CENTRAL MAINE POWER

August 13, 2018

Mr. James R. Beyer
Maine Department of Environmental Protection
Division of Land Resources Regulation
106 Hogan Road
Bangor, ME 04401

Mr. Bill Hinkel
Land Use Planning Commission
Department of Agriculture, Conservation and Forestry
18 Elkins Lane
Augusta, Maine 04330

Mr. Jay Clement
U.S. Army Corps of Engineers
Maine Project Office
442 Civic Center Drive, Suite 350
Augusta, Maine 04330

RE: New England Clean Energy Connect Project
Update to NRPA and Site Law Applications

Dear Mr. Beyer, Mr. Hinkel, and Mr. Clement:

In response to a number of agency data requests, CMP committed to providing additional updates and supplemental materials to the Site Location of Development Act (Site Law) and Natural Resources Protection Act (NRPA) permit applications for the New England Clean Energy Connect (NECEC) Project. In addition, CMP is providing updates to its applications associated with cultural resource identification, the Project design, Project impacts, and compensation. CMP has summarized these items below.

SUPPLEMENTAL MATERIALS ASSOCIATED WITH AGENCY DATA REQUESTS

1. In response to Maine Department of Environmental Protection's (MDEP) November 20, 2017 Environmental Information Request Question 1, CMP conducted an engineering feasibility and natural resource impact analysis and comparison of north vs south alignment within the new corridor. This analysis was provided to MDEP and USACE on May 4, 2018. The comparison concluded that the southern alignment has fewer natural resource impacts and is therefore the preferred and proposed alignment.

2. As a follow-up to CMP's response to MDEP's November 20, 2017 Environmental Information Request Questions 5 & 6, photosimulations of the transmission line crossings over the Carrabassett River, Sandy River, and West Branch of the Sheepscot River were provided to the MDEP on June 29, 2018.

3. Since the submittal of CMP's response to MDEP's December 12, 2017 Environmental Information Request Question 3 and 4, CMP has made minor modifications to the transmission line design primarily consisting of changes to structure locations. In addition, CMP committed to applying a 100 foot buffer on all perennial streams on Segment 1, all Outstanding River Segments, and all waterbodies containing threatened and endangered species within or immediately adjacent to the Project area. The 25-foot buffer on all other streams remains. Proposed structures that are currently located within the applicable 25 foot and 100 foot setbacks are provided below:

Structures located within 25' Stream Buffers

Section-Structure Number	Stream ID	Designation	Setback Distance (ft)	Location	Natural Resource Map No.
62-67	PSTR-158-03	Perennial	25	Durham	351
62-68	PSTR-158-04	Perennial	18	Durham	352
68-191	ISTR-184-08	Intermittent	24	Wiscasset	369
392-91	PSTR-177-01	Perennial	19	Alna	383
3006-8	ISTR-143-01	Perennial	24	Greene	318
3006-77	ISTR-131-01	Intermittent	16	Leeds	289
3006-201	ISTR-108-05	Intermittent	22	Farmington	239
3006-421	ISTR-66-10	Intermittent	6	Moscow	149
3006-541	ISTR-50-02	Intermittent	21	Moxie Gore	113
3006-804	ISTR-02-15	Intermittent	20	Beattie Twp	6
3007-08	PSTR-145-01	Perennial	8	Lewiston	322

Structures Located within 100' Stream Buffers

Section-Structure Number	Stream Id	Designation	Setback Distance	Location	Natural Resource Map No.
68-3	PSTR 163-02	Outstanding River Segment	75	Windsor	415
68-4	PSTR 163-02	Outstanding River Segment	80	Windsor	415
392-216	PSTR 163-02	Outstanding River Segment	96	Windsor	415
3006-296	PSTR-90-02	Outstanding River Segment/T&E	34	Anson	199
3006-536	ISTR-51-14	T&E	59	Moxie Gore	115
3006-648	PSTR-31-06	Perennial Stream (Segment 1)	96	Johnson Mountain Twp	71
3006-667	PSTR-SRD1-28-01	Perennial Stream (Segment 1)	98	Bradstreet Twp	63
3006-732	PSTR 16-01	Perennial Stream (Segment 1)	100	Appleton Twp	37
3027-9	PSTR 163-02	Outstanding River Segment	51	Windsor	415
3027-10	PSTR 163-02	Outstanding River Segment	62	Windsor	415
3027-11	PSTR 163-02	Outstanding River Segment	76	Windsor	415

Refinement of these structure locations will be conducted during detailed engineering design. If possible, these structures will be relocated along the current centerline to achieve the minimum setback. If the engineering cannot conform to the target setback for certain specific structures, a site-specific erosion and sedimentation control plan will be provided to the agencies for review and approval prior to construction. An updated Waterbody Crossing Table (Exhibit 7-7), accounting for the current level of project design and including only those resources located within the NECEC project right-of-way is provided in Attachment A.

4. As a follow-up to CMP's response to MDEP's December 12, 2017 Environmental Information Request Question 10, please find the revised Inland Wading Bird and Waterfowl Habitat (IWWH) table (Exhibit 7-3), which includes the cumulative amount of total acreage to be cleared in IWWH, in Attachment A.

   The table summarizing Deer Wintering Areas (DWA) (Exhibit 7-2) has been revised and is also included in Attachment A to reflect minor project design modifications.

5. As a follow-up to CMP's response to MDEP's December 12, 2017 Environmental Information Request Question 11, CMP provided an updated Exhibit 7-5 Significant Vernal Pool Table as part of the July 13, 2018response to Maine Inland Fisheries and Wildlife (MDIFW) March 15 comments. Exhibit 7-5 includes the cumulative impacts of clearing in Significant Vernal Pools (SVPs) as requested in Question 11, as well as the additional details requested in MDIFW's March 15 comments. This Exhibit updates the pool statuses where MDIFW's official determination differed from CMP's consultant's pre-application assessment. The response to MDIFW includes a replacement for Exhibit 7-5, as well as Exhibit 7-6 Non-Significant Federal Jurisdictional Pools. As discussed above, both exhibits have since been revised to account for minor modifications to the project design and are included in Attachment A.

6. As a follow-up to CMP's response to MDEP's December 12, 2017 Environmental Information Request Question 13, CMP committed to revising the restrictions associated with IWWH in the project Plan for Protection of Sensitive Natural Resources During Initial Vegetation Clearing (VCP). Subsequently, CMP agreed to modify the language in both the VCP and the Post-Construction Vegetation Maintenance Plan (VMP) to require 100-foot riparian buffers on all perennial streams on Segment 1, all Outstanding River Segments, and all waterbodies containing threatened and/or endangered species within or immediately adjacent to the project area. Both the VCP (Exhibit 10-1) and VMP (Exhibit 10-2) including the required revisions are provided in Attachment B.

7. As a follow-up to CMP's response to MDEP's December 12, 2017 Environmental Information Request Question 16, the revised Environmental Guidelines were provided to MDEP on June 29, as part of CMP's response to MDEP's January 2018 Technical Review Memorandum incorporating Mr. Kerem Gungor's stormwater review comments. The revised Environmental Guidelines incorporated the corrected language regarding soil compaction.

8. In response to MDEP's Natural Resource Map questions and revision requests, updated natural resource maps (Attachment 2 of the Site Law application) reflecting minor modifications to the project design are included in Attachment C. The revised natural resource maps include the renumbering of transmission line structures and recent minor modifications to the project design, including changes to some structure and access road locations, and incorporates the SVP determinations provided by the MDIFW.

   Access road locations identified on the natural resource maps minimize impacts to the extent practicable. The access road design avoids and minimizes natural resource impacts to the extent practicable and for safety reasons avoids traveling under existing transmission lines to the maximum extent possible.

9. CMP has also re-evaluated its responses to data requests submitted to the LUPC and is providing revisions to previously provided responses associated with structures in P-WL subdistricts and the dimensional standards contained within §10.26 of the Commission's Rules.

   Continued refinement of the NECEC project design has resulted in only two (2) structures, as opposed to the three previously reported, now being located within a P-WL subdistrict as provided in the table below.

Structure Number	**LUPC Subdistrict**	**Location**	**Natural Resource Map Number**
3006-541	P-WL3	Moxie Gore	113
3006-548	P-WL3	Moxie Gore	110

   As provided to the LUPC previously, no proposed structures are located within the 30-foot setback in D-RS and D-GN subdistricts and no structures are proposed to be located within 20 feet of a roadway. The applicable setback from the traveled portion of the nearest roadway as defined in §10.26, D, 2 for areas other than D-RS and D-GN subdistricts is 75 feet. All structures, including those identified as being within the 75-foot setback in CMP's March 29, 2018 response to the LUPC February 26, 2018 data request, are now located outside of the minimum setback. All project infrastructure within LUPC jurisdiction remains 75 feet from all side and rear property lines.

   CMP is also providing an update to data previously provided to the LUPC on October 2, 2017, regarding the setbacks defined by §10.26, D, 2(a)(b).

   135 transmission line structures, as opposed to the 150 previously reported, will be located within the setback as defined by §10.26, D(2)(a) due to the nature of the project and the constraints described above. Structure numbers and the setback distances are provided in the table below. Setbacks identified as 0 in the table are located within wetland or P-WL1 areas.

Structures within the setback as defined by §10.26, D(2)(a).

Structure	Setback (ft)	Structure	Setback (ft)	Structure	Setback (ft)	Structure	Setback (ft)
3006-345	72	3006-494	64	3006-597	5	3006-696	0
3006-347	50	3006-496	78	3006-598	0	3006-700	61
3006-351	23	3006-497	13	3006-603	97	3006-705	97
3006-354	31	3006-510	8	3006-605	86	3006-721	41
3006-358	64	3006-514	50	3006-612	51	3006-722	33
3006-359	47	3006-519	100	3006-615	98	3006-723	86
3006-360	88	3006-520	95	3006-622	88	3006-726	37
3006-367	97	3006-522	0	3006-623	96	3006-728	43
3006-433	40	3006-524	18	3006-625	69	3006-748	3
3006-434	81	3006-525	0	3006-626	84	3006-752	54
3006-435	71	3006-526	0	3006-627	78	3006-757	92
3006-436	37	3006-527	0	3006-630	75	3006-759	89
3006-437	0	3006-528	3	3006-633	57	3006-760	40
3006-438	92	3006-529	45	3006-638	97	3006-761	95
3006-439	78	3006-530	18	3006-641	67	3006-765	3
3006-441	11	3006-531	97	3006-649	85	3006-770	0
3006-442	93	3006-533	65	3006-650	100	3006-771	35
3006-444	58	3006-536	0	3006-652	20	3006-780	22
3006-446	75	3006-538	85	3006-655	98	3006-781	56
3006-447	0	3006-541	4	3006-657	0	3006-788	49
3006-448	84	3006-544	0	3006-658	74	3006-791	0
3006-449	18	3006-548	0	3006-660	65	3006-792	89
3006-450	38	3006-556	98	3006-661	72	3006-793	56
3006-451	27	3006-558	71	3006-666	46	3006-801	52
3006-453	38	3006-560	97	3006-667	32	3006-804	0
3006-457	89	3006-567	74	3006-668	0	3006-588	71
3006-463	6	3006-574	35	3006-669	88	3006-613	91
3006-470	84	3006-575	92	3006-675	39	3006-642	78
3006-482	48	3006-578	39	3006-677	85	3006-644	37
3006-483	24	3006-586	24	3006-678	65	3006-648	45
3006-484	22	3006-589	81	3006-680	51	3006-732	94
3006-485	24	3006-591	44	3006-685	49	3006-776	88
3006-492	91	3006-592	46	3006-686	90	3006-456	89
3006-493	47	3006-594	79	3006-695	100		

Only one (1) transmission structure, Structure 3006-378, will be located within the setback as defined by §10.26, D(2)(b).

As stated previously in correspondence with the LUPC, CMP is requesting an exception to the minimum setback for the structures identified in this letter in accordance with §10.26, G, 5, which provides that an exception may be made to a setback requirement if the structure must be located closer due to the nature of its use.

10. CMP held a teleconference call with Marybeth Richardson, MDEP, on October 4, 2017, shortly after the NRPA and Site Law applications were filed. Ms. Richardson requested that the Site Law Chapter 5 Noise, address the exemption of daytime noise. She explained that the statutory exemption supersedes the MDEP rule and the discussion of daytime noise should reference 38 M.R.S. § 484 Standards for Development. Please find revised Section 5.2.2 of the Site Law application in Attachment D.

11. In the October 4, 2017 teleconference, Ms. Richardson noted that Site Law Exhibit 3-1 NECEC Schedule contained a typo with respect to the Larrabee Road Substation construction start date. This typo has been corrected and the schedule has been updated to reflect the schedule as of the date of this letter. Please find the revised Exhibit 3-1 in Attachment E.

ADDITIONAL SUPPLEMENTAL MATERIALS

ARCHITECTURAL HISTORY AND MANAGEMENT SUMMARY REPORTS

SEARCH's enclosed management summary describes the results of the Phase I archaeological survey within the direct area of potential effect (APE) for the Project. This document summarizes the three stages of archaeological study performed to-date and identifies 46 new archaeological resources in the Project APE and 10 previously identified archaeological resources. These results complete the identification of archaeological resources for the Project. One previously identified archaeological site has been determined eligible for listing on the National Register of Historic Places (NRHP) and avoidance is recommended. Four previously identified sites have been determined not NRHP eligible and five previously identified sites were determined to be located outside of the Project's direct APE. No project actions are recommended for these sites. Twenty-one newly identified resources will not be impacted by the Project or are recommended not eligible for NRHP listing. For the remaining 25 sites resources avoidance is recommended.

SEARCH's enclosed Above Ground Historic Resources Identification Survey Report provides reconnaissance survey results and NRHP recommendations for all above ground historic resources within the direct and indirect APEs for the Project. A total of 1,488 unique resources were identified. Within this group, 24 are listed on and 103 have been determined eligible for the NRHP. Of the remaining resources, 1,175 have been determined or are recommended not NRHP eligible and 186 are recommended potentially eligible for NRHP listing. These results complete the identification of above ground historic resources for the Project.

The Architectural History and Management Summary Reports are included as Attachment F and Attachment G, respectively.

RAVEN FARM SUBSTATION DESIGN

The noise analysis for the Raven Farm Substation was completed and submitted with the original Site Law application in September 2017. For the noise analysis, the substation transformer was designed to meet the Maine DEP noise limits at the property line. Installing a transformer rated at 82 dBA at 3 feet (as provided in Table 5-22) would allow the substation to meet those sound level limits.

In May of 2017, additional noise modeling was conducted to determine if noise mitigation could reasonably help reduce sound levels offsite. The Raven Farm Substation Sound Study Report, completed by Burns & McDonnell, was submitted to the Maine DEP on May 18, 2018. Its contents were incorporated into CMP's pending NECEC Site Law application.

Multiple mitigation options were analyzed and proposed as a part of this study to go above and beyond the sound level limits required by the Maine DEP. The mitigation options included the use of a quieter transformer and/or structures around the equipment constructed of sound absorptive panels. The options were analyzed for effectiveness both individually and in combination to provide multiple levels of mitigation and mitigation options. The selection of which mitigation option would be installed was not provided in the document, only that one of the options analyzed would be chosen.

In July 2018, through meetings with the Town of Cumberland, Mitigation Option 3 was selected to be implemented at the substation. Mitigation Option 3 consists of a transformer rated at 65 dBA at 6 feet and a sound wall installed on all four sides of the transformer.

Figures 5.6.2 and 5.6.3 of the Site Law application should be replaced with the revised figures and Table 5-21 provided below.

Table 5-21: Modeled Operational Sound Levels

Modeled Receptor	Modeled Sound Level (dBA)	Sound Level Requirement[a] (dBA)
PL1 – Property Line	26.1	50
PL2 – Property Line	27.6	50
PL3 – Property Line	20.4	50

(a) Modeled sound level is the substation sound level with an expected 5 dBA tonal penalty added

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Property Line Receptor

Property Line

Sound Wall

NORTH

500 250 0 500

Scale in Feet

BURNS McDONNELL

Figure 5.6.2
(Revised)
CMP NECEC
Raven Farm Substation
Modeling Layout

Source: ESRI, Burns & McDonnell Engineering Company, Inc.

Issued: 8/9/2018

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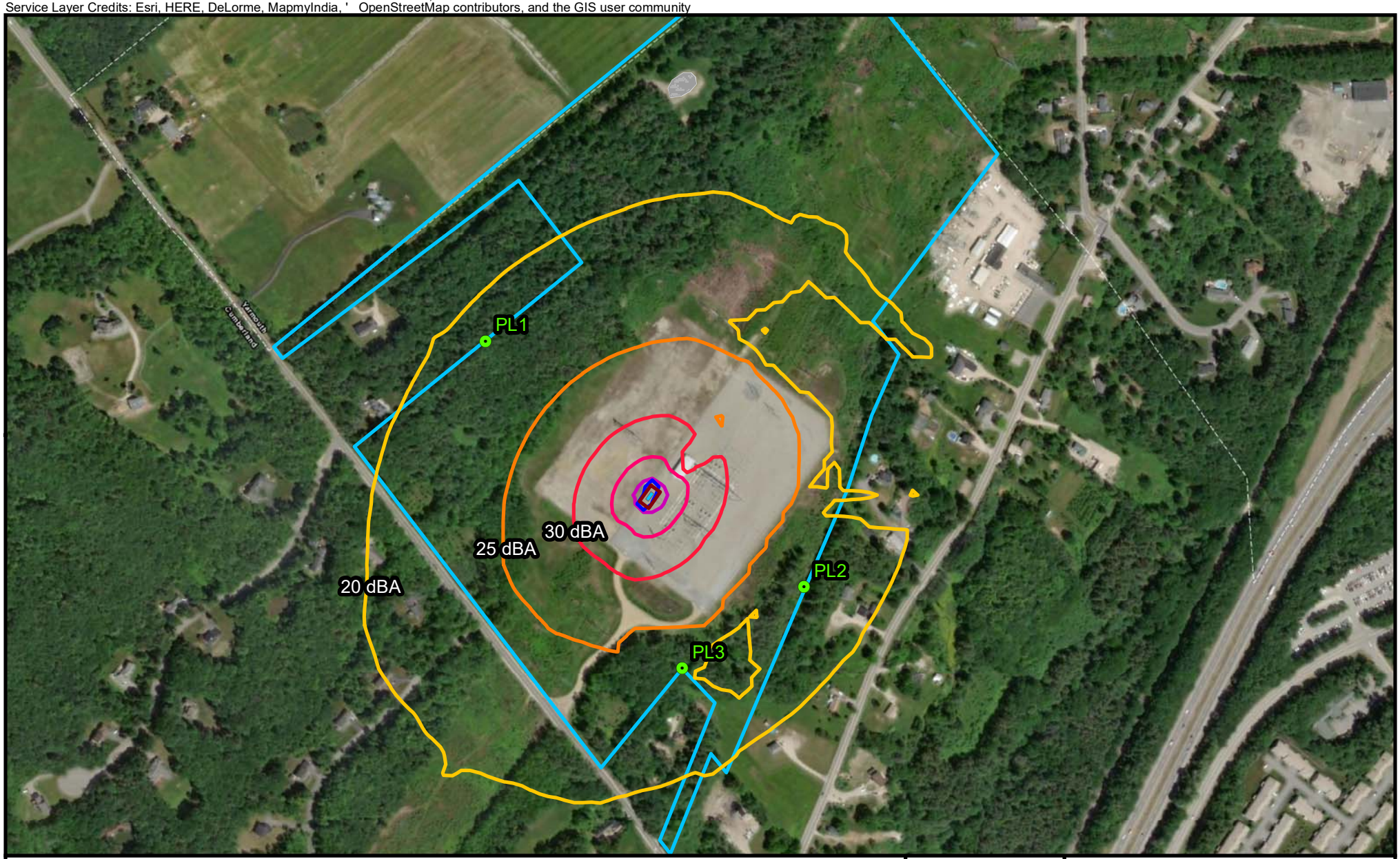

20 dBA
25 dBA
30 dBA
35 dBA
40 dBA
45 dBA
Property Line
Sound Wall

Modeled Future
Substation Sound Levels
(Without Tonal Penalty)
PL1 - 21.1 dBA
PL2 - 22.6 dBA
PL3 - 20.4 dBA

NORTH

500 250 0 500
Scale in Feet

BURNS McDONNELL

Figure 5.6.3
(Revised)
CMP NECEC
Raven Farm Substation
Sound Level Contours

Source: ESRI, Burns & McDonnell Engineering Company, Inc.

Issued: 8/9/2018

MERRILL ROAD HVDC CONVERTER STATION DESIGN

Subsequent to the original site development drawings submittal, the access road has been changed to enter the site from Maine Street (US Route 202), reducing the length of the access road by approximately 750 feet. In addition, based on comments made by DEP during a site walk at the proposed converter station site, an alternative rock cut slope profile was examined for the slope around the east side of the proposed station.

Basic Standards

Erosion controls were added including rock check dams in the ditches and dual silt fence within and near the wetland crossing. All other aspects of the project's compliance with the Basic Standards remain the same as originally submitted, or as modified in the response to comments submitted on June 29, 2018.

General Standards

For the proposed revised access road alignment, the only area where stormwater runoff can be collected and treated is within the wetland itself, therefore the originally proposed underdrained soil filter is replaced with gravel wetlands at either side of the wetland crossing. In addition, collection of stormwater runoff from the length of road within the wetland is not practical as this represents the low point. The roadway in this area has been designed with a permeable base, in order to provide for passage of flows and for this section of roadway to be exempt from the General Standards per Chapter 500, Section 4.C.(5).(e). All other aspects of the Project's compliance with the General Standards remain the same as originally submitted, or as modified in the response to comments submitted on June 29th, 2018.

Flooding Standard

The stormwater modeling calculations were revised to reflect the new access road route. In addition, the calculations were run to determine if the steeper rock slope around the east side of the proposed yard would impact compliance with the Flooding Standard.

The modeling indicated that the originally proposed seeded 3:1 slopes represented the more conservative assumption, so that is what is presented for permitting. The steeper rock slope is presented as an alternative, depending on the strength of the rock encountered during construction or as required to optimize the balance of cut and fill materials. The Project will still meet the Flooding Standard.

A revised Stormwater Management Plan reflecting the changes described above is provided in Attachment H.

FICKETT ROAD SUBSTATION

An engineer's stamp has been added to the stormwater management plans developed for the Fickett Road Substation. These plans are included in Attachment I.

VISUAL IMPACT ASSESSMENT - LANDSCAPE PLANTING PLANS

CMP has concluded through the completion of the Visual Impact Assessment, that additional visual mitigation in the form of landscape buffer plantings is being proposed in the following locations: Troutdale Road at the Appalachian Trail Crossing adjacent to Joe's Hole on Moxie Pond in Bald Mountain Township and in The Forks Plantation, along Moxie Stream in Moxie

Gore, and on Fickett Road in Pownal. Landscape Buffer planting plans for each of these locations are provided in Attachment J.

COMPENSATION PLAN

The Compensation Plan (Plan) for the Project is included in Attachment K. The Plan describes and quantifies impacts to jurisdictional natural resources, as well as in-lieu fee (ILF) calculations, and proposes 6 mitigation parcels, 3 of which are proposed for preservation to partially offset unavoidable natural resource impacts, and 3 of which will be placed into conservation to provide compensation for recreational impacts to Outstanding River Segments and to protect and preserve coldwater fishery habitat.

CMP has also included a number of habitat enhancement measures in the Plan to improve habitat for coldwater fisheries, species of concern, and DWA.

If you have any questions regarding this submittal, please call or email me (207-629-9717; gerry.mirabile@cmpco.com).

Sincerely,

Gerry J. Mirabile
Manager – Environmental Projects
Environmental Permitting
AVANGRID Networks, Inc.

Enclosures

cc: Samantha Horn, LUPC; Naomi Kirk-Lawlor, LUPC; Christopher Lawrence, USDOE; Melissa Pauley, USDOE; Bernardo Escudero, CMP; Mark Goodwin, Burns & McDonnell; Matt Manahan, Pierce Atwood; Jared des Rosiers, Pierce Atwood

File: New England Clean Energy Connect

Due to file size, attachments referenced below are provided electronically and in hard copy form (under separate cover)

Attachment A
Updated Natural Resource Tables

Exhibit 7-2
Exhibit 7-3
Exhibit 7-5
Exhibit 7-6
Exhibit 7-7

Attachment B

Revised Site Law Exhibit 10-1 NECEC Plan for Protection of Sensitive Natural Resources During Initial Vegetation Clearing (VCP)

Revised Site Law Exhibit 10-2 NECEC Post-Construction Vegetation Maintenance Plan (VMP)

Attachment C
Revised Natural Resource Maps (Site Law Application -Attachment 2)

Attachment D
Revised Site Law Section 5.2.2 MDEP Noise Standards

Attachment E
Revised Site Law Exhibit 3-1- NECEC Schedule

Attachment F
SEARCH, Inc. Architectural History Report

Attachment G
SEARCH, Inc. Archeological Management Summary

Attachment H
Revised Merrill Road Converter Station Stormwater Management Plan

Attachment I
Revised Fickett Road Substation Stormwater Management Drawings

Attachment J
Visual Impact -Landscape Planting Plans

Attachment K
Compensation Plan

Attachment A
Updated Natural Resource Tables

Exhibit 7-2
Exhibit 7-3
Exhibit 7-5
Exhibit 7-6
Exhibit 7-7

Exhibit 7-2: DWA's Intersected by the NECEC Project Area

Segments	CMP Line Section	Town	MDIFW ID	Value/Status	Total DWA Acreage	Acreage in the NECEC Corridor	Acreage of Habitat Conversion in DWA	Associated Wetland(s)	Map ID
2	3006	Moscow	060134	Indeterminate	147.5	12.3	2.9	WET-74-102, WET-74-103	163, 164, 165
3	3006	Embden	060143	Indeterminate	275.8	56.4	7.5	WET-82-04, WET-82-04, WET-82-01, WET-82-02, WET-82-03, WET-82-10, WET-82-10, WET-82-07, WET-82-06, WET-82-08, WET-82-09, WET-83-21, WET-83-22, WET-82-05, WET-82-08	180, 181, 182, 183
3	3006	Starks (E)	060068	Indeterminate	971.5	25.7	5.9	WET-96-05, WET-96-07, WET-96-09, WET-96-10, WET-97-01, WET-97-02, WET-97-03	213, 214, 215
3	3006	Starks (W)	060068	Indeterminate	799.2	23.6	4	WET-99-05, WET-99-04, WET-99-02, WET-99-01, WET-100-01	219, 220, 221

Exhibit 7-2: DWA's Intersected by the NECEC Project Area

Segments	CMP Line Section	Town	MDIFW ID	Value/Status	Total DWA Acreage	Acreage in the NECEC Corridor	Acreage of Habitat Conversion in DWA	Associated Wetland(s)	Map ID
3	3006	Industry	060058	Indeterminate	480.0	26.7	4.7	WET-103-11, WET-104-01, WET-104-02, WET-104-03, WET-104-05, WET-104-01	229, 230, 231
3	3006	Industry	020521	Indeterminate	325.3	0.1	0		281, 282, 283, 284, 285
3	3006	Leeds	020002	Indeterminate	325.4	8.6	2.9	WET-133-02, WET-133-03, WET-133-04, WET-133-05	294, 295
3	3006	Leeds	020984	Indeterminate	322.7	30.1	5.6	WET-135-05, WET-135-05, WET-135-07, WET-135-06, WET-135-08, WET-135-09, WET-135-06, WET-135-07, WET-135-07, WET-136-01	299, 300, 301

Exhibit 7-2: DWA's Intersected by the NECEC Project Area

Segments	CMP Line Section	Town	MDIFW ID	Value/Status	Total DWA Acreage	Acreage in the NECEC Corridor	Acreage of Habitat Conversion in DWA	Associated Wetland(s)	Map ID
3	3006	Leeds	020983	Indeterminate	657.2	41.1	7.2	WET-136-07, WET-136-08, WET-136-10, WET-136-09, WET-136-11, WET-136-11, WET-136-11, WET-136-09, WET-136-09, WET-137-01, WET-137-03, WET-137-04, WET-137-02, WET-137-07, WET-137-05, WET-137-10, WET-137-10, WET-137-05, WET-137-06, WET-137-06, WET-137-02	302, 303, 304
4	62/64	Lewiston	000255	Indeterminate	11.7	5.1	0	WET-150-11	333, 334
4	62/64	Lewiston	000247	Indeterminate	66.9	4.0	0	WET-151-09, WET-152-01, WET-152-01	336, 337
4	62/64	Durham	000101	Indeterminate	50.4	4.8	0	WET-156-09, WET-156-07, WET-156-08	346, 347
4	62/64	Durham	000094	Indeterminate	196.7	1.2	0	WET-158-03	350, 351

Exhibit 7-2: DWA's Intersected by the NECEC Project Area

Segments	CMP Line Section	Town	MDIFW ID	Value/Status	Total DWA Acreage	Acreage in the NECEC Corridor	Acreage of Habitat Conversion in DWA	Associated Wetland(s)	Map ID
5	3027	Windsor	020865	Indeterminate	212.3	16.5	0	WET-165-03, WET-165-03, WET-165-02, WET-165-01	409, 410, 411, 412
5	3027	Whitefield	020080	Indeterminate	345.1	31.2	0	WET-168-05, WET-168-05, WET-169-01, WET-169-01, WET-169-02, WET-169-02	401, 402, 403, 404
5	3027	Alna (N)	020050	Indeterminate	1,395.3	102.8	0	WET-178-06, WET-178-06, WET-179-03, WET-179-03, WET-179-02, WET-179-01, WET-180-02, WET-180-01, WET-180-03, WET-180-04	375, 376, 377, 378, 379, 380, 381, 382
5	3027	Alna (S)	020050	Indeterminate	523.3	11.1	0	WET-181-01, WET-181-03, WET-181-02	375, 376
5	3027	Wiscasset	020176	Indeterminate	235.2	27.0	0	WET-183-06, WET-183-06, WET-183-05, WET-183-04, WET-183-03	370, 371, 372
5	3027	Wiscasset (N)	020626	Indeterminate	55.0	2.3	1.9	WET-184-07, WET-184-07	365, 366, 367, 368

Exhibit 7-2: DWA's Intersected by the NECEC Project Area

Segments	CMP Line Section	Town	MDIFW ID	Value/Status	Total DWA Acreage	Acreage in the NECEC Corridor	Acreage of Habitat Conversion in DWA	Associated Wetland(s)	Map ID
5	3027	Woolwich	020626	Indeterminate	37.4	2.0	1.7	WET-184-07, WET-184-07	365, 366, 367, 368
5	3027	Wiscasset	020583	Indeterminate	163.8	23.8	0	WET-187-01, WET-187-02, WET-187-02, WET-187-09, WET-187-04, WET-187-04	362, 363
				Total (acres)	**7,597.8**	**456.6**	**44.3**		

Exhibit 7-3: IWWH's Intersected by the NECEC Project Area

Segment	CMP Line Section	Town	MDIFW ID	Value/ Status	Total IWWH Acreage	Acreage in the NECEC Corridor	Acreage of Habitat Conversion in IWWH	Associated Wetland(s)	Map ID
1	3006	T5 R7 BKP WKR	UMO-6578	Moderate	63.4	0.3	0	WET-20-05, WET-20-5-RR2, WET-20-05, WET-20-5-RR2	46
1	3006	T5 R7 BKP WKR	UMO-6585	Moderate	25.9	2.4	0.6	WET-21-11, WET-21-09, WET-21-12, WET-21-09	47, 48
1	3006	T5 R7 BKP WKR / Bradstreet Twp / Attean Twp	UMO-7060	Moderate	3023.2	7.0	1.9	WET-24-10, WET-24-10, WET-24-10, WET-24-10	54, 55, 56
1	3006	Bradstreet Twp	UMO-7358	Moderate	49.5	1.3	0	WET-SR-EXT-30-05	68, 69
1	3006	Bradstreet Twp	UMO-7541	Moderate	111.9	6.7	3.3	WET-26-01, WET-26-02, WET-26-08, WET-26-08, WET-26-01, WET-26-02, WET-26-02	58, 59
1	3006	Bradstreet Twp / Upper Enchanted Twp	UMO-7591	Moderate	55.0	5.9	3.1	WET-25-02, WET-25-03, WET-25-02, WET-25-03	58
2	3006	Bald Mountain Twp T2R3	UMO-9415	Moderate	143.4	10.7	1.7	WET-63-07, WET-64-03, WET-64-05, WET-64-04	141, 142, 143

Exhibit 7-3: IWWH's Intersected by the NECEC Project Area

Segment	CMP Line Section	Town	MDIFW ID	Value/ Status	Total IWWH Acreage	Acreage in the NECEC Corridor	Acreage of Habitat Conversion in IWWH	Associated Wetland(s)	Map ID
2	3006	Bald Mountain Twp T2R3	UMO-11612	High	121.6	2.9	0	WET-79-03	176, 177
3	3006	Embden	Iwwh070754	Moderate	66.8	10.0	1.3	WET-85-01, WET-85-03	187, 188
3	3006	Jay	Iwwh070612	High	65.3	6.3	1.7	WET-118-03	261, 262
3	3006	Starks	Iwwh070546	Moderate	72.4	1.8	0.5	WET-97-07	216
3	3006	Starks	Iwwh201128	Moderate	83.1	6.8	0.9	WET-97-01, WET-97-02	214, 215
3	3006	Starks	Iwwh070536	Moderate	62.3	0.5	0	WET-100-04, WET-100-05	220, 221, 222
3	3006	Industry	Iwwh070294	Moderate	107.8	10.5	1.1	WET-101-04, WET-102-03	224, 225, 226
3	3007	Lewiston	Iwwh202389	Moderate	22.6	11.1	0.5	WET-145-06, WET-145-05, WET-145-05	321, 322
3	3006	Greene	Iwwh202778	Moderate	30.5	6.1	1.1	WET-140-06	310
5	3027	Whitefield	Iwwh204792	Moderate	34.0	12.0	0	WET-167-01, WET-167-01	406, 407
5	3027	Wiscasset	TWWH ID 0	Not reported	302	0.2	0	WET-188-17, WET-188-17	359
				Total (acres)	**4440.6**	**102.5**	**17.7**		

Exhibit 7-5 NECEC Significant Vernal Pool Habitat Impact Summary

Transmission Line Impacts

Pool Determination Status[1]	Pool ID	Segment #	NR Map #	Pool Size (sq ft)	Buffer Size Within CMP-Controlled Property (sq ft)	Existing Impacts within 250 ft Buffer (sq ft)	Impacts to Pool		Impacts to Upland Areas within 250 ft			Impacts to Wetlands within 250' Buffer			Permanent SVPH Impacts[2]			Facility/Activity Type Impacting
							Pool Direct Impacts (sq ft)	Pool Clearing Impacts (sq ft)	Direct Impacts (sq ft)	Temp Impacts (sq ft)	Clearing Impacts (sq ft)	Direct Impacts (sq ft)	Temporary Impacts (sq ft)	Clearing Impacts (sq ft)	% Existing Impacts to SVPH	% Additional Impacts to SVPH	% Total Impacts to SVPH	
SVP (IFW)	11-1 [3]	1	27	24	0	0	0	0	0	0	0	0	0	0	0%	0%	0%	None
SVP (IFW)	101-02	3	225	309	121,707	11,347	0	0	0	1,570	24,998	0	0	2,209	9%	22%	32%	Work Pad
SVP (IFW)	101-03	3	225	22,982	233,505	68,971	0	7,253	40	16,445	36,563	0	990	2,209	30%	20%	49%	Access Road, Pole, Work Pad
SVP (IFW)	102-02	3	226	649	156,235	78,767	0	0	40	11,480	20,291	0	3,069	12,525	50%	21%	71%	Access Road, Pole, Work Pad
SVP (IFW)	102-03	3	226	4,370	154,626	83,021	0	0	0	6,707	16,686	0	3,423	11,564	54%	18%	72%	Access Road, Work Pad
SVP (IFW)	104-02	3	230	4,173	195,000	56,971	0	0	40	14,886	40,263	0	47	3,916	29%	23%	52%	Access Road, Pole, Work Pad
PSVP (IFW)	111-03	3	245, 246	2,381	196,738	55,087	0	0	40	7,447	37,845	0	0	0	28%	19%	47%	Access Road, Pole, Work Pad
SVP (IFW)	111-04	3	246	3,388	189,343	59,309	0	0	40	12,284	35,958	0	0	0	31%	19%	50%	Access Road, Pole, Work Pad
SVP (IFW)	116-04	3	257	15,369	270,388	96,558	0	11,216	0	8,004	41,485	0	5,997	1,879	36%	20%	56%	Access Road
PSVP (IFW)	117-02	3	258	10,517	191,490	0	0	0	0	0	502	0	12,381	51,331	0%	27%	27%	Access Road, Work Pad
SVP (IFW)	118-02	3	261	1,791	146,960	77,676	0	0	0	9,161	25,473	0	0	0	53%	17%	70%	Access Road
SVP (IFW)	118-03	3	262	2,072	146,951	36,863	0	0	0	8,884	39,164	0	0	0	25%	27%	52%	Access Road
PSVP (IFW)	119-02	3	264	1,459	141,640	78,993	0	0	0	5,162	11,214	0	0	0	56%	8%	64%	Access Road
SVP (IFW)	119-03	3	264	1,803	168,802	63,314	0	1	0	10,516	37,758	0	705	4,890	38%	25%	63%	Access Road
SVP (IFW)	125-01	3	276	2,038	192,210	121,080	0	0	0	11,393	37,197	0	0	0	63%	19%	82%	Access Road
SVP (IFW)	130-08	3	288	18,626	266,995	128,299	0	12,466	40	9,889	30,372	0	9,023	13,768	48%	21%	69%	Access Road, Pole, Work Pad
SVP (IFW)	135-03	3	298, 299	13,353	214,629	108,922	0	3,918	160	14,064	36,408	0	1,304	734	51%	19%	70%	Access Road, Pole, Work Pad
SVP (IFW)	135-05	3	299	1,519	189,881	70,359	0	1,519	0	1,837	21,066	40	7,966	19,648	37%	22%	59%	Access Road, Pole, Work Pad
SVP (IFW)	136-01	3	301	35,243	278,177	110,148	0	7,216	0	16,870	41,148	0	179	15,865	40%	23%	63%	Access Road, Work Pad
SVP (IFW)	136-02	3	301, 302	3,957	218,616	115,951	0	0	0	12,152	39,883	0	45	3,250	53%	20%	73%	Access Road, Work Pad
SVP (IFW)	136-04	3	302	4,345	154,445	120,445	0	0	0	8,499	19,905	0	1,521	3,481	78%	15%	93%	Access Road, Work Pad
SVP (IFW)	137-06	3	304	1,554	140,683	45,184	0	0	40	13,039	36,245	0	0	1,254	32%	27%	59%	Access Road, Pole, Work Pad
PSVP (ID)	140-02	3	309, 310	1,026	181,139	82,946	0	1,026	0	9,724	34,957	0	628	4,834	46%	23%	68%	Access Road
SVP (IFW)	140-04	3	311	16,947	229,951	108,917	0	3,977	40	15,033	38,881	0	2,067	6,021	47%	21%	69%	Access Road, Pole, Work Pad
SVP (IFW)	143-03	3	317	1,657	177,699	79,971	0	500	0	10,058	31,186	0	898	9,739	45%	23%	68%	Access Road
PSVP (ID)	144-02	3	320	28	170,194	108,188	0	0	40	13,741	33,138	0	0	36	64%	20%	83%	Access Road, Pole, Work Pad

Exhibit 7-5 NECEC Significant Vernal Pool Habitat Impact Summary

Transmission Line Impacts

Pool Determination Status[1]	Pool ID	Segment #	NR Map #	Pool Size (sq ft)	Buffer Size Within CMP-Controlled Property (sq ft)	Existing Impacts within 250 ft Buffer (sq ft)	Impacts to Pool		Impacts to Upland Areas within 250 ft			Impacts to Wetlands within 250' Buffer			Permanent SVPH Impacts[2]			Facility/Activity Type Impacting
							Pool Direct Impacts (sq ft)	Pool Clearing Impacts (sq ft)	Direct Impacts (sq ft)	Temp Impacts (sq ft)	Clearing Impacts (sq ft)	Direct Impacts (sq ft)	Temporary Impacts (sq ft)	Clearing Impacts (sq ft)	% Existing Impacts to SVPH	% Additional Impacts to SVPH	% Total Impacts to SVPH	
SVP (ID)	147-08	4	326	3,363	179,528	169,564	0	0	60	17,641	0	0	0	0	94%	0%	94%	Access Road, Pole, Work Pad
SVP (ID)	148-06	4	328	7,831	193,560	157,852	0	0	60	22,209	0	0	0	0	82%	0%	82%	Access Road, Pole, Work Pad
SVP (IFW)	15-1 [3]	1	35	676	90,543	0	0	0	0	9,182	70,203	0	0	0	0%	78%	78%	Access Road
PSVP (ID)	158-01	4	349, 350	7,414	235,544	229,484	0	0	60	19,778	0	0	4,976	0	97%	0%	97%	Access Road, Pole, Work Pad
SVP (IFW)	161-11	4	356	403	162,882	162,393	0	0	60	20,756	0	0	0	0	100%	0%	100%	Access Road, Pole, Work Pad
SVP (ID)	161-12	4	356, 357	28	134,136	133,608	0	0	0	5,799	0	0	0	0	100%	0%	100%	Access Road, Work Pad
SVP (IFW)	162-01	5	N/A	6,050	221,261	0	0	0	0	0	0	0	0	0	0%	0%	0%	None
SVP (IFW)	169-01	5	401	1,560	162,958	161,757	0	0	60	13,014	0	0	167	0	99%	0%	99%	Access Road, Pole, Work Pad
PSVP (IFW)	174-06	5	390	6,302	166,613	166,129	0	0	60	10,678	0	0	814	0	100%	0%	100%	Access Road, Pole, Work Pad
SVP (IFW)	188-03	5	359, 360	5,730	208,336	146,174	0	0	0	11,731	0	0	1,073	0	70%	0%	70%	Access Road
SVP (IFW)	20-3	1	46	18,363	0	0	0	0	0	0	0	0	0	0	0%	0%	0%	None
PSVP (IFW)	40-5	1	91	5,552	177,274	0	0	2,333	0	2,807	53,325	40	4,024	15,889	0%	40%	40%	Access Road, Pole, Work Pad
PSVP (IFW)	40-6	1	91	4,137	151,489	0	0	0	0	1,889	35,738	0	2,766	13,643	0%	33%	33%	Access Road, Work Pad
SVP (IFW)	41-2 [3]	1	92	2,587	22,623	0	0	0	0	0	22,614	0	0	0	0%	100%	100%	None
SVP (IFW)	43-2 [3]	1	98	1,956	85,543	0	0	0	0	4,511	14,155	0	0	0	0%	17%	17%	Access Road
SVP (IFW)	46-2 [3]	1	101	13,880	23,069	0	0	0	0	0	0	0	0	0	0%	0%	0%	None
SVP (IFW)	48-4 [3]	1	105	454	77,895	0	0	0	0	8,104	50,993	0	0	0	0%	65%	65%	Access Road
SVP (IFW)	49-10 [3]	1	107	798	90,646	0	0	0	40	15,040	23,186	0	20	4,643	0%	31%	31%	Access Road, Pole, Work Pad
PSVP (IFW)	49-12 [3]	1	107	5,162	100,398	0	0	0	0	0	6,440	0	0	0	0%	6%	6%	None
SVP (IFW)	72-102	2	159	141	144,725	58,513	0	0	40	15,523	35,236	0	0	1,668	40%	26%	66%	Access Road, Pole, Work Pad
SVP (IFW)	75-101	3	167	188	200,279	56,447	0	5	160	10,619	22,238	0	0	16,454	28%	19%	48%	Access Road, Pole, Work Pad
SVP (IFW)	75-102	3	167	448	192,893	46,524	0	0	160	10,756	24,731	0	0	12,866	24%	20%	44%	Access Road, Pole, Work Pad
SVP (IFW)	80-01 [3]	3	178	1,810	63,827	0	0	0	0	0	3,767	0	0	104	0%	6%	6%	None
SVP (IFW)	80-03	3	177	4,547	244,085	91,675	0	3,628	40	11,974	30,771	0	1,090	9,395	38%	18%	56%	Access Road, Pole, Work Pad
PSVP (IFW)	81-05	3	180	1,079	139,673	72,832	0	0	0	7,825	16,044	0	0	0	52%	11%	64%	Access Road
SVP (IFW)	83-02	3	183	14,556	238,739	57,517	0	0	0	7,805	26,845	0	3,120	13,132	24%	17%	41%	Access Road
SVP (IFW)	83-03	3	183	561	191,617	45,740	0	0	40	11,998	16,867	0	1,119	20,063	24%	19%	43%	Access Road, Pole, Work Pad

Exhibit 7-5 NECEC Significant Vernal Pool Habitat Impact Summary

Transmission Line Impacts

Pool Determination Status[1]	Pool ID	Segment #	NR Map #	Pool Size (sq ft)	Buffer Size Within CMP-Controlled Property (sq ft)	Existing Impacts within 250 ft Buffer (sq ft)	Impacts to Pool		Impacts to Upland Areas within 250 ft			Impacts to Wetlands within 250' Buffer			Permanent SVPH Impacts[2]			Facility/Activity Type Impacting
							Pool Direct Impacts (sq ft)	Pool Clearing Impacts (sq ft)	Direct Impacts (sq ft)	Temp Impacts (sq ft)	Clearing Impacts (sq ft)	Direct Impacts (sq ft)	Temporary Impacts (sq ft)	Clearing Impacts (sq ft)	% Existing Impacts to SVPH	% Additional Impacts to SVPH	% Total Impacts to SVPH	
SVP (IFW)	83-04	3	183	6,104	174,599	127,822	0	0	0	8,715	23,370	0	588	2,106	73%	15%	88%	Access Road
SVP (IFW)	85-01	3	189	2,989	159,107	12,402	0	0	40	9,819	33,346	0	0	74	8%	21%	29%	Access Road, Pole, Work Pad
SVP (IFW)	86-04	3	191	16,971	333,918	105,897	0	10,918	40	8,439	25,133	0	8,913	19,800	32%	17%	48%	Access Road, Pole, Work Pad
SVP (IFW)	86-05	3	191	7,062	180,173	40,096	0	0	40	7,325	19,303	0	3,275	5,073	22%	14%	36%	Access Road, Pole, Work Pad
SVP (IFW)	86-09	3	190	6,618	167,747	19,759	0	0	40	12,661	35,230	0	0	389	12%	21%	33%	Access Road, Pole, Work Pad
SVP (IFW)	92-01	3	203	2,341	244,688	81,941	0	1,576	0	11,372	38,702	0	0	152	33%	17%	50%	Access Road
PSVP (IFW)	LT-3	1	11, 12	2,925	163,378	0	0	2,925	40	15,393	79,202	0	924	6,539	0%	54%	54%	Access Road, Pole, Work Pad

Substation Impacts

Pool Determination Status[1]	Pool ID	Segment #	NR Map #	Pool Size (sq ft)	Buffer Size Within CMP-Controlled Property (sq ft)	Existing Impacts within 250 ft Buffer (sq ft)	Impacts to Pool		Impacts to Upland Areas within 250 ft			Impacts to Wetlands within 250' Buffer			Permanent SVPH Impacts[2]			Facility/Activity Type Impacting
							Pool Direct Impacts (sq ft)	Pool Clearing Impacts (sq ft)	Direct Impacts (sq ft)	Temp Impacts (sq ft)	Clearing Impacts (sq ft)	Direct Impacts (sq ft)	Temporary Impacts (sq ft)	Clearing Impacts (sq ft)	% Existing Impacts to SVPH	% Additional Impacts to SVPH	% Total Impacts to SVPH	
SVP (IFW)	PERRON-2	3	320	9,460	11,877	0	0	0	10,569	0	10,569	1,308	0	1,308	0%	100%	100%	Substation
PSVP (ID)	CS-01	3	320	400	69,074	2,541	0	0	19,440	0	16,899	30,975	0	44,068	4%	100%	100%	Substation

[1] (IFW) = Status was determined by MDIFW, provided in correspondence on 12/20/17. (ID) = Status was determined previously by MDIFW under the MPRP Project

[2] Percent Total Impact reflects the area impacted (i.e., permanent fill, temporary fill, and forest conversion) within the 250 foot Significant Vernal Pool Habitat, excluding overlapping impact types.

[3] Pool depression is located outside of CMP-controlled land, however, the buffer extends onto CMP-controlled land.

Cumulative Impacts (sq ft)							
Impacts to Pool		Impacts to Upland Areas within 250'			Impacts to Wetlands within 250'		
Pool Direct Impacts	Pool Clearing Impacts	Upland Direct Impacts	Upland Temp Impacts	Upland Clearing Impacts	Wetland Direct Impacts	Wetland Temporary Impacts	Wetland Clearing Impacts
0	70,479	31,320	515,457	1,363,864	32,365	83,113	169,884

Exhibit 7-6 USACE Vernal Pool Table (8/13/2018)

Vernal Pool ID	Segment #	NRM #	COUNTY	Existing Condistion in Vernal Pool Habitat (750')				Proposed Activity in Vernal Pool Habitat (750')					Proposed Post Construction Condition in Vernal Pool Habitat (750')			Existing Conditions in Vernal Pool Depression and 100' Envelope					Proposed Activity in Vernal Pool Depression and 100' Envelope						Proposed Post-Construction Condition in Vernal Pool Depression and 100' Envelope		
				Total VP Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Proposed Percent Additional Clearing	Direct Impact to VP Habitat (sq ft)	Proposed Forested (sq ft)	Proposed Non-Forested (sq ft)	Proposed Percent Forested	Pool Size (sq ft)	Total Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Percent Forested	Pool Depression Direct Impact (sq ft)	Proposed Fill Envelope (sq ft)	Proposed Forested Conditions (sq ft)	Proposed Non-Forested Conditions (sq ft)	Proposed Percent Forested Condition
20-4	1	47	Somerset	1,922,382	0	1,922,382	100.0%	45,170	153,337	198,508	10.3%	80	1,723,874	198,508	89.7%	900	53,305	0	53,305	100.0%	0	0	0	0.0%	0	0	53,305	0	100.0%
20-1	1	46	Somerset	1,774,581	0	1,774,581	100.0%	15,176	138,353	153,530	8.7%	40	1,621,051	153,530	91.3%	8	32,437	0	32,437	100.0%	0	0	0	0.0%	0	0	32,437	0	100.0%
LT-4	1	11	Franklin	1,840,068	0	1,840,068	100.0%	21,866	208,619	230,485	12.5%	80	1,609,583	230,485	87.5%	388	41,474	0	41,474	100.0%	8,055	24,010	32,065	77.3%	0	0	9,409	32,065	22.7%
20-2	1	46	Somerset	1,774,580	0	1,774,580	100.0%	10,386	127,294	137,680	7.8%	40	1,636,900	137,680	92.2%	8	32,437	0	32,437	100.0%	0	0	0	0.0%	0	0	32,437	0	100.0%
LT-5	1	10, 11	Franklin	1,774,579	0	1,774,579	100.0%	7,269	217,682	224,952	12.7%	40	1,549,627	224,952	87.3%	8	32,437	0	32,437	100.0%	2,628	21,703	24,331	75.0%	0	0	8,105	24,331	25.0%
20-3	1	46, 47	Somerset	2,335,749	0	2,335,749	100.0%	18,527	173,855	192,382	8.2%	40	2,143,367	192,382	91.8%	18,363	128,722	0	128,722	100.0%	0	0	0	0.0%	0	0	128,722	0	100.0%
LT-6	1	10	Franklin	1,804,459	5,258	1,799,202	99.7%	0	225,864	225,864	12.5%	40	1,573,337	231,122	87.2%	125	36,499	0	36,499	100.0%	0	15,763	15,763	43.2%	0	34	20,737	15,763	56.8%
32-1	1	73	Somerset	1,845,626	12,039	1,833,587	99.3%	35,027	180,425	215,452	11.7%	200	1,618,135	227,491	87.7%	522	42,378	509	41,870	98.8%	748	253	1,000	2.4%	0	0	40,869	1,509	96.4%
17-7	1	39	Somerset	1,858,376	18,023	1,840,353	99.0%	68,713	176,698	245,411	13.2%	200	1,594,943	263,434	85.8%	462	44,258	0	44,258	100.0%	520	18,544	19,064	43.1%	0	0	25,194	19,064	56.9%
36-2	1	81	Somerset	1,812,339	17,600	1,794,739	99.0%	44,819	168,825	213,643	11.8%	40	1,581,096	231,243	87.2%	117	37,543	0	37,543	100.0%	0	0	0	0.0%	0	0	37,543	0	100.0%
46-2	1	101	Somerset	2,155,429	23,249	2,132,181	98.9%	0	249,948	249,948	11.6%	200	1,882,233	273,196	87.3%	13,880	96,043	0	96,043	100.0%	0	0	0	0.0%	0	0	96,043	0	100.0%
17-5	1	39	Somerset	1,956,604	21,170	1,935,433	98.9%	55,728	188,908	244,636	12.5%	200	1,690,797	265,806	86.4%	1,796	59,190	0	59,190	100.0%	520	34,152	34,672	58.6%	0	0	24,518	34,672	41.4%
17-6	1	39	Somerset	1,868,510	20,808	1,847,702	98.9%	57,713	179,665	237,378	12.7%	200	1,610,324	258,186	86.2%	559	45,417	0	45,417	100.0%	520	30,245	30,766	67.7%	0	0	14,651	30,766	32.3%
46-1	1	101	Somerset	1,948,795	23,510	1,925,285	98.8%	0	232,890	232,890	12.0%	200	1,692,395	256,400	86.8%	2,582	57,954	0	57,954	100.0%	0	0	0	0.0%	0	0	57,954	0	100.0%
25-1	1	57	Somerset	1,875,802	23,630	1,852,172	98.7%	51,653	175,758	227,411	12.1%	160	1,624,760	251,042	86.6%	880	46,725	0	46,725	100.0%	0	0	0	0.0%	0	0	46,725	0	100.0%
24-1	1	55	Somerset	1,862,425	25,409	1,837,016	98.6%	64,299	161,401	225,700	12.1%	80	1,611,316	251,109	86.5%	513	44,566	0	44,566	100.0%	10,850	18,222	29,071	65.2%	0	0	15,495	29,071	34.8%
41-1	1	93	Somerset	1,852,520	26,102	1,826,419	98.6%	56,252	173,158	229,409	12.4%	40	1,597,009	255,511	86.2%	582	43,343	0	43,343	100.0%	19,943	12,228	32,171	74.2%	0	0	11,172	32,171	25.8%
17-2	1	39	Somerset	1,774,577	26,000	1,748,577	98.5%	2,356	219,722	222,078	12.5%	40	1,526,499	248,078	86.0%	8	32,437	0	32,437	100.0%	227	6,255	6,482	20.0%	0	0	25,955	6,482	80.0%
1-1	1	3	Franklin	1,774,574	26,736	1,747,839	98.5%	62,923	145,034	207,957	11.7%	40	1,539,882	234,693	86.8%	8	32,437	0	32,437	100.0%	0	0	0	0.0%	0	0	32,437	0	100.0%
52-5	1	116	Somerset	1,943,371	29,694	1,913,677	98.5%	23,005	177,098	200,103	10.3%	200	1,713,574	229,797	88.2%	1,159	55,978	5,932	50,046	89.4%	0	0	0	0.0%	0	0	50,046	5,932	89.4%
15-1	1	35	Somerset	1,849,519	30,316	1,819,203	98.4%	0	225,801	225,801	12.2%	80	1,593,402	256,116	86.2%	676	43,042	0	43,042	100.0%	0	12,409	12,409	28.8%	0	0	30,634	12,409	71.2%
52-4	1	116	Somerset	1,797,746	31,987	1,765,760	98.2%	39,379	155,294	194,673	10.8%	160	1,571,086	226,660	87.4%	84	35,569	2,861	32,708	92.0%	0	0	0	0.0%	0	0	32,708	2,861	92.0%
52-3	1	116	Somerset	1,798,566	32,212	1,766,353	98.2%	39,760	152,483	192,243	10.7%	160	1,574,110	224,455	87.5%	84	35,679	3,330	32,350	90.7%	0	0	0	0.0%	0	0	32,350	3,330	90.7%
52-2	1	116	Somerset	1,820,714	33,519	1,787,195	98.2%	42,287	151,089	193,376	10.6%	160	1,593,818	226,895	87.5%	294	38,813	4,869	33,945	87.5%	0	0	0	0.0%	0	0	33,945	4,869	87.5%
17-3	1	39	Somerset	1,774,578	33,142	1,741,436	98.1%	2,356	215,327	217,683	12.3%	40	1,523,753	250,825	85.9%	8	32,437	0	32,437	100.0%	0	0	0	0.0%	0	0	32,437	0	100.0%
0-1	1	1	Franklin	1,774,580	35,794	1,738,786	98.0%	0	222,485	222,485	12.5%	40	1,516,302	258,278	85.4%	8	32,437	0	32,437	100.0%	0	8,828	8,828	27.2%	0	0	23,609	8,828	72.8%
0-4	1	1	Franklin	1,803,615	37,573	1,766,042	97.9%	5,382	190,139	195,521	10.8%	200	1,570,521	233,094	87.1%	126	36,388	0	36,388	100.0%	0	11,657	11,657	32.0%	0	0	24,731	11,657	68.0%
17-4	1	39	Somerset	1,774,579	37,010	1,737,570	97.9%	2,356	210,051	212,407	12.0%	40	1,525,163	249,416	85.9%	8	32,437	0	32,437	100.0%	0	0	0	0.0%	0	0	32,437	0	100.0%
17-8	1	39	Somerset	1,994,214	41,802	1,952,412	97.9%	102,780	108,827	211,608	10.6%	200	1,740,805	253,410	87.3%	1,433	63,239	0	63,239	100.0%	0	0	0	0.0%	0	0	63,239	0	100.0%
45-2	1	100	Somerset	1,836,756	39,212	1,797,544	97.9%	102,825	125,090	227,916	12.4%	80	1,569,629	267,128	85.5%	425	41,062	0	41,062	100.0%	2,736	18,097	20,833	50.7%	0	0	20,229	20,833	49.3%
LT-3	1	11, 12	Franklin	1,969,609	45,297	1,924,312	97.7%	30,349	191,340	221,689	11.3%	40	1,702,623	266,987	86.4%	2,925	61,458	0	61,458	100.0%	9,443	32,638	42,081	68.5%	0	40	19,377	42,081	31.5%
26-1	1	59	Somerset	1,800,126	49,022	1,751,103	97.3%	25,032	158,023	183,055	10.2%	80	1,568,048	232,077	87.1%	124	35,919	0	35,919	100.0%	2,205	0	2,205	6.1%	0	0	33,715	2,205	93.9%
16-3	1	37	Somerset	1,833,354	51,688	1,781,666	97.2%	16,374	213,336	229,710	12.5%	40	1,551,956	281,398	84.7%	248	40,515	0	40,515	100.0%	7,450	19,126	26,576	65.6%	0	0	13,939	26,576	34.4%
41-2	1	92	Somerset	1,991,429	58,551	1,932,879	97.1%	44,763	164,545	209,308	10.5%	78	1,723,571	267,859	86.5%	2,587	64,158	0	64,158	100.0%	0	0	0	0.0%	0	0	64,158	0	100.0%
33-1	1	76	Somerset	1,832,944	55,266	1,777,678	97.0%	1,117	204,841	205,958	11.2%	80	1,571,719	261,225	85.7%	346	40,489	0	40,489	100.0%	0	0	0	0.0%	0	0	40,489	0	100.0%
42-1	1	95, 96	Somerset	1,803,163	56,890	1,746,273	96.8%	16,179	200,535	216,714	12.0%	73	1,529,559	273,604	84.8%	90	36,296	7,650	28,647	78.9%	0	8,997	8,997	24.8%	0	0	19,649	16,647	54.1%
16-2	1	37	Somerset	1,774,578	57,356	1,717,222	96.8%	31,923	169,056	200,979	11.3%	40	1,516,243	258,335	85.4%	8	32,437	0	32,437	100.0%	0	1,016	1,016	3.1%	0	0	31,421	1,016	96.9%
37-1	1	84	Somerset	1,852,293	60,809	1,791,484	96.7%	19,517	197,038	216,555	11.7%	160	1,574,928	277,365	85.0%	142	42,902	6,623	36,280	84.6%	0	13,851	13,851	32.3%	0	80	22,428	20,474	52.3%
11-3	1	25, 26	Franklin	1,827,519	61,758	1,765,762	96.6%	261	199,505	199,766	10.9%	200	1,565,996	261,524	85.7%	187	39,627	7,097	32,530	82.1%	0	14,722	14,722	37.2%	0	0	17,808	21,819	44.9%
16-1	1	37	Somerset	1,817,932	62,273	1,755,659	96.6%	21,643	183,732	205,375	11.3%	80	1,550,284	267,648	85.3%	255	38,408	4,882	33,527	87.3%	8,922	4,500	13,422	34.9%	0	0	20,105	18,304	52.3%
33-2	1	76	Somerset	1,849,548	63,622	1,785,926	96.6%	1,644	199,842	201,486	10.9%	80	1,584,440	265,108	85.7%	135	42,525	0	42,525	100.0%	0	0	0	0.0%	0	0	42,525	0	100.0%
31-2	1	70	Somerset	1,921,460	66,467	1,854,993	96.5%	115,300	102,941	218,241	11.4%	40	1,636,752	284,708	85.2%	469	52,400	12,468	39,933	76.2%	0	522	522	1.0%	0	0	39,411	12,989	75.2%
33-3	1	76	Somerset	1,793,607	65,932	1,727,675	96.3%	1,644	191,195	192,839	10.8%	80	1,534,836	258,771	85.6%	38	34,972	0	34,972	100.0%	0	0	0	0.0%	0	0	34,972	0	100.0%
39-1	1	89	Somerset	1,845,612	69,657	1,775,956	96.2%	6,494	186,849	193,342	10.5%	80	1,582,613	262,999	85.8%	310	42,146	0	42,146	100.0%	0	0	0	0.0%	0	0	42,146	0	100.0%
39-2	1	89	Somerset	1,791,959	71,550	1,720,409	96.0%	6,494	189,276	195,770	10.9%	80	1,524,639	267,320	85.1%	40	34,754	0	34,754	100.0%	0	0	0	0.0%	0	0	34,754	0	100.0%
48-1	1	106	Somerset	1,799,530	73,776	1,725,754	95.9%	7,849	179,851	187,700	10.4%	80	1,538,054	261,476	85.5%	110	35,830	4,543	31,286	87.3%	0	0	0	0.0%	0	0	31,286	4,543	87.3%
0-2	1	1	Franklin	1,802,749	74,053	1,728,696	95.9%	0	207,367	207,367	11.5%	80	1,521,329	281,420	84.4%	136	36,281	6,032	30,249	83.4%	0	15	15	0.0%	0	0	30,234	6,047	83.3%
35-1	1	80, 81	Somerset	1,944,168	79,997	1,864,171	95.9%	33,767	156,914	190,681	9.8%	40	1,673,490	270,678	86.1%	730	55,824	0	55,824	100.0%	15,072	21,142	36,214	64.9%	0	40	19,610	36,214	35.1%
48-5	1	106	Somerset	1,774,570	74,970	1,699,600	95.8%	7,849	175,170	183,018	10.3%	80	1,516,582	257,988	85.5%	8	32,437	4,663	27,773	85.6%	0	0	0	0.0%	0	0	27,773	4,663	85.6%
31-1	1	70, 71	Somerset	1,940,639	82,192	1,858,447	95.8%	48,342	96,816	145,158	7.5%	40	1,713,289	227,350	88.3%	3,259	57,518	6,156	51,362	89.3%	0	0	0	0.0%	0	0	51,362	6,156	89.3%
0-3	1	1	Franklin	1,774,578	75,358	1,699,220	95.8%	0	205,490	205,490	11.6%	80	1,493,730	280,848	84.2%	8	32,437	6,848	25,588	78.9%	0	0	0	0.0%	0	0	25,588	6,848	78.9%
48-2	1	106	Somerset	1,791,426	77,358	1,714,068	95.7%	7,849	175,700	183,549	10.2%	80	1,530,519	260,907	85.4%	49	34,696	4,964	29,732	85.7%	0	0	0	0.0%	0	0	29,732	4,964	85.7%
43-2	1	98	Somerset	1,916,673	84,016	1,832,657	95.6%	6,771	195,792	202,563	10.6%	40	1,630,095	286,578	85.0%	1,956	53,214	0	53,214	100.0%	0	0	0	0.0%	0	0	53,214	0	100.0%
42-2	1	95	Somerset	1,786,296	78,702	1,707,594	95.6%	15,782	195,002	210,783	11.8%	80	1,496,811	289,485	83.8%	34	33,994	0	33,994	100.0%	1,582	111	1,693	5.0%	0	0	32,301	1,693	95.0%
39-3	1	89	Somerset	1,967,493	89,267	1,878,226	95.5%	9,866	197,542	207,408	10.5%	75	1,670,819	296,674	84.9%	1,090	59,296	0	59,296	100.0%	0	0	0	0.0%	0	0	59,296	0	100.0%
48-3	1	106	Somerset	1,783,369	81,090	1,702,279	95.5%	7,854	170,995	178,850	10.0%	80	1,523,430	259,939	85.4%	22	33,594	5,152	28,442	84.7%	0	4	4	0.0%	0	0	28,438	5,156	84.7%
LT-7	1	9	Franklin	1,774,578	83,882	1,690,696	95.3%	16,382	184,459	200,841	11.3%	200	1,489,855	284,723	84.0%	8	32,437	0	32,437	100.0%	4,326	5,004	9,330	28.8%	0	0	23,107	9,330	71.2%
12-2	1	29	Somerset	1,827,895	89,047	1,738,849	95.1%	3,328	210,849	214,176	11.7%	80	1,524,672	303,223	83.4%	341	39,811	5,415	34,395	86.4%	0	10,951	10,951	27.5%	0	0	23,445	16,366	58.9%
17-1	1	40, 41	Somerset	1,824,234	93,280	1,730,954	94.9%	26,129	187,242	213,372	11.7%	40	1,517,582	306,652	83.2%	368	39,347	0	39,347	100.0%	0	0	0	0.0%	0	0	39,347	0	100.0%
9-1	1	21	Franklin	1,859,105	100,502	1,758,604	94.6%	54,849	155,406	210,255	11.3%	40	1,548,349	310,756	83.3%	851	44,416	0	44,416	100.0%	18,562	12,441	31,003	69.8%	0	0	13,413	31,003	30.2%
43-1	1	97	Somerset	1,935,476	114,873	1,820,604	94.1%	6,771	202,810	209,581	10.8%	40	1,611,022	324,454	83.2%	845	54,785	21,367	33,418	61.0%	0	4,623	4,623	8.4%	0	0	28,795	25,990	52.6%
48-4	1	105	Somerset	1,835,945	113,895	1,722,050	93.8%	3,284	144,944	148,228	8.1%	80	1,573,822	262,123	85.7%	454	40,982	2,528	38,454	93.8%	0	4,973	4,973	12.1%	0	0	33,481	7,501	81.7%
40-4	1	92	Somerset	1,795,269	114,617	1,680,652	93.6%	41,985	172,826	214,811	12.0%	200	1,465,841	329,428	81.7%	51	35,210	0	35,210	100.0%	11,980	8,086	20,066	57.0%	0	0	15,144	20,066	43.0%
40-6	1	91	Somerset	2,091,674	135,096	1,956,578	93.5%	70,738	130,776	201,515	9.6%	40	1,755,064	336,611	83.9%	4,137	79,769	2,358	77,411	97.0%	5,150	3,251	8,402	10.5%	0	0	69,009	10,759	86.5%
40-2	1	91, 92	Somerset	1,794,513	118,056	1,676,457	93.4%	42,391	149,817	192,208	10.7%	200	1,484,249	310,264	82.7%	55	35,119	0	35,119	100.0%	0	0	0	0.0%	0	0	35,119	0	100.0%
33-6	1	74	Somerset	1,846,046	121,733	1,724,313	93.4%	141	149,248	149,389	8.1%	40	1,574,925	271,122	85.3%	203	42,134	4,719	37,415	88.8%	0	0	0	0.0%	0	0	37,415	4,719	88.8%
40-3	1	91, 92	Somerset	1,780,370	117,824	1,662,546	93.4%	42,163	151,902	194,064	10.9%	200	1,468,481	311,889	82.5%	13	33,186	0	33,186	100.0%	0	0	0	0.0%	0	0	33,186	0	100.0%
40-1	1	91, 92	Somerset	1,786,820	120,794	1,666,027	93.2%	43,309	149,601	192,910	10.8%	200	1,473,116	313,704	82.4%	30	34,060	0	34,060	100.0%	0	0	0	0.0%	0	0	34,060	0	100.0%
40-5	1	91	Somerset	2,044,082	154,196	1,889,885	92.5%	73,325	138,276	211,601	10.4%	40	1,678,284	365,798	82.1%	5,552	73,921	16,826	57,095	77.2%	8,493	12,920	21,414	29.0%	0	0	35,681	38,240	48.3%
10-1	1	25	Franklin	1,800,766	141,024	1,659,742	92.2%	7,127	126,371	133,498	7.4%	200	1,526,245	274,522	84.8%	118	36,001	17,150	18,851	52.4%	2,449	8,988	11,436	31.8%	0	0	7,415	28,586	20.6%
LT-2	1	12	Franklin	1,940,715	152,626	1,788,089	92.1%	21,518	160,967	182,485	9.4%	40	1,605,605	335,110	82.7%	743	55,414	0	55,414	100.0%	2,778	40,036	42,814	77.3%	0	0	12,600	42,814	22.7%
33-7	1	74	Somerset	1,811,638	142,704	1,668,934	92.1%	141	136,822	136,963	7.6%	80	1,531,971	279,667	84.6%	142	37,473	535	36,938	98.6%	0	0	0	0.0%	0	0	36,938	535	98.6%
13-1	1	30	Somerset	1,879,698	152,556	1,727,142	91.9%	58,251	137,333	195,584	10.4%	40	1,531,558	348,140	81.5%	441	46,805	12,509	34,296	73.3%	13,468	9,908	23,375	49.9%	0	0	10,920	35,884	23.3%
10-2	1	25	Franklin	1,821,819	149,117	1,672,702	91.8%	7,965	126,969	134,934	7.4%	40	1,537,767	284,052	84.4%	311	38,995	22,273	16,722	42.9%	27	7,535	7,562	19.4%	0	0	9,160	29,834	23.5%
33-5	1	74, 75	Somerset	1,831,001	150,539	1,680,463	91.8%	141	150,868	151,009	8.2%	80	1,529,454	301,547	83.5%	258	40,154	12,430	27,724	69.0%	0	12,242	12,242	30.5%	0	0	15,482	24,672	38.6%
10-3	1	25	Franklin	1,809,351	149,117	1,660,234	91.8%	7,912	124,365	132,277	7.3%	40	1,527,956	281,395	84.4%	186	37,207	24,840	12,368	33.2%	0	0	0	0.0%	0	0	12,368	24,840	33.2%
13-2	1	30	Somerset	1,884,914	160,460	1,724,454	91.5%	56,853	125,868	182,721	9.7%	80	1,541,732	343,181	81.8%	1,385	48,320	4,851	43,468	90.0%	4,025	3,161	7,186	14.9%	0	0	36,282	12,037	75.1%
118-04	3	262	Franklin	1,944,805	173,798	1,771,007	91.1%	0	115,166	115,166	5.9%	40	1,655,841	288,964	85.1%	2,557	57,778	87	57,691	99.8%	0	13,569	13,569	23.5%	0	40	44,122	13,656	76.4%
101-03	3	225	Franklin	2,294,863	208,624	2,086,239	90.9%	9,462	113,596	123,058	5.4%	80	1,963,181	331,682	85.5%	22,982	121,814	19,047	102,767	84.4%	9,462	13,483	22,945	18.8%	0	40	79,822	41,992	65.5%

Exhibit 7-6 USACE Vernal Pool Table (8/13/2018)

Vernal Pool ID	Segment #	NRM #	COUNTY	Existing Condistion in Vernal Pool Habitat (750')				Proposed Activity in Vernal Pool Habitat (750')					Proposed Post Construction Condition in Vernal Pool Habitat (750')			Existing Conditions in Vernal Pool Depression and 100' Envelope					Proposed Activity in Vernal Pool Depression and 100' Envelope						Proposed Post-Construction Condition in Vernal Pool Depression and 100' Envelope		
				Total VP Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Proposed Percent Additional Clearing	Direct Impact to VP Habitat (sq ft)	Proposed Forested (sq ft)	Proposed Non-Forested (sq ft)	Proposed Percent Forested	Pool Size (sq ft)	Total Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Percent Forested	Pool Depression Direct Impact (sq ft)	Proposed Fill Envelope (sq ft)	Proposed Forested Conditions (sq ft)	Proposed Non-Forested Conditions (sq ft)	Proposed Percent Forested Condition
118-03	3	262	Franklin	1,984,420	182,133	1,802,287	90.8%	0	118,133	118,133	6.0%	80	1,684,154	300,267	84.9%	2,072	63,332	0	63,332	100.0%	0	9,825	9,825	15.5%	0	0	53,507	9,825	84.5%
117-02	3	258	Franklin	2,189,900	203,403	1,986,497	90.7%	77,642	52,212	129,854	5.9%	80	1,856,643	333,258	84.8%	10,517	97,735	0	97,735	100.0%	14,013	472	14,484	14.8%	0	0	83,251	14,484	85.2%
116-04	3	257	Franklin	2,266,227	220,713	2,045,514	90.3%	18,597	111,958	130,554	5.8%	80	1,914,960	351,267	84.5%	15,369	113,280	38,775	74,506	65.8%	12,987	17,809	30,796	27.2%	0	0	43,710	69,571	38.6%
72-102	2	159	Somerset	1,810,444	176,406	1,634,038	90.3%	3,988	107,291	111,279	6.1%	40	1,522,759	287,685	84.1%	141	37,312	20,731	16,581	44.4%	1,668	11,062	12,731	34.1%	0	0	3,850	33,461	10.3%
116-05	3	258	Franklin	1,814,285	178,028	1,636,257	90.2%	50,366	60,889	111,254	6.1%	40	1,525,003	289,282	84.1%	312	37,991	21,838	16,153	42.5%	0	0	0	0.0%	0	0	16,153	21,838	42.5%
72-101	2	159	Somerset	1,781,032	175,191	1,605,841	90.2%	3,988	106,921	110,908	6.2%	40	1,494,933	286,099	83.9%	28	33,294	14,275	19,019	57.1%	1,668	12,249	13,917	41.8%	0	0	5,102	28,192	15.3%
116-06	3	258	Franklin	1,811,912	178,864	1,633,048	90.1%	60,811	51,094	111,905	6.2%	40	1,521,143	290,769	84.0%	130	37,504	23,512	13,992	37.3%	0	0	0	0.0%	0	0	13,992	23,512	37.3%
117-01	3	258	Franklin	1,781,034	178,490	1,602,544	90.0%	64,715	45,300	110,015	6.2%	80	1,492,529	288,505	83.8%	28	33,294	19,194	14,101	42.4%	0	0	0	0.0%	0	0	14,101	19,194	42.4%
104-03	3	231	Franklin	1,842,541	188,032	1,654,509	89.8%	15,015	98,941	113,957	6.2%	40	1,540,552	301,988	83.6%	607	41,997	0	41,997	100.0%	3,606	6,103	9,709	23.1%	0	0	32,287	9,709	76.9%
101-02	3	225	Franklin	1,840,204	189,119	1,651,085	89.7%	9,462	103,957	113,420	6.2%	80	1,537,665	302,539	83.6%	309	41,426	0	41,426	100.0%	184	719	903	2.2%	0	0	40,523	903	97.8%
11-2	1	27	Somerset	1,799,537	185,482	1,614,055	89.7%	2,167	95,756	97,923	5.4%	160	1,516,131	283,405	84.3%	89	35,813	0	35,813	100.0%	0	0	0	0.0%	0	0	35,813	0	100.0%
11-1	1	27	Somerset	1,784,752	184,549	1,600,204	89.7%	3,692	98,581	102,273	5.7%	160	1,497,931	286,822	83.9%	24	33,780	0	33,780	100.0%	0	0	0	0.0%	0	0	33,780	0	100.0%
80-01	3	178	Somerset	1,911,315	199,902	1,711,414	89.5%	9,733	96,937	106,670	5.6%	40	1,604,744	306,572	84.0%	1,810	52,206	0	52,206	100.0%	0	0	0	0.0%	0	0	52,206	0	100.0%
104-05	3	231	Franklin	1,933,209	204,630	1,728,579	89.4%	15,872	102,011	117,882	6.1%	80	1,610,696	322,513	83.3%	532	54,019	33,381	20,638	38.2%	0	0	0	0.0%	0	0	20,638	33,381	38.2%
116-03	3	257	Franklin	1,893,134	202,144	1,690,990	89.3%	18,597	95,197	113,794	6.0%	80	1,577,196	315,938	83.3%	1,002	49,077	32,313	16,764	34.2%	1,471	0	1,471	3.0%	0	0	15,293	33,784	31.2%
75-103	3	167	Somerset	1,911,774	205,287	1,706,487	89.3%	21,640	84,698	106,338	5.6%	160	1,600,149	311,625	83.7%	1,987	52,583	0	52,583	100.0%	0	1,689	1,689	3.2%	0	0	50,893	1,689	96.8%
104-04	3	231	Franklin	1,790,514	192,685	1,597,830	89.2%	15,542	96,540	112,082	6.3%	40	1,485,748	304,766	83.0%	78	34,600	27,526	7,074	20.4%	2,339	2,624	4,963	14.3%	0	0	2,111	32,489	6.1%
101-01	3	224	Franklin	1,936,774	211,362	1,725,412	89.1%	3,160	113,370	116,530	6.0%	80	1,608,882	327,892	83.1%	2,583	56,294	31,948	24,346	43.2%	0	0	0	0.0%	0	0	24,346	31,948	43.2%
100-01	3	220	Somerset	1,781,031	194,993	1,586,038	89.1%	4,162	102,011	106,172	6.0%	80	1,479,866	301,166	83.1%	28	33,294	18,385	14,909	44.8%	0	0	0	0.0%	0	0	14,909	18,385	44.8%
100-03	3	220	Somerset	1,790,515	196,280	1,594,234	89.0%	4,162	103,586	107,748	6.0%	80	1,486,487	304,028	83.0%	78	34,600	25,399	9,201	26.6%	0	0	0	0.0%	0	0	9,201	25,399	26.6%
100-02	3	220	Somerset	1,781,033	195,318	1,585,715	89.0%	4,162	102,556	106,718	6.0%	80	1,478,997	302,036	83.0%	28	33,294	20,180	13,114	39.4%	0	0	0	0.0%	0	0	13,114	20,180	39.4%
86-01	3	189, 190	Somerset	1,875,833	249,964	1,625,869	86.7%	40,063	69,068	109,130	5.8%	80	1,516,739	359,095	80.9%	1,112	46,909	8,495	38,415	81.9%	7,961	7,268	15,229	32.5%	0	0	23,186	23,723	49.4%
102-03	3	226	Franklin	2,016,648	223,296	1,793,352	88.9%	43,940	73,085	117,025	5.8%	40	1,676,327	340,321	83.1%	4,370	69,066	30,455	38,612	55.9%	0	0	0	0.0%	0	0	38,612	30,455	55.9%
116-02	3	257	Franklin	1,790,516	200,276	1,590,240	88.8%	18,597	91,478	110,075	6.1%	40	1,480,165	310,351	82.7%	78	34,600	21,152	13,448	38.9%	0	0	0	0.0%	0	0	13,448	21,152	38.9%
116-01	3	257	Franklin	1,790,514	201,349	1,589,165	88.8%	18,597	91,848	110,445	6.2%	40	1,478,720	311,794	82.6%	78	34,600	23,381	11,219	32.4%	0	0	0	0.0%	0	0	11,219	23,381	32.4%
96-01	3	212	Somerset	1,925,344	217,153	1,708,191	88.7%	12,599	101,956	114,555	5.9%	80	1,593,636	331,708	82.8%	506	52,948	34,100	18,848	35.6%	0	0	0	0.0%	0	0	18,848	34,100	35.6%
102-02	3	226	Franklin	1,875,657	211,637	1,664,020	88.7%	43,326	71,234	114,560	6.1%	40	1,549,460	326,197	82.6%	649	46,447	33,691	12,756	27.5%	0	0	0	0.0%	0	0	12,756	33,691	27.5%
96-02	3	212	Somerset	1,809,053	204,852	1,604,200	88.7%	9,554	98,947	108,501	6.0%	80	1,495,700	313,353	82.7%	149	37,133	21,569	15,564	41.9%	0	0	0	0.0%	0	0	15,564	21,569	41.9%
91-03	3	202, 203	Somerset	1,826,766	206,938	1,619,828	88.7%	8,637	100,418	109,055	6.0%	80	1,510,773	315,993	82.7%	261	39,594	0	39,594	100.0%	0	0	0	0.0%	0	0	39,594	0	100.0%
SR-30	1	67	Somerset	2,007,539	227,887	1,779,652	88.6%	139,430	80,426	219,856	11.0%	40	1,559,796	447,743	77.7%	1,421	67,839	6,717	61,122	90.1%	0	0	0	0.0%	0	0	61,122	6,717	90.1%
119-02	3	264	Franklin	2,016,215	229,378	1,786,837	88.6%	4,890	112,563	117,454	5.8%	80	1,669,383	346,832	82.8%	1,459	65,918	7,463	58,455	88.7%	0	0	0	0.0%	0	0	58,455	7,463	88.7%
104-08	3	231	Franklin	1,878,911	214,911	1,664,000	88.6%	14,872	100,023	114,895	6.1%	80	1,549,104	329,806	82.4%	352	46,623	35,285	11,337	24.3%	0	0	0	0.0%	0	0	11,337	35,285	24.3%
LT-1	1	12	Franklin	1,897,815	217,747	1,680,068	88.5%	19,682	138,809	158,491	8.4%	200	1,521,577	376,238	80.2%	847	49,571	0	49,571	100.0%	8,464	21,757	30,222	61.0%	0	0	19,350	30,222	39.0%
33-4	1	75	Somerset	1,799,435	206,993	1,592,442	88.5%	12,177	128,803	140,980	7.8%	40	1,451,462	347,973	80.7%	56	35,770	2,425	33,345	93.2%	0	0	0	0.0%	0	0	33,345	2,425	93.2%
104-07	3	231	Franklin	1,790,515	206,440	1,584,074	88.5%	15,638	94,676	110,314	6.2%	80	1,473,760	316,755	82.3%	78	34,600	26,685	7,915	22.9%	0	0	0	0.0%	0	0	7,915	26,685	22.9%
104-06	3	231	Franklin	1,781,032	206,101	1,574,931	88.4%	21,019	89,022	110,041	6.2%	80	1,464,890	316,142	82.2%	28	33,294	24,456	8,838	26.5%	0	0	0	0.0%	0	0	8,838	24,456	26.5%
86-02	3	191	Somerset	1,814,300	306,372	1,507,928	83.1%	41,177	60,554	101,731	5.6%	80	1,406,198	408,103	77.5%	234	37,907	27,186	10,721	28.3%	0	0	0	0.0%	0	0	10,721	27,186	28.3%
75-102	3	167	Somerset	1,836,023	215,090	1,620,933	88.3%	21,640	90,766	112,407	6.1%	200	1,508,526	327,496	82.2%	448	40,989	5	40,985	100.0%	2,191	10,474	12,666	30.9%	0	0	28,319	12,670	69.1%
82-01	3	181	Somerset	1,781,031	209,593	1,571,438	88.2%	4,480	106,750	111,230	6.2%	40	1,460,208	320,823	82.0%	28	33,294	25,371	7,923	23.8%	6	757	764	2.3%	0	0	7,160	26,134	21.5%
82-02	3	181	Somerset	1,781,032	209,636	1,571,397	88.2%	4,480	106,334	110,814	6.2%	40	1,460,583	320,450	82.0%	28	33,294	26,629	6,665	20.0%	0	0	0	0.0%	0	0	6,665	26,629	20.0%
117-04	3	259	Franklin	1,830,553	215,854	1,614,699	88.2%	9,838	103,939	113,777	6.2%	80	1,500,922	329,631	82.0%	317	40,149	31	40,118	99.9%	61	14,211	14,272	35.5%	0	0	25,846	14,303	64.4%
96-03	3	213	Somerset	1,790,516	380,596	1,409,920	78.7%	9,899	73,671	83,569	4.7%	80	1,326,350	464,165	74.1%	78	34,600	33,500	1,100	3.2%	1,091	0	1,091	3.2%	0	0	9	34,591	0.0%
119-08	3	265	Franklin	1,814,284	216,700	1,597,585	88.1%	6,227	106,187	112,413	6.2%	40	1,485,171	329,113	81.9%	312	37,991	24,496	13,495	35.5%	1,152	2,400	3,552	9.4%	0	0	9,943	28,048	26.2%
85-01	3	189	Somerset	2,008,907	241,211	1,767,696	88.0%	6,514	110,299	116,813	5.8%	40	1,650,884	358,024	82.2%	2,989	66,557	0	66,557	100.0%	0	0	0	0.0%	0	0	66,557	0	100.0%
79-03	3	174	Somerset	1,976,206	238,285	1,737,921	87.9%	55,480	55,105	110,585	5.6%	40	1,627,336	348,870	82.3%	1,334	60,462	20,294	40,167	66.4%	13,182	239	13,421	22.2%	0	0	26,746	33,716	44.2%
119-07	3	264, 265	Franklin	1,965,816	237,580	1,728,236	87.9%	6,227	112,349	118,576	6.0%	40	1,609,660	356,156	81.9%	874	59,023	31,173	27,850	47.2%	0	0	0	0.0%	0	0	27,850	31,173	47.2%
102-04	3	226	Franklin	1,798,404	217,894	1,580,510	87.9%	43,940	66,842	110,782	6.2%	200	1,469,728	328,676	81.7%	86	35,658	22,751	12,907	36.2%	0	0	0	0.0%	0	0	12,907	22,751	36.2%
75-101	3	167	Somerset	1,830,876	221,862	1,609,014	87.9%	21,640	92,070	113,710	6.2%	200	1,495,303	335,573	81.7%	188	40,122	2,438	37,684	93.9%	4,944	9,512	14,456	36.0%	0	0	23,228	16,894	57.9%
104-02	3	230	Franklin	2,025,778	248,137	1,777,640	87.8%	18,151	79,993	98,144	4.8%	80	1,679,496	346,281	82.9%	4,173	69,835	1,587	68,248	97.7%	0	16,902	16,902	24.2%	0	0	51,346	18,489	73.5%
96-04	3	213	Somerset	1,781,033	293,498	1,487,535	83.5%	11,952	86,708	98,660	5.5%	68	1,388,875	392,158	78.0%	28	33,294	3,620	29,674	89.1%	839	13,464	14,303	43.0%	0	0	15,371	17,923	46.2%
81-01	3	180	Somerset	2,177,858	277,186	1,900,672	87.3%	18,908	107,837	126,745	5.8%	80	1,773,927	403,931	81.5%	7,549	95,553	32,611	62,942	65.9%	10,183	17,867	28,050	29.4%	0	0	34,892	60,661	36.5%
103-03	3	228	Franklin	1,849,323	228,298	1,621,025	87.7%	11,946	102,502	114,447	6.2%	40	1,506,578	342,745	81.5%	356	42,678	33,776	8,902	20.9%	0	1,531	1,531	3.6%	0	0	7,372	35,306	17.3%
82-04	3	181	Somerset	1,948,071	241,389	1,706,682	87.6%	5,844	113,690	119,534	6.1%	80	1,587,148	360,923	81.5%	1,927	57,403	28,723	28,680	50.0%	2,056	17,941	19,997	34.8%	0	0	8,683	48,720	15.1%
88-10	3	195	Somerset	1,781,033	221,817	1,559,216	87.5%	21,312	89,338	110,650	6.2%	40	1,448,566	332,467	81.3%	28	33,294	25,114	8,180	24.6%	0	36	36	0.1%	0	11	8,145	25,149	24.5%
5-1	1	13, 14	Franklin	1,802,986	224,784	1,578,201	87.5%	1,016	140,080	141,096	7.8%	40	1,437,106	365,880	79.7%	137	36,314	0	36,314	100.0%	411	7,808	8,219	22.6%	0	0	28,094	8,219	77.4%
119-06	3	264, 265	Franklin	1,781,106	222,566	1,558,540	87.5%	6,227	104,956	111,183	6.2%	40	1,447,357	333,749	81.3%	28	33,318	22,304	11,014	33.1%	0	1,319	1,319	4.0%	0	0	9,696	23,623	29.1%
119-04	3	264	Franklin	2,017,710	252,479	1,765,231	87.5%	6,227	114,965	121,191	6.0%	80	1,644,040	373,671	81.5%	1,124	65,934	40,140	25,793	39.1%	0	497	497	0.8%	0	0	25,296	40,638	38.4%
86-03	3	191	Somerset	1,814,680	303,354	1,511,326	83.3%	41,177	60,823	102,000	5.6%	80	1,409,326	405,354	77.7%	210	37,936	28,324	9,611	25.3%	0	0	0	0.0%	0	0	9,611	28,324	25.3%
86-04	3	191	Somerset	2,292,526	353,865	1,938,661	84.6%	48,524	75,074	123,599	5.4%	80	1,815,063	477,464	79.2%	16,971	116,755	26,325	90,430	77.5%	25,712	6,729	32,440	27.8%	0	0	57,989	58,765	49.7%
80-06	3	177	Somerset	1,937,269	244,666	1,692,603	87.4%	18,033	99,054	117,087	6.0%	80	1,575,516	361,753	81.3%	2,690	56,579	4,533	52,045	92.0%	1,402	16,440	17,843	31.5%	0	0	34,203	22,376	60.5%
86-05	3	191	Somerset	2,062,345	342,883	1,719,462	83.4%	41,209	66,964	108,173	5.2%	80	1,611,289	451,056	78.1%	7,062	77,393	0	77,393	100.0%	1,248	1,778	3,027	3.9%	0	0	74,366	3,027	96.1%
82-03	3	181	Somerset	1,814,283	229,238	1,585,044	87.4%	2,460	108,945	111,405	6.1%	80	1,473,639	340,644	81.2%	312	37,991	28,493	9,498	25.0%	0	0	0	0.0%	0	0	9,498	28,493	25.0%
81-02	3	180	Somerset	1,944,677	239,787	1,704,890	87.7%	17,422	98,142	115,564	5.9%	80	1,589,327	355,350	81.7%	3,484	58,117	0	58,117	100.0%	0	8,579	8,579	14.8%	0	0	49,538	8,579	85.2%
86-06	3	191	Somerset	1,781,033	269,767	1,511,266	84.9%	6,765	92,522	99,287	5.6%	80	1,411,979	369,055	79.3%	28	33,294	25,436	7,858	23.6%	0	0	0	0.0%	0	0	7,858	25,436	23.6%
29-4	1	63	Somerset	2,210,595	283,850	1,926,745	87.2%	110,614	3,260	113,873	5.2%	40	1,812,872	397,723	82.0%	3,656	93,870	34,696	59,173	63.0%	9,705	0	9,705	10.3%	0	0	49,468	44,401	52.7%
102-05	3	226	Franklin	1,781,032	228,781	1,552,252	87.2%	43,940	66,151	110,091	6.2%	200	1,442,161	338,872	81.0%	28	33,294	22,512	10,783	32.4%	0	0	0	0.0%	0	0	10,783	22,512	32.4%
88-09	3	195	Somerset	1,790,516	230,079	1,560,437	87.2%	0	110,117	110,117	6.2%	40	1,450,320	340,197	81.0%	78	34,600	22,648	11,952	34.5%	0	0	0	0.0%	0	0	11,952	22,648	34.5%
79-01	3	175	Somerset	1,934,789	249,032	1,685,758	87.1%	7,437	109,112	116,549	6.0%	80	1,569,209	365,580	81.1%	741	54,432	38,721	15,711	28.9%	0	0	0	0.0%	0	0	15,711	38,721	28.9%
29-2	1	63	Somerset	2,115,891	272,681	1,843,210	87.1%	113,777	6,230	120,007	5.7%	40	1,723,203	392,688	81.4%	3,383	80,996	19,688	61,307	75.7%	15,092	0	15,092	18.6%	0	0	46,215	34,780	57.1%
86-07	3	191	Somerset	2,473,514	387,115	2,086,399	84.3%	37,554	73,926	111,480	4.5%	80	1,974,919	498,595	79.8%	28,378	154,152	74,668	79,483	51.6%	1,340	13,367	14,707	9.5%	0	0	64,776	89,375	42.0%
PERRON-2	3	320	Androscoggin	2,178,431	283,438	1,894,994	87.0%	60,184	383,982	444,166	20.4%	512,807	1,450,828	727,603	66.6%	9,460	96,853	0	96,853	100.0%	0	0	0	0.0%	0	0	96,853	0	100.0%
86-08	3	190	Somerset	1,781,034	228,099	1,552,935	87.2%	389	109,061	109,450	6.1%	80	1,443,485	337,549	81.0%	28	33,294	24,433	8,861	26.6%	0	0	0	0.0%	0	0	8,861	24,433	26.6%
119-05	3	264	Franklin	1,783,081	232,310	1,550,771	87.0%	6,227	103,757	109,983	6.2%	40	1,440,788	342,293	80.8%	37	33,576	20,080	13,496	40.2%	0	0	0	0.0%	0	0	13,496	20,080	40.2%
88-08	3	194, 195	Somerset	1,803,949	235,036	1,568,913	87.0%	5,965	105,148	111,114	6.2%	80	1,457,799	346,150	80.8%	102	36,414	24,969	11,445	31.4%	0	0	0	0.0%	0	0	11,445	24,969	31.4%
81-03	3	179, 180	Somerset	2,019,938	269,331	1,750,607	86.7%	19,175	104,606	123,781	6.1%	80	1,626,826	393,112	80.5%	4,960	69,423	28,893	40,531	58.4%	9,103	16,560	25,663	37.0%	0	40	14,868	54,556	21.4%
119-01	3	263	Franklin	1,781,034	232,588	1,548,446	86.9%	4,946	104,598	109,544	6.2%	80	1,438,902	342,132	80.8%	28	33,294	23,158	10,137	30.4%	0	3,611	3,611	10.8%	0	0	6,526	26,768	19.6%
86-09	3	190	Somerset	2,014,083	234,367	1,779,716	88.4%	389	115,500	115,889	5.8%	40	1,663,826	350,257	82.6%	6,618	70,125	0	70,125	100.0%	0	7	7	0.0%	0	0	70,119	7	100.0%
86-10	3	190	Somerset	1,910,505	210,462	1,700,042	89.0%	389	110,939	111,329	5.8%	80	1,588,714	321,791	83.2%	2,007	52,272	0	52,272	100.0%	0	0	0	0.0%	0	0	52,272	0	100.0%
82-07	3	180	Somerset	1,908,251	250,270	1,657,980	86.9%	19,376	89,822	109,198	5.7%	40	1,548,782	359,469	81.2%	1,712	52,045	16,102	35,943	69.1%	0	0	0	0.0%	0	0	35,943	16,102	69.1%

Exhibit 7-6 USACE Vernal Pool Table (8/13/2018)

Vernal Pool ID	Segment #	NRM #	COUNTY	Existing Condistion in Vernal Pool Habitat (750')				Proposed Activity in Vernal Pool Habitat (750')					Proposed Post Construction Condition in Vernal Pool Habitat (750')			Existing Conditions in Vernal Pool Depression and 100' Envelope					Proposed Activity in Vernal Pool Depression and 100' Envelope						Proposed Post-Construction Condition in Vernal Pool Depression and 100' Envelope		
				Total VP Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Proposed Percent Additional Clearing	Direct Impact to VP Habitat (sq ft)	Proposed Forested (sq ft)	Proposed Non-Forested (sq ft)	Proposed Percent Forested	Pool Size (sq ft)	Total Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Percent Forested	Pool Depression Direct Impact (sq ft)	Proposed Fill Envelope (sq ft)	Proposed Forested Conditions (sq ft)	Proposed Non-Forested Conditions (sq ft)	Proposed Percent Forested Condition
105-02	3	231	Franklin	1,852,672	243,130	1,609,541	86.9%	22,172	89,309	111,481	6.0%	40	1,498,060	354,612	80.9%	265	43,052	8	43,043	100.0%	4,718	6,976	11,694	27.2%	0	25	31,350	11,702	72.8%
88-07	3	194, 195	Somerset	1,781,027	233,731	1,547,296	86.9%	11,319	97,877	109,196	6.1%	80	1,438,100	342,927	80.7%	28	33,294	21,364	11,930	35.8%	0	0	0	0.0%	0	0	11,930	21,364	35.8%
123-04	3	273	Androscoggin	1,814,283	800,397	1,013,885	55.9%	31,314	7,274	38,588	2.1%	80	975,297	838,985	53.8%	312	37,991	28,079	9,912	26.1%	5,318	0	5,318	14.0%	0	0	4,594	33,397	12.1%
117-03	3	258, 259	Franklin	1,921,065	252,895	1,668,170	86.8%	36,597	78,449	115,046	6.0%	80	1,553,124	367,941	80.8%	1,704	53,618	33,501	20,117	37.5%	55	748	803	1.5%	0	0	19,314	34,304	36.0%
102-01	3	226	Franklin	1,781,032	235,025	1,546,007	86.8%	29,048	74,789	103,837	5.8%	40	1,442,170	338,862	81.0%	28	33,294	23,396	9,898	29.7%	0	0	0	0.0%	0	0	9,898	23,396	29.7%
222-01	2	135	Somerset	1,909,375	252,419	1,656,957	86.8%	15,634	100,443	116,078	6.1%	80	1,540,879	368,497	80.7%	1,058	51,560	25,760	25,800	50.0%	1,648	14,968	16,616	32.2%	0	0	9,184	42,376	17.8%
86-11	3	191	Somerset	1,796,186	287,106	1,509,080	84.0%	55,022	53,696	108,718	6.1%	80	1,400,362	395,823	78.0%	78	35,374	25,099	10,276	29.0%	0	0	0	0.0%	0	0	10,276	25,099	29.0%
131-04A	3	290	Androscoggin	1,781,031	493,774	1,287,256	72.3%	18,373	90,079	108,451	6.1%	40	1,178,805	602,226	66.2%	28	33,294	31,594	1,700	5.1%	0	0	0	0.0%	0	0	1,700	31,594	5.1%
131-04B	3	291	Androscoggin	1,984,068	569,980	1,414,089	71.3%	45,528	63,791	109,319	5.5%	200	1,304,769	679,299	65.8%	3,642	63,777	52,307	11,471	18.0%	0	0	0	0.0%	0	0	11,471	52,307	18.0%
104-01	3	229	Franklin	1,781,032	238,075	1,542,956	86.6%	11,718	76,084	87,801	4.9%	40	1,455,155	325,877	81.7%	28	33,294	26,234	7,060	21.2%	0	11	11	0.0%	0	0	7,049	26,245	21.2%
222-11	2	135	Somerset	1,837,811	245,975	1,591,836	86.6%	15,634	96,911	112,545	6.1%	80	1,479,291	358,520	80.5%	390	41,175	28,989	12,186	29.6%	1,545	4,763	6,308	15.3%	0	0	5,879	35,297	14.3%
222-10	2	135	Somerset	1,814,183	242,846	1,571,336	86.6%	15,634	96,850	112,484	6.2%	80	1,458,853	355,330	80.4%	127	37,800	2,646	35,154	93.0%	1,648	10,207	11,855	31.4%	0	0	23,299	14,501	61.6%
79-02	3	174	Somerset	1,781,032	238,733	1,542,299	86.6%	55,518	50,286	105,804	5.9%	40	1,436,495	344,538	80.7%	28	33,294	26,055	7,239	21.7%	0	0	0	0.0%	0	0	7,239	26,055	21.7%
88-01	3	194	Somerset	1,781,033	238,735	1,542,298	86.6%	10,750	98,512	109,262	6.1%	80	1,433,036	347,997	80.5%	28	33,294	25,353	7,941	23.9%	0	0	0	0.0%	0	0	7,941	25,353	23.9%
80-02	3	177, 178	Somerset	1,781,032	239,333	1,541,699	86.6%	10,333	101,592	111,925	6.3%	40	1,429,774	351,258	80.3%	28	33,294	25,537	7,757	23.3%	1,450	3,447	4,898	14.7%	0	0	2,859	30,435	8.6%
102-06	3	226	Franklin	1,801,880	242,348	1,559,533	86.6%	43,940	67,067	111,007	6.2%	200	1,448,526	353,354	80.4%	130	36,162	24,035	12,127	33.5%	0	0	0	0.0%	0	0	12,127	24,035	33.5%
86-12	3	191	Somerset	1,814,371	297,029	1,517,342	83.6%	50,093	54,759	104,852	5.8%	80	1,412,490	401,881	77.9%	264	37,941	26,121	11,821	31.2%	0	0	0	0.0%	0	0	11,821	26,121	31.2%
142-01	3	315	Androscoggin	1,781,034	429,504	1,351,530	75.9%	50,187	55,279	105,465	5.9%	40	1,246,065	534,969	70.0%	28	33,294	33,276	18	0.1%	0	0	0	0.0%	0	0	18	33,276	0.1%
5-2	1	13	Franklin	1,774,572	239,921	1,534,652	86.5%	7,113	96,683	103,796	5.8%	80	1,430,855	343,717	80.6%	8	32,437	22,051	10,386	32.0%	4	1	4	0.0%	0	0	10,382	22,055	32.0%
12-4	1	29, 30	Somerset	1,774,581	242,234	1,532,347	86.3%	2,490	106,248	108,738	6.1%	80	1,423,609	350,972	80.2%	8	32,437	27,404	5,033	15.5%	84	411	495	1.5%	0	0	4,538	27,899	14.0%
68-02	2	150, 151	Somerset	1,790,517	244,628	1,545,888	86.3%	37,439	60,548	97,987	5.5%	40	1,447,901	342,616	80.9%	78	34,600	24,143	10,457	30.2%	3,703	6,424	10,127	29.3%	0	0	330	34,270	1.0%
142-02	3	315	Androscoggin	1,781,033	428,876	1,352,157	75.9%	52,312	53,511	105,823	5.9%	40	1,246,334	534,698	70.0%	28	33,294	32,429	865	2.6%	29	0	29	0.1%	0	0	837	32,458	2.5%
88-06	3	194	Somerset	1,956,954	268,737	1,688,217	86.3%	26,007	88,261	114,268	5.8%	80	1,573,949	383,004	80.4%	190	56,875	39,366	17,509	30.8%	0	0	0	0.0%	0	0	17,509	39,366	30.8%
80-03	3	177	Somerset	1,986,193	273,589	1,712,604	86.2%	23,353	94,044	117,397	5.9%	40	1,595,207	390,986	80.3%	4,547	65,110	23,318	41,791	64.2%	11,738	9,265	21,003	32.3%	0	40	20,789	44,321	31.9%
88-02	3	194	Somerset	1,927,373	265,768	1,661,605	86.2%	29,453	81,017	110,470	5.7%	40	1,551,135	376,238	80.5%	2,808	55,213	34,575	20,638	37.4%	0	0	0	0.0%	0	0	20,638	34,575	37.4%
68-03	2	150	Somerset	1,790,514	247,400	1,543,114	86.2%	43,239	51,031	94,270	5.3%	80	1,448,844	341,670	80.9%	78	34,600	24,248	10,352	29.9%	4,735	4,992	9,727	28.1%	0	0	625	33,975	1.8%
12-1	1	30	Somerset	1,842,075	257,142	1,584,933	86.0%	47,755	103,594	151,349	8.2%	80	1,433,584	408,491	77.8%	434	41,784	0	41,784	100.0%	1,667	12,914	14,581	34.9%	0	0	27,202	14,581	65.1%
79-04	3	174	Somerset	1,783,416	250,398	1,533,018	86.0%	55,518	50,220	105,738	5.9%	80	1,427,280	356,136	80.0%	38	33,619	26,919	6,700	19.9%	0	0	0	0.0%	0	0	6,700	26,919	19.9%
10-4	1	24	Franklin	1,775,652	251,391	1,524,261	85.8%	17,542	101,195	118,737	6.7%	80	1,405,524	370,128	79.2%	2	32,548	0	32,548	100.0%	1,641	4,867	6,508	20.0%	0	0	26,040	6,508	80.0%
88-04	3	194	Somerset	1,781,033	252,509	1,528,524	85.8%	26,007	79,396	105,403	5.9%	80	1,423,121	357,912	79.9%	28	33,294	25,166	8,128	24.4%	0	0	0	0.0%	0	0	8,128	25,166	24.4%
107-01	3	236	Franklin	1,802,384	255,807	1,546,577	85.8%	29,892	71,374	101,266	5.6%	80	1,445,311	357,073	80.2%	176	36,285	16,179	20,106	55.4%	0	0	0	0.0%	0	0	20,106	16,179	55.4%
88-03	3	194	Somerset	1,781,032	253,362	1,527,669	85.8%	26,007	79,425	105,432	5.9%	80	1,422,237	358,794	79.9%	28	33,294	25,486	7,808	23.5%	0	0	0	0.0%	0	0	7,808	25,486	23.5%
83-01	3	183	Somerset	1,851,522	528,909	1,322,613	71.4%	28,608	80,897	109,505	5.9%	80	1,213,108	638,414	65.5%	662	43,240	39,888	3,352	7.8%	105	123	228	0.5%	0	0	3,124	40,116	7.2%
79-05	3	174	Somerset	1,790,515	258,004	1,532,511	85.6%	43,725	62,388	106,113	5.9%	40	1,426,398	364,117	79.7%	78	34,600	26,605	7,995	23.1%	0	0	0	0.0%	0	0	7,995	26,605	23.1%
79-06	3	174	Somerset	1,781,028	258,020	1,523,008	85.5%	28,466	80,091	108,557	6.1%	40	1,414,451	366,577	79.4%	28	33,294	31,202	2,093	6.3%	0	0	0	0.0%	0	0	2,093	31,202	6.3%
142-03	3	315	Androscoggin	1,781,032	426,672	1,354,360	76.0%	52,333	54,284	106,617	6.0%	40	1,247,743	533,289	70.1%	28	33,294	27,969	5,325	16.0%	3,470	0	3,470	10.4%	0	0	1,855	31,439	5.6%
96-05	3	213	Somerset	1,802,381	298,540	1,503,841	83.4%	12,252	88,023	100,275	5.6%	40	1,403,566	398,815	77.9%	176	36,285	0	36,285	100.0%	0	3,918	3,918	10.8%	0	0	32,367	3,918	89.2%
102-07	3	226	Franklin	1,781,947	260,489	1,521,458	85.4%	43,940	66,569	110,509	6.2%	171	1,410,949	370,998	79.2%	24	33,405	23,662	9,742	29.2%	0	0	0	0.0%	0	0	9,742	23,662	29.2%
83-02	3	183	Somerset	2,237,447	604,695	1,632,752	73.0%	30,042	87,512	117,554	5.3%	80	1,515,198	722,249	67.7%	14,556	111,546	11,549	99,997	89.6%	2,188	7,132	9,320	8.4%	0	0	90,677	20,869	81.3%
83-03	3	183	Somerset	1,847,252	277,156	1,570,096	85.0%	33,531	79,661	113,193	6.1%	40	1,456,903	390,349	78.9%	561	42,583	0	42,583	100.0%	5,186	5,088	10,275	24.1%	0	0	32,308	10,275	75.9%
86-13	3	189, 190	Somerset	1,835,292	247,487	1,587,805	86.5%	38,257	62,626	100,883	5.5%	80	1,486,922	348,370	81.0%	415	40,861	8,292	32,569	79.7%	0	0	0	0.0%	0	0	32,569	8,292	79.7%
136-01	3	301	Androscoggin	2,503,748	377,854	2,125,895	84.9%	40,875	101,139	142,014	5.7%	80	1,983,881	519,867	79.2%	35,243	161,664	14,649	147,014	90.9%	17,669	15,702	33,372	20.6%	0	0	113,643	48,021	70.3%
87-01	3	191, 192	Somerset	1,816,627	284,569	1,532,057	84.3%	63,735	46,593	110,328	6.1%	40	1,421,729	394,897	78.3%	145	38,144	25,927	12,216	32.0%	0	0	0	0.0%	0	0	12,216	25,927	32.0%
102-08	3	226	Franklin	1,801,709	273,018	1,528,692	84.8%	43,940	67,221	111,161	6.2%	160	1,417,530	384,179	78.7%	102	36,113	25,435	10,678	29.6%	0	0	0	0.0%	0	0	10,678	25,435	29.6%
142-04	3	315, 316	Androscoggin	1,781,033	386,918	1,394,116	78.3%	59,737	46,292	106,029	6.0%	80	1,288,087	492,947	72.3%	28	33,294	32,904	390	1.2%	0	0	0	0.0%	0	0	390	32,904	1.2%
77-03	3	170	Somerset	2,054,251	315,511	1,738,740	84.6%	99	97,972	98,071	4.8%	80	1,640,670	413,582	79.9%	7,450	76,637	3,392	73,245	95.6%	0	2,522	2,522	3.3%	0	0	70,723	5,914	92.3%
82-06	3	182, 183	Somerset	1,866,780	287,500	1,579,281	84.6%	38,725	75,856	114,581	6.1%	40	1,464,700	402,081	78.5%	914	45,491	27,499	17,992	39.6%	11,324	2,590	13,914	30.6%	0	0	4,079	41,413	9.0%
87-02	3	191, 192	Somerset	1,864,674	279,990	1,584,684	85.0%	57,480	55,585	113,066	6.1%	69	1,471,619	393,055	78.9%	255	44,641	28,712	15,929	35.7%	0	0	0	0.0%	0	0	15,929	28,712	35.7%
109-01	3	240, 241	Franklin	1,888,027	291,550	1,596,478	84.6%	5,467	108,595	114,062	6.0%	80	1,482,415	405,612	78.5%	1,232	48,600	43,941	4,659	9.6%	0	0	0	0.0%	0	0	4,659	43,941	9.6%
102-09	3	226	Franklin	1,815,473	280,697	1,534,776	84.5%	43,940	68,096	112,036	6.2%	160	1,422,741	392,733	78.4%	129	37,969	28,084	9,885	26.0%	0	0	0	0.0%	0	0	9,885	28,084	26.0%
109-02	3	240, 241	Franklin	1,802,386	280,242	1,522,144	84.5%	5,467	99,826	105,293	5.8%	80	1,416,851	385,535	78.6%	176	36,286	13,755	22,531	62.1%	0	0	0	0.0%	0	0	22,531	13,755	62.1%
87-03	3	192	Somerset	1,781,031	240,711	1,540,320	86.5%	24,851	87,692	112,543	6.3%	40	1,427,778	353,254	80.2%	28	33,294	19,873	13,421	40.3%	0	12,165	12,165	36.5%	0	40	1,257	32,038	3.8%
87-04	3	192	Somerset	1,935,050	242,527	1,692,523	87.5%	4,628	110,813	115,441	6.0%	80	1,577,083	357,967	81.5%	2,692	56,563	0	56,563	100.0%	0	9,893	9,893	17.5%	0	0	46,669	9,893	82.5%
119-03	3	264	Franklin	1,922,030	302,789	1,619,240	84.2%	6,227	112,422	118,649	6.2%	80	1,500,592	421,438	78.1%	1,803	53,765	380	53,385	99.3%	2,980	14,513	17,494	32.5%	0	0	35,891	17,873	66.8%
10-5	1	23, 24	Franklin	1,836,489	290,376	1,546,113	84.2%	17,542	85,378	102,920	5.6%	40	1,443,193	393,296	78.6%	479	41,077	21,003	20,074	48.9%	3,575	5,503	9,079	22.1%	0	0	10,995	30,081	26.8%
140-04	3	311	Androscoggin	2,236,944	356,356	1,880,587	84.1%	38,242	87,362	125,604	5.6%	80	1,754,983	481,960	78.5%	16,947	110,878	19,604	91,274	82.3%	9,665	15,658	25,323	22.8%	0	40	65,951	44,927	59.5%
87-05	3	193	Somerset	1,851,640	238,867	1,612,772	87.1%	10,619	105,336	115,955	6.3%	80	1,496,817	354,822	80.8%	262	42,914	26,244	16,670	38.8%	2,046	12,518	14,565	33.9%	0	0	2,106	40,809	4.9%
12-3	1	30	Somerset	1,774,576	284,437	1,490,139	84.0%	42,586	84,362	126,948	7.2%	80	1,363,191	411,385	76.8%	8	32,437	0	32,437	100.0%	0	961	961	3.0%	0	0	31,476	961	97.0%
82-05	3	182, 183	Somerset	1,781,031	286,269	1,494,763	83.9%	41,234	71,437	112,671	6.3%	40	1,382,092	398,939	77.6%	28	33,294	17,281	16,013	48.1%	9,799	3,363	13,161	39.5%	0	0	2,852	30,442	8.6%
137-07	3	303	Androscoggin	1,894,434	306,740	1,587,694	83.8%	7,974	105,727	113,700	6.0%	80	1,473,994	420,441	77.8%	1,036	49,283	0	49,283	100.0%	5,924	7,220	13,145	26.7%	0	0	36,139	13,145	73.3%
7-1	1	18	Franklin	1,818,138	295,961	1,522,176	83.7%	11,327	114,338	125,666	6.9%	40	1,396,510	421,627	76.8%	198	38,387	0	38,387	100.0%	2,079	1,821	3,900	10.2%	0	0	34,487	3,900	89.8%
137-05	3	304	Androscoggin	1,949,047	317,999	1,631,048	83.7%	3,289	109,637	112,927	5.8%	80	1,518,121	430,926	77.9%	284	55,906	33,193	22,713	40.6%	2,337	12,152	14,489	25.9%	0	0	8,223	47,682	14.7%
87-06	3	193	Somerset	1,781,034	232,860	1,548,174	86.9%	11,639	100,654	112,293	6.3%	80	1,435,881	345,153	80.6%	28	33,294	23,303	9,991	30.0%	83	8,541	8,624	25.9%	0	0	1,368	31,926	4.1%
97-01	3	215	Somerset	1,844,948	334,697	1,510,251	81.9%	23,955	86,822	110,776	6.0%	200	1,399,475	445,473	75.9%	536	42,254	30,063	12,191	28.9%	946	10,496	11,442	27.1%	0	0	749	41,505	1.8%
136-02	3	301, 302	Androscoggin	1,976,000	327,087	1,648,914	83.4%	8,998	110,327	119,325	6.0%	80	1,529,589	446,412	77.4%	3,957	62,704	41,598	21,106	33.7%	1,280	13,963	15,242	24.3%	0	0	5,864	56,840	9.4%
97-02	3	215	Somerset	1,823,877	332,831	1,491,047	81.8%	24,863	84,691	109,554	6.0%	200	1,381,493	442,385	75.7%	223	39,174	27,282	11,891	30.4%	2,352	8,931	11,283	28.8%	0	0	608	38,565	1.6%
83-04	3	183	Somerset	2,061,972	857,790	1,204,182	58.4%	16,848	85,228	102,076	5.0%	80	1,102,106	959,866	53.4%	6,104	77,101	50,707	26,394	34.2%	0	0	0	0.0%	0	0	26,394	50,707	34.2%
87-07	3	193, 194	Somerset	1,857,843	234,248	1,623,595	87.4%	13,276	95,820	109,095	5.9%	40	1,514,500	343,343	81.5%	661	44,080	6,284	37,796	85.7%	0	0	0	0.0%	0	0	37,796	6,284	85.7%
137-04	3	303	Androscoggin	1,792,985	298,155	1,494,830	83.4%	7,974	104,286	112,260	6.3%	80	1,382,570	410,415	77.1%	67	34,939	0	34,939	100.0%	1,633	1,316	2,949	8.4%	0	0	31,990	2,949	91.6%
137-03	3	303	Androscoggin	1,799,972	300,823	1,499,149	83.3%	7,973	105,043	113,016	6.3%	80	1,386,133	413,839	77.0%	43	35,830	0	35,830	100.0%	111	4,576	4,687	13.1%	0	0	31,143	4,687	86.9%
87-08	3	193	Somerset	1,781,032	232,797	1,548,234	86.9%	13,543	98,315	111,857	6.3%	80	1,436,377	344,655	80.6%	28	33,294	26,894	6,400	19.2%	1,058	3,288	4,346	13.1%	0	0	2,054	31,240	6.2%
94-01	3	208	Somerset	1,806,481	602,979	1,203,503	66.6%	28,953	65,466	94,419	5.2%	40	1,109,084	697,398	61.4%	94	36,743	19,527	17,216	46.9%	0	0	0	0.0%	0	0	17,216	19,527	46.9%
18-1	1	42	Somerset	1,847,408	311,060	1,536,347	83.2%	0	136,622	136,622	7.4%	40	1,399,725	447,682	75.8%	427	42,675	41,873	802	1.9%	0	802	802	1.9%	0	0	0	42,675	0.0%
142-05	3	315, 316	Androscoggin	1,781,034	366,290	1,414,744	79.4%	71,303	39,540	110,843	6.2%	70	1,303,901	477,134	73.2%	28	33,294	32,945	349	1.0%	0	0	0	0.0%	0	0	349	32,945	1.0%
87-09	3	193, 194	Somerset	1,825,983	230,646	1,595,337	87.4%	13,461	95,765	109,225	6.0%	40	1,486,111	339,872	81.4%	185	39,423	18,328	21,095	53.5%	0	0	0	0.0%	0	0	21,095	18,328	53.5%
97-03	3	215	Somerset	1,781,033	327,552	1,453,481	81.6%	23,951	84,364	108,315	6.1%	200	1,345,166	435,867	75.5%	28	33,294	20,036	13,258	39.8%	5,068	7,196	12,264	36.8%	0	0	994	32,300	3.0%
136-08	3	302, 303	Androscoggin	1,843,404	316,314	1,527,091	82.8%	10,690	97,801	108,491	5.9%	40	1,418,599	424,805	77.0%	462	41,984	23,845	18,140	43.2%	0	0	0	0.0%	0	0	18,140	23,845	43.2%
143-02	3	316, 317	Androscoggin	1,781,035	527,344	1,253,691	70.4%	21,201	83,447	104,648	5.9%	40	1,149,043	631,992	64.5%	28	33,294	21,863	11,431	34.3%	0	0	0	0.0%	0	0	11,431	21,863	34.3%
99-01	3	218	Somerset	1,781,034	306,339	1,474,695	82.8%	0	110,039	110,039	6.2%	80	1,364,656	416,378	76.6%	28	33,294	20,505	12,789	38.4%	0	0	0	0.0%	0	0	12,789	20,505	38.4%

Exhibit 7-6 USACE Vernal Pool Table (8/13/2018)

Vernal Pool ID	Segment #	NRM #	COUNTY	Existing Condistion in Vernal Pool Habitat (750')				Proposed Activity in Vernal Pool Habitat (750')					Proposed Post Construction Condition in Vernal Pool Habitat (750')			Existing Conditions in Vernal Pool Depression and 100' Envelope					Proposed Activity in Vernal Pool Depression and 100' Envelope						Proposed Post-Construction Condition in Vernal Pool Depression and 100' Envelope		
				Total VP Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Proposed Percent Additional Clearing	Direct Impact to VP Habitat (sq ft)	Proposed Forested (sq ft)	Proposed Non-Forested (sq ft)	Proposed Percent Forested	Pool Size (sq ft)	Total Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Percent Forested	Pool Depression Direct Impact (sq ft)	Proposed Fill Envelope (sq ft)	Proposed Forested Conditions (sq ft)	Proposed Non-Forested Conditions (sq ft)	Proposed Percent Forested Condition
137-01	3	302, 303	Androscoggin	1,899,692	327,133	1,572,559	82.8%	9,893	108,656	118,548	6.2%	40	1,454,010	445,682	76.5%	421	49,459	25,031	24,427	49.4%	8	18,571	18,579	37.6%	0	0	5,849	43,610	11.8%
129-08	3	287	Androscoggin	1,790,519	308,515	1,482,003	82.8%	35,881	76,896	112,777	6.3%	40	1,369,227	421,292	76.5%	78	34,600	18,616	15,984	46.2%	7,304	4,248	11,552	33.4%	0	0	4,433	30,168	12.8%
140-11	3	311	Androscoggin	1,976,671	342,338	1,634,334	82.7%	79,125	37,822	116,948	5.9%	160	1,517,386	459,285	76.8%	3,486	62,551	5,093	57,458	91.9%	15,050	0	15,050	24.1%	0	0	42,408	20,143	67.8%
129-07	3	287	Androscoggin	1,795,268	311,216	1,484,053	82.7%	34,762	77,427	112,189	6.2%	40	1,371,864	423,404	76.4%	112	35,262	27,688	7,574	21.5%	3,589	378	3,967	11.3%	0	0	3,607	31,655	10.2%
222-04	2	127	Somerset	1,811,267	314,498	1,496,769	82.6%	26,890	83,687	110,577	6.1%	120	1,386,192	425,075	76.5%	102	37,386	0	37,386	100.0%	5,010	802	5,813	15.5%	0	0	31,573	5,813	84.5%
222-02	2	127	Somerset	1,799,112	312,499	1,486,613	82.6%	26,890	83,153	110,043	6.1%	120	1,376,570	422,542	76.5%	69	35,738	0	35,738	100.0%	4,271	2,554	6,825	19.1%	0	0	28,913	6,825	80.9%
129-09	3	287	Androscoggin	1,781,032	309,443	1,471,589	82.6%	33,516	76,529	110,045	6.2%	40	1,361,544	419,488	76.4%	28	33,294	32,841	453	1.4%	0	0	0	0.0%	0	0	453	32,841	1.4%
103-02	3	227, 228	Franklin	1,900,958	331,588	1,569,370	82.6%	15,220	98,417	113,636	6.0%	80	1,455,733	445,225	76.6%	959	50,463	18,610	31,852	63.1%	7,031	10,288	17,319	34.3%	0	0	14,533	35,930	28.8%
137-02	3	303	Androscoggin	1,781,033	313,034	1,467,999	82.4%	7,078	105,625	112,703	6.3%	80	1,355,296	425,736	76.1%	28	33,294	15,200	18,094	54.3%	0	13,480	13,480	40.5%	0	0	4,614	28,680	13.9%
222-12	2	127	Somerset	1,788,467	314,988	1,473,480	82.4%	26,890	82,853	109,743	6.1%	120	1,363,737	424,731	76.3%	18	34,270	0	34,270	100.0%	5,190	1,266	6,456	18.8%	0	0	27,813	6,456	81.2%
136-04	3	302	Androscoggin	2,006,829	353,884	1,652,944	82.4%	8,954	100,268	109,222	5.4%	200	1,543,722	463,107	76.9%	4,345	67,528	40,658	26,870	39.8%	0	0	0	0.0%	0	0	26,870	40,658	39.8%
75-104	3	166, 167	Somerset	2,062,286	364,151	1,698,136	82.3%	0	101,976	101,976	4.9%	40	1,596,160	466,126	77.4%	7,238	77,041	50,369	26,672	34.6%	0	29	29	0.0%	0	0	26,642	50,398	34.6%
133-04	3	295	Androscoggin	2,083,692	368,402	1,715,290	82.3%	30,449	84,286	114,735	5.5%	80	1,600,555	483,137	76.8%	4,993	78,526	72,171	6,355	8.1%	0	1	1	0.0%	0	0	6,354	72,172	8.1%
140-05	3	311	Androscoggin	2,006,262	354,920	1,651,342	82.3%	44,664	75,487	120,150	6.0%	80	1,531,192	475,070	76.3%	4,932	67,572	47,325	20,247	30.0%	4,549	12,696	17,244	25.5%	0	40	3,002	64,569	4.4%
117-07	3	260	Franklin	1,872,564	331,558	1,541,006	82.3%	27,414	84,574	111,989	6.0%	80	1,429,018	443,547	76.3%	996	46,338	13,337	33,001	71.2%	9,977	6,930	16,907	36.5%	0	0	16,094	30,243	34.7%
222-03	2	127	Somerset	1,779,675	315,612	1,464,063	82.3%	26,890	82,397	109,287	6.1%	120	1,354,776	424,899	76.1%	11	33,090	0	33,090	100.0%	5,750	747	6,497	19.6%	0	0	26,593	6,497	80.4%
35-2	1	80	Somerset	1,790,213	319,297	1,470,916	82.2%	22,716	28,772	51,488	2.9%	40	1,419,428	370,785	79.3%	36	34,517	22,221	12,296	35.6%	0	0	0	0.0%	0	0	12,296	22,221	35.6%
125-04	3	276, 277	Androscoggin	1,923,061	343,046	1,580,015	82.2%	6,231	113,438	119,669	6.2%	80	1,460,346	462,715	75.9%	1,177	53,271	11,634	41,637	78.2%	1,167	20,574	21,741	40.8%	0	0	19,896	33,375	37.3%
140-06	3	311	Androscoggin	1,913,732	344,434	1,569,297	82.0%	66,161	52,063	118,223	6.2%	200	1,451,074	462,658	75.8%	2,061	52,746	11,081	41,665	79.0%	10,581	9,438	20,019	38.0%	0	0	21,646	31,100	41.0%
135-05	3	299	Androscoggin	1,902,599	344,509	1,558,090	81.9%	25,790	91,628	117,418	6.2%	40	1,440,672	461,927	75.7%	1,519	51,119	10,255	40,864	79.9%	12,001	7,309	19,310	37.8%	0	40	21,554	29,565	42.2%
97-04	3	215	Somerset	1,840,572	335,249	1,505,323	81.8%	23,951	86,931	110,882	6.0%	200	1,394,442	446,131	75.8%	225	41,405	30,198	11,207	27.1%	4,532	5,928	10,460	25.3%	0	0	746	40,659	1.8%
135-04	3	299	Androscoggin	1,870,882	340,209	1,530,673	81.8%	28,125	87,031	115,155	6.2%	40	1,415,517	455,364	75.7%	762	45,995	32,238	13,756	29.9%	2,738	5,833	8,571	18.6%	0	0	5,185	40,809	11.3%
130-01	3	287	Androscoggin	1,882,113	342,482	1,539,631	81.8%	70,844	44,700	115,544	6.1%	200	1,424,087	458,026	75.7%	732	47,381	46,845	536	1.1%	0	0	0	0.0%	0	0	536	46,845	1.1%
97-05	3	215	Somerset	2,007,019	304,522	1,702,496	84.8%	31,772	86,467	118,239	5.9%	160	1,584,257	422,761	78.9%	3,466	68,287	3,871	64,416	94.3%	3,996	16,860	20,856	30.5%	0	160	43,559	24,728	63.8%
89-01	3	196	Somerset	1,835,162	334,446	1,500,716	81.8%	1,804	99,429	101,234	5.5%	53	1,399,482	435,679	76.3%	239	40,691	12,611	28,080	69.0%	0	0	0	0.0%	0	0	28,080	12,611	69.0%
29-1	1	64	Somerset	1,795,049	327,455	1,467,594	81.8%	18,080	55,574	73,654	4.1%	40	1,393,939	401,109	77.7%	44	35,170	21,555	13,615	38.7%	6,140	3,221	9,361	26.6%	0	0	4,254	30,916	12.1%
97-07	3	215, 216	Somerset	1,911,913	234,286	1,677,627	87.7%	21,222	95,608	116,830	6.1%	200	1,560,797	351,115	81.6%	1,270	51,928	0	51,928	100.0%	713	1,438	2,151	4.1%	0	0	49,777	2,151	95.9%
136-03	3	302	Androscoggin	1,922,704	352,873	1,569,831	81.6%	9,394	103,356	112,750	5.9%	200	1,457,081	465,623	75.8%	1,203	53,197	51,849	1,349	2.5%	0	0	0	0.0%	0	0	1,349	51,849	2.5%
97-08	3	215, 216	Somerset	1,785,772	234,384	1,551,388	86.9%	18,842	93,935	112,777	6.3%	40	1,438,611	347,160	80.6%	50	33,945	19,526	14,418	42.5%	1,400	11,537	12,938	38.1%	0	40	1,481	32,464	4.4%
97-09	3	216	Somerset	1,790,515	522,748	1,267,767	70.8%	19,206	89,578	108,784	6.1%	80	1,158,983	631,532	64.7%	78	34,600	23,726	10,874	31.4%	2,443	7,790	10,233	29.6%	0	0	641	33,959	1.9%
133-03	3	295	Androscoggin	1,892,866	348,808	1,544,058	81.6%	32,991	72,189	105,180	5.6%	80	1,438,877	453,988	76.0%	1,603	49,568	47,158	2,410	4.9%	0	0	0	0.0%	0	0	2,410	47,158	4.9%
99-08	3	219, 220	Somerset	2,009,852	370,920	1,638,932	81.5%	5,560	96,927	102,487	5.1%	320	1,536,444	473,408	76.4%	1,470	65,228	30,408	34,820	53.4%	0	1,214	1,214	1.9%	0	0	33,605	31,622	51.5%
136-07	3	302	Androscoggin	1,834,870	339,803	1,495,066	81.5%	14,524	92,237	106,761	5.8%	200	1,388,306	446,564	75.7%	482	40,866	37,629	3,236	7.9%	0	0	0	0.0%	0	0	3,236	37,629	7.9%
136-05	3	302	Androscoggin	1,854,678	343,906	1,510,772	81.5%	14,675	91,302	105,977	5.7%	200	1,404,795	449,883	75.7%	802	43,781	36,669	7,112	16.2%	0	0	0	0.0%	0	0	7,112	36,669	16.2%
136-06	3	302	Androscoggin	1,916,579	356,481	1,560,098	81.4%	14,682	96,686	111,368	5.8%	200	1,448,730	467,849	75.6%	1,578	52,708	50,267	2,441	4.6%	0	0	0	0.0%	0	0	2,441	50,267	4.6%
140-07	3	311	Androscoggin	1,790,517	337,320	1,453,197	81.2%	72,696	40,221	112,916	6.3%	200	1,340,281	450,237	74.9%	78	34,600	19,227	15,373	44.4%	10,855	2,179	13,035	37.7%	0	0	2,339	32,262	6.8%
140-12	3	311	Androscoggin	1,924,492	362,645	1,561,847	81.2%	78,952	40,214	119,166	6.2%	160	1,442,681	481,811	75.0%	1,554	53,741	31,987	21,754	40.5%	19,007	285	19,292	35.9%	0	160	2,462	51,279	4.6%
140-08	3	311	Androscoggin	1,790,517	339,994	1,450,523	81.0%	81,176	31,629	112,805	6.3%	200	1,337,719	452,799	74.7%	78	34,600	20,376	14,224	41.1%	10,750	1,737	12,487	36.1%	0	0	1,737	32,864	5.0%
140-09	3	311	Androscoggin	1,790,513	340,935	1,449,578	81.0%	81,110	31,620	112,730	6.3%	200	1,336,848	453,665	74.7%	78	34,600	21,675	12,925	37.4%	11,341	336	11,676	33.7%	0	0	1,249	33,351	3.6%
143-03	3	317	Androscoggin	1,912,481	489,562	1,422,919	74.4%	31,049	85,210	116,259	6.1%	80	1,306,660	605,821	68.3%	1,657	52,230	6,763	45,467	87.1%	9,686	8,604	18,290	35.0%	0	0	27,177	25,053	52.0%
143-01	3	316	Androscoggin	1,781,033	340,133	1,440,900	80.9%	87,627	19,298	106,925	6.0%	40	1,333,974	447,058	74.9%	28	33,294	32,246	1,048	3.1%	0	0	0	0.0%	0	0	1,048	32,246	3.1%
141-03	3	311, 312	Androscoggin	1,838,190	351,545	1,486,645	80.9%	50,371	63,815	114,186	6.2%	200	1,372,459	465,732	74.7%	703	41,519	26,849	14,670	35.3%	1,811	11,477	13,288	32.0%	0	0	1,382	40,137	3.3%
140-10	3	311	Androscoggin	1,781,033	341,155	1,439,877	80.8%	78,615	31,629	110,244	6.2%	200	1,329,634	451,399	74.7%	28	33,294	33,280	14	0.0%	0	0	0	0.0%	0	0	14	33,280	0.0%
141-02	3	311, 312	Androscoggin	1,802,384	347,563	1,454,820	80.7%	60,189	52,637	112,825	6.3%	160	1,341,995	460,389	74.5%	176	36,286	27,513	8,773	24.2%	8,110	485	8,595	23.7%	0	0	178	36,107	0.5%
99-03	3	219	Somerset	1,910,523	368,550	1,541,973	80.7%	10,874	105,228	116,102	6.1%	80	1,425,870	484,653	74.6%	785	51,214	28,899	22,315	43.6%	10,575	7,657	18,232	35.6%	0	0	4,082	47,132	8.0%
83-05	3	183, 184	Somerset	1,832,236	672,018	1,160,218	63.3%	7,443	89,451	96,894	5.3%	40	1,063,324	768,912	58.0%	228	40,295	21,293	19,002	47.2%	0	0	0	0.0%	0	0	19,002	21,293	47.2%
77-01	3	171	Somerset	2,242,757	433,387	1,809,370	80.7%	21,197	86,446	107,643	4.8%	80	1,701,727	541,030	75.9%	16,759	111,590	57,809	53,781	48.2%	0	0	0	0.0%	0	0	53,781	57,809	48.2%
140-13	3	311	Androscoggin	1,781,034	344,356	1,436,678	80.7%	78,952	33,037	111,988	6.3%	160	1,324,689	456,344	74.4%	28	33,294	26,876	6,418	19.3%	5,951	0	5,951	17.9%	0	0	467	32,827	1.4%
141-01	3	311	Androscoggin	1,778,640	343,911	1,434,729	80.7%	75,870	36,345	112,215	6.3%	160	1,322,513	456,127	74.4%	20	32,973	23,622	9,352	28.4%	9,165	0	9,165	27.8%	0	160	187	32,786	0.6%
83-06	3	184	Somerset	1,840,665	264,718	1,575,947	85.6%	12,098	92,355	104,453	5.7%	57	1,471,494	369,171	79.9%	459	41,617	6,371	35,246	84.7%	0	4,736	4,736	11.4%	0	0	30,510	11,108	73.3%
140-02	3	309, 310	Androscoggin	1,870,935	365,206	1,505,729	80.5%	8,483	107,033	115,516	6.2%	80	1,390,213	480,722	74.3%	1,026	46,144	9,878	36,266	78.6%	5,861	12,046	17,906	38.8%	0	0	18,359	27,785	39.8%
141-06	3	312	Androscoggin	1,781,030	349,884	1,431,146	80.4%	17,329	95,013	112,343	6.3%	40	1,318,803	462,226	74.0%	28	33,294	22,747	10,547	31.7%	4,072	5,155	9,228	27.7%	0	0	1,319	31,975	4.0%
141-07	3	312	Androscoggin	1,778,643	349,676	1,428,967	80.3%	17,329	94,906	112,236	6.3%	40	1,316,731	461,912	74.0%	20	32,973	22,931	10,042	30.5%	5,869	2,844	8,713	26.4%	0	0	1,329	31,644	4.0%
103-01	3	227	Franklin	1,802,383	356,093	1,446,290	80.2%	29,863	80,210	110,072	6.1%	40	1,336,218	466,165	74.1%	176	36,285	26,217	10,068	27.7%	0	3,803	3,803	10.5%	0	0	6,266	30,020	17.3%
143-04	3	317	Androscoggin	1,781,036	657,521	1,123,515	63.1%	33,627	68,420	102,047	5.7%	80	1,021,467	759,568	57.4%	28	33,294	20,758	12,537	37.7%	4,056	6,469	10,526	31.6%	0	0	2,011	31,283	6.0%
143-05	3	317	Androscoggin	1,781,033	679,094	1,101,940	61.9%	32,612	65,942	98,554	5.5%	80	1,003,386	777,648	56.3%	28	33,294	33,220	74	0.2%	0	0	0	0.0%	0	0	74	33,220	0.2%
144-01	Merrill Road Converter	320	Androscoggin	1,781,034	375,016	1,406,019	78.9%	77,031	451,270	528,300	29.7%	543,770	877,718	903,316	49.3%	28	33,294	20,053	13,241	39.8%	3,245	9,681	12,926	38.8%	28	31,881	315	32,979	0.9%
145-01	3	320	Androscoggin	1,906,355	472,564	1,433,791	75.2%	128,743	98,521	227,264	11.9%	222,815	1,206,528	699,827	63.3%	1,704	51,457	1,553	49,904	97.0%	17,189	1,730	18,919	36.8%	0	60	30,985	20,472	60.2%
222-05	2	125, 126	Somerset	1,847,440	369,308	1,478,133	80.0%	8,825	83,530	92,354	5.0%	80	1,385,778	461,662	75.0%	322	42,398	28,919	13,479	31.8%	590	1,939	2,529	6.0%	0	0	10,950	31,449	25.8%
141-04	3	312	Androscoggin	1,778,641	355,628	1,423,014	80.0%	8,563	101,622	110,184	6.2%	40	1,312,829	465,812	73.8%	20	32,973	32,947	26	0.1%	0	0	0	0.0%	0	0	26	32,947	0.1%
125-03	3	276	Androscoggin	1,802,383	361,648	1,440,735	79.9%	4,312	109,046	113,358	6.3%	40	1,327,377	475,006	73.6%	176	36,286	1,174	35,111	96.8%	1,956	12,192	14,148	39.0%	0	0	20,963	15,323	57.8%
137-06	3	304	Androscoggin	1,906,101	383,140	1,522,960	79.9%	9,658	103,477	113,135	5.9%	40	1,409,826	496,275	74.0%	1,554	51,292	0	51,292	100.0%	57	11,188	11,245	21.9%	0	0	40,047	11,245	78.1%
130-12	3	288	Androscoggin	1,889,948	381,682	1,508,267	79.8%	10,359	84,721	95,080	5.0%	40	1,413,186	476,762	74.8%	1,032	48,686	23,673	25,013	51.4%	0	0	0	0.0%	0	0	25,013	23,673	51.4%
145-02	3	321	Androscoggin	1,781,033	305,723	1,475,310	82.8%	128,635	13,351	141,986	8.0%	87,912	1,333,324	447,709	74.9%	28	33,294	20,706	12,588	37.8%	0	0	0	0.0%	0	0	12,588	20,706	37.8%
140-01	3	309, 310	Androscoggin	1,781,034	366,334	1,414,700	79.4%	8,483	103,839	112,321	6.3%	80	1,302,379	478,656	73.1%	28	33,294	12,759	20,536	61.7%	5,861	8,795	14,656	44.0%	0	0	5,880	27,414	17.7%
145-03	3	321	Androscoggin	1,942,020	523,967	1,418,053	73.0%	103,848	35,042	138,890	7.2%	48,375	1,279,163	662,857	65.9%	2,805	57,676	3,605	54,071	93.7%	13,653	5,975	19,628	34.0%	0	0	34,444	23,233	59.7%
105-01	3	232	Franklin	1,938,665	407,121	1,531,545	79.0%	14,792	97,993	112,785	5.8%	79	1,418,760	519,906	73.2%	3,036	56,996	11,408	45,588	80.0%	2,629	8,178	10,807	19.0%	0	0	34,781	22,215	61.0%
145-04	3	321	Androscoggin	2,095,762	441,275	1,654,487	78.9%	97,835	35,042	132,877	6.3%	49,340	1,521,610	574,152	72.6%	4,345	78,995	50,442	28,553	36.1%	0	0	0	0.0%	0	0	28,553	50,442	36.1%
145-05	3	321	Androscoggin	1,854,805	537,098	1,317,707	71.0%	81,149	34,911	116,060	6.3%	19,873	1,201,647	653,158	64.8%	614	43,636	0	43,636	100.0%	18,039	8	18,047	41.4%	0	0	25,589	18,047	58.6%
129-06	3	286	Androscoggin	2,103,826	443,572	1,660,254	78.9%	92,675	19,455	112,130	5.3%	40	1,548,125	555,702	73.6%	2,767	78,724	74,711	4,013	5.1%	907	0	907	1.2%	0	40	3,106	75,617	3.9%
145-06	3	321	Androscoggin	2,026,344	631,320	1,395,024	68.8%	51,532	45,130	96,662	4.8%	120	1,298,362	727,982	64.1%	3,658	69,479	8,033	61,446	88.4%	11,230	7,404	18,633	26.8%	0	60	42,812	26,666	61.6%
130-11	3	288	Androscoggin	1,851,109	400,177	1,450,931	78.4%	4,563	109,422	113,985	6.2%	80	1,336,946	514,163	72.2%	455	43,007	41,740	1,267	2.9%	0	2	2	0.0%	0	0	1,265	41,742	2.9%
80-05	3	176	Somerset	1,790,517	387,912	1,402,605	78.3%	5,054	104,053	109,108	6.1%	80	1,293,498	497,019	72.2%	78	34,600	22,448	12,152	35.1%	0	0	0	0.0%	0	0	12,152	22,448	35.1%
145-07	3	321	Androscoggin	1,781,033	509,321	1,271,712	71.4%	49,633	41,264	90,896	5.1%	120	1,180,816	600,218	66.3%	28	33,294	27,028	6,267	18.8%	0	0	0	0.0%	0	0	6,267	27,028	18.8%
146-04	4	323, 324	Androscoggin	2,144,008	1,138,286	1,005,722	46.9%	0	0	0	0.0%	120	1,005,722	1,138,286	46.9%	8,971	91,379	79,717	11,662	12.8%	0	0	0	0.0%	0	30	11,662	79,717	12.8%
147-01	4	325	Androscoggin	1,893,643	611,586	1,282,057	67.7%	0	0	0	0.0%	90	1,282,057	611,586	67.7%	1,043	49,188	44,346	4,842	9.8%	0	0	0	0.0%	0	30	4,842	44,346	9.8%
164-03	5	412	Kennebec	1,902,421	430,461	1,471,960	77.4%	0	0	0	0.0%	132	1,471,960	430,461	77.4%	649	50,013	21,826	28,187	56.4%	0	0	0	0.0%	0	0	28,187	21,826	56.4%
130-08	3	288	Androscoggin	2,242,763	507,843	1,734,920	77.4%	53,362	78,342	131,704	5.9%	80	1,603,215	639,548	71.5%	18,626	111,373	24,665	86,708	77.9%	26,231	7,660	33,891	30.4%	0	40	52,817	58,556	47.4%

Exhibit 7-6 USACE Vernal Pool Table (8/13/2018)

Vernal Pool ID	Segment #	NRM #	COUNTY	Existing Condistion in Vernal Pool Habitat (750')				Proposed Activity in Vernal Pool Habitat (750')					Proposed Post Construction Condition in Vernal Pool Habitat (750')			Existing Conditions in Vernal Pool Depression and 100' Envelope					Proposed Activity in Vernal Pool Depression and 100' Envelope						Proposed Post-Construction Condition in Vernal Pool Depression and 100' Envelope		
				Total VP Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Proposed Percent Additional Clearing	Direct Impact to VP Habitat (sq ft)	Proposed Forested (sq ft)	Proposed Non-Forested (sq ft)	Proposed Percent Forested	Pool Size (sq ft)	Total Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Percent Forested	Pool Depression Direct Impact (sq ft)	Proposed Fill Envelope (sq ft)	Proposed Forested Conditions (sq ft)	Proposed Non-Forested Conditions (sq ft)	Proposed Percent Forested Condition
105-03	3	232	Franklin	1,781,030	403,470	1,377,560	77.3%	17,605	91,899	109,504	6.1%	80	1,268,057	512,974	71.2%	28	33,294	15,039	18,255	54.8%	6,675	5,335	12,010	36.1%	0	0	6,245	27,049	18.8%
222-07	2	123	Somerset	1,775,965	403,539	1,372,426	77.3%	4,583	100,573	105,156	5.9%	80	1,267,270	508,695	71.4%	2	32,585	12,385	20,200	62.0%	0	9,880	9,880	30.3%	0	40	10,320	22,265	31.7%
222-08	2	118	Somerset	1,783,919	405,956	1,377,963	77.2%	60,480	50,274	110,754	6.2%	120	1,267,209	516,710	71.0%	25	33,668	22,896	10,772	32.0%	0	0	0	0.0%	0	0	10,772	22,896	32.0%
164-04	5	411, 412	Lincoln	1,999,194	455,268	1,543,926	77.2%	0	0	0	0.0%	180	1,543,926	455,268	77.2%	1,999	64,206	41,533	22,673	35.3%	0	0	0	0.0%	0	0	22,673	41,533	35.3%
124-05	3	275	Androscoggin	1,873,964	427,850	1,446,114	77.2%	24,343	69,136	93,479	5.0%	80	1,352,635	521,329	72.2%	891	46,431	0	46,431	100.0%	879	6,895	7,774	16.7%	0	0	38,657	7,774	83.3%
169-03	5	400	Lincoln	1,814,280	416,103	1,398,178	77.1%	0	0	0	0.0%	239	1,398,178	416,103	77.1%	312	37,990	24,957	13,033	34.3%	0	0	0	0.0%	0	0	13,033	24,957	34.3%
169-01	5	401	Lincoln	1,928,548	442,352	1,486,196	77.1%	0	0	0	0.0%	180	1,486,196	442,352	77.1%	1,560	54,291	49,662	4,629	8.5%	0	0	0	0.0%	0	0	4,629	49,662	8.5%
170-05	5	398, 399	Lincoln	1,997,066	460,783	1,536,283	76.9%	0	0	0	0.0%	120	1,536,283	460,783	76.9%	698	62,676	60,784	1,892	3.0%	0	0	0	0.0%	0	0	1,892	60,784	3.0%
147-02	4	325	Androscoggin	2,279,630	733,419	1,546,211	67.8%	0	0	0	0.0%	120	1,546,211	733,419	67.8%	4,778	104,913	88,488	16,425	15.7%	0	0	0	0.0%	0	60	16,425	88,488	15.7%
147-09	4	327	Androscoggin	2,184,582	700,037	1,484,545	68.0%	0	0	0	0.0%	90	1,484,545	700,037	68.0%	11,829	101,466	79,388	22,078	21.8%	0	0	0	0.0%	0	30	22,078	79,388	21.8%
131-05	3	291	Androscoggin	1,814,285	421,781	1,392,504	76.8%	28,329	83,889	112,218	6.2%	160	1,280,286	533,999	70.6%	312	37,991	35,133	2,858	7.5%	1,470	0	1,470	3.9%	0	0	1,388	36,603	3.7%
148-05	4	328, 329	Androscoggin	1,971,367	521,674	1,449,693	73.5%	0	0	0	0.0%	120	1,449,693	521,674	73.5%	2,052	60,553	60,080	473	0.8%	0	0	0	0.0%	0	30	473	60,080	0.8%
112-02	3	248	Franklin	1,781,034	417,427	1,363,607	76.6%	7,668	102,508	110,176	6.2%	80	1,253,431	527,603	70.4%	28	33,294	15,669	17,625	52.9%	0	0	0	0.0%	0	0	17,625	15,669	52.9%
130-02	3	287, 288	Androscoggin	1,814,284	425,346	1,388,938	76.6%	81,729	31,406	113,136	6.2%	40	1,275,802	538,482	70.3%	312	37,991	28,053	9,938	26.2%	7,842	0	7,842	20.6%	0	0	2,096	35,895	5.5%
169-02	5	400, 401	Lincoln	1,869,859	439,592	1,430,267	76.5%	0	0	0	0.0%	180	1,430,267	439,592	76.5%	270	45,347	45,339	8	0.0%	0	0	0	0.0%	0	0	8	45,339	0.0%
134-03	3	297	Androscoggin	1,802,386	425,542	1,376,844	76.4%	22,976	89,886	112,862	6.3%	40	1,263,982	538,404	70.1%	176	36,286	24,458	11,828	32.6%	4,614	3,833	8,447	23.3%	0	0	3,381	32,905	9.3%
149-02	4	330	Androscoggin	1,798,338	990,742	807,596	44.9%	0	0	0	0.0%	120	807,596	990,742	44.9%	87	35,649	35,649	0	0.0%	0	0	0	0.0%	0	30	0	35,649	0.0%
134-04	3	297	Androscoggin	1,828,621	433,737	1,394,884	76.3%	23,550	90,188	113,739	6.2%	80	1,281,145	547,476	70.1%	330	39,900	31,166	8,733	21.9%	3,597	1,837	5,434	13.6%	0	0	3,300	36,600	8.3%
170-03	5	399	Lincoln	1,921,454	456,269	1,465,186	76.3%	0	0	0	0.0%	180	1,465,186	456,269	76.3%	1,196	53,027	53,027	0	0.0%	0	0	0	0.0%	13	60	0	53,027	0.0%
164-05	5	411, 412	Lincoln	1,830,308	438,411	1,391,897	76.0%	0	0	0	0.0%	180	1,391,897	438,411	76.0%	218	40,027	35,108	4,919	12.3%	0	0	0	0.0%	0	0	4,919	35,108	12.3%
155-03	4	344, 345	Androscoggin	2,094,544	1,135,164	959,380	45.8%	0	0	0	0.0%	180	959,380	1,135,164	45.8%	2,458	77,197	55,018	22,180	28.7%	0	0	0	0.0%	0	30	22,180	55,018	28.7%
173-04	5	392	Lincoln	1,962,740	470,792	1,491,948	76.0%	0	0	0	0.0%	120	1,491,948	470,792	76.0%	3,574	60,876	51,646	9,230	15.2%	0	0	0	0.0%	0	31	9,230	51,646	15.2%
173-02	5	393	Lincoln	1,982,433	476,768	1,505,665	76.0%	0	0	0	0.0%	120	1,505,665	476,768	76.0%	3,558	63,915	44,377	19,538	30.6%	0	0	0	0.0%	0	0	19,538	44,377	30.6%
155-06	4	343	Androscoggin	2,313,660	1,441,170	872,490	37.7%	0	0	0	0.0%	180	872,490	1,441,170	37.7%	9,855	112,831	111,084	1,747	1.5%	0	0	0	0.0%	0	30	1,747	111,084	1.5%
156-01	4	346	Androscoggin	1,820,700	725,314	1,095,385	60.2%	0	0	0	0.0%	180	1,095,385	725,314	60.2%	172	38,706	38,706	0	0.0%	0	0	0	0.0%	0	60	0	38,706	0.0%
148-02	4	328, 329	Androscoggin	1,926,206	469,690	1,456,516	75.6%	0	0	0	0.0%	90	1,456,516	469,690	75.6%	1,519	53,943	32,900	21,043	39.0%	0	0	0	0.0%	0	0	21,043	32,900	39.0%
141-05	3	312	Androscoggin	1,781,033	435,958	1,345,075	75.5%	17,329	92,581	109,910	6.2%	71	1,235,165	545,868	69.4%	28	33,294	32,491	803	2.4%	0	0	0	0.0%	0	0	803	32,491	2.4%
173-06	5	392	Lincoln	1,838,183	450,389	1,387,794	75.5%	0	0	0	0.0%	120	1,387,794	450,389	75.5%	703	41,518	28,401	13,117	31.6%	0	0	0	0.0%	0	0	13,117	28,401	31.6%
174-11	5	391	Lincoln	1,781,028	436,452	1,344,575	75.5%	0	0	0	0.0%	120	1,344,575	436,452	75.5%	28	33,294	22,052	11,242	33.8%	0	0	0	0.0%	0	0	11,242	22,052	33.8%
156-03	4	346	Androscoggin	1,926,887	788,259	1,138,628	59.1%	0	0	0	0.0%	180	1,138,628	788,259	59.1%	1,590	54,433	54,433	0	0.0%	0	0	0	0.0%	0	30	0	54,433	0.0%
179-01	5	380	Lincoln	1,781,029	451,463	1,329,567	74.7%	0	0	0	0.0%	180	1,329,567	451,463	74.7%	28	33,294	32,914	380	1.1%	0	0	0	0.0%	0	0	380	32,914	1.1%
157-03	4	348, 349	Androscoggin	2,021,257	1,128,025	893,232	44.2%	0	0	0	0.0%	210	893,232	1,128,025	44.2%	1,730	66,800	66,800	0	0.0%	0	0	0	0.0%	0	60	0	66,800	0.0%
177-05	5	384, 385	Lincoln	1,781,032	441,744	1,339,288	75.2%	0	0	0	0.0%	180	1,339,288	441,744	75.2%	28	33,294	20,870	12,424	37.3%	0	0	0	0.0%	0	0	12,424	20,870	37.3%
173-01	5	393	Lincoln	1,831,721	456,716	1,375,005	75.1%	0	0	0	0.0%	120	1,375,005	456,716	75.1%	427	40,395	40,395	0	0.0%	0	0	0	0.0%	0	0	0	40,395	0.0%
177-02	5	385	Lincoln	1,781,032	444,499	1,336,533	75.0%	0	0	0	0.0%	180	1,336,533	444,499	75.0%	28	33,294	25,197	8,097	24.3%	0	0	0	0.0%	0	0	8,097	25,197	24.3%
148-03	4	328, 329	Androscoggin	2,003,518	501,084	1,502,434	75.0%	0	0	0	0.0%	90	1,502,434	501,084	75.0%	1,519	64,500	61,419	3,081	4.8%	0	0	0	0.0%	0	0	3,081	61,419	4.8%
160-02	4	354	Androscoggin	1,781,101	1,041,182	739,919	41.5%	0	0	0	0.0%	180	739,919	1,041,182	41.5%	28	33,317	24,955	8,362	25.1%	0	0	0	0.0%	0	14	8,362	24,955	25.1%
173-03	5	393	Lincoln	1,790,511	449,776	1,340,735	74.9%	0	0	0	0.0%	120	1,340,735	449,776	74.9%	78	34,600	34,600	0	0.0%	0	0	0	0.0%	0	0	0	34,600	0.0%
49-1	1	108	Somerset	1,794,421	245,505	1,548,916	86.3%	17,623	192,293	209,917	11.7%	200	1,339,000	455,421	74.6%	47	35,088	0	35,088	100.0%	0	0	0	0.0%	0	0	35,088	0	100.0%
173-05	5	392	Lincoln	1,785,772	449,169	1,336,603	74.8%	0	0	0	0.0%	120	1,336,603	449,169	74.8%	50	33,944	33,944	0	0.0%	0	0	0	0.0%	0	0	0	33,944	0.0%
178-01	5	382	Lincoln	1,781,031	448,171	1,332,861	74.8%	0	0	0	0.0%	120	1,332,861	448,171	74.8%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
178-03	5	382	Lincoln	1,781,030	448,179	1,332,851	74.8%	0	0	0	0.0%	120	1,332,851	448,179	74.8%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
178-02	5	382	Lincoln	1,781,032	448,239	1,332,793	74.8%	0	0	0	0.0%	120	1,332,793	448,239	74.8%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
178-05	5	381	Lincoln	1,781,033	448,374	1,332,659	74.8%	0	0	0	0.0%	120	1,332,659	448,374	74.8%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
178-04	5	382	Lincoln	1,781,032	448,456	1,332,576	74.8%	0	0	0	0.0%	120	1,332,576	448,456	74.8%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
161-02	4	358	Cumberland	1,781,105	1,591,644	189,461	10.6%	197	4,739	4,936	0.3%	46,668	184,526	1,596,580	10.4%	28	33,319	33,319	0	0.0%	0	0	0	0.0%	0	0	0	33,319	0.0%
175-02	5	388	Lincoln	1,781,030	448,566	1,332,464	74.8%	0	0	0	0.0%	60	1,332,464	448,566	74.8%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	60	0	33,294	0.0%
148-07	4	329	Androscoggin	1,874,201	474,057	1,400,145	74.7%	0	0	0	0.0%	120	1,400,145	474,057	74.7%	1,254	46,841	45,950	892	1.9%	0	0	0	0.0%	0	0	892	45,950	1.9%
161-03	4	358	Cumberland	1,781,100	1,549,250	231,850	13.0%	904	12,401	13,305	0.7%	76,221	218,545	1,562,555	12.3%	28	33,317	33,317	0	0.0%	0	0	0	0.0%	0	0	0	33,317	0.0%
179-02	5	380	Lincoln	1,971,621	493,598	1,478,023	75.0%	0	0	0	0.0%	180	1,478,023	493,598	75.0%	899	59,457	59,457	0	0.0%	0	0	0	0.0%	0	5	0	59,457	0.0%
170-02	5	399	Lincoln	1,781,032	451,472	1,329,560	74.7%	0	0	0	0.0%	120	1,329,560	451,472	74.7%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
92-01	3	203	Somerset	1,955,437	495,942	1,459,495	74.6%	2,740	106,215	108,956	5.6%	80	1,350,539	604,898	69.1%	2,341	58,785	23,324	35,461	60.3%	1,183	17,490	18,673	31.8%	0	0	16,788	41,997	28.6%
165-02	5	409	Lincoln	1,824,931	464,247	1,360,684	74.6%	0	0	0	0.0%	180	1,360,684	464,247	74.6%	258	39,345	24,756	14,589	37.1%	0	0	0	0.0%	0	0	14,589	24,756	37.1%
124-06	3	275, 276	Androscoggin	2,142,745	545,407	1,597,338	74.5%	26,629	86,243	112,872	5.3%	80	1,484,466	658,279	69.3%	10,286	90,881	48,990	41,891	46.1%	15,038	13,018	28,056	30.9%	0	40	13,835	77,046	15.2%
180-01	5	378	Lincoln	1,781,032	453,377	1,327,656	74.5%	0	0	0	0.0%	210	1,327,656	453,377	74.5%	28	33,294	25,799	7,495	22.5%	0	0	0	0.0%	0	0	7,495	25,799	22.5%
180-02	5	378	Lincoln	1,781,032	453,459	1,327,573	74.5%	0	0	0	0.0%	210	1,327,573	453,459	74.5%	28	33,294	30,738	2,556	7.7%	0	0	0	0.0%	0	0	2,556	30,738	7.7%
148-04	4	328, 329	Androscoggin	1,870,280	476,864	1,393,416	74.5%	0	0	0	0.0%	90	1,393,416	476,864	74.5%	595	45,680	45,680	0	0.0%	0	0	0	0.0%	0	0	0	45,680	0.0%
114-03	3	252	Franklin	1,790,516	456,907	1,333,609	74.5%	43,411	20,886	64,297	3.6%	80	1,269,312	521,204	70.9%	78	34,600	1,390	33,210	96.0%	545	366	911	2.6%	0	0	32,300	2,301	93.4%
143-06	3	317	Androscoggin	1,781,032	589,764	1,191,268	66.9%	33,627	71,538	105,165	5.9%	80	1,086,103	694,929	61.0%	28	33,294	775	32,519	97.7%	11,502	1,170	12,672	38.1%	0	0	19,848	13,447	59.6%
147-08	4	326	Androscoggin	1,934,036	495,509	1,438,526	74.4%	0	0	0	0.0%	120	1,438,526	495,509	74.4%	3,363	56,591	56,591	0	0.0%	0	0	0	0.0%	0	0	0	56,591	0.0%
135-02	3	298	Androscoggin	1,917,905	491,824	1,426,081	74.4%	11,995	94,245	106,239	5.5%	200	1,319,842	598,063	68.8%	1,908	53,329	0	53,329	100.0%	0	2,748	2,748	5.2%	0	0	50,581	2,748	94.8%
174-10	5	390	Lincoln	1,867,093	481,064	1,386,029	74.2%	0	0	0	0.0%	120	1,386,029	481,064	74.2%	761	45,403	45,403	0	0.0%	0	0	0	0.0%	0	0	0	45,403	0.0%
130-03	3	287, 288	Androscoggin	1,790,516	463,758	1,326,758	74.1%	80,236	30,635	110,871	6.2%	40	1,215,887	574,629	67.9%	78	34,600	34,577	23	0.1%	0	0	0	0.0%	0	0	23	34,577	0.1%
161-08	4	357, 358	Cumberland	1,781,098	1,018,113	762,984	42.8%	838	25,896	26,734	1.5%	57,561	736,251	1,044,847	41.3%	28	33,318	20,608	12,710	38.1%	0	0	0	0.0%	0	0	12,710	20,608	38.1%
171-03	5	398	Lincoln	1,781,033	464,157	1,316,876	73.9%	0	0	0	0.0%	120	1,316,876	464,157	73.9%	28	33,294	32,139	1,155	3.5%	0	0	0	0.0%	0	0	1,155	32,139	3.5%
92-02	3	204	Somerset	1,870,154	489,307	1,380,847	73.8%	45,192	52,738	97,931	5.2%	160	1,282,917	587,238	68.6%	997	46,052	29,379	16,672	36.2%	5,460	6,962	12,422	27.0%	0	160	4,250	41,802	9.2%
161-09	4	358	Cumberland	1,781,102	1,177,336	603,766	33.9%	1,192	40,021	41,213	2.3%	181,623	562,553	1,218,549	31.6%	28	33,318	24,900	8,417	25.3%	0	0	0	0.0%	0	0	8,417	24,900	25.3%
92-03	3	204	Somerset	1,826,311	424,357	1,401,953	76.8%	52,773	48,997	101,770	5.6%	200	1,300,184	526,127	71.2%	367	39,625	30,911	8,714	22.0%	117	3,587	3,703	9.3%	0	0	5,010	34,614	12.6%
177-12	5	383	Lincoln	1,840,252	481,946	1,358,306	73.8%	0	0	0	0.0%	315	1,358,306	481,946	73.8%	414	41,522	40,338	1,184	2.9%	0	0	0	0.0%	0	0	1,184	40,338	2.9%
186-01	5	365	Lincoln	1,906,569	499,561	1,407,008	73.8%	0	0	0	0.0%	0	1,407,008	499,561	73.8%	1,672	51,683	33,771	17,912	34.7%	0	0	0	0.0%	0	0	17,912	33,771	34.7%
177-13	5	383	Lincoln	1,781,034	468,232	1,312,801	73.7%	0	0	0	0.0%	315	1,312,801	468,232	73.7%	28	33,294	32,445	849	2.6%	0	0	0	0.0%	0	0	849	32,445	2.6%
170-01	5	400	Lincoln	1,790,514	471,267	1,319,247	73.7%	0	0	0	0.0%	315	1,319,247	471,267	73.7%	78	34,600	32,918	1,682	4.9%	0	0	0	0.0%	0	60	1,682	32,918	4.9%
177-03	5	384, 385	Lincoln	2,306,751	608,763	1,697,988	73.6%	0	0	0	0.0%	180	1,697,988	608,763	73.6%	2,974	105,938	105,938	0	0.0%	0	0	0	0.0%	0	60	0	105,938	0.0%
161-10	Fickett Road Substation	358	Cumberland	1,781,103	1,505,846	275,257	15.5%	1,192	60,039	61,231	3.4%	224,471	214,026	1,567,077	12.0%	28	33,319	29,269	4,050	12.2%	838	3,212	4,050	12.2%	28	33,319	0	33,319	0.0%
161-16	4	358	Cumberland	1,781,098	1,481,870	299,228	16.8%	1,085	55,150	56,236	3.2%	193,920	242,993	1,538,105	13.6%	28	33,318	33,318	0	0.0%	0	0	0	0.0%	0	0	0	33,318	0.0%
130-09	3	288	Androscoggin	1,790,517	475,334	1,315,183	73.5%	53,241	59,417	112,658	6.3%	40	1,202,525	587,992	67.2%	78	34,600	22,461	12,139	35.1%	9,880	0	9,880	28.6%	0	0	2,259	32,341	6.5%
186-02	5	365	Lincoln	1,839,148	491,322	1,347,826	73.3%	0	0	0	0.0%	0	1,347,826	491,322	73.3%	496	41,446	30,844	10,602	25.6%	0	0	0	0.0%	0	0	10,602	30,844	25.6%
130-07	3	288	Androscoggin	1,781,033	476,712	1,304,321	73.2%	53,362	59,014	112,376	6.3%	80	1,191,945	589,088	66.9%	28	33,294	21,437	11,857	35.6%	9,664	0	9,664	29.0%	0	0	2,193	31,101	6.6%

Exhibit 7-6 USACE Vernal Pool Table (8/13/2018)

Vernal Pool ID	Segment #	NRM #	COUNTY	Existing Condistion in Vernal Pool Habitat (750')				Proposed Activity in Vernal Pool Habitat (750')					Proposed Post Construction Condition in Vernal Pool Habitat (750')			Existing Conditions in Vernal Pool Depression and 100' Envelope					Proposed Activity in Vernal Pool Depression and 100' Envelope						Proposed Post-Construction Condition in Vernal Pool Depression and 100' Envelope		
				Total VP Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Proposed Percent Additional Clearing	Direct Impact to VP Habitat (sq ft)	Proposed Forested (sq ft)	Proposed Non-Forested (sq ft)	Proposed Percent Forested	Pool Size (sq ft)	Total Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Percent Forested	Pool Depression Direct Impact (sq ft)	Proposed Fill Envelope (sq ft)	Proposed Forested Conditions (sq ft)	Proposed Non-Forested Conditions (sq ft)	Proposed Percent Forested Condition
130-04	3	288	Androscoggin	1,790,514	479,979	1,310,535	73.2%	56,236	56,414	112,650	6.3%	80	1,197,885	592,629	66.9%	78	34,600	22,634	11,966	34.6%	2,157	7,620	9,777	28.3%	0	0	2,190	32,411	6.3%
126-01	3	279	Androscoggin	2,001,402	536,666	1,464,735	73.2%	15,993	96,375	112,368	5.6%	40	1,352,367	649,035	67.6%	5,074	67,727	9,132	58,595	86.5%	2,341	14,592	16,933	25.0%	0	0	41,662	26,065	61.5%
174-02	5	391	Lincoln	1,781,027	477,952	1,303,076	73.2%	0	0	0	0.0%	120	1,303,076	477,952	73.2%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
177-11	5	383	Lincoln	1,781,030	478,861	1,302,169	73.1%	0	0	0	0.0%	255	1,302,169	478,861	73.1%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
130-06	3	288	Androscoggin	1,790,512	481,899	1,308,613	73.1%	53,365	59,283	112,648	6.3%	80	1,195,965	594,547	66.8%	78	34,600	22,647	11,954	34.5%	6,688	3,059	9,747	28.2%	0	0	2,206	32,394	6.4%
177-10	5	383	Lincoln	1,781,099	480,137	1,300,962	73.0%	0	0	0	0.0%	255	1,300,962	480,137	73.0%	28	33,318	33,318	0	0.0%	0	0	0	0.0%	0	0	0	33,318	0.0%
161-17	4	358	Cumberland	1,781,105	1,465,031	316,074	17.7%	904	48,947	49,851	2.8%	183,992	266,222	1,514,882	14.9%	28	33,318	33,318	0	0.0%	0	0	0	0.0%	0	0	0	33,318	0.0%
166-01	5	408	Lincoln	1,936,056	693,513	1,242,543	64.2%	0	0	0	0.0%	315	1,242,543	693,513	64.2%	1,020	54,815	54,815	0	0.0%	0	0	0	0.0%	0	60	0	54,815	0.0%
83-07	3	184	Somerset	1,879,822	364,312	1,515,510	80.6%	11,478	92,291	103,769	5.5%	40	1,411,740	468,082	75.1%	955	47,362	20,367	26,995	57.0%	0	0	0	0.0%	0	0	26,995	20,367	57.0%
174-09	5	390	Lincoln	2,014,557	547,001	1,467,555	72.8%	0	0	0	0.0%	180	1,467,555	547,001	72.8%	2,327	68,532	68,532	0	0.0%	0	0	0	0.0%	0	0	0	68,532	0.0%
186-03	5	365	Lincoln	1,903,055	517,267	1,385,788	72.8%	0	0	0	0.0%	0	1,385,788	517,267	72.8%	1,201	50,574	47,590	2,984	5.9%	0	0	0	0.0%	0	0	2,984	47,590	5.9%
139-02	3	307	Androscoggin	1,790,516	487,111	1,303,405	72.8%	34,407	73,529	107,936	6.0%	40	1,195,470	595,047	66.8%	78	34,600	24,571	10,030	29.0%	0	0	0	0.0%	0	0	10,030	24,571	29.0%
180-03	5	377, 378	Lincoln	1,781,033	448,528	1,332,506	74.8%	0	0	0	0.0%	180	1,332,506	448,528	74.8%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	60	0	33,294	0.0%
167-01	5	407	Lincoln	1,781,030	754,223	1,026,808	57.7%	0	0	0	0.0%	180	1,026,808	754,223	57.7%	28	33,294	29,537	3,757	11.3%	0	0	0	0.0%	0	30	3,757	29,537	11.3%
167-02	5	407	Lincoln	1,818,592	727,080	1,091,512	60.0%	0	0	0	0.0%	180	1,091,512	727,080	60.0%	219	38,465	38,465	0	0.0%	0	0	0	0.0%	0	60	0	38,465	0.0%
109-03	3	241	Franklin	1,889,961	524,016	1,365,945	72.3%	3,297	103,615	106,911	5.7%	40	1,259,034	630,927	66.6%	858	48,535	31,527	17,008	35.0%	0	0	0	0.0%	0	0	17,008	31,527	35.0%
132-01	3	292	Androscoggin	1,781,033	494,337	1,286,696	72.2%	4,890	107,624	112,515	6.3%	40	1,174,181	606,851	65.9%	28	33,294	20,620	12,674	38.1%	39	11,555	11,594	34.8%	0	40	1,081	32,214	3.2%
134-02	3	297	Androscoggin	1,815,324	505,338	1,309,986	72.2%	35,523	78,268	113,790	6.3%	44	1,196,195	619,128	65.9%	245	38,053	17,745	20,308	53.4%	961	13,157	14,118	37.1%	0	0	6,190	31,863	16.3%
140-03	3	310	Androscoggin	1,814,286	506,104	1,308,182	72.1%	8,575	105,198	113,772	6.3%	40	1,194,409	619,876	65.8%	312	37,991	15,818	22,173	58.4%	5,900	8,956	14,856	39.1%	0	0	7,318	30,674	19.3%
177-04	5	385	Lincoln	2,043,463	570,641	1,472,822	72.1%	0	0	0	0.0%	180	1,472,822	570,641	72.1%	3,984	72,606	43,675	28,931	39.8%	0	0	0	0.0%	0	0	28,931	43,675	39.8%
125-02	3	276	Androscoggin	1,790,514	502,938	1,287,576	71.9%	2,024	109,882	111,907	6.2%	80	1,175,669	614,845	65.7%	78	34,600	29,267	5,333	15.4%	0	2,919	2,919	8.4%	0	0	2,413	32,187	7.0%
170-04	5	399	Lincoln	1,852,252	431,366	1,420,887	76.7%	0	0	0	0.0%	120	1,420,887	431,366	76.7%	505	43,200	42,312	888	2.1%	0	0	0	0.0%	0	51	888	42,312	2.1%
130-10	3	288	Androscoggin	1,781,033	501,488	1,279,544	71.8%	40,471	70,160	110,631	6.2%	40	1,168,913	612,120	65.6%	28	33,294	33,224	70	0.2%	0	0	0	0.0%	0	0	70	33,224	0.2%
147-03	4	325	Androscoggin	2,234,053	632,605	1,601,449	71.7%	0	0	0	0.0%	120	1,601,449	632,605	71.7%	6,522	100,079	78,227	21,852	21.8%	0	0	0	0.0%	0	0	21,852	78,227	21.8%
171-01	5	398	Lincoln	1,781,030	412,848	1,368,183	76.8%	0	0	0	0.0%	180	1,368,183	412,848	76.8%	28	33,294	31,169	2,125	6.4%	0	0	0	0.0%	0	60	2,125	31,169	6.4%
171-02	5	398	Lincoln	1,814,281	445,829	1,368,452	75.4%	0	0	0	0.0%	180	1,368,452	445,829	75.4%	312	37,990	37,124	866	2.3%	0	0	0	0.0%	0	60	866	37,124	2.3%
174-04	5	390	Lincoln	1,955,085	607,416	1,347,669	68.9%	0	0	0	0.0%	315	1,347,669	607,416	68.9%	2,645	58,763	58,763	0	0.0%	0	0	0	0.0%	0	60	0	58,763	0.0%
174-05	5	390	Lincoln	1,781,032	595,129	1,185,903	66.6%	0	0	0	0.0%	315	1,185,903	595,129	66.6%	28	33,294	29,334	3,960	11.9%	0	0	0	0.0%	0	39	3,960	29,334	11.9%
176-01	5	385	Lincoln	1,915,046	498,959	1,416,087	73.9%	0	0	0	0.0%	180	1,416,087	498,959	73.9%	804	51,832	51,832	0	0.0%	0	0	0	0.0%	0	60	0	51,832	0.0%
177-01	5	385	Lincoln	1,873,327	496,466	1,376,861	73.5%	0	0	0	0.0%	180	1,376,861	496,466	73.5%	735	46,210	45,707	503	1.1%	0	0	0	0.0%	0	60	503	45,707	1.1%
135-03	3	298, 299	Androscoggin	2,167,792	633,321	1,534,471	70.8%	6,564	105,244	111,808	5.2%	200	1,422,663	745,129	65.6%	13,353	96,535	44,066	52,469	54.4%	3,913	12,944	16,857	17.5%	0	3	35,612	60,923	36.9%
186-04	5	364, 365	Lincoln	1,781,031	520,999	1,260,033	70.7%	0	0	0	0.0%	0	1,260,033	520,999	70.7%	28	33,294	32,414	880	2.6%	0	0	0	0.0%	0	0	880	32,414	2.6%
174-06	5	390	Lincoln	2,062,170	603,496	1,458,674	70.7%	0	0	0	0.0%	120	1,458,674	603,496	70.7%	6,302	77,109	51,137	25,972	33.7%	0	0	0	0.0%	0	0	25,972	51,137	33.7%
125-01	3	276	Androscoggin	1,931,107	566,179	1,364,927	70.7%	3,827	113,528	117,356	6.1%	80	1,247,572	683,535	64.6%	2,038	55,259	52,084	3,174	5.7%	0	401	401	0.7%	0	0	2,773	52,486	5.0%
177-09	5	383	Lincoln	1,781,030	500,605	1,280,425	71.9%	0	0	0	0.0%	315	1,280,425	500,605	71.9%	28	33,294	33,286	8	0.0%	0	0	0	0.0%	0	130	8	33,286	0.0%
180-04	5	377	Lincoln	1,900,944	467,636	1,433,308	75.4%	0	0	0	0.0%	180	1,433,308	467,636	75.4%	808	49,955	42,230	7,725	15.5%	0	0	0	0.0%	0	0	7,725	42,230	15.5%
177-14	5	383	Lincoln	1,781,033	465,927	1,315,106	73.8%	0	0	0	0.0%	315	1,315,106	465,927	73.8%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	60	0	33,294	0.0%
177-15	5	383	Lincoln	1,942,524	491,498	1,451,026	74.7%	0	0	0	0.0%	315	1,451,026	491,498	74.7%	1,578	56,163	56,163	0	0.0%	0	0	0	0.0%	0	60	0	56,163	0.0%
180-05	5	377	Lincoln	1,781,033	486,062	1,294,971	72.7%	0	0	0	0.0%	120	1,294,971	486,062	72.7%	28	33,294	21,109	12,185	36.6%	0	0	0	0.0%	0	0	12,185	21,109	36.6%
124-07	3	276	Androscoggin	1,875,242	555,258	1,319,984	70.4%	17,479	92,121	109,600	5.8%	80	1,210,384	664,858	64.5%	538	46,299	39,142	7,156	15.5%	0	0	0	0.0%	0	0	7,156	39,142	15.5%
180-06	5	377	Lincoln	2,394,303	731,750	1,662,553	69.4%	0	0	0	0.0%	315	1,662,553	731,750	69.4%	7,839	123,893	123,542	351	0.3%	0	0	0	0.0%	0	60	351	123,542	0.3%
135-01	3	298	Androscoggin	2,103,845	626,915	1,476,930	70.2%	14,813	104,665	119,478	5.7%	40	1,357,451	746,394	64.5%	5,371	81,290	76,725	4,565	5.6%	0	0	0	0.0%	0	0	4,565	76,725	5.6%
130-05	3	288	Androscoggin	1,798,318	538,874	1,259,445	70.0%	53,382	57,734	111,117	6.2%	80	1,148,328	649,990	63.9%	107	35,665	35,407	258	0.7%	0	0	0	0.0%	0	0	258	35,407	0.7%
180-07	5	376, 377	Lincoln	1,781,033	598,596	1,182,437	66.4%	0	0	0	0.0%	345	1,182,437	598,596	66.4%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
171-05	5	398	Lincoln	1,781,032	535,507	1,245,525	69.9%	0	0	0	0.0%	120	1,245,525	535,507	69.9%	28	33,294	31,914	1,380	4.1%	0	0	0	0.0%	0	0	1,380	31,914	4.1%
111-01	3	245	Franklin	2,001,577	602,903	1,398,674	69.9%	1,903	118,099	120,002	6.0%	80	1,278,673	722,905	63.9%	3,724	65,918	36,774	29,144	44.2%	0	0	0	0.0%	0	0	29,144	36,774	44.2%
128-08	3	285	Androscoggin	1,814,283	547,725	1,266,559	69.8%	18,899	28,720	47,619	2.6%	80	1,218,940	595,344	67.2%	312	37,991	27,381	10,610	27.9%	1,414	3,841	5,255	13.8%	0	0	5,355	32,636	14.1%
174-08	5	390	Lincoln	1,896,456	574,075	1,322,381	69.7%	0	0	0	0.0%	180	1,322,381	574,075	69.7%	649	49,217	49,217	0	0.0%	0	0	0	0.0%	0	0	0	49,217	0.0%
128-10	3	285	Androscoggin	1,790,516	542,211	1,248,305	69.7%	21,973	27,974	49,947	2.8%	80	1,198,358	592,158	66.9%	78	34,600	25,164	9,436	27.3%	1,083	3,368	4,451	12.9%	0	0	4,985	29,615	14.4%
180-08	5	376, 377	Lincoln	1,961,041	607,666	1,353,375	69.0%	0	0	0	0.0%	345	1,353,375	607,666	69.0%	1,199	58,308	37,124	21,184	36.3%	0	0	0	0.0%	0	0	21,184	37,124	36.3%
182-04	5	372	Lincoln	1,934,986	678,161	1,256,825	65.0%	0	0	0	0.0%	180	1,256,825	678,161	65.0%	1,949	55,815	54,838	977	1.8%	0	0	0	0.0%	0	0	977	54,838	1.8%
182-05	5	372	Lincoln	1,781,033	627,110	1,153,923	64.8%	0	0	0	0.0%	180	1,153,923	627,110	64.8%	28	33,294	23,355	9,939	29.9%	0	0	0	0.0%	0	0	9,939	23,355	29.9%
49-10	1	107	Somerset	1,853,474	466,082	1,387,392	74.9%	38,444	127,811	166,255	9.0%	40	1,221,137	632,337	65.9%	798	43,618	25,495	18,123	41.5%	3,237	662	3,899	8.9%	0	0	14,224	29,394	32.6%
181-01	5	375	Lincoln	1,781,032	546,923	1,234,109	69.3%	0	0	0	0.0%	180	1,234,109	546,923	69.3%	28	33,294	23,717	9,577	28.8%	0	0	0	0.0%	0	0	9,577	23,717	28.8%
134-01	3	297	Androscoggin	1,933,913	593,894	1,340,019	69.3%	42,998	74,116	117,114	6.1%	80	1,222,905	711,008	63.2%	2,883	56,350	28,285	28,065	49.8%	1,658	16,018	17,677	31.4%	0	0	10,388	45,962	18.4%
182-06	5	372	Lincoln	1,932,541	685,828	1,246,713	64.5%	0	0	0	0.0%	240	1,246,713	685,828	64.5%	1,445	54,720	54,720	0	0.0%	0	0	0	0.0%	0	0	0	54,720	0.0%
139-05	3	307, 308	Androscoggin	1,841,258	568,542	1,272,716	69.1%	36,266	71,179	107,444	5.8%	80	1,165,272	675,986	63.3%	447	41,685	26,412	15,273	36.6%	0	0	0	0.0%	0	0	15,273	26,412	36.6%
185-01	5	366	Sagadahoc	1,781,031	522,221	1,258,810	70.7%	17,493	105,325	122,818	6.9%	210	1,135,992	645,039	63.8%	28	33,294	25,176	8,118	24.4%	0	4,136	4,136	12.4%	0	0	3,982	29,312	12.0%
180-09	5	376	Lincoln	2,106,915	641,658	1,465,257	69.5%	0	0	0	0.0%	345	1,465,257	641,658	69.5%	3,675	79,899	79,899	0	0.0%	0	0	0	0.0%	0	0	0	79,899	0.0%
185-02	5	366	Sagadahoc	1,781,032	566,264	1,214,769	68.2%	52,247	90,941	143,189	8.0%	150	1,071,580	709,452	60.2%	28	33,294	26,011	7,283	21.9%	0	0	0	0.0%	0	0	7,283	26,011	21.9%
174-07	5	390	Lincoln	1,781,033	553,972	1,227,062	68.9%	0	0	0	0.0%	120	1,227,062	553,972	68.9%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
185-03	5	366	Sagadahoc	1,969,848	649,655	1,320,193	67.0%	52,872	96,963	149,834	7.6%	150	1,170,359	799,489	59.4%	2,224	60,368	45,169	15,199	25.2%	0	0	0	0.0%	0	0	15,199	45,169	25.2%
114-02	3	252	Franklin	1,949,473	608,339	1,341,133	68.8%	36,771	21,202	57,973	3.0%	80	1,283,160	666,312	65.8%	1,372	58,568	36,547	22,020	37.6%	0	0	0	0.0%	0	0	22,020	36,547	37.6%
181-02	5	375	Lincoln	1,781,032	557,470	1,223,562	68.7%	0	0	0	0.0%	180	1,223,562	557,470	68.7%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
180-10	5	376	Lincoln	2,012,545	591,197	1,421,348	70.6%	0	0	0	0.0%	150	1,421,348	591,197	70.6%	5,987	69,703	66,776	2,927	4.2%	0	0	0	0.0%	0	0	2,927	66,776	4.2%
128-06	3	284	Androscoggin	1,887,798	592,249	1,295,550	68.6%	20,016	8,632	28,647	1.5%	40	1,266,902	620,896	67.1%	382	47,837	33,803	14,034	29.3%	7,036	1,107	8,143	17.0%	0	0	5,891	41,946	12.3%
129-01	3	285	Androscoggin	1,790,514	562,611	1,227,903	68.6%	34,292	23,378	57,670	3.2%	80	1,170,233	620,281	65.4%	78	34,600	29,945	4,655	13.5%	87	0	87	0.3%	0	0	4,568	30,032	13.2%
182-01	5	373	Lincoln	1,781,033	559,913	1,221,120	68.6%	0	0	0	0.0%	120	1,221,120	559,913	68.6%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
185-04	5	366	Sagadahoc	1,781,032	422,288	1,358,744	76.3%	52,872	87,054	139,925	7.9%	150	1,218,819	562,214	68.4%	28	33,294	17,155	16,140	48.5%	15,637	12	15,649	47.0%	0	0	491	32,803	1.5%
144-02	3	320	Androscoggin	1,781,032	566,345	1,214,687	68.2%	2,487	112,725	115,212	6.5%	1,222	1,099,475	681,557	61.7%	28	33,294	28,449	4,846	14.6%	0	2,217	2,217	6.7%	0	0	2,628	30,666	7.9%
158-01	4	349, 350	Androscoggin	2,292,626	730,383	1,562,243	68.1%	0	0	0	0.0%	180	1,562,243	730,383	68.1%	7,414	112,965	79,853	33,112	29.3%	0	0	0	0.0%	0	0	33,112	79,853	29.3%
124-04	3	275	Androscoggin	1,790,515	571,090	1,219,425	68.1%	47,916	13,245	61,162	3.4%	200	1,158,263	632,252	64.7%	78	34,600	21,952	12,648	36.6%	1,785	1,213	2,999	8.7%	0	0	9,650	24,951	27.9%
139-01	3	307	Androscoggin	1,834,551	585,283	1,249,268	68.1%	30,236	83,617	113,853	6.2%	40	1,135,415	699,136	61.9%	205	40,585	34,293	6,292	15.5%	0	1,450	1,450	3.6%	0	0	4,842	35,743	11.9%
174-03	5	390, 391	Lincoln	1,971,927	630,033	1,341,894	68.0%	0	0	0	0.0%	255	1,341,894	630,033	68.0%	591	59,229	59,229	0	0.0%	0	0	0	0.0%	0	0	0	59,229	0.0%
185-05	5	366	Sagadahoc	1,781,031	534,560	1,246,471	70.0%	52,872	86,592	139,464	7.8%	240	1,107,008	674,023	62.2%	28	33,294	32,790	504	1.5%	279	0	279	0.8%	0	0	225	33,069	0.7%
182-07	5	372	Lincoln	1,897,791	649,370	1,248,421	65.8%	0	0	0	0.0%	180	1,248,421	649,370	65.8%	1,498	50,228	39,574	10,654	21.2%	0	0	0	0.0%	0	0	10,654	39,574	21.2%
182-08	5	371, 372	Lincoln	1,781,032	636,729	1,144,303	64.2%	0	0	0	0.0%	180	1,144,303	636,729	64.2%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	30	0	33,294	0.0%
185-06	5	366	Sagadahoc	1,781,030	487,256	1,293,774	72.6%	52,872	87,634	140,506	7.9%	211	1,153,268	627,763	64.8%	28	33,294	26,222	7,073	21.2%	7,073	0	7,073	21.2%	0	0	0	33,294	0.0%
158-02	4	349	Androscoggin	1,844,727	592,480	1,252,247	67.9%	0	0	0	0.0%	180	1,252,247	592,480	67.9%	568	42,255	18,435	23,819	56.4%	0	0	0	0.0%	0	0	23,819	18,435	56.4%

Exhibit 7-6 USACE Vernal Pool Table (8/13/2018)

Vernal Pool ID	Segment #	NRM #	COUNTY	Existing Condistion in Vernal Pool Habitat (750')				Proposed Activity in Vernal Pool Habitat (750')					Proposed Post Construction Condition in Vernal Pool Habitat (750')			Existing Conditions in Vernal Pool Depression and 100' Envelope					Proposed Activity in Vernal Pool Depression and 100' Envelope						Proposed Post-Construction Condition in Vernal Pool Depression and 100' Envelope		
				Total VP Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Proposed Percent Additional Clearing	Direct Impact to VP Habitat (sq ft)	Proposed Forested (sq ft)	Proposed Non-Forested (sq ft)	Proposed Percent Forested	Pool Size (sq ft)	Total Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Percent Forested	Pool Depression Direct Impact (sq ft)	Proposed Fill Envelope (sq ft)	Proposed Forested Conditions (sq ft)	Proposed Non-Forested Conditions (sq ft)	Proposed Percent Forested Condition
185-07	5	366	Sagadahoc	1,781,032	569,445	1,211,587	68.0%	52,872	90,972	143,844	8.1%	150	1,067,743	713,289	60.0%	28	33,294	31,432	1,862	5.6%	1,684	0	1,684	5.1%	0	30	178	33,116	0.5%
183-01	5	371	Lincoln	1,781,033	610,924	1,170,109	65.7%	0	0	0	0.0%	120	1,170,109	610,924	65.7%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
147-04	4	327	Androscoggin	1,809,721	583,755	1,225,966	67.7%	0	0	0	0.0%	90	1,225,966	583,755	67.7%	151	37,224	18,694	18,530	49.8%	0	0	0	0.0%	0	0	18,530	18,694	49.8%
CS-01			Androscoggin	1,827,216	493,798	1,333,418	73.0%	122,227	45,706	167,933	9.2%	138,793	1,165,485	661,731	63.8%	400	39,791	0	39,791	100.0%	7,877	2,477	10,353	26.0%	0	10,353	29,438	10,353	74.0%
183-02	5	371	Lincoln	1,919,052	643,229	1,275,823	66.5%	0	0	0	0.0%	145	1,275,823	643,229	66.5%	1,076	52,603	52,603	0	0.0%	0	0	0	0.0%	0	0	0	52,603	0.0%
99-07	3	219	Somerset	1,781,031	355,528	1,425,503	80.0%	10,874	96,240	107,114	6.0%	40	1,318,389	462,642	74.0%	28	33,294	19,840	13,454	40.4%	0	0	0	0.0%	0	0	13,454	19,840	40.4%
186-05	5	364	Lincoln	1,978,539	639,324	1,339,214	67.7%	0	0	0	0.0%	0	1,339,214	639,324	67.7%	3,313	63,220	60,314	2,906	4.6%	0	0	0	0.0%	0	0	2,906	60,314	4.6%
124-03	3	275	Androscoggin	1,781,032	576,151	1,204,881	67.7%	45,409	12,300	57,709	3.2%	200	1,147,172	633,860	64.4%	28	33,294	32,516	778	2.3%	0	0	0	0.0%	0	0	778	32,516	2.3%
183-03	5	371	Lincoln	1,781,034	610,043	1,170,991	65.7%	0	0	0	0.0%	180	1,170,991	610,043	65.7%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
183-04	5	371	Lincoln	2,238,011	726,759	1,511,253	67.5%	0	0	0	0.0%	180	1,511,253	726,759	67.5%	6,505	100,436	100,436	0	0.0%	0	0	0	0.0%	0	0	0	100,436	0.0%
147-05	4	327	Androscoggin	1,862,478	604,948	1,257,529	67.5%	0	0	0	0.0%	90	1,257,529	604,948	67.5%	754	44,849	30,855	13,994	31.2%	0	0	0	0.0%	0	0	13,994	30,855	31.2%
123-02	3	272, 273	Androscoggin	1,790,515	583,464	1,207,051	67.4%	0	18,309	18,309	1.0%	40	1,188,742	601,773	66.4%	78	34,600	20,023	14,577	42.1%	0	0	0	0.0%	0	0	14,577	20,023	42.1%
159-01	4	353, 354	Androscoggin	2,059,147	671,736	1,387,411	67.4%	0	0	0	0.0%	240	1,387,411	671,736	67.4%	8,609	77,812	50,091	27,721	35.6%	0	0	0	0.0%	0	0	27,721	50,091	35.6%
171-04	5	397	Lincoln	1,802,381	590,717	1,211,664	67.2%	0	0	0	0.0%	120	1,211,664	590,717	67.2%	176	36,285	33,013	3,273	9.0%	0	0	0	0.0%	0	60	3,273	33,013	9.0%
156-04	4	347	Androscoggin	1,915,224	630,786	1,284,438	67.1%	0	0	0	0.0%	240	1,284,438	630,786	67.1%	2,073	52,964	33,432	19,531	36.9%	0	0	0	0.0%	0	0	19,531	33,432	36.9%
118-02	3	261	Franklin	1,913,537	630,381	1,283,156	67.1%	0	104,966	104,966	5.5%	200	1,178,190	735,347	61.6%	1,791	52,487	19,466	33,020	62.9%	0	0	0	0.0%	0	0	33,020	19,466	62.9%
185-08	5	366	Sagadahoc	1,781,030	698,319	1,082,711	60.8%	23,990	96,077	120,067	6.7%	740	962,644	818,386	54.0%	28	33,294	20,161	13,133	39.4%	0	10,778	10,778	32.4%	0	30	2,355	30,939	7.1%
183-05	5	370, 371	Lincoln	2,039,646	687,454	1,352,192	66.3%	0	0	0	0.0%	180	1,352,192	687,454	66.3%	6,236	73,436	51,819	21,617	29.4%	0	0	0	0.0%	0	0	21,617	51,819	29.4%
161-14	4	357	Cumberland	1,802,947	595,394	1,207,553	67.0%	0	0	0	0.0%	120	1,207,553	595,394	67.0%	95	36,272	36,153	119	0.3%	0	0	0	0.0%	0	0	119	36,153	0.3%
99-06	3	219	Somerset	1,781,031	355,959	1,425,072	80.0%	10,874	95,697	106,571	6.0%	40	1,318,501	462,531	74.0%	28	33,294	16,746	16,548	49.7%	0	0	0	0.0%	0	0	16,548	16,746	49.7%
138-02	3	306, 307	Androscoggin	1,891,195	624,618	1,266,577	67.0%	13,108	100,689	113,797	6.0%	80	1,152,780	738,415	61.0%	393	48,299	29,512	18,787	38.9%	730	14,576	15,306	31.7%	0	0	3,481	44,818	7.2%
183-06	5	370	Lincoln	1,781,032	685,722	1,095,311	61.5%	0	0	0	0.0%	270	1,095,311	685,722	61.5%	28	33,294	24,063	9,231	27.7%	0	0	0	0.0%	0	60	9,231	24,063	27.7%
161-15	4	357	Cumberland	1,781,106	589,384	1,191,722	66.9%	0	0	0	0.0%	180	1,191,722	589,384	66.9%	28	33,318	21,608	11,710	35.1%	0	0	0	0.0%	0	0	11,710	21,608	35.1%
186-17	5	363	Lincoln	1,907,391	631,379	1,276,012	66.9%	0	0	0	0.0%	0	1,276,012	631,379	66.9%	2,060	51,901	51,879	22	0.0%	0	0	0	0.0%	0	0	22	51,879	0.0%
99-05	3	219	Somerset	1,781,034	355,221	1,425,813	80.1%	10,874	96,091	106,965	6.0%	40	1,318,848	462,186	74.0%	28	33,294	18,941	14,353	43.1%	0	0	0	0.0%	0	0	14,353	18,941	43.1%
91-02	3	202	Somerset	2,141,724	709,779	1,431,945	66.9%	12,260	102,733	114,993	5.4%	40	1,316,952	824,772	61.5%	2,031	83,110	29,845	53,266	64.1%	6,502	11,828	18,330	22.1%	0	36	34,935	48,175	42.0%
168-02	5	404	Lincoln	1,781,035	592,005	1,189,030	66.8%	0	0	0	0.0%	120	1,189,030	592,005	66.8%	28	33,294	30,055	3,239	9.7%	0	0	0	0.0%	0	0	3,239	30,055	9.7%
161-13	4	357	Cumberland	1,781,102	594,470	1,186,631	66.6%	0	0	0	0.0%	180	1,186,631	594,470	66.6%	28	33,319	33,319	0	0.0%	0	0	0	0.0%	0	0	0	33,319	0.0%
163-03	5	414	Kennebec	1,807,849	603,434	1,204,416	66.6%	0	0	0	0.0%	120	1,204,416	603,434	66.6%	109	36,938	32,547	4,390	11.9%	0	0	0	0.0%	0	0	4,390	32,547	11.9%
99-04	3	219	Somerset	1,815,675	359,873	1,455,802	80.2%	10,874	97,518	108,392	6.0%	40	1,347,410	468,265	74.2%	186	38,047	24,728	13,319	35.0%	0	0	0	0.0%	0	0	13,319	24,728	35.0%
99-02	3	218	Somerset	1,865,267	356,034	1,509,232	80.9%	6	114,838	114,845	6.2%	40	1,394,388	470,879	74.8%	307	44,766	33,052	11,714	26.2%	0	52	52	0.1%	0	0	11,662	33,104	26.1%
177-08	5	383	Lincoln	1,889,290	632,639	1,256,651	66.5%	0	0	0	0.0%	255	1,256,651	632,639	66.5%	1,387	48,922	45,967	2,954	6.0%	0	0	0	0.0%	0	60	2,954	45,967	6.0%
183-07	5	370	Lincoln	1,781,032	683,037	1,097,995	61.6%	0	0	0	0.0%	270	1,097,995	683,037	61.6%	28	33,294	20,278	13,016	39.1%	0	0	0	0.0%	0	18	13,016	20,278	39.1%
180-11	5	376	Lincoln	1,781,031	558,444	1,222,588	68.6%	0	0	0	0.0%	210	1,222,588	558,444	68.6%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
165-01	5	410, 411	Lincoln	2,111,741	710,442	1,401,299	66.4%	0	0	0	0.0%	162	1,401,299	710,442	66.4%	5,358	82,003	59,354	22,649	27.6%	0	0	0	0.0%	0	0	22,649	59,354	27.6%
183-08	5	370	Lincoln	1,870,051	687,640	1,182,410	63.2%	0	0	0	0.0%	210	1,182,410	687,640	63.2%	791	45,822	33,711	12,110	26.4%	0	0	0	0.0%	0	0	12,110	33,711	26.4%
128-07	3	284, 285	Androscoggin	1,877,860	634,497	1,243,363	66.2%	15,455	26,715	42,170	2.2%	40	1,201,193	676,667	64.0%	862	46,921	9,087	37,834	80.6%	291	1,692	1,983	4.2%	0	0	35,851	11,070	76.4%
161-07	4	357	Cumberland	1,781,099	603,260	1,177,839	66.1%	0	0	0	0.0%	180	1,177,839	603,260	66.1%	28	33,317	33,317	0	0.0%	0	0	0	0.0%	0	0	0	33,317	0.0%
184-01	5	369	Lincoln	1,960,776	664,445	1,296,331	66.1%	0	0	0	0.0%	180	1,296,331	664,445	66.1%	1,189	58,263	58,263	0	0.0%	0	0	0	0.0%	0	0	0	58,263	0.0%
183-09	5	370	Lincoln	1,781,033	603,680	1,177,352	66.1%	0	0	0	0.0%	210	1,177,352	603,680	66.1%	28	33,294	31,006	2,288	6.9%	0	0	0	0.0%	0	0	2,288	31,006	6.9%
147-06	4	327	Androscoggin	1,795,517	611,065	1,184,452	66.0%	0	0	0	0.0%	60	1,184,452	611,065	66.0%	74	35,258	29,163	6,094	17.3%	0	0	0	0.0%	0	0	6,094	29,163	17.3%
183-10	5	370	Lincoln	1,781,030	573,916	1,207,114	67.8%	0	0	0	0.0%	180	1,207,114	573,916	67.8%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
177-07	5	383	Lincoln	1,970,063	674,139	1,295,924	65.8%	0	0	0	0.0%	315	1,295,924	674,139	65.8%	3,479	61,485	42,075	19,409	31.6%	0	0	0	0.0%	0	60	19,409	42,075	31.6%
139-03	3	307	Androscoggin	1,831,462	626,961	1,204,500	65.8%	36,266	77,797	114,062	6.2%	80	1,090,438	741,023	59.5%	195	40,164	23,363	16,801	41.8%	2,339	8,537	10,877	27.1%	0	0	5,925	34,239	14.8%
183-11	5	370	Lincoln	1,781,031	574,793	1,206,238	67.7%	0	0	0	0.0%	120	1,206,238	574,793	67.7%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
182-02	5	372	Lincoln	1,881,299	644,571	1,236,728	65.7%	0	0	0	0.0%	120	1,236,728	644,571	65.7%	969	47,826	25,558	22,268	46.6%	0	0	0	0.0%	0	0	22,268	25,558	46.6%
183-12	5	370	Lincoln	1,874,145	600,169	1,273,976	68.0%	0	0	0	0.0%	120	1,273,976	600,169	68.0%	477	46,096	46,096	0	0.0%	0	0	0	0.0%	0	0	0	46,096	0.0%
111-03	3	245, 246	Franklin	1,916,710	658,298	1,258,412	65.7%	0	107,760	107,760	5.6%	40	1,150,652	766,059	60.0%	2,381	53,422	25,063	28,360	53.1%	0	8,063	8,063	15.1%	0	0	20,297	33,125	38.0%
222-06	2	125, 126	Somerset	1,806,739	373,473	1,433,266	79.3%	8,764	82,912	91,675	5.1%	80	1,341,590	465,149	74.3%	164	36,837	25,067	11,770	32.0%	62	2,120	2,182	5.9%	0	0	9,588	27,249	26.0%
133-02	3	294	Androscoggin	2,027,434	702,406	1,325,028	65.4%	54,732	67,867	122,599	6.0%	80	1,202,429	825,005	59.3%	1,751	67,639	61,703	5,936	8.8%	1,996	0	1,996	3.0%	0	0	3,940	63,699	5.8%
159-02	4	353, 354	Androscoggin	1,994,372	691,252	1,303,120	65.3%	0	0	0	0.0%	240	1,303,120	691,252	65.3%	2,978	64,294	47,053	17,241	26.8%	0	0	0	0.0%	0	0	17,241	47,053	26.8%
186-18	5	363	Lincoln	1,834,491	637,789	1,196,703	65.2%	0	0	0	0.0%	0	1,196,703	637,789	65.2%	256	40,617	40,617	0	0.0%	0	0	0	0.0%	0	0	0	40,617	0.0%
49-12	1	107	Somerset	1,993,879	609,868	1,384,010	69.4%	16,690	151,436	168,126	8.4%	80	1,215,884	777,995	61.0%	5,162	66,293	25,073	41,221	62.2%	0	0	0	0.0%	0	0	41,221	25,073	62.2%
188-01	5	360	Lincoln	1,781,032	623,390	1,157,642	65.0%	0	0	0	0.0%	0	1,157,642	623,390	65.0%	28	33,294	30,846	2,448	7.4%	0	0	0	0.0%	0	0	2,448	30,846	7.4%
183-13	5	370	Lincoln	1,781,032	577,876	1,203,156	67.6%	0	0	0	0.0%	120	1,203,156	577,876	67.6%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
161-06	4	357	Cumberland	1,829,408	642,520	1,186,888	64.9%	0	0	0	0.0%	180	1,186,888	642,520	64.9%	360	40,032	28,995	11,037	27.6%	0	0	0	0.0%	0	0	11,037	28,995	27.6%
175-01	5	389	Lincoln	1,781,032	626,295	1,154,737	64.8%	0	0	0	0.0%	120	1,154,737	626,295	64.8%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
183-14	5	369	Lincoln	1,926,730	616,479	1,310,251	68.0%	0	0	0	0.0%	180	1,310,251	616,479	68.0%	1,578	54,057	54,057	0	0.0%	0	0	0	0.0%	0	0	0	54,057	0.0%
139-04	3	307	Androscoggin	1,814,284	640,033	1,174,251	64.7%	36,266	76,888	113,153	6.2%	80	1,061,097	753,187	58.5%	312	37,991	14,440	23,551	62.0%	4,376	10,378	14,754	38.8%	0	0	8,797	29,194	23.2%
133-01	3	294	Androscoggin	1,808,752	639,365	1,169,387	64.7%	58,706	51,561	110,267	6.1%	80	1,059,120	749,632	58.6%	185	37,123	36,255	867	2.3%	0	0	0	0.0%	0	0	867	36,255	2.3%
161-12	4	356, 357	Cumberland	1,781,101	629,899	1,151,203	64.6%	0	0	0	0.0%	120	1,151,203	629,899	64.6%	28	33,318	29,446	3,872	11.6%	0	0	0	0.0%	0	0	3,872	29,446	11.6%
183-15	5	369	Lincoln	1,833,408	604,875	1,228,532	67.0%	0	0	0	0.0%	120	1,228,532	604,875	67.0%	135	40,366	40,366	0	0.0%	0	0	0	0.0%	0	0	0	40,366	0.0%
177-06	5	383	Lincoln	1,781,033	632,838	1,148,196	64.5%	0	0	0	0.0%	120	1,148,196	632,838	64.5%	28	33,294	24,175	9,119	27.4%	0	0	0	0.0%	0	0	9,119	24,175	27.4%
187-02	5	362	Lincoln	1,845,334	658,208	1,187,127	64.3%	0	0	0	0.0%	0	1,187,127	658,208	64.3%	614	42,373	42,373	0	0.0%	0	0	0	0.0%	0	0	0	42,373	0.0%
49-2	1	108	Somerset	1,801,653	557,513	1,244,140	69.1%	17,623	152,362	169,985	9.4%	80	1,074,155	727,498	59.6%	66	36,076	0	36,076	100.0%	0	0	0	0.0%	0	0	36,076	0	100.0%
68-01	2	151	Somerset	1,790,513	640,381	1,150,131	64.2%	11,853	37,709	49,562	2.8%	160	1,100,570	689,943	61.5%	78	34,600	33,086	1,513	4.4%	1,491	0	1,491	4.3%	0	0	22	34,578	0.1%
168-01	5	404	Lincoln	1,925,997	689,663	1,236,334	64.2%	0	0	0	0.0%	210	1,236,334	689,663	64.2%	1,521	53,912	45,250	8,662	16.1%	0	0	0	0.0%	0	0	8,662	45,250	16.1%
49-3	1	108	Somerset	1,774,574	618,134	1,156,440	65.2%	17,623	143,401	161,024	9.1%	80	995,416	779,158	56.1%	8	32,437	0	32,437	100.0%	0	0	0	0.0%	0	0	32,437	0	100.0%
139-06	3	307, 308	Androscoggin	1,896,793	679,706	1,217,088	64.2%	36,266	79,620	115,886	6.1%	80	1,101,202	795,591	58.1%	1,243	49,791	24,448	25,343	50.9%	10,452	6,958	17,410	35.0%	0	0	7,933	41,857	15.9%
182-03	5	372	Lincoln	1,781,033	638,645	1,142,388	64.1%	0	0	0	0.0%	172	1,142,388	638,645	64.1%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
131-03	3	290	Androscoggin	1,904,733	692,020	1,212,712	63.7%	9,612	98,869	108,480	5.7%	80	1,104,232	800,501	58.0%	1,399	50,973	40,700	10,273	20.2%	0	0	0	0.0%	0	0	10,273	40,700	20.2%
164-02	5	412	Kennebec	1,979,997	720,214	1,259,784	63.6%	0	0	0	0.0%	120	1,259,784	720,214	63.6%	3,980	63,257	62,023	1,234	2.0%	0	0	0	0.0%	0	0	1,234	62,023	2.0%
150-05	4	332	Androscoggin	1,834,349	669,679	1,164,669	63.5%	0	0	0	0.0%	90	1,164,669	669,679	63.5%	362	40,691	37,703	2,989	7.3%	0	0	0	0.0%	0	0	2,989	37,703	7.3%
150-03	4	332	Androscoggin	2,009,928	734,230	1,275,698	63.5%	0	0	0	0.0%	120	1,275,698	734,230	63.5%	1,312	65,193	50,332	14,860	22.8%	0	0	0	0.0%	0	0	14,860	50,332	22.8%
147-07	4	325	Androscoggin	1,865,479	681,959	1,183,520	63.4%	0	0	0	0.0%	90	1,183,520	681,959	63.4%	894	45,302	45,302	0	0.0%	0	0	0	0.0%	0	0	0	45,302	0.0%
49-4	1	108	Somerset	1,790,532	750,940	1,039,592	58.1%	17,623	127,735	145,358	8.1%	80	894,234	896,298	49.9%	42	34,570	0	34,570	100.0%	0	0	0	0.0%	0	0	34,570	0	100.0%
148-01	4	328	Androscoggin	1,891,083	693,730	1,197,352	63.3%	0	0	0	0.0%	150	1,197,352	693,730	63.3%	1,112	48,903	34,519	14,384	29.4%	0	0	0	0.0%	0	0	14,384	34,519	29.4%
183-16	5	369	Lincoln	1,781,030	589,280	1,191,750	66.9%	0	0	0	0.0%	120	1,191,750	589,280	66.9%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
49-6	1	107	Somerset	1,810,764	858,472	952,292	52.6%	38,444	60,650	99,094	5.5%	80	853,198	957,566	47.1%	190	37,399	0	37,399	100.0%	20,217	9,161	29,378	78.6%	0	0	8,021	29,378	21.4%

Exhibit 7-6 USACE Vernal Pool Table (8/13/2018)

Vernal Pool ID	Segment #	NRM #	COUNTY	Existing Condistion in Vernal Pool Habitat (750')				Proposed Activity in Vernal Pool Habitat (750')					Proposed Post Construction Condition in Vernal Pool Habitat (750')			Existing Conditions in Vernal Pool Depression and 100' Envelope					Proposed Activity in Vernal Pool Depression and 100' Envelope						Proposed Post-Construction Condition in Vernal Pool Depression and 100' Envelope		
				Total VP Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Proposed Percent Additional Clearing	Direct Impact to VP Habitat (sq ft)	Proposed Forested (sq ft)	Proposed Non-Forested (sq ft)	Proposed Percent Forested	Pool Size (sq ft)	Total Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Percent Forested	Pool Depression Direct Impact (sq ft)	Proposed Fill Envelope (sq ft)	Proposed Forested Conditions (sq ft)	Proposed Non-Forested Conditions (sq ft)	Proposed Percent Forested Condition
164-01	5	414	Kennebec	1,832,764	676,418	1,156,345	63.1%	0	0	0	0.0%	120	1,156,345	676,418	63.1%	121	40,269	35,658	4,611	11.5%	0	0	0	0.0%	0	0	4,611	35,658	11.5%
49-7	1	107	Somerset	1,784,408	787,634	996,775	55.9%	37,844	90,410	128,254	7.2%	80	868,521	915,887	48.7%	32	33,741	29,288	4,453	13.2%	2,576	0	2,576	7.6%	0	0	1,877	31,864	5.6%
188-02	5	359, 360	Lincoln	1,781,033	657,739	1,123,294	63.1%	0	0	0	0.0%	0	1,123,294	657,739	63.1%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
148-06	4	328	Androscoggin	2,031,095	750,721	1,280,374	63.0%	0	0	0	0.0%	150	1,280,374	750,721	63.0%	7,831	73,819	70,053	3,767	5.1%	0	0	0	0.0%	0	0	3,767	70,053	5.1%
128-05	3	284	Androscoggin	1,790,515	668,358	1,122,156	62.7%	0	269	269	0.0%	40	1,121,888	668,627	62.7%	78	34,600	33,950	650	1.9%	0	0	0	0.0%	0	0	650	33,950	1.9%
153-01	4	339	Androscoggin	1,832,464	684,568	1,147,896	62.6%	0	0	0	0.0%	180	1,147,896	684,568	62.6%	242	40,370	40,370	0	0.0%	0	0	0	0.0%	0	5	0	40,370	0.0%
187-01	5	362	Lincoln	1,881,506	703,060	1,178,446	62.6%	0	0	0	0.0%	0	1,178,446	703,060	62.6%	1,234	47,732	42,590	5,142	10.8%	0	0	0	0.0%	0	0	5,142	42,590	10.8%
111-04	3	246	Franklin	1,969,489	736,707	1,232,782	62.6%	0	108,097	108,097	5.5%	80	1,124,685	844,804	57.1%	3,388	61,329	27,027	34,302	55.9%	0	0	0	0.0%	0	0	34,302	27,027	55.9%
186-16	5	363	Lincoln	1,781,034	666,938	1,114,095	62.6%	0	0	0	0.0%	0	1,114,095	666,938	62.6%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
167-03	5	405	Lincoln	1,781,033	671,052	1,109,981	62.3%	0	0	0	0.0%	180	1,109,981	671,052	62.3%	28	33,294	27,648	5,646	17.0%	0	0	0	0.0%	0	0	5,646	27,648	17.0%
150-04	4	332	Androscoggin	1,831,449	693,462	1,137,987	62.1%	0	0	0	0.0%	90	1,137,987	693,462	62.1%	297	40,290	40,290	0	0.0%	0	0	0	0.0%	0	0	0	40,290	0.0%
166-04	5	407	Lincoln	1,897,738	719,737	1,178,001	62.1%	0	0	0	0.0%	120	1,178,001	719,737	62.1%	766	49,493	29,260	20,232	40.9%	0	0	0	0.0%	0	0	20,232	29,260	40.9%
118-01	3	261	Franklin	1,781,034	677,883	1,103,151	61.9%	3,649	47,714	51,363	2.9%	40	1,051,788	729,245	59.1%	28	33,294	19,712	13,582	40.8%	3,307	2,420	5,727	17.2%	0	0	7,855	25,439	23.6%
186-12	5	364	Lincoln	1,781,031	678,873	1,102,159	61.9%	0	0	0	0.0%	0	1,102,159	678,873	61.9%	28	33,294	33,146	148	0.4%	0	0	0	0.0%	0	0	148	33,146	0.4%
49-8	1	107	Somerset	1,803,255	830,118	973,137	54.0%	38,417	87,980	126,396	7.0%	80	846,741	956,514	47.0%	90	36,308	23,883	12,425	34.2%	4,104	274	4,379	12.1%	0	0	8,046	28,262	22.2%
186-15	5	363, 364	Lincoln	1,997,045	761,861	1,235,185	61.9%	0	0	0	0.0%	0	1,235,185	761,861	61.9%	3,724	65,956	53,129	12,827	19.4%	0	0	0	0.0%	0	0	12,827	53,129	19.4%
111-02	3	245	Franklin	1,898,659	725,873	1,172,786	61.8%	0	113,824	113,824	6.0%	40	1,058,961	839,698	55.8%	1,631	50,365	24,348	26,017	51.7%	0	10,230	10,230	20.3%	0	40	15,787	34,578	31.3%
49-9	1	107	Somerset	1,822,537	803,242	1,019,294	55.9%	34,041	98,003	132,043	7.2%	80	887,251	935,285	48.7%	288	39,051	37,767	1,284	3.3%	1	0	1	0.0%	0	0	1,283	37,768	3.3%
184-02	5	367	Sagadahoc	1,774,581	682,445	1,092,136	61.5%	14,887	164,657	179,544	10.1%	120	912,592	861,989	51.4%	8	32,437	26,684	5,753	17.7%	0	0	0	0.0%	0	0	5,753	26,684	17.7%
156-02	4	346	Androscoggin	1,818,543	699,476	1,119,068	61.5%	0	0	0	0.0%	180	1,119,068	699,476	61.5%	223	38,460	37,313	1,147	3.0%	0	0	0	0.0%	0	0	1,147	37,313	3.0%
77-02	3	170, 171	Somerset	2,621,894	587,824	2,034,070	77.6%	99	128,761	128,860	4.9%	80	1,905,210	716,685	72.7%	44,627	190,240	92,062	98,177	51.6%	99	33,910	34,009	17.9%	0	40	64,169	126,071	33.7%
123-03	3	273	Androscoggin	1,927,855	746,062	1,181,793	61.3%	0	5,403	5,403	0.3%	80	1,176,390	751,465	61.0%	1,975	54,554	54,554	0	0.0%	0	0	0	0.0%	0	0	0	54,554	0.0%
186-19	5	364	Lincoln	1,878,532	730,111	1,148,421	61.1%	0	0	0	0.0%	0	1,148,421	730,111	61.1%	969	47,224	47,224	0	0.0%	0	0	0	0.0%	0	0	0	47,224	0.0%
80-04	3	177	Somerset	1,829,670	265,206	1,564,464	85.5%	23,033	90,237	113,271	6.2%	40	1,451,194	378,476	79.3%	316	40,025	8,091	31,935	79.8%	12,237	4,770	17,007	42.5%	0	40	14,928	25,098	37.3%
121-02	3	268	Franklin	1,917,633	752,222	1,165,411	60.8%	0	0	0	0.0%	80	1,165,411	752,222	60.8%	368	51,805	39,542	12,263	23.7%	0	0	0	0.0%	0	0	12,263	39,542	23.7%
183-17	5	370	Lincoln	1,781,032	701,499	1,079,533	60.6%	0	0	0	0.0%	210	1,079,533	701,499	60.6%	28	33,294	21,518	11,776	35.4%	0	0	0	0.0%	0	0	11,776	21,518	35.4%
186-13	5	363, 364	Lincoln	1,781,034	705,926	1,075,108	60.4%	0	0	0	0.0%	0	1,075,108	705,926	60.4%	28	33,294	29,783	3,511	10.5%	0	0	0	0.0%	0	0	3,511	29,783	10.5%
128-04	3	284	Androscoggin	1,790,519	709,910	1,080,609	60.4%	0	358	358	0.0%	80	1,080,251	710,268	60.3%	78	34,600	34,600	0	0.0%	0	0	0	0.0%	0	0	0	34,600	0.0%
81-04	3	179	Somerset	1,895,015	252,833	1,642,182	86.7%	19,175	96,240	115,415	6.1%	144	1,526,767	368,248	80.6%	1,564	49,869	10,530	39,340	78.9%	5,848	11,730	17,578	35.2%	0	40	21,762	28,107	43.6%
91-01	3	202	Somerset	1,936,462	712,173	1,224,289	63.2%	12,260	95,585	107,845	5.6%	40	1,116,444	820,018	57.7%	165	54,138	19,773	34,365	63.5%	11,003	3,614	14,618	27.0%	0	40	19,747	34,391	36.5%
124-02	3	275	Androscoggin	1,781,028	724,285	1,056,743	59.3%	80,678	8,021	88,699	5.0%	200	968,044	812,984	54.4%	28	33,294	32,061	1,233	3.7%	15	0	15	0.0%	0	0	1,218	32,076	3.7%
129-05	3	286	Androscoggin	1,980,915	805,675	1,175,241	59.3%	60,602	9,103	69,705	3.5%	80	1,105,536	875,379	55.8%	1,459	61,184	60,324	861	1.4%	0	0	0	0.0%	0	0	861	60,324	1.4%
186-06	5	364	Lincoln	1,781,032	724,545	1,056,487	59.3%	0	0	0	0.0%	0	1,056,487	724,545	59.3%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
81-05	3	180	Somerset	1,882,443	245,642	1,636,801	87.0%	13,571	95,734	109,306	5.8%	80	1,527,496	354,947	81.1%	1,079	47,723	11,892	35,830	75.1%	0	0	0	0.0%	0	0	35,830	11,892	75.1%
162-01	5	-	Kennebec	2,055,893	842,206	1,213,687	59.0%	0	0	0	0.0%	0	1,213,687	842,206	59.0%	6,050	77,292	52,212	25,080	32.4%	0	0	0	0.0%	0	0	25,080	52,212	32.4%
117-06	3	260	Franklin	1,781,037	730,376	1,050,661	59.0%	30,168	62,430	92,598	5.2%	40	958,063	822,974	53.8%	28	33,294	32,571	723	2.2%	0	0	0	0.0%	0	0	723	32,571	2.2%
186-09	5	364	Lincoln	1,918,879	793,496	1,125,383	58.6%	0	0	0	0.0%	0	1,125,383	793,496	58.6%	1,807	53,210	53,210	0	0.0%	0	0	0	0.0%	0	0	0	53,210	0.0%
139-07	3	308	Androscoggin	1,991,469	825,088	1,166,381	58.6%	33,517	86,878	120,395	6.0%	80	1,045,986	945,483	52.5%	2,977	63,907	34,098	29,809	46.6%	16,799	5,239	22,038	34.5%	0	0	7,771	56,136	12.2%
83-08	3	184	Somerset	2,086,290	346,170	1,740,120	83.4%	12,328	102,160	114,487	5.5%	80	1,625,633	460,657	77.9%	3,193	79,714	43,184	36,530	45.8%	1,911	19,339	21,249	26.7%	0	0	15,281	64,433	19.2%
166-03	5	407	Lincoln	1,882,244	789,104	1,093,140	58.1%	0	0	0	0.0%	180	1,093,140	789,104	58.1%	959	47,592	31,646	15,946	33.5%	0	0	0	0.0%	0	0	15,946	31,646	33.5%
83-09	3	184	Somerset	1,911,400	285,861	1,625,539	85.0%	11,549	93,339	104,888	5.5%	80	1,520,651	390,749	79.6%	752	51,411	1,365	50,047	97.3%	0	0	0	0.0%	0	0	50,047	1,365	97.3%
139-08	3	308	Androscoggin	1,874,974	786,547	1,088,427	58.1%	33,517	78,125	111,642	6.0%	40	976,786	898,189	52.1%	886	46,560	43,088	3,473	7.5%	0	0	0	0.0%	0	0	3,473	43,088	7.5%
166-02	5	408	Lincoln	1,781,033	748,697	1,032,335	58.0%	0	0	0	0.0%	315	1,032,335	748,697	58.0%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
150-02	4	332	Androscoggin	1,817,890	767,948	1,049,942	57.8%	0	0	0	0.0%	120	1,049,942	767,948	57.8%	133	38,297	33,403	4,894	12.8%	0	0	0	0.0%	0	0	4,894	33,403	12.8%
159-03	4	354	Androscoggin	1,968,730	832,321	1,136,409	57.7%	0	0	0	0.0%	210	1,136,409	832,321	57.7%	3,494	61,323	43,123	18,199	29.7%	0	0	0	0.0%	0	0	18,199	43,123	29.7%
83-10	3	183	Somerset	1,805,872	596,370	1,209,502	67.0%	22,374	73,888	96,261	5.3%	40	1,113,240	692,632	61.6%	76	36,644	0	36,644	100.0%	0	0	0	0.0%	0	0	36,644	0	100.0%
186-14	5	363, 364	Lincoln	1,887,594	802,038	1,085,556	57.5%	0	0	0	0.0%	0	1,085,556	802,038	57.5%	1,046	48,763	48,763	0	0.0%	0	0	0	0.0%	0	0	0	48,763	0.0%
151-04	4	334	Androscoggin	1,889,022	805,607	1,083,416	57.4%	0	0	0	0.0%	60	1,083,416	805,607	57.4%	1,036	48,898	42,851	6,047	12.4%	0	0	0	0.0%	0	30	6,047	42,851	12.4%
151-01	4	335	Androscoggin	1,856,643	794,256	1,062,387	57.2%	0	0	0	0.0%	60	1,062,387	794,256	57.2%	863	44,107	29,934	14,173	32.1%	0	0	0	0.0%	0	0	14,173	29,934	32.1%
107-02	3	237	Franklin	1,814,591	776,389	1,038,202	57.2%	15,009	72,368	87,378	4.8%	40	950,825	863,767	52.4%	187	37,904	11,880	26,024	68.7%	9,852	2,651	12,503	33.0%	0	40	13,521	24,383	35.7%
186-08	5	364	Lincoln	1,774,579	762,038	1,012,541	57.1%	0	0	0	0.0%	0	1,012,541	762,038	57.1%	8	32,437	32,437	0	0.0%	0	0	0	0.0%	0	0	0	32,437	0.0%
151-02	4	335	Androscoggin	1,804,698	776,947	1,027,751	56.9%	0	0	0	0.0%	60	1,027,751	776,947	56.9%	132	36,537	34,916	1,622	4.4%	0	0	0	0.0%	0	0	1,622	34,916	4.4%
107-04	3	237	Franklin	1,814,285	785,777	1,028,508	56.7%	14,498	64,445	78,943	4.4%	80	949,565	864,720	52.3%	312	37,991	17,446	20,545	54.1%	0	14,479	14,479	38.1%	0	0	6,065	31,926	16.0%
127-02	3	281	Androscoggin	1,790,516	776,985	1,013,530	56.6%	46,502	38,056	84,558	4.7%	80	928,973	861,543	51.9%	78	34,600	32,436	2,165	6.3%	0	0	0	0.0%	0	0	2,165	32,436	6.3%
186-07	5	364	Lincoln	1,781,030	780,172	1,000,859	56.2%	0	0	0	0.0%	0	1,000,859	780,172	56.2%	28	33,294	31,586	1,708	5.1%	0	0	0	0.0%	0	0	1,708	31,586	5.1%
123-01	3	271	Androscoggin	1,781,034	781,009	1,000,024	56.1%	55,895	39,241	95,135	5.3%	40	904,889	876,145	50.8%	28	33,294	16,319	16,975	51.0%	10,689	2,128	12,816	38.5%	0	0	4,158	29,136	12.5%
111-05	3	246	Franklin	1,927,688	849,150	1,078,539	55.9%	0	99,608	99,608	5.2%	80	978,931	948,758	50.8%	2,738	55,194	8,217	46,977	85.1%	0	0	0	0.0%	0	0	46,977	8,217	85.1%
83-11	3	184	Somerset	1,920,620	370,730	1,549,889	80.7%	5,337	96,537	101,873	5.3%	40	1,448,016	472,604	75.4%	962	53,224	16,076	37,148	69.8%	2,351	16,368	18,718	35.2%	0	0	18,430	34,794	34.6%
186-10	5	364	Lincoln	1,781,034	785,098	995,936	55.9%	0	0	0	0.0%	0	995,936	785,098	55.9%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
83-12	3	184	Somerset	1,781,033	548,518	1,232,515	69.2%	7,204	88,465	95,668	5.4%	40	1,136,847	644,186	63.8%	28	33,294	26,677	6,617	19.9%	0	0	0	0.0%	0	0	6,617	26,677	19.9%
87-10	3	194	Somerset	1,882,627	245,221	1,637,405	87.0%	10,750	102,950	113,701	6.0%	80	1,523,705	358,922	80.9%	1,094	47,781	30,859	16,922	35.4%	0	0	0	0.0%	0	0	16,922	30,859	35.4%
151-03	4	335	Androscoggin	1,886,678	832,876	1,053,802	55.9%	0	0	0	0.0%	90	1,053,802	832,876	55.9%	859	48,121	45,133	2,988	6.2%	0	0	0	0.0%	0	0	2,988	45,133	6.2%
186-11	5	364	Lincoln	1,781,034	788,837	992,197	55.7%	0	0	0	0.0%	0	992,197	788,837	55.7%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
114-01	3	252	Franklin	1,965,729	876,409	1,089,320	55.4%	22,199	13,032	35,231	1.8%	80	1,054,089	911,641	53.6%	3,803	61,190	18,451	42,739	69.8%	8,418	752	9,170	15.0%	0	0	33,570	27,621	54.9%
93-01	3	205	Somerset	1,836,597	478,729	1,357,868	73.9%	55,433	43,383	98,816	5.4%	40	1,259,052	577,545	68.6%	298	41,019	25,687	15,332	37.4%	0	0	0	0.0%	0	0	15,332	25,687	37.4%
93-02	3	206	Somerset	1,883,261	844,389	1,038,872	55.2%	0	63,816	63,816	3.4%	80	975,056	908,205	51.8%	1,401	48,275	6,705	41,571	86.1%	0	14,026	14,026	29.1%	0	0	27,545	20,730	57.1%
150-01	4	332	Androscoggin	1,872,179	855,444	1,016,734	54.3%	0	0	0	0.0%	120	1,016,734	855,444	54.3%	1,220	46,479	38,582	7,898	17.0%	0	0	0	0.0%	0	0	7,898	38,582	17.0%
139-09	3	308	Androscoggin	2,122,142	971,939	1,150,203	54.2%	30,916	89,019	119,935	5.7%	80	1,030,268	1,091,873	48.5%	13,623	90,799	87,888	2,911	3.2%	0	1,115	1,115	1.2%	0	0	1,796	89,003	2.0%
130-13	3	289	Androscoggin	1,940,114	889,701	1,050,412	54.1%	16,696	49,576	66,271	3.4%	40	984,141	955,973	50.7%	2,793	57,216	55,371	1,845	3.2%	0	1,245	1,245	2.2%	0	0	600	56,616	1.0%
94-02	3	208	Somerset	1,781,031	516,691	1,264,340	71.0%	33,634	67,433	101,067	5.7%	40	1,163,273	617,758	65.3%	28	33,294	30,294	3,000	9.0%	0	1,787	1,787	5.4%	0	0	1,213	32,081	3.6%
117-05	3	260	Franklin	1,969,713	910,947	1,058,765	53.8%	19,191	83,702	102,892	5.2%	80	955,873	1,013,840	48.5%	2,750	60,813	33,773	27,040	44.5%	1,554	15,533	17,088	28.1%	0	0	9,952	50,861	16.4%
126-02	3	279, 280	Androscoggin	2,461,009	1,144,379	1,316,630	53.5%	8,708	114,090	122,797	5.0%	160	1,193,833	1,267,176	48.5%	28,222	156,410	82,823	73,586	47.0%	3,267	25,479	28,746	18.4%	0	160	44,840	111,569	28.7%
163-02	5	414, 415	Kennebec	1,865,620	870,139	995,481	53.4%	0	0	0	0.0%	315	995,481	870,139	53.4%	684	45,141	31,763	13,378	29.6%	0	0	0	0.0%	0	0	13,378	31,763	29.6%
123-05	3	273	Androscoggin	1,781,035	833,262	947,773	53.2%	31,314	7,274	38,588	2.2%	80	909,185	871,850	51.0%	28	33,294	33,096	198	0.6%	0	0	0	0.0%	0	0	198	33,096	0.6%
155-01	4	343	Androscoggin	1,859,643	870,552	989,090	53.2%	0	0	0	0.0%	180	989,090	870,552	53.2%	903	44,531	29,944	14,587	32.8%	0	0	0	0.0%	0	0	14,587	29,944	32.8%
111-06	3	246	Franklin	1,806,035	846,438	959,597	53.1%	2,033	93,276	95,309	5.3%	80	864,288	941,747	47.9%	146	36,722	169	36,553	99.5%	0	0	0	0.0%	0	0	36,553	169	99.5%
132-02	3	293	Androscoggin	1,924,052	902,033	1,022,018	53.1%	2,398	85,820	88,218	4.6%	80	933,801	990,251	48.5%	282	52,571	38,369	14,202	27.0%	0	7,647	7,647	14.5%	0	0	6,555	46,016	12.5%
129-02	3	285	Androscoggin	2,117,502	998,043	1,119,459	52.9%	72,714	29,917	102,631	4.8%	80	1,016,828	1,100,674	48.0%	3,830	81,449	77,081	4,369	5.4%	0	0	0	0.0%	0	0	4,369	77,081	5.4%
159-05	4	353	Androscoggin	1,870,805	883,398	987,408	52.8%	0	0	0	0.0%	120	987,408	883,398	52.8%	812	45,940	36,432	9,508	20.7%	0	0	0	0.0%	0	0	9,508	36,432	20.7%

Exhibit 7-6 USACE Vernal Pool Table (8/13/2018)

Vernal Pool ID	Segment #	NRM #	COUNTY	Existing Condistion in Vernal Pool Habitat (750')				Proposed Activity in Vernal Pool Habitat (750')					Proposed Post Construction Condition in Vernal Pool Habitat (750')			Existing Conditions in Vernal Pool Depression and 100' Envelope					Proposed Activity in Vernal Pool Depression and 100' Envelope						Proposed Post-Construction Condition in Vernal Pool Depression and 100' Envelope		
				Total VP Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Proposed Percent Additional Clearing	Direct Impact to VP Habitat (sq ft)	Proposed Forested (sq ft)	Proposed Non-Forested (sq ft)	Proposed Percent Forested	Pool Size (sq ft)	Total Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Percent Forested	Pool Depression Direct Impact (sq ft)	Proposed Fill Envelope (sq ft)	Proposed Forested Conditions (sq ft)	Proposed Non-Forested Conditions (sq ft)	Proposed Percent Forested Condition
94-03	3	208	Somerset	1,901,194	655,491	1,245,703	65.5%	18,076	84,838	102,914	5.4%	80	1,142,788	758,406	60.1%	1,292	50,411	9,892	40,520	80.4%	2,554	12,154	14,708	29.2%	0	0	25,812	24,600	51.2%
126-04	3	280	Androscoggin	1,833,756	876,837	956,919	52.2%	7,680	75,606	83,285	4.5%	80	873,634	960,122	47.6%	411	40,654	16,537	24,117	59.3%	3,276	1,667	4,943	12.2%	0	0	19,174	21,480	47.2%
149-01	4	331	Androscoggin	1,987,628	957,572	1,030,055	51.8%	0	0	0	0.0%	120	1,030,055	957,572	51.8%	4,186	64,602	63,285	1,317	2.0%	0	0	0	0.0%	0	0	1,317	63,285	2.0%
129-04	3	286	Androscoggin	1,965,418	950,543	1,014,874	51.6%	49,500	9,103	58,604	3.0%	80	956,271	1,009,147	48.7%	1,064	58,774	58,237	537	0.9%	0	0	0	0.0%	0	0	537	58,237	0.9%
36-1	1	83	Somerset	1,833,651	891,860	941,791	51.4%	212	136,991	137,203	7.5%	80	804,588	1,029,063	43.9%	199	40,457	27,002	13,455	33.3%	0	0	0	0.0%	0	0	13,455	27,002	33.3%
146-06	3	323	Androscoggin	1,790,518	891,317	899,201	50.2%	0	0	0	0.0%	510	899,201	891,317	50.2%	78	34,602	32,904	1,698	4.9%	0	0	0	0.0%	0	0	1,698	32,904	4.9%
160-01	4	354	Androscoggin	2,036,037	1,014,215	1,021,823	50.2%	0	0	0	0.0%	240	1,021,823	1,014,215	50.2%	2,579	69,866	65,949	3,918	5.6%	0	0	0	0.0%	0	0	3,918	65,949	5.6%
126-03	3	279, 280	Androscoggin	1,781,029	890,696	890,333	50.0%	4,680	95,912	100,593	5.6%	160	789,740	991,289	44.3%	28	33,294	33,154	141	0.4%	0	0	0	0.0%	0	0	141	33,154	0.4%
127-01	3	280	Androscoggin	1,904,054	956,414	947,640	49.8%	583	43,336	43,919	2.3%	40	903,721	1,000,333	47.5%	2,047	51,446	45,667	5,780	11.2%	0	0	0	0.0%	0	0	5,780	45,667	11.2%
127-04	3	282, 283	Androscoggin	1,810,030	920,830	889,201	49.1%	10,683	80,623	91,306	5.0%	40	797,895	1,012,136	44.1%	41	37,168	34,403	2,764	7.4%	0	0	0	0.0%	0	0	2,764	34,403	7.4%
157-05	4	348, 349	Androscoggin	2,600,667	1,324,429	1,276,238	49.1%	0	0	0	0.0%	240	1,276,238	1,324,429	49.1%	12,978	170,394	110,076	60,318	35.4%	0	0	0	0.0%	0	0	60,318	110,076	35.4%
132-03	3	293	Androscoggin	1,781,032	920,643	860,389	48.3%	0	46,231	46,231	2.6%	40	814,157	966,875	45.7%	28	33,294	33,051	243	0.7%	0	0	0	0.0%	0	0	243	33,051	0.7%
157-02	4	348, 349	Androscoggin	1,882,085	975,789	906,296	48.2%	0	0	0	0.0%	180	906,296	975,789	48.2%	851	47,686	47,686	0	0.0%	0	0	0	0.0%	0	0	0	47,686	0.0%
159-04	4	352	Androscoggin	1,835,111	965,879	869,232	47.4%	0	0	0	0.0%	210	869,232	965,879	47.4%	251	40,697	40,697	0	0.0%	0	0	0	0.0%	0	0	0	40,697	0.0%
127-03	3	282	Androscoggin	1,781,033	937,747	843,286	47.3%	69,645	39,823	109,469	6.1%	40	733,818	1,047,216	41.2%	28	33,294	23,551	9,744	29.3%	5,906	742	6,648	20.0%	0	40	3,096	30,198	9.3%
152-01	4	338	Androscoggin	2,018,179	1,065,071	953,109	47.2%	0	0	0	0.0%	240	953,109	1,065,071	47.2%	4,812	70,537	62,835	7,702	10.9%	0	0	0	0.0%	0	30	7,702	62,835	10.9%
222-09	2	152	Somerset	2,048,033	1,087,235	960,799	46.9%	35,277	51,437	86,715	4.2%	40	874,084	1,173,949	42.7%	4,239	72,957	30,304	42,653	58.5%	0	0	0	0.0%	0	0	42,653	30,304	58.5%
94-04	3	208	Somerset	1,781,030	804,089	976,941	54.9%	18,076	81,708	99,784	5.6%	40	877,157	903,873	49.3%	28	33,294	24,517	8,778	26.4%	0	0	0	0.0%	0	0	8,778	24,517	26.4%
188-03	5	359, 360	Lincoln	2,076,180	1,108,072	968,108	46.6%	0	0	0	0.0%	0	968,108	1,108,072	46.6%	5,730	77,803	36,386	41,416	53.2%	0	0	0	0.0%	0	0	41,416	36,386	53.2%
95-01	3	209, 210	Somerset	1,852,715	309,924	1,542,791	83.3%	16,087	91,525	107,612	5.8%	75	1,435,180	417,536	77.5%	391	43,346	18,577	24,769	57.1%	0	0	0	0.0%	0	0	24,769	18,577	57.1%
106-02	3	235	Franklin	1,817,221	987,496	829,725	45.7%	4,262	43,791	48,053	2.6%	80	781,672	1,035,550	43.0%	263	38,321	17,939	20,382	53.2%	4,262	9,868	14,130	36.9%	0	0	6,252	32,069	16.3%
120-02	3	266	Franklin	1,781,032	975,716	805,316	45.2%	25,606	34,728	60,334	3.4%	40	744,981	1,036,051	41.8%	28	33,294	30,471	2,823	8.5%	0	0	0	0.0%	0	0	2,823	30,471	8.5%
120-03	3	266	Franklin	1,781,032	977,380	803,652	45.1%	30,755	38,099	68,855	3.9%	40	734,797	1,046,235	41.3%	28	33,294	33,229	65	0.2%	0	0	0	0.0%	0	0	65	33,229	0.2%
95-02	3	210	Somerset	1,809,627	408,906	1,400,721	77.4%	16,087	87,941	104,028	5.7%	80	1,296,693	512,934	71.7%	68	37,138	13,128	24,010	64.6%	0	0	0	0.0%	0	0	24,010	13,128	64.6%
161-11	4	356	Cumberland	1,824,040	1,012,401	811,639	44.5%	0	0	0	0.0%	238	811,639	1,012,401	44.5%	403	39,349	39,349	0	0.0%	0	0	0	0.0%	0	0	0	39,349	0.0%
155-02	4	344, 345	Androscoggin	1,831,908	1,021,598	810,310	44.2%	0	0	0	0.0%	240	810,310	1,021,598	44.2%	337	40,343	22,494	17,849	44.2%	0	0	0	0.0%	0	0	17,849	22,494	44.2%
95-03	3	211	Somerset	1,878,546	1,878,546	0	0.0%	0	0	0	0.0%	200	0	1,878,546	0.0%	1,357	47,445	47,445	0	0.0%	0	0	0	0.0%	0	0	0	47,445	0.0%
128-02	3	283	Androscoggin	1,814,285	1,014,085	800,200	44.1%	8,620	17,938	26,558	1.5%	80	773,642	1,040,643	42.6%	312	37,991	33,587	4,404	11.6%	3,907	0	3,907	10.3%	0	0	497	37,494	1.3%
157-04	4	348	Androscoggin	2,424,570	1,367,074	1,057,496	43.6%	0	0	0	0.0%	240	1,057,496	1,367,074	43.6%	5,376	126,188	115,875	10,313	8.2%	0	0	0	0.0%	0	0	10,313	115,875	8.2%
129-03	3	285	Androscoggin	1,814,286	1,028,233	786,053	43.3%	69,523	30,368	99,891	5.5%	80	686,162	1,128,124	37.8%	312	37,991	23,727	14,264	37.5%	6,330	4,552	10,882	28.6%	0	0	3,383	34,608	8.9%
97-10	3	215	Somerset	1,795,264	260,963	1,534,301	85.5%	32,010	74,716	106,726	5.9%	160	1,427,575	367,690	79.5%	112	35,262	4,395	30,866	87.5%	0	0	0	0.0%	0	0	30,866	4,395	87.5%
155-04	4	344	Androscoggin	1,901,848	1,098,253	803,595	42.3%	0	0	0	0.0%	260	803,595	1,098,253	42.3%	856	50,119	35,232	14,887	29.7%	0	0	0	0.0%	0	0	14,887	35,232	29.7%
106-01	3	234	Franklin	1,781,031	1,029,701	751,330	42.2%	0	31,419	31,419	1.8%	80	719,911	1,061,120	40.4%	28	33,294	27,356	5,938	17.8%	0	0	0	0.0%	0	0	5,938	27,356	17.8%
128-01	3	283	Androscoggin	1,790,514	1,037,720	752,794	42.0%	9,258	22,347	31,605	1.8%	80	721,189	1,069,325	40.3%	78	34,600	33,539	1,061	3.1%	840	0	840	2.4%	0	0	221	34,379	0.6%
98-01	3	216	Somerset	1,781,032	574,623	1,206,409	67.7%	17,806	90,914	108,720	6.1%	40	1,097,689	683,343	61.6%	28	33,294	10,356	22,938	68.9%	366	8,614	8,980	27.0%	0	0	13,959	19,335	41.9%
161-04	4	356	Cumberland	1,781,098	1,041,708	739,390	41.5%	0	0	0	0.0%	180	739,390	1,041,708	41.5%	28	33,318	26,350	6,968	20.9%	0	0	0	0.0%	0	0	6,968	26,350	20.9%
128-03	3	283	Androscoggin	2,186,140	1,283,361	902,779	41.3%	8,396	16,517	24,914	1.1%	80	877,865	1,308,275	40.2%	9,484	95,908	60,262	35,646	37.2%	7,979	4,969	12,948	13.5%	0	0	22,698	73,210	23.7%
160-03	4	354	Androscoggin	1,781,103	1,051,101	730,002	41.0%	0	0	0	0.0%	180	730,002	1,051,101	41.0%	28	33,319	33,319	0	0.0%	0	0	0	0.0%	0	0	0	33,319	0.0%
131-01	3	290	Androscoggin	1,822,639	1,075,667	746,972	41.0%	3,465	89,086	92,551	5.1%	80	654,421	1,168,218	35.9%	50	38,860	26,744	12,116	31.2%	0	0	0	0.0%	0	0	12,116	26,744	31.2%
90-01	3	200	Somerset	2,093,486	1,241,689	851,797	40.7%	1,830	71,390	73,220	3.5%	80	778,577	1,314,909	37.2%	8,319	83,135	67,455	15,681	18.9%	3	0	3	0.0%	0	0	15,678	67,458	18.9%
131-02	3	290	Androscoggin	2,004,718	1,202,750	801,968	40.0%	3,465	101,278	104,743	5.2%	80	697,225	1,307,493	34.8%	4,332	67,734	42,405	25,329	37.4%	0	15,997	15,997	23.6%	0	0	9,332	58,401	13.8%
161-05	4	356	Cumberland	1,781,102	1,083,181	697,922	39.2%	0	0	0	0.0%	150	697,922	1,083,181	39.2%	28	33,319	25,417	7,902	23.7%	0	0	0	0.0%	0	0	7,902	25,417	23.7%
120-01	3	266	Franklin	1,781,033	1,091,010	690,024	38.7%	25,182	38,398	63,580	3.6%	80	626,444	1,154,590	35.2%	28	33,294	16,448	16,846	50.6%	0	0	0	0.0%	0	0	16,846	16,448	50.6%
98-02	3	216	Somerset	1,802,383	550,653	1,251,729	69.4%	17,806	91,604	109,410	6.1%	40	1,142,319	660,064	63.4%	176	36,285	20,493	15,793	43.5%	3,173	10,457	13,631	37.6%	0	0	2,162	34,123	6.0%
124-01	3	274	Androscoggin	1,781,033	1,114,759	666,274	37.4%	36,160	23,066	59,226	3.3%	40	607,048	1,173,985	34.1%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	0	0	33,294	0.0%
146-01	4	324	Androscoggin	1,894,739	1,188,804	705,935	37.3%	0	0	0	0.0%	90	705,935	1,188,804	37.3%	934	49,256	26,535	22,721	46.1%	0	0	0	0.0%	0	0	22,721	26,535	46.1%
146-05	3	323	Androscoggin	1,848,216	1,161,031	687,186	37.2%	0	0	0	0.0%	540	687,186	1,161,031	37.2%	655	42,792	42,792	0	0.0%	0	0	0	0.0%	0	0	0	42,792	0.0%
155-05	4	344	Androscoggin	2,139,620	1,347,765	791,856	37.0%	0	0	0	0.0%	260	791,856	1,347,765	37.0%	4,614	85,102	82,131	2,972	3.5%	0	0	0	0.0%	0	0	2,972	82,131	3.5%
NP-1	5	361	Lincoln	1,773,896	1,119,311	654,585	36.9%	0	0	0	0.0%	0	654,585	1,119,311	36.9%	7	32,346	21,550	10,796	33.4%	0	0	0	0.0%	0	0	10,796	21,550	33.4%
146-02	4	324	Androscoggin	1,806,745	1,143,283	663,462	36.7%	0	0	0	0.0%	90	663,462	1,143,283	36.7%	90	36,774	18,239	18,535	50.4%	0	0	0	0.0%	0	0	18,535	18,239	50.4%
138-01	3	305	Androscoggin	1,921,911	1,248,288	673,623	35.0%	1,577	61,288	62,865	3.3%	200	610,758	1,311,153	31.8%	603	52,573	33,668	18,906	36.0%	1,577	12,803	14,380	27.4%	0	0	4,525	48,048	8.6%
149-03	4	330	Androscoggin	1,837,557	1,199,147	638,409	34.7%	0	0	0	0.0%	120	638,409	1,199,147	34.7%	532	41,265	41,265	0	0.0%	0	0	0	0.0%	0	0	0	41,265	0.0%
149-04	4	330	Androscoggin	2,086,315	1,376,982	709,333	34.0%	0	0	0	0.0%	120	709,333	1,376,982	34.0%	9,899	83,061	61,663	21,398	25.8%	0	0	0	0.0%	0	0	21,398	61,663	25.8%
107-03	3	238	Franklin	1,781,033	1,176,219	604,813	34.0%	10,547	10,184	20,731	1.2%	40	584,082	1,196,951	32.8%	28	33,294	33,294	0	0.0%	0	0	0	0.0%	0	40	0	33,294	0.0%
98-03	3	216	Somerset	1,781,032	527,597	1,253,434	70.4%	17,806	89,471	107,277	6.0%	40	1,146,158	634,874	64.4%	28	33,294	30,327	2,967	8.9%	348	211	559	1.7%	0	0	2,407	30,887	7.2%
121-01	3	267	Franklin	1,790,516	1,209,066	581,449	32.5%	0	0	0	0.0%	40	581,449	1,209,066	32.5%	78	34,600	26,793	7,807	22.6%	0	0	0	0.0%	0	0	7,807	26,793	22.6%
163-01	5	416	Kennebec	1,816,617	1,230,047	586,570	32.3%	0	0	0	0.0%	399	586,570	1,230,047	32.3%	163	38,153	38,153	0	0.0%	0	0	0	0.0%	0	0	0	38,153	0.0%
157-01	4	348	Androscoggin	1,888,891	1,290,488	598,403	31.7%	0	0	0	0.0%	240	598,403	1,290,488	31.7%	324	48,462	48,462	0	0.0%	0	0	0	0.0%	0	0	0	48,462	0.0%
BOWMAN-1	3	280	Androscoggin	1,833,717	1,340,319	493,399	26.9%	0	0	0	0.0%	0	493,399	1,340,319	26.9%	337	40,582	19,306	21,276	52.4%	0	0	0	0.0%	0	0	21,276	19,306	52.4%
146-03	3	323	Androscoggin	1,935,812	1,436,163	499,649	25.8%	0	0	0	0.0%	90	499,649	1,436,163	25.8%	1,140	54,891	54,891	0	0.0%	0	0	0	0.0%	0	0	0	54,891	0.0%
162-02	5	417	Kennebec	1,813,371	1,405,757	407,614	22.5%	436	6,817	7,253	0.4%	0	400,361	1,413,010	22.1%	91	37,658	24,724	12,934	34.3%	0	0	0	0.0%	0	0	12,934	24,724	34.3%
98-04	3	216	Somerset	1,781,033	526,170	1,254,863	70.5%	17,806	88,316	106,122	6.0%	40	1,148,740	632,292	64.5%	28	33,294	23,856	9,438	28.3%	0	0	0	0.0%	0	0	9,438	23,856	28.3%
98-05	3	217	Somerset	1,813,859	333,192	1,480,667	81.6%	2,166	107,887	110,053	6.1%	80	1,370,613	443,246	75.6%	136	37,769	14,421	23,348	61.8%	0	0	0	0.0%	0	0	23,348	14,421	61.8%
98-06	3	217, 218	Somerset	1,917,290	227,792	1,689,498	88.1%	18,355	97,523	115,878	6.0%	40	1,573,620	343,670	82.1%	1,126	52,410	36,510	15,900	30.3%	0	0	0	0.0%	0	0	15,900	36,510	30.3%
98-07	3	216	Somerset	1,781,031	526,510	1,254,520	70.4%	17,808	90,182	107,990	6.1%	80	1,146,530	634,500	64.4%	28	33,294	27,947	5,348	16.1%	322	4,258	4,581	13.8%	0	0	767	32,527	2.3%
98-08	3	217	Somerset	1,781,033	302,737	1,478,296	83.0%	21,518	88,761	110,279	6.2%	40	1,368,018	413,016	76.8%	28	33,294	22,618	10,676	32.1%	0	0	0	0.0%	0	0	10,676	22,618	32.1%
113-01	3	250, 251	Franklin	1,936,581	1,731,573	205,008	10.6%	0	13,757	13,757	0.7%	80	191,251	1,745,330	9.9%	2,955	56,570	56,482	87	0.2%	0	0	0	0.0%	0	0	87	56,482	0.2%
161-01	4	358	Cumberland	1,781,101	1,699,242	81,859	4.6%	0	0	0	0.0%	2,847	81,859	1,699,242	4.6%	28	33,317	33,317	0	0.0%	0	0	0	0.0%	0	0	0	33,317	0.0%
PERRON-1	3	320	Androscoggin	1,944,661	328,148	1,616,513	83.1%	80,623	455,090	535,713	27.5%	577,125	1,080,800	863,861	55.6%	3,248	57,929	0	57,929	100.0%	1,310	15,667	16,977	29.3%	0	16,977	40,952	16,977	70.7%
95-04	3	211	Somerset	1,790,514	1,758,475	32,039	1.8%	0	8,604	8,604	0.5%	320	23,434	1,767,080	1.3%	78	34,600	34,600	0	0.0%	0	0	0	0.0%	0	0	0	34,600	0.0%

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
1	Beattie Twp	E	ISTR-01-02	Trib. to West Branch Mill Brook	2	INT	N/A	N	N	N/A	243	150	Y	3
1	Skinner Twp	E	ISTR-08-01	Trib. to West Branch Moose River	4	INT	A	N	N	N/A	313	150	N	20, 21
1	Appleton Twp	E	WB-16-101	Water body assoc. with trib. to Gold Brook	30	Open Water	N/A	N	N	N/A	256	150	N	37
1	Bradstreet Twp	E	ISTR-24-01	Trib. to Bitter Brook	2	INT	A	N	N	N/A	422	150	N	56
1	Johnson Mountain Twp	E	ISTR-39-01	Trib. to Cold Stream	4	INT	N/A	Y	N	N/A	232	150	Y	89
1	Johnson Mountain Twp	E	ISTR-39-03	Trib. to East Branch Salmon Stream	4	INT	N/A	Y	N	N/A	291	150	N	88
1	Johnson Mountain Twp	E	ISTR-42-09	Trib. to Tomhegan Stream	5	INT	N/A	Y	N	N/A	159	150	N	94
1	West Forks Plt	D	ISTR-45-02-02	Trib. to Tomhegan Stream	3	INT	N/A	Y	N	N/A	457	150	N	100
1	West Forks Plt	D	ISTR-46-05	Trib. to Cold Stream	4	INT	N/A	Y	N	N/A	136	150	N	103
1	West Forks Plt	D	ISTR-48-02	Trib. To Kennebec River	3	INT	N/A	Y	N	N/A	416	150	N	108, 109
1	Moxie Gore	D	ISTR-49-01	Trib. to Moxie Stream	5	INT	N/A	Y	N	N/A	360	150	N	111
1	Moxie Gore	D	ISTR-51-07	Trib. to Moxie Stream	2	INT	N/A	Y	N	N/A	416	150	N	114
1	Moxie Gore	D	ISTR-51-15	Trib. to Moxie Stream	1.5	INT	N/A	Y	N	N/A	334	150	Y	115
1	Moxie Gore	D	ISTR-51-16	Trib. to Moxie Stream	3	INT	N/A	Y	N	N/A	297	150	N	115
1	The Forks Plt	D	ISTR-52-07	Trib. to Moxie Stream	3	INT	N/A	Y	N	N/A	369	150	N	116
1	Moxie Gore/The Forks Plt	D	ISTR-52-08	Trib. to Moxie Stream	1	INT	N/A	Y	N	N/A	203	150	N	116

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
1	The Forks Plt	D	ISTR-52-12	Trib. to Moxie Stream	2	INT	N/A	Y	N	N/A	259	150	N	116, 117
1	Appleton Twp	E	ISTR-RR-11-01	Trib. to Bog Brook	5	INT	A	N	N	N/A	516	150	N	27
1	Appleton Twp/Skinner Twp	E	ISTR-RR-11-3-RR1	Trib. to Bog Brook	3	INT	N/A	N	N	N/A	330	150	Y	27
1	Appleton Twp/Skinner Twp	E	ISTR-RR1-1	Trib. to Bog Brook	5	INT	N/A	N	N	N/A	350	150	Y	27
1	Appleton Twp	E	ISTR-RR1-2	Trib. to Bog Brook	2	INT	N/A	N	N	N/A	233	150	Y	27
1	Beattie Twp	E	PSTR-00-10	Trib. to West Branch Mill Brook	3	PER	A	N	N	N/A	183	150	Y	3
1	Skinner Twp	E	PSTR-09-11	South Branch Moose River	46	PER	A	N	N	N/A	600	150	N	21
1	Appleton Twp	E	PSTR-11-07-RR1	Trib. to Bog Brook	6	PER	A	N	N	N/A	496	150	N	27
1	Appleton Twp	E	PSTR-11-08-RR1	Trib. to Bog Brook	4	PER	A	N	N	N/A	467	150	N	27
1	Appleton Twp	E	PSTR-15-06	Gold Brook	25	PER	A	Y	N	Y	181	150	Y	36
1	Appleton Twp	E	PSTR-17R-03	Baker Stream	12	PER	A	Y	N	Y	114	150	N	39
1	T5 R7 BKP WKR	E	PSTR-23-02	Whipple Brook	60	PER	A	Y	N	Y	370	150	N	52
1	Bradstreet Twp	E	PSTR-24-03	Bitter Brook	45	PER	A	N	N	N/A	404	150	N	55
1	Johnson Mountain Twp	E	PSTR-39-02	Trib. to Cold Stream	2	PER	N/A	Y	N	Y	248	150	Y	88, 89
1	Appleton Twp	E	PSTR-RR1-3	Trib. to Bog Brook	4	PER	A	N	N	N/A	387	150	N	27
1	West Forks Plt/Moxie Gore	D	PSTR-48-03	Kennebec River	300	PER	AA	Y	N	Y	732	150	N	109

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
1	Moxie Gore	D	STRM-50-01	Moxie Stream	80	PER	AA	Y	N	Y	404	150	N	113
1	Moxie Gore	D	ISTR-50-02	Trib. to Moxie Stream	1.5	INT	N/A	Y	N	Y	21	150	N	113
1	Moxie Gore	D	ISTR-51-01	Trib. to Moxie Stream	80	INT	N/A	Y	N	Y	325	150	Y	113
1	Moxie Gore	D	ISTR-51-02	Trib. to Moxie Stream	5	INT	N/A	Y	N	Y	279	150	N	113
1	Moxie Gore	D	ISTR-51-03	Trib. to Moxie Stream	4	INT	N/A	Y	N	Y	293	150	N	113
1	Moxie Gore	D	ISTR-51-04	Trib. to Moxie Stream	2	INT	N/A	Y	N	Y	325	150	N	113
1	Moxie Gore	D	ISTR-51-05	Trib. to Moxie Stream	8	INT	N/A	Y	N	Y	361	150	N	113
1	Moxie Gore	D	ISTR-51-06	Trib. to Moxie Stream	3	INT	N/A	Y	N	Y	380	150	N	113, 114
1	Moxie Gore	D	ISTR-51-08	Trib. to Moxie Stream	1.5	INT	N/A	Y	N	Y	230	150	N	114, 115
1	Moxie Gore	D	ISTR-51-09	Trib. to Moxie Stream	3	INT	N/A	Y	N	Y	242	150	N	114, 115
1	Moxie Gore	D	ISTR-51-10	Trib. to Moxie Stream	6	INT	N/A	Y	N	Y	264	150	N	114, 115
1	Moxie Gore	D	ISTR-51-11	Trib. to Moxie Stream	4	INT	N/A	Y	N	Y	270	150	N	114, 115
1	Moxie Gore	D	ISTR-51-12	Trib. to Moxie Stream	3	INT	N/A	Y	N	Y	488	150	N	115
1	Moxie Gore	D	ISTR-51-13	Trib. to Moxie Stream	6	INT	N/A	Y	N	Y	403	150	Y	115
1	Moxie Gore	D	ISTR-51-14	Trib. to Moxie Stream	5	INT	N/A	Y	N	Y	58	150	Y	115
1	Moxie Gore	D	ISTR-51-17	Trib. to Moxie Stream	2	INT	N/A	Y	N	Y	236	150	N	115

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
1	Moxie Gore	D	ISTR-51-18	Trib. to Moxie Stream	2	INT	N/A	Y	N	Y	221	150	N	115
1	Moxie Gore	D	ISTR-51-19	Trib. to Moxie Stream	2	INT	N/A	Y	N	Y	242	150	N	115
1	Moxie Gore	D	ISTR-51-20	Trib. to Moxie Stream	1.5	INT	N/A	Y	N	Y	236	150	N	115
1	Moxie Gore	D	ISTR-51-21	Trib. to Moxie Stream	3	INT	N/A	Y	N	Y	389	150	N	115
1	Moxie Gore	D	ISTR-52-01	Trib. to Moxie Stream	5	INT	N/A	Y	N	Y	357	150	N	115, 116
1	Moxie Gore	D	ISTR-52-02	Trib. to Moxie Stream	3	INT	N/A	Y	N	Y	324	150	N	115, 116
1	Moxie Gore	D	ISTR-52-03	Trib. to Moxie Stream	3	INT	N/A	Y	N	Y	329	150	N	115, 116
1	Moxie Gore	D	ISTR-52-04	Trib. to Moxie Stream	5	INT	N/A	Y	N	Y	225	150	N	116
1	Moxie Gore	D	ISTR-52-05	Trib. to Moxie Stream	5	INT	N/A	Y	N	Y	225	150	N	116
1	Moxie Gore	D	ISTR-52-06	Trib. to Moxie Stream	2	INT	N/A	Y	N	Y	352	150	N	116
1	The Forks Plt	D	ISTR-52-09	Trib. to Moxie Stream	2	INT	N/A	Y	N	Y	332	150	N	116
1	The Forks Plt	D	ISTR-52-10	Trib. to Moxie Stream	3	INT	N/A	Y	N	Y	276	150	Y	116, 117
1	The Forks Plt	D	ISTR-52-11	Trib. to Moxie Stream	4	INT	N/A	Y	N	Y	348	150	N	116, 117
1	The Forks Plt	D	ISTR-52-13	Trib. to Moxie Stream	8	INT	N/A	Y	N	Y	251	150	N	117
1	The Forks Plt	D	ISTR-52-14	Trib. to Moxie Stream	6	INT	N/A	Y	N	Y	217	150	N	117
1	The Forks Plt	D	ISTR-52-15	Trib. to Moxie Stream	5	INT	N/A	Y	N	Y	237	150	N	117

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
1	The Forks Plt	D	ISTR-52-16	Trib. to Moxie Stream	2	INT	N/A	Y	N	Y	250	150	N	117
1	The Forks Plt	D	ISTR-52-17	Trib. to Moxie Stream	2	INT	N/A	Y	N	Y	290	150	N	117
2	Bald Mountain Twp T2 R3	D	ISTR-60-08	Trib. to Joes Hole	2	INT	N/A	Y	N	N/A	267	75	N	133
2	Moscow	D	ISTR-71-101	Trib. to Austin Stream	1	INT	N/A	Y	N	N/A	289	75	N	158
2	Moscow	D	ISTR-72-101	Trib. to Chase Stream	3	INT	N/A	Y	N	N/A	67	75	Y	159, 160
2	Moscow	D	ISTR-72-102	Trib. to Chase Stream	3	INT	N/A	Y	N	N/A	85	75	N	159
2	Moscow	D	ISTR-72-106	Trib. to Chase Stream	2	INT	N/A	Y	N	N/A	502	75	Y	160
2	Moscow	D	ISTR-73-02	Mink Brook	1.5	INT	A	Y	N	Y	611	75	N	161
2	Moscow	D	ISTR-73-03	Mink Brook	2	INT	A	Y	N	Y	480	75	N	161
2	Moscow	D	ISTR-73-05	Trib. to Mink Brook	2	INT	A	Y	N	Y	63	75	Y	161, 162
2	Moscow	D	ISTR-73-06	Trib. to Mink Brook	3	INT	N/A	Y	N	N/A	56	75	N	162
2	Moscow	D	ISTR-73-07	Mink Brook	3	INT	A	Y	N	Y	204	75	N	161
2	Moscow	D	ISTR-73-08	Trib. to Austin Stream	2	INT	N/A	Y	N	N/A	547	75	Y	163
2	Bald Mountain Twp T2 R3	D	POND-59-05	Joes Hole	100	Open Water	N/A	Y	N	N/A	105	75	N	131, 132
2	Bald Mountain Twp T2 R3	D	POND-60-01	Joes Hole	180	Open Water	A	Y	N	Y	108	75	N	133, 134
2	The Forks Plt	D	PSTR-54-01	Trib. to Moxie Pond	9	PER	A	Y	N	Y	177	75	N	120

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
2	Moscow	D	PSTR-71-102	Trib. to Austin Stream	4	PER	N/A	Y	N	N/A	376	75	N	157
2	Moscow	D	PSTR-72-103	Chase Stream	30	PER	A	Y	N	Y	109	75	Y	159, 160
2	Moscow	D	PSTR-72-104	Trib. to Chase Stream	3.5	PER	A	Y	N	Y	221	75	Y	159, 160
2	Moscow	D	PSTR-72-105	Trib. to Chase Stream	2	PER	A	Y	N	Y	238	75	N	159, 160
2	Moscow	D	PSTR-73-01	Mink Brook	2	PER	A	Y	N	Y	32	75	N	161
2	Moscow	D	PSTR-73-04	Trib. to Mink Brook	2	PER	A	Y	N	Y	43	75	Y	161
2	Moscow	D	PSTR-74-01	Trib. to Kennebec River	2	PER	B	Y	N	Y	115	75	N	164, 165
3	Industry	D	ISTR-101-01	Trib. to Josiah Brook	5	INT	N/A	Y	Y	N/A	362	75	N	223
3	Industry	D	ISTR-101-02	Trib. to Josiah Brook	2	INT	N/A	Y	Y	N/A	326	75	N	223
3	Industry	D	ISTR-102-01	Trib. to Josiah Brook	8	INT	B	Y	Y	N/A	220	75	N	225, 226
3	Industry	D	ISTR-103-01	Trib. to Goodrich Brook	5	INT	N/A	Y	Y	N/A	345	75	Y	229
3	Industry	D	ISTR-103-02	Trib. to Goodrich Brook	1.5	INT	N/A	Y	Y	N/A	265	75	N	229
3	Industry	D	ISTR-103-03	Trib. to Goodrich Brook	3	INT	N/A	Y	Y	N/A	95	75	N	228, 229
3	Industry	D	ISTR-103-04	Trib. to Goodrich Brook	3	INT	N/A	Y	Y	N/A	116	75	Y	228, 229
3	Industry	D	ISTR-103-05	Trib. to Goodrich Brook	3	INT	N/A	Y	Y	N/A	179	75	N	228
3	Industry	D	ISTR-103-06	Trib. to Goodrich Brook	1.5	INT	N/A	Y	Y	N/A	367	75	N	228

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
3	Industry	D	ISTR-103-07	Trib. to Goodrich Brook	5	INT	B	Y	Y	N/A	341	75	N	228
3	Industry	D	ISTR-103-08	Trib. to Goodrich Brook	4	INT	N/A	Y	Y	N/A	203	75	N	227, 228
3	Industry	D	ISTR-103-09	Trib. to Goodrich Brook	5	INT	N/A	Y	Y	N/A	283	75	N	227, 228
3	Farmington	D	ISTR-107-01	Trib. to Beales Brook	1.5	INT	B	Y	Y	N/A	281	75	N	238
3	Farmington	D	ISTR-108-01	Trib. to Cascade Brook	3	INT	N/A	Y	Y	N/A	201	75	N	240
3	Farmington	D	ISTR-108-02	Trib. to Cascade Brook	2.5	INT	B	Y	Y	N/A	247	75	Y	240
3	Farmington	D	ISTR-108-03	Trib. to Cascade Brook	1.5	INT	B	Y	Y	N/A	274	75	N	240
3	Farmington	D	ISTR-108-04	Trib. to Cascade Brook	1	INT	B	Y	Y	N/A	193	75	Y	239
3	Farmington	D	ISTR-111-01	Trib. to Wilson Stream	2	INT	N/A	Y	Y	N/A	162	75	N	246
3	Jay	D	ISTR-114-02	Trib. to Wilson Stream	3	INT	N/A	Y	Y	N/A	129	75	N	253
3	Chesterville	D	ISTR-114-03	Trib. to Wilson Stream	6	INT	N/A	Y	Y	N/A	137	75	Y	253
3	Jay	D	ISTR-116-02	Trib. To Sugar Brook	8	INT	N/A	Y	Y	N/A	341	75	Y	256
3	Jay	D	ISTR-117-01	Trib. to Fuller Brook	2	INT	N/A	Y	Y	N/A	96	75	N	259
3	Livermore Falls	B	ISTR-127-01	Trib. to Androscoggin River	10	INT	N/A	Y	N	N/A	411	75	Y	280, 281
3	Leeds	B	ISTR-132-02	Trib. To Dead River	3	INT	B	Y	N	N/A	272	75	N	292
3	Leeds	B	ISTR-135-04	Trib. to Allen Stream	4	INT	B	Y	N	N/A	206	75	N	299

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
3	Concord Twp	D	ISTR-75-03	Trib. to Kennebec River	4	INT	N/A	Y	N	N/A	269	75	Y	167
3	Concord Twp	D	ISTR-76-02	Trib. to Kennebec River	1	INT	N/A	Y	N	N/A	270	75	N	167
3	Concord Twp	D	ISTR-76-03	Trib. to Kennebec River	20	INT	B	Y	N	N/A	558	75	N	167
3	Concord Twp	D	ISTR-76-04	Trib. to Kennebec River	2	INT	B	Y	N	N/A	386	75	N	167
3	Concord Twp	D	ISTR-76-05	Trib. to Kennebec River	15	INT	N/A	Y	N	N/A	282	75	N	167, 168
3	Concord Twp	D	ISTR-76-06	Trib. to Kennebec River	20	INT	N/A	Y	N	N/A	238	75	N	169
3	Concord Twp	D	ISTR-77-03	Trib. to Kennebec River	2.5	INT	N/A	Y	N	N/A	228	75	N	171
3	Concord Twp	D	ISTR-78-01	Trib. To Mill Stream	3	INT	N/A	Y	N	N/A	251	75	N	173
3	Concord Twp	D	ISTR-78-02	Trib. To Mill Stream	3	INT	N/A	Y	N	N/A	301	75	N	173
3	Concord Twp	D	ISTR-80-01	Trib. to Kennebec River	2	INT	N/A	Y	N	N/A	495	75	N	177
3	Concord Twp	D	ISTR-80-02	Trib. to Kennebec River	3	INT	N/A	Y	N	N/A	187	75	N	176
3	Concord Twp	D	ISTR-80-03	Trib. to Kennebec River	2	INT	N/A	Y	N	N/A	188	75	N	176
3	Concord Twp	D	ISTR-80-04	Trib. to Kennebec River	1.5	INT	N/A	Y	N	N/A	526	75	N	177
3	Concord Twp	D	ISTR-80-05	Trib. to Kennebec River	3	INT	N/A	Y	N	N/A	286	75	N	177
3	Concord Twp	D	ISTR-81-01	Trib. to Kennebec River	4	INT	N/A	Y	N	N/A	295	75	N	178, 179
3	Concord Twp	D	ISTR-81-02	Trib. to Kennebec River	4	INT	N/A	Y	N	N/A	281	75	N	178, 179

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
3	Embden	D	ISTR-82-01	Trib. to Alder Brook	5	INT	N/A	Y	N	N/A	427	75	N	182, 183
3	Embden	D	ISTR-83-02	Trib. to Alder Brook	4	INT	N/A	Y	N	N/A	475	75	N	184
3	Embden	D	ISTR-83-05	Trib. to Alder Brook	3	INT	B	Y	N	Y	309	75	N	184
3	Embden	D	ISTR-83-06	Trib. to Alder Brook	2	INT	B	Y	N	Y	281	75	Y	183, 184
3	Embden	D	ISTR-84-01	Trib. to Alder Brook	4	INT	N/A	Y	N	N/A	312	75	N	185
3	Embden	D	ISTR-85-01	Jackin Brook	2	INT	B	Y	N	Y	158	75	N	187, 188
3	Starks	D	ISTR-96-07	Trib. to Pelton Brook	3	INT	N/A	Y	Y	N/A	439	75	N	213
3	Starks	D	ISTR-96-08	Trib. to Pelton Brook	4	INT	N/A	Y	Y	N/A	236	75	N	213
3	Starks	D	ISTR-96-09	Trib. to Pelton Brook	2	INT	N/A	Y	Y	N/A	243	75	N	213
3	Starks	D	ISTR-96-10	Trib. to Pelton Brook	5	INT	N/A	Y	Y	N/A	286	75	N	213
3	Starks	D	ISTR-96-11	Trib. to Pelton Brook	2	INT	N/A	Y	Y	N/A	301	75	N	213
3	Starks	D	ISTR-96-12	Trib. to Pelton Brook	2	INT	N/A	Y	Y	N/A	224	75	N	213
3	Starks	D	ISTR-97-02	Trib. to Pelton Brook	100	INT	N/A	Y	Y	N/A	461	75	N	214, 215
3	Starks	D	ISTR-97-03	Trib. to Pelton Brook	2.5	INT	N/A	Y	Y	N/A	495	75	N	214, 215
3	Starks	D	ISTR-97-04	Trib. to Pelton Brook	3	INT	N/A	Y	Y	N/A	340	75	N	214, 215
3	Starks	D	ISTR-97-06	Trib. to Cold Pond/Hilton Brook	4	INT	N/A	Y	Y	N/A	487	75	N	216

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
3	Starks	D	ISTR-97-07	Trib. to Cold Pond/Hilton Brook	2	INT	N/A	Y	Y	N/A	568	75	N	216
3	Starks	D	ISTR-98-01	Trib. to Lemon Stream	2	INT	N/A	Y	Y	N/A	110	75	N	217, 218
3	Starks	D	ISTR-99-01	Trib. to Lemon Stream	2	INT	B	Y	Y	Y	150	75	N	219
3	Lewiston	A	ISTR-PERRON-1	Trib. to Stetson Brook	0	INT	N/A	Y	N	N/A	27	75	N	320
3	Farmington	D	PSTR-112-01	Trib. to Wilson Stream	2	PER	B	Y	Y	Y	304	75	Y	249
3	Chesterville	D	PSTR-114-01	Trib. to Wilson Stream	8	PER	N/A	Y	Y	Y	227	75	N	253, 254
3	Chesterville	D	PSTR-114-04	Trib. to Wilson Stream	1	PER	N/A	Y	Y	Y	349	75	N	252
3	Greene	A	PSTR-141-01	Trib. to Daggett Bog	3	PER	B	Y	N	N/A	121	75	N	312
3	Moscow/ Concord Twp	D	PSTR-75-01	Kennebec River	3	PER	A	Y	N	Y	239	75	N	165, 166
3	Concord Twp	D	PSTR-75-02	Trib. to Kennebec River	2	PER	B	Y	N	Y	222	75	N	166
3	Concord Twp	D	PSTR-76-01	Trib. to Kennebec River	0	PER	B	Y	N	Y	215	75	N	167
3	Concord Twp	D	PSTR-77-01	Trib. to Kennebec River	30	PER	N/A	Y	N	Y	293	75	N	171
3	Concord Twp	D	PSTR-77-02	Trib. to Kennebec River	2	PER	B	Y	N	Y	293	75	N	171
3	Embden	D	PSTR-83-01	Trib. to Alder Brook	6	PER	N/A	Y	N	Y	404	75	Y	184
3	Embden	D	PSTR-83-03	Alder Brook	35	PER	B	Y	N	Y	81	75	Y	183, 184
3	Embden	D	PSTR-83-04	Alder Brook	8	PER	B	Y	N	Y	584	75	N	184

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
3	Embden	D	PSTR-83-07	Trib. to Alder Brook	2.5	PER	B	Y	N	Y	95	75	Y	183
3	Embden	D	PSTR-83-08	Trib. to Alder Brook	6	PER	N/A	Y	N	Y	129	75	N	182, 183
3	Anson	D	PSTR-89-01	Jackin Brook	4.5	PER	N/A	Y	N	Y	331	75	N	196
3	Anson	D	PSTR-90-02	Carrabassett River	400	PER	B	Y	N	Y	33	75	N	199, 200
3	Anson	D	PSTR-91-01	Gilbert Brook	190	PER	B	Y	Y	N/A	195	75	N	201
3	Starks	D	PSTR-96-01	Trib. to Pelton Brook	20	PER	B	Y	Y	Y	235	75	Y	212
3	Starks	D	PSTR-96-05	Pelton Brook	30	PER	B	Y	Y	Y	313	75	Y	213
3	Starks	D	PSTR-97-01	Trib. to Pelton Brook	85	PER	B	Y	Y	Y	235	75	N	214
3	Starks	D	PSTR-97-05	Trib. to Cold Pond/Hilton Brook	20	PER	N/A	Y	Y	N/A	476	75	N	216
3	Starks	D	ISTR-100-01	Trib. To Meadow Brook	2	INT	B	Y	Y	N/A	498	75	N	220
3	Starks	D	ISTR-100-02	Trib. To Meadow Brook	2	INT	N/A	Y	Y	N/A	489	75	Y	221
3	Starks	D	ISTR-100-03	Trib. To Meadow Brook	1	INT	B	Y	Y	N/A	311	75	Y	221
3	Industry	D	PSTR-101-03	Trib. to Josiah Brook	6	PER	N/A	Y	Y	N/A	164	75	N	223
3	Industry	D	ISTR-101-04	Trib. to Josiah Brook	4	INT	N/A	Y	Y	N/A	206	75	N	223
3	Industry	D	PSTR-101-05	Josiah Brook	3	PER	B	Y	Y	N/A	235	75	Y	224
3	Industry	D	ISTR-101-06	Trib. to Josiah Brook	3	INT	N/A	Y	Y	N/A	502	75	Y	224

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
3	Industry	D	ISTR-102-02	Trib. to Josiah Brook	5	INT	B	Y	Y	N/A	183	75	Y	225
3	Industry	D	ISTR-102-03	Trib. to Goodrich Brook	3	INT	N/A	Y	Y	N/A	396	75	N	227
3	Industry	D	ISTR-103-10	Trib. to Goodrich Brook	4	INT	N/A	Y	Y	N/A	318	75	N	227
3	Industry	D	PSTR-103-11	Trib. to Goodrich Brook	7	PER	B	Y	Y	N/A	349	75	N	228
3	Industry	D	PSTR-103-12	Goodrich Brook	15	PER	B	Y	Y	N/A	228	75	Y	229
3	Industry	D	PSTR-103-13	Trib. to Goodrich Brook	7	PER	B	Y	Y	N/A	162	75	N	229
3	Industry	D	PSTR-103-14	Trib. to Goodrich Brook	8	PER	B	Y	Y	N/A	194	75	N	229
3	Industry	D	ISTR-103-15	Trib. to Goodrich Brook	3	INT	N/A	Y	Y	N/A	47	75	N	227
3	Industry	D	ISTR-103-16	Trib. to Goodrich Brook	5	INT	N/A	Y	Y	N/A	368	75	N	227
3	Industry	D	ISTR-104-02	Trib. to Goodrich Brook	4	INT	B	Y	Y	N/A	150	75	N	230
3	Industry	D	PSTR-104-04	Trib. to Goodrich Brook	6	PER	B	Y	Y	N/A	127	75	Y	230
3	New Sharon	D	PSTR-105-01	Muddy Brook	40	PER	B	Y	Y	N/A	412	75	N	232
3	Farmington	D	PSTR-107-02	Trib. to Beales Brook	3.5	PER	B	Y	Y	N/A	117	75	Y	237
3	Farmington	D	ISTR-107-03	Trib. to Beales Brook	1	INT	N/A	Y	Y	N/A	236	75	N	236, 237
3	Farmington	D	PSTR-107-04	Beales Brook	5	PER	B	Y	Y	N/A	416	75	N	236
3	Farmington	D	ISTR-108-05	Trib. to Cascade Brook	1.5	INT	N/A	Y	Y	N/A	22	75	N	239

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
3	Farmington	D	ISTR-108-06	Trib. to Cascade Brook	1.5	INT	B	Y	Y	N/A	320	75	N	239
3	Farmington	D	ISTR-108-07	Trib. to Cascade Brook	4	INT	B	Y	Y	N/A	86	75	N	239, 240
3	Farmington	D	ISTR-108-08	Trib. to Cascade Brook	1.5	INT	B	Y	Y	N/A	57	75	N	239
3	Farmington	D	ISTR-108-09	Trib. to Cascade Brook	1	INT	B	Y	Y	N/A	402	75	N	239
3	Farmington	D	ISTR-109-01	Trib. to Cascade Brook	3	INT	B	Y	Y	N/A	163	75	N	241
3	Farmington	D	PSTR-109-02	Cascade Brook	8	PER	B	Y	Y	N/A	114	75	Y	242
3	Farmington	D	ISTR-109-03	Trib. to Cascade Brook	3	INT	N/A	Y	Y	N/A	435	75	Y	241
3	Farmington	D	PSTR-110-01	Sandy River	70	PER	B	Y	Y	N/A	135	75	N	242, 243
3	Farmington	D	ISTR-111-02	Trib. to Wilson Stream	3.5	INT	N/A	Y	Y	Y	240	75	N	246, 247
3	Farmington	D	ISTR-111-03	Trib. to Wilson Stream	4	INT	N/A	Y	Y	Y	50	75	N	246
3	Farmington	D	PSTR-112-02	Trib. to Wilson Stream	6	PER	N/A	Y	Y	Y	78	75	N	247, 248
3	Farmington	D	PSTR-112-03	Wilson Stream	40	PER	C	Y	Y	Y	61	75	N	247
3	Chesterville	D	PSTR-114-05	Trib. to Wilson Stream	25	PER	B	Y	Y	Y	62	75	Y	252
3	Chesterville	D	ISTR-114-06	Trib. to Wilson Stream	5	INT	B	Y	Y	Y	219	75	N	252
3	Chesterville	D	PSTR-114-07	Trib. to Wilson Stream	5	PER	B	Y	Y	Y	100	75	Y	252, 253
3	Jay	D	ISTR-116-03	Trib. to Sugar Brook	2	INT	N/A	Y	Y	N/A	91	75	Y	256

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
3	Jay	D	PSTR-116-04	Sugar Brook	3.5	PER	B	Y	Y	N/A	302	75	Y	257
3	Jay	D	PSTR-117-02	Trib. To Fuller Brook	5	PER	N/A	Y	Y	N/A	105	75	N	258, 259
3	Jay	D	ISTR-117-03	Trib. To Fuller Brook	4	INT	N/A	Y	Y	N/A	57	75	N	259
3	Jay	D	PSTR-117-04	Fuller Brook	3	PER	B	Y	Y	N/A	68	75	Y	260
3	Jay	D	PSTR-118-01	Fuller Brook	15	PER	B	Y	Y	N/A	475	75	N	262
3	Jay	D	PSTR-119-01	James Brook	15	PER	B	Y	Y	N/A	239	75	Y	263
3	Embden	D	ISTR-85-01	Trib. to Jackin Brook	2	INT	B	Y	N	Y	158	75	N	187, 188
3	Anson	D	ISTR-89-03	Trib. to Fahi Brook	3.5	INT	B	Y	N	N/A	311	75	N	196
3	Anson	D	PSTR-90-01	Trib. to Carrabassett River	5.5	PER	B	Y	N	N/A	372	75	N	198
3	Anson	D	ISTR-90-04	Trib. to Carrabassett River	1.5	INT	N/A	Y	Y	N/A	212	75	N	200
3	Anson	D	ISTR-92-01	Trib. to Carrabassett River	2	INT	N/A	Y	Y	N/A	400	75	N	204
3	Anson	D	ISTR-92-02	Trib. to Carrabassett River	1.5	INT	N/A	Y	Y	N/A	381	75	N	204
3	Anson	D	PSTR-92-03	Gilman Brook	20	PER	B	Y	Y	N/A	373	75	N	205
3	Anson	D	ISTR-92-05	Trib. to Gilman Brook	4.5	INT	N/A	Y	Y	N/A	375	75	N	205
3	Anson	D	PSTR-93-01	Getchell Brook	15	PER	B	Y	Y	N/A	59	75	N	207, 208
3	Anson	D	ISTR-93-02	Trib. to Getchell Brook	4	INT	B	Y	Y	N/A	162	75	Y	208

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
3	Anson	D	PSTR-93-03	Trib. to Getchell Brook	2	PER	B	Y	Y	N/A	413	75	N	208
3	Anson	D	ISTR-95-01	Trib. to Kennebec River	2.5	INT	B	Y	Y	N/A	111	75	Y	209, 210
3	Anson	D	ISTR-95-02	Trib. to Kennebec River	6	INT	N/A	Y	Y	N/A	416	75	N	209, 210
3	Anson	D	ISTR-95-03	Trib. to Kennebec River	1	INT	N/A	Y	Y	N/A	504	75	N	210
3	Anson	D	ISTR-95-04	Trib. to Kennebec River	1	INT	B	Y	Y	N/A	412	75	N	210
3	Starks	D	PSTR-95-05	Trib. to Kennebec River	2	PER	B	Y	Y	N/A	119	75	Y	210
3	Starks	D	PSTR-99-02	Trib. to Lemon Stream	6	PER	B	Y	Y	Y	65	75	Y	219
3	Starks	D	ISTR-99-03	Trib. to Lemon Stream	1	INT	B	Y	Y	Y	129	75	N	219
3	Starks	D	ISTR-99-04	Trib. to Lemon Stream	3	INT	B	Y	Y	Y	119	75	N	219
3	Starks	D	PSTR-99-05	Lemon Stream	55	PER	B	Y	Y	Y	96	75	N	219, 220
3	Starks	D	PSTR-99-06	Trib. to Lemon Stream	6	PER	B	Y	Y	Y	411	75	N	219
3	Starks	D	ISTR-99-07	Lemon Stream	1	INT	N/A	Y	Y	Y	201	75	N	220
3	Anson	D	WB-94-01	Trib. to Getchell Brook	85	Open Water	B	Y	Y	N/A	299	75	N	208
4	Lewiston	A	ISTR-153-01	Trib. to Androscoggin River	3	INT	C	Y	Y	N/A	120	0	N	340
5	Wiscasset	B	ISTR-183-01	Trib. to Montsweag Brook	2	INT	B	Y	Y	N/A	86	0	N	370
5	Wiscasset	B	ISTR-188-09	Trib. to Back River/Monstweag Bay	3	INT	B	Y	Y	N/A	14398	0	N	359

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
5	Whitefield	B	PSTR-171-01	Trib. to Sheespcot River	40	PER	B	Y	Y	Y	302	0	Y	397
5	Whitefield	B	PSTR-172-02	Trib. to Sheespcot River	20	PER	B	Y	Y	Y	80	0	N	395
5	Whitefield	B	ISTR-166-01	Trib. To Finn Brook	2	INT	N/A	Y	Y	N/A	71	0	N	408
5	Whitefield	B	PSTR-166-02	Finn Brook	5	PER	A	Y	Y	Y	294	0	N	408
5	Whitefield	B	PSTR-168-01	East Branch Eastern River	11	PER	B	Y	Y	N/A	189	0	N	403
5	Whitefield	B	PSTR-168-02	East Branch Eastern River	3	PER	B	Y	Y	N/A	58	0	Y	403
5	Whitefield	B	PSTR-169-01	East Branch Eastern River	5	PER	B	Y	Y	N/A	134	0	Y	402
5	Whitefield	B	ISTR-169-02	Trib. to East Branch Eastern River	2	INT	B	Y	Y	N/A	292	0	N	402
5	Whitefield	B	ISTR-169-03	Trib. to East Branch Eastern River	2	INT	N/A	Y	Y	N/A	168	0	Y	402
5	Whitefield	B	ISTR-169-04	Trib. to East Branch Eastern River	1	INT	N/A	Y	Y	N/A	48	0	N	402
5	Whitefield	B	PSTR-170-01	East Branch Eastern River	9	PER	B	Y	Y	N/A	172	0	Y	399, 400
5	Whitefield	B	ISTR-170-02	Trib. to East Branch Eastern River	2	INT	N/A	Y	Y	N/A	42	0	N	400
5	Whitefield	B	PSTR-172-01	Trib. to Sheepscot River	6	PER	B	Y	Y	Y	93	0	N	394
5	Whitefield	B	PSTR-172-03	Trib. to Sheepscot River	2	PER	N/A	Y	Y	N/A	302	0	N	396
5	Whitefield	B	ISTR-173-01	Trib. to Sheepscot River	3	INT	N/A	Y	Y	N/A	250	0	Y	392
5	Whitefield	B	PSTR-174-01	Trib. to Sheepscot River	6	PER	B	Y	Y	Y	186	0	Y	391

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
5	Whitefield	B	ISTR-174-02	Trib. to Sheepscot River	3	INT	B	Y	Y	Y	147	0	Y	391
5	Whitefield	B	PSTR-174-03	Trib. to Sheepscot River	7	PER	B	Y	Y	Y	219	0	Y	389
5	Whitefield	B	ISTR-174-04	Trib. to Sheepscot River	1	INT	B	Y	Y	Y	272	0	N	389
5	Whitefield	B	ISTR-175-01	Trib. to Sheepscot River	1	INT	N/A	Y	Y	N/A	124	0	Y	388
5	Whitefield	B	PSTR-175-02	Trib. to Sheepscot River	3	PER	B	Y	Y	Y	164	0	Y	388
5	Alna	B	PSTR-176-01	Trib. to Sheepscot River	5	PER	B	Y	Y	Y	196	0	Y	387
5	Alna	B	PSTR-177-01	Trib. to Trout Brook	25	PER	B	Y	Y	Y	18	0	N	383
5	Alna	B	PSTR-178-01	Trout Brook	8	PER	A	Y	Y	Y	77	0	N	381, 382
5	Alna	B	PSTR-178-02	Trout Brook	15	PER	A	Y	Y	Y	43	0	N	381, 382
5	Alna	B	PSTR-179-02	Trib. to Trout Brook	6	PER	B	Y	Y	N/A	95	0	Y	379, 380
5	Alna	B	PSTR-179-03	Trib. to Trout Brook	6	PER	B	Y	Y	Y	131	0	N	379
5	Alna	B	ISTR-180-01	Trib. to Trout Brook	1	INT	B	Y	Y	N/A	40	0	N	377
5	Wiscasset	B	ISTR-181-01	Trib. to Ward Brook	3	INT	N/A	Y	Y	N/A	26	0	Y	374
5	Wiscasset	B	ISTR-181-02	Ward Brook	2	INT	B	Y	Y	N/A	42	0	Y	374, 375
5	Wiscasset	B	ISTR-182-01	Trib. Ward Brook	4	INT	N/A	Y	Y	N/A	247	0	N	373
5	Wiscasset	B	PSTR-183-02	Trib. to Montsweag Brook	0.5	PER	B	Y	Y	N/A	39	0	Y	370

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
5	Wiscasset	B	ISTR-183-03	Trib. to Montsweag Brook	2	INT	B	Y	Y	N/A	92	0	N	370
5	Wiscasset	B	ISTR-184-01	Trib. to Montsweag Brook	1.5	INT	B	Y	Y	N/A	140	0	N	369
5	Woolwich	B	ISTR-184-02	Trib. to Montsweag Brook	2.5	INT	N/A	Y	Y	N/A	318	0	N	367
5	Woolwich	B	ISTR-184-03	Trib. To Montsweag Brook	150	INT	B	Y	Y	N/A	113	0	N	367, 368
5	Woolwich	B	ISTR-184-04	Trib. to Montsweag Brook	2.5	INT	B	Y	Y	N/A	23	0	Y	367, 368
5	Wiscasset	B	ISTR-184-05	Trib. to Montsweag Brook	3	INT	B	Y	Y	N/A	167	0	N	369
5	Wiscasset	B	ISTR-184-06	Trib. to Montsweag Brook	2	INT	B	Y	Y	N/A	191	0	N	369
5	Wiscasset	B	PSTR-184-08	Montsweag Brook	25	PER	B	Y	Y	N/A	182	0	N	369
5	Wiscasset	B	ISTR-184-09	Montsweag Brook	30	INT	B	Y	Y	N/A	45	0	N	368, 369
5	Wiscasset	B	ISTR-184-10	Montsweag Brook	2.5	INT	B	Y	Y	N/A	66	0	N	368
5	Woolwich	B	ISTR-185-02	Trib. to Montsweag Brook	2.5	INT	B	Y	Y	N/A	130	0	N	366
5	Woolwich	B	ISTR-185-03	Trib. to Montsweag Brook	1	INT	B	Y	Y	N/A	83	0	N	366
5	Woolwich	B	ISTR-185-04	Trib. to Montsweag Brook	1	INT	B	Y	Y	N/A	57	0	N	366
5	Woolwich	B	ISTR-185-05	Trib. to Montsweag Brook	1	INT	B	Y	Y	N/A	69	0	Y	366
5	Woolwich	B	ISTR-185-06	Trib. to Montsweag Brook	3	INT	B	Y	Y	N/A	204	0	N	N/A
1	Beattie Twp	E	ISTR-00-07	Trib. to West Branch Mill Brook	1	INT	N/A	N	N	N/A	403	150	Y	1

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
1	Beattie Twp	E	ISTR-01-11	Trib. to Mill Brook	1	INT	N/A	N	N	N/A	304	150	N	5
1	Skinner Twp	E	ISTR-05-05	Trib. to Smart Brook	1	INT	N/A	N	N	N/A	112	150	Y	13
1	Skinner Twp	E	ISTR-10-04	Trib. to Bog Brook	1	INT	N/A	N	N	N/A	257	150	N	25
1	Appleton Twp	E	ISTR-12-02	Trib. to Bog Brook	1	INT	N/A	N	N	N/A	560	150	N	29
1	Appleton Twp	E	ISTR-12-12	Trib. to Bog Brook	1	INT	N/A	N	N	N/A	338	150	N	30
1	Appleton Twp	E	ISTR-14-11	Trib. to Gold Brook	1	INT	N/A	N	N	N/A	228	150	N	34
1	Johnson Mountain Twp	E	ISTR-41-02	Trib. to Tomhegan Stream	1	INT	N/A	Y	N	N/A	322	150	Y	94
1	Johnson Mountain Twp	E	PSTR-41-04	Trib. to Cold Stream	2	PER	N/A	Y	N	Y	296	150	N	92
2	Bald Mountain Twp T2 R3	D	ISTR-61-05	Trib. to Wild Brook	1	INT	N/A	Y	N	N/A	371	75	N	136
3	Anson	D	ISTR-88-01	Trib. to Fahi Brook	1	INT	B	Y	N	N/A	629	75	N	196
4	Durham	A	ISTR-156-02	Trib. to Androscoggin River	1	INT	C	Y	Y	N/A	103	0	N	346
5	Wiscasset	B	ISTR-186-02	Trib. to Chewonki Creek	1	INT	B	Y	Y	N/A	3279	0	N	364
5	Wiscasset	B	ISTR-187-01	Trib. to Chewonki Creek	2.5	INT	B	Y	Y	N/A	5206	0	N	363
5	Wiscasset	B	ISTR-187-02	Trib. to Chewonki Creek	1.5	INT	B	Y	Y	N/A	5215	0	N	363
5	Wiscasset	B	ISTR-187-03	Trib. to Chewonki Creek	1.5	INT	B	Y	Y	N/A	5255	0	N	363
5	Wiscasset	B	ISTR-187-05	Trib. to Chewonki Creek	1	INT	B	Y	Y	N/A	5676	0	N	362, 363

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
5	Wiscasset	B	ISTR-187-07	Trib. to Chewonki Creek	1	INT	B	Y	Y	N/A	6071	0	N	362
5	Wiscasset	B	ISTR-187-15	Trib. to Back River/ Monstsweag Bay	1	INT	B	Y	Y	N/A	9418	0	N	361
5	Wiscasset	B	ISTR-187-16	Trib. to Back River/ Monstsweag Bay	1	INT	B	Y	Y	N/A	9274	0	N	361
5	Wiscasset	B	ISTR-187-17	Trib. to Back River/ Monstsweag Bay	1	INT	B	Y	Y	N/A	9292	0	N	361
5	Wiscasset	B	ISTR-187-18	Trib. to Back River/ Monstsweag Bay	1	INT	B	Y	Y	N/A	9271	0	N	361
5	Wiscasset	B	ISTR-187-22	Trib. to Chewonki Creek	1	INT	B	Y	Y	N/A	6527	0	N	362
5	Wiscasset	B	ISTR-187-23	Trib. to Back River/ Monstsweag Bay	2.5	INT	B	Y	Y	N/A	9725	0	N	361
5	Wiscasset	B	ISTR-188-05	Trib. to Back River/ Monstsweag Bay	1	INT	B	Y	Y	N/A	10626	0	N	360
5	Wiscasset	B	ISTR-188-06	Trib. to Back River/ Monstsweag Bay	1	INT	B	Y	Y	N/A	10637	0	N	360
1	Beattie Twp	E	ISTR-01-12	Trib. to Mill Brook	1.5	INT	N/A	N	N	N/A	341	150	Y	5
1	Beattie Twp	E	ISTR-02-09	Trib. to Number One Brook	1.5	INT	N/A	N	N	N/A	467	150	N	7
1	Skinner Twp	E	ISTR-05-09	Trib. to Smart Brook	1.5	INT	N/A	N	N	N/A	145	150	Y	12
1	Skinner Twp	E	ISTR-06-04	Trib. to Smart Brook	1.5	INT	N/A	N	N	N/A	147	150	Y	16
1	Appleton Twp	E	ISTR-12-09	Trib. to Bog Brook	1.5	INT	N/A	N	N	N/A	244	150	N	28
1	Appleton Twp	E	ISTR-12-11	Trib. to Bog Brook	1.5	INT	N/A	N	N	N/A	285	150	N	30
1	Appleton Twp	E	ISTR-14-37	Trib. to Barrett Brook	1.5	INT	N/A	N	N	N/A	384	150	Y	33

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
1	Johnson Mountain Twp	E	ISTR-33-02	Trib. to MountainBrook	1.5	INT	N/A	Y	N	N/A	200	150	N	76
1	Johnson Mountain Twp	E	ISTR-36-05	Trib. to Salmon Stream	1.5	INT	N/A	Y	N	N/A	317	150	N	83
1	Johnson Mountain Twp	E	ISTR-38-11	Trib. to East Branch Salmon Stream	1.5	INT	A	Y	N	N/A	137	150	N	85, 86
1	Johnson Mountain Twp	E	ISTR-38-13	Trib. to East Branch Salmon Stream	1.5	INT	N/A	Y	N	N/A	237	150	N	85, 86
1	Johnson Mountain Twp	E	ISTR-38-14	Trib. to East Branch Salmon Stream	1.5	INT	A	Y	N	N/A	159	150	N	85, 86
2	The Forks Plt	D	ISTR-55-03	Trib. to Moxie Pond	1.5	INT	N/A	Y	N	N/A	494	75	N	123
4	Durham	A	ISTR-158-01	Trib. to Libby Brook	15	INT	B	N	N	N/A	154	0	N	351
4	Durham	A	ISTR-158-02	Trib. to Libby Brook	2	INT	B	N	N	N/A	134	0	N	351
5	Wiscasset	B	ISTR-186-03	Trib. to Chewonki Creek	1.5	INT	B	Y	Y	N/A	2585	0	N	364
5	Wiscasset	B	ISTR-186-04	Trib. to Chewonki Creek	1.5	INT	B	Y	Y	N/A	2763	0	N	364
5	Wiscasset/Woolwich	B	ISTR-186-06	Trib. to Montsweag Brook	1.5	INT	B	Y	Y	N/A	283	0	N	365
5	Wiscasset	B	ISTR-187-13	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	6601	0	N	362
5	Wiscasset	B	ISTR-187-20	Trib. to Chewonki Creek	1.5	INT	B	Y	Y	N/A	8412	0	N	361
5	Wiscasset	B	ISTR-187-21	Trib. to Chewonki Creek	1.5	INT	B	Y	Y	N/A	8399	0	N	361
5	Wiscasset	B	PSTR-187-19	Trib. to Chewonki Creek	1.5	PER	B	Y	Y	N/A	8373	0	N	361
5	Wiscasset	B	PSTR-187-24	Trib. to Chewonki Creek	1.5	PER	B	Y	Y	N/A	7917	0	N	361, 362

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
1	Beattie Twp	E	ISTR-02-13	Trib. to Number One Brook	2	INT	N/A	N	N	N/A	122	150	N	7
1	Skinner Twp	E	ISTR-05-03	Trib. to Smart Brook	2	INT	N/A	N	N	N/A	255	150	N	13
1	Skinner Twp	E	ISTR-05-04	Trib. to Smart Brook	2	INT	N/A	N	N	N/A	146	150	Y	13
1	Skinner Twp	E	ISTR-05-10	Trib. to Smart Brook	2	INT	N/A	N	N	N/A	371	150	Y	12
1	Skinner Twp	E	ISTR-06-01	Trib. to Smart Brook	2	INT	A	N	N	N/A	208	150	Y	16
1	Skinner Twp	E	ISTR-06-02	Trib. to Smart Brook	2	INT	N/A	N	N	N/A	244	150	Y	16
1	Skinner Twp	E	ISTR-06-03	Trib. to Smart Brook	2	INT	A	N	N	N/A	158	150	N	16
1	Skinner Twp	E	ISTR-06-07	Trib. to Smart Brook	2	INT	N/A	N	N	N/A	241	150	Y	15, 16
1	Skinner Twp	E	ISTR-07-03	Trib. to West Branch Moose River	2	INT	A	N	N	N/A	177	150	N	18
1	Skinner Twp	E	ISTR-07-04	Trib. to West Branch Moose River	2	INT	N/A	N	N	N/A	503	150	N	18
1	Skinner Twp	E	ISTR-07-08	Trib. to Hay Bog Brook	2	INT	N/A	N	N	N/A	99	150	Y	17
1	Skinner Twp	E	ISTR-09-03	Trib. to South Branch Moose River	2	INT	N/A	N	N	N/A	521	150	N	22
1	Skinner Twp	E	ISTR-09-04	Trib. to South Branch Moose River	2	INT	A	N	N	N/A	296	150	Y	22
1	Skinner Twp	E	ISTR-09-07	Trib. to South Branch Moose River	2	INT	N/A	N	N	N/A	200	150	N	23
1	Skinner Twp	E	ISTR-09-08	Trib. to South Branch Moose River	2	INT	N/A	N	N	N/A	197	150	N	23
1	Skinner Twp	E	ISTR-09-09	Trib. to South Branch Moose River	2	INT	N/A	N	N	N/A	146	150	N	22

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
1	Skinner Twp	E	ISTR-10-09	Trib. to Bog Brook	2	INT	N/A	N	N	N/A	138	150	N	25
1	Appleton Twp	E	ISTR-12-01	Trib. to Bog Brook	2	INT	N/A	N	N	N/A	494	150	N	29
1	Appleton Twp	E	ISTR-12-05	Trib. to Bog Brook	2	INT	N/A	N	N	N/A	367	150	Y	29, 30
1	Appleton Twp	E	ISTR-13-01	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	132	150	N	32
1	Appleton Twp	E	ISTR-13-02	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	127	150	N	32
1	Appleton Twp	E	ISTR-13-08	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	443	150	N	31
1	Appleton Twp	E	ISTR-13-10	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	147	150	Y	31
1	Appleton Twp	E	ISTR-13-15	Trib. to Bog Brook	2	INT	N/A	N	N	N/A	186	150	N	30, 31
1	Appleton Twp	E	ISTR-13-16	Trib. to Bog Brook	2	INT	N/A	N	N	N/A	200	150	N	30, 31
1	Appleton Twp	E	ISTR-14-03	Trib. to Gold Brook	2	INT	N/A	N	N	N/A	218	150	N	34
1	Appleton Twp	E	ISTR-14-04	Trib. to Gold Brook	2	INT	N/A	N	N	N/A	149	150	N	34
1	Appleton Twp	E	ISTR-14-05	Trib. to Gold Brook	2	INT	N/A	N	N	N/A	217	150	N	34
1	Appleton Twp	E	ISTR-14-08	Trib. to Gold Brook	2	INT	N/A	N	N	N/A	180	150	N	34
1	Appleton Twp	E	ISTR-14-09	Trib. to Gold Brook	2	INT	N/A	N	N	N/A	141	150	Y	34
1	Appleton Twp	E	ISTR-14-10	Trib. to Gold Brook	2	INT	N/A	N	N	N/A	43	150	N	34
1	Appleton Twp	E	ISTR-14-23	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	447	150	N	33

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
1	Appleton Twp	E	ISTR-14-27	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	328	150	N	33
1	Appleton Twp	E	ISTR-14-45	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	484	150	N	33
1	Appleton Twp	E	ISTR-14-46	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	593	150	N	33
1	Appleton Twp	E	ISTR-14-51	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	264	150	N	33
1	Appleton Twp	E	ISTR-14-62	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	218	150	N	32
1	Appleton Twp	E	ISTR-14-66	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	478	150	N	32
1	Appleton Twp	E	ISTR-15-02	Trib. to Gold Brook	2	INT	N/A	Y	N	N/A	205	150	Y	35
1	Appleton Twp	E	ISTR-15-05	Trib. to Gold Brook	2	INT	N/A	Y	N	N/A	85	150	N	35
1	Appleton Twp	E	ISTR-15-09	Trib. to Gold Brook	2	INT	A	Y	N	Y	524	150	N	36
1	Appleton Twp	E	ISTR-15-12	Trib. to Gold Brook	2	INT	N/A	Y	N	N/A	270	150	N	36
1	Appleton Twp	E	ISTR-15-18	Trib. to Gold Brook	2	INT	N/A	N	N	N/A	285	150	N	34
1	Appleton Twp	E	ISTR-16-16	Trib. to Gold Brook	2	INT	A	Y	N	Y	232	150	N	37
1	Appleton Twp	E	ISTR-17-04	Trib. To Rock Pond	2	INT	N/A	Y	N	N/A	355	150	N	40
1	Appleton Twp	E	ISTR-17R-05	Trib. To Rock Pond	2	INT	N/A	Y	N	N/A	484	150	N	40
1	Parlin Pond Twp	E	ISTR-30-02	Trib. to Piel Brook	2	INT	N/A	N	N	N/A	436	150	N	69, 70
1	Johnson Mountain Twp	E	ISTR-35-02	Trib. to Salmon Stream	2	INT	A	Y	N	N/A	178	150	N	80

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
1	Johnson Mountain Twp	E	ISTR-36-01	Trib. to Salmon Stream	2	INT	N/A	Y	N	N/A	425	150	N	83
1	Johnson Mountain Twp	E	ISTR-36-04	Trib. to Salmon Stream	2	INT	N/A	Y	N	N/A	452	150	N	83
1	Johnson Mountain Twp	E	ISTR-38-01	Trib. to East Branch Salmon Stream	2	INT	N/A	Y	N	N/A	193	150	N	87
1	Johnson Mountain Twp	E	ISTR-38-08	Trib. to East Branch Salmon Stream	2	INT	N/A	Y	N	N/A	75	150	N	86
1	Johnson Mountain Twp	E	ISTR-38-12	Trib. to East Branch Salmon Stream	2	INT	A	Y	N	N/A	149	150	N	85, 86
1	Johnson Mountain Twp	E	ISTR-41-04	Trib. to Cold Stream	2	INT	N/A	Y	N	N/A	103	150	N	92, 93
1	Johnson Mountain Twp	E	ISTR-42-10	Trib. to Tomhegan Stream	2	INT	N/A	Y	N	N/A	135	150	Y	94
1	Appleton Twp	E	ISTR-RR-11-03	Trib. to Bog Brook	2	INT	N/A	N	N	N/A	345	150	N	27
1	Appleton Twp	E	ISTR-RR-12-01	Trib. to Bog Brook	2	INT	A	N	N	N/A	249	150	N	27, 28
1	Bradstreet Twp	E	ISTR-SR-29-03	Trib. To Fourmile Brook	2	INT	N/A	N	N	N/A	275	150	N	66
1	Appleton Twp	E	PSTR-14-28	Trib. to Barrett Brook	2	PER	N/A	N	N	N/A	146	150	Y	33
1	Appleton Twp	E	PSTR-14-34	Trib. to Barrett Brook	2	PER	N/A	N	N	N/A	215	150	Y	33
1	Johnson Mountain Twp	E	PSTR-40-08	Trib. to Cold Stream	2	PER	N/A	Y	N	Y	401	150	N	91
1	Johnson Mountain Twp	E	PSTR-40-09	Trib. to Cold Stream	2	PER	N/A	Y	N	Y	314	150	N	91
2	Moscow	D	ESTR-66-12	Trib. to Heald Stream	2	INT	N/A	Y	N	N/A	485	75	N	148, 149
2	The Forks Plt	D	ISTR-53-01	Trib. to Moxie Pond	2	INT	N/A	Y	N	N/A	155	75	N	119

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
2	The Forks Plt	D	ISTR-55-02	Trib. to Moxie Pond	2	INT	N/A	Y	N	N/A	523	75	N	123
2	The Forks Plt	D	ISTR-56-03	Trib. to Moxie Pond	2	INT	N/A	Y	N	N/A	181	75	N	125
2	Bald Mountain Twp T2 R3	D	ISTR-63-07	Trib. to Wild Brook	2	INT	N/A	Y	N	N/A	467	75	N	141
2	Bald Mountain Twp T2 R3	D	PSTR-60-02	Trib. to Baker Stream	2	PER	N/A	Y	N	N/A	196	75	Y	135
3	Industry	D	ISTR-104-01	Trib. to Goodrich Brook	2	INT	N/A	Y	Y	N/A	416	75	N	229
3	Livermore Falls	B	ISTR-123-03	Trib. to Clay Brook	4	INT	B	Y	N	N/A	150	75	N	272
3	Livermore Falls	B	ISTR-128-02	Trib. to Androscoggin River	2	INT	C	Y	N	N/A	234	75	N	283
3	Livermore Falls	B	ISTR-128-03	Trib. to Androscoggin River	2	INT	C	Y	N	N/A	98	75	Y	283
3	Leeds	B	ISTR-135-02	Trib. to Allen Stream	2	INT	B	Y	N	N/A	167	75	N	299
3	Leeds	B	ISTR-135-03	Trib. to Allen Stream	2	INT	B	Y	N	N/A	152	75	N	299, 300
3	Greene	A	ISTR-139-03	Trib. to Allen Pond	2	INT	B	Y	N	N/A	278	75	N	309
3	Greene	A	ISTR-140-02	Trib. to Allen Pond	1.5	INT	B	Y	N	N/A	140	75	N	309
3	Greene	A	ISTR-140-07	Trib. to Allen Pond	2	INT	B	Y	N	N/A	151	75	N	310, 311
3	Lewiston	A	ISTR-145-02	Trib. to Stetson Brook	2	INT	C	Y	N	Y	157	75	N	322
3	Lewiston	A	ISTR-145-03	Trib. to Stetson Brook	8	INT	C	Y	N	N/A	230	75	N	321
3	Lewiston	A	ISTR-146-04	Trib. to Stetson Brook	2	INT	C	Y	N	Y	482	75	N	323

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
3	Starks	D	ISTR-96-03	Trib. to Pelton Brook	2	INT	N/A	Y	Y	N/A	273	75	N	212
3	Livermore Falls	B	PSTR-121-03	Trib. to Clay Brook	2	PER	B	Y	N	N/A	329	0	N	269
3	Livermore Falls	B	PSTR-122-04	Trib. to Clay Brook	2	PER	B	Y	N	N/A	252	75	Y	269, 270
3	Livermore Falls	B	PSTR-122-05	Trib. to Clay Brook	6	PER	B	Y	N	N/A	295	0	N	269
3	Livermore Falls	B	PSTR-122-06	Trib. to Clay Brook	2	PER	B	Y	N	N/A	250	0	N	269
3	Livermore Falls	B	PSTR-125-01	Trib. to Androscoggin River	2	PER	C	Y	N	N/A	294	75	N	276
3	Leeds	B	PSTR-135-01	Trib. to Allen Stream	2	PER	B	Y	N	N/A	322	75	N	299
3	Greene	A	PSTR-144-02	Trib. to Daggett Bog	2	PER	B	Y	N	N/A	232	75	N	319
3	Livermore Falls	B	ISTR-125-06	Trib. to Androscoggin River	2	INT	C	Y	N	N/A	244	75	N	277
3	Livermore Falls	B	ISTR-126-06	Trib. to Androscoggin River	2	INT	C	Y	N	N/A	422	75	N	279
3	Leeds	B	ISTR-134-01	Trib. to Allen Stream	2	INT	B	Y	N	N/A	120	75	Y	298
4	Lewiston	A	ISTR-155-01	Trib. to Androscoggin River	2	INT	C	Y	Y	N/A	147	0	N	343
4	Durham	A	ISTR-157-01	Trib. to House Brook	1.5	INT	B	Y	Y	N/A	134	0	Y	348
4	Pownal	A	ISTR-161-04	Trib. to Runaround Brook	6	INT	B	N	N	N/A	66	0	N	358A
4	Auburn	A	PSTR-156-01	Trib. to Androscoggin River	2	PER	C	Y	Y	N/A	254	0	N	345
4	Auburn	A	PSTR-156-03	Trib. to Androscoggin River	1	PER	C	Y	Y	N/A	114	0	N	346

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
4	Auburn	A	PSTR-156-04	Trib. to Androscoggin River	2	PER	C	Y	Y	N/A	264	0	Y	345
4	Auburn	A	PSTR-156-05	Trib. to Androscoggin River	2	PER	C	Y	Y	N/A	142	0	N	346
4	Auburn	A	PSTR-156-06	Trib. to Androscoggin River	2	PER	C	Y	Y	N/A	266	0	N	345
4	Auburn	A	PSTR-156-07	Trib. to Androscoggin River	2	PER	C	Y	Y	N/A	213	0	N	346
4	Durham	A	PSTR-157-02	House Brook	2	PER	B	Y	Y	N/A	110	0	Y	348
5	Windsor	B	ISTR-162-03	Trib. to West Branch Sheepscot River	2	INT	B	Y	Y	N/A	247	0	N	417
5	Windsor	B	ISTR-162-04	Trib. to West Branch Sheepscot River	2	INT	B	Y	Y	N/A	86	0	N	417
5	Windsor	B	ISTR-162-05	Trib. to West Branch Sheepscot River	2	INT	B	Y	Y	N/A	134	0	N	417
5	Windsor	B	ISTR-162-08	Trib. to West Branch Sheepscot River	2	INT	B	Y	Y	N/A	1420	0	N	N/A
5	Wiscasset	B	ISTR-187-06	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	7230	0	N	362
5	Wiscasset	B	ISTR-187-08	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	6585	0	N	362
5	Wiscasset	B	ISTR-187-09	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	6697	0	N	362
5	Wiscasset	B	ISTR-187-10	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	6575	0	N	362
5	Wiscasset	B	ISTR-187-11	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	6454	0	Y	362
5	Wiscasset	B	ISTR-187-12	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	6364	0	N	362
5	Wiscasset	B	ISTR-187-14	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	6875	0	N	362

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
5	Wiscasset	B	ISTR-188-02	Trib. to Back River/ Monstsweag Bay	2	INT	B	Y	Y	N/A	13559	0	N	359
5	Wiscasset	B	ISTR-188-03	Trib. to Back River/ Monstsweag Bay	2	INT	B	Y	Y	N/A	12507	0	N	359, 360
5	Wiscasset	B	ISTR-188-07	Trib. to Back River/ Monstsweag Bay	2	INT	B	Y	Y	N/A	13617	0	N	359
5	Windsor	B	PSTR-162-02	Trib. to West Branch Sheepscot River	2	PER	B	Y	Y	Y	119	0	N	417
5	Windsor	B	PSTR-162-06	Trib. to West Branch of Sheepscot River	1.5	PER	B	Y	Y	Y	1335	0	N	N/A
1	Beattie Twp	E	ISTR-01-10	Trib. to Mill Brook	2.5	INT	A	N	N	N/A	564	150	Y	5
1	Skinner Twp	E	ISTR-05-08	Trib. to Smart Brook	2.5	INT	N/A	N	N	N/A	215	150	Y	12
1	Johnson Mountain Twp	E	ISTR-36-02	Trib. to Salmon Stream	2.5	INT	A	Y	N	N/A	220	150	Y	82, 83
1	Johnson Mountain Twp	E	ISTR-37-01	Trib. to East Branch Salmon Stream	2.5	INT	N/A	Y	N	N/A	169	150	N	84
1	Beattie Twp	E	ISTR-MS-02-10	Trib. to Number One Brook	2.5	INT	N/A	N	N	N/A	199	150	N	7
1	Beattie Twp	E	PSTR-01-09	Trib. To Mill Brook	2.5	PER	A	N	N	N/A	490	150	Y	5
2	Bald Mountain Twp T2 R3	D	ISTR-60-05	Trib. to Joes Hole	2.5	INT	N/A	Y	N	N/A	134	75	N	134
2	Bald Mountain Twp T2 R3	D	ISTR-63-05	Trib. to Wild Brook	2.5	INT	N/A	Y	N	N/A	438	75	N	140
2	Bald Mountain Twp T2 R3	D	ISTR-64-03	Trib. to Wild Brook	2.5	INT	N/A	Y	N	N/A	394	75	N	142, 143
2	Moscow	D	ISTR-65-04	Trib. to Little Heald Brook	2.5	INT	A	Y	N	Y	220	75	N	146
2	Bald Mountain Twp T2 R3	D	PSTR-60-07	Trib. to Joes Hole	2.5	PER	A	Y	N	Y	379	75	N	133

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
2	Moscow	D	PSTR-65-03	Little Heald Stream	2.5	PER	A	Y	N	Y	139	75	N	146
3	Leeds	B	ISTR-134-02	Trib. to Allen Stream	2.5	INT	B	Y	N	N/A	116	75	N	297
3	Leeds	B	ISTR-134-03	Trib. to Allen Stream	2.5	INT	B	Y	N	N/A	51	75	N	297
1	Beattie Twp	E	ISTR-00-01	Trib. to West Branch Mill Brook	3	INT	N/A	N	N	N/A	352	150	Y	1
1	Beattie Twp	E	ISTR-00-08	Trib. to West Branch Mill Brook	3	INT	N/A	N	N	N/A	181	150	Y	1
1	Beattie Twp	E	ISTR-02-04	Trib. to Number One Brook	3	INT	N/A	N	N	N/A	235	150	Y	7
1	Beattie Twp	E	ISTR-02-08	Trib. to Number One Brook	3	INT	N/A	N	N	N/A	433	150	Y	7
1	Skinner Twp	E	ISTR-05-06	Trib. to Smart Brook	3	INT	N/A	N	N	N/A	139	150	Y	12, 13
1	Skinner Twp	E	ISTR-05-07	Trib. to Smart Brook	3	INT	N/A	N	N	N/A	354	150	Y	12, 13
1	Skinner Twp	E	ISTR-06-05	Trib. to Smart Brook	3	INT	N/A	N	N	N/A	199	150	Y	16
1	Skinner Twp	E	ISTR-06-08	Trib. to Smart Brook	3	INT	N/A	N	N	N/A	145	150	Y	15
1	Skinner Twp	E	ISTR-07-01	Trib. to West Branch Moose River	3	INT	N/A	N	N	N/A	138	150	Y	18, 19
1	Skinner Twp	E	ISTR-07-07	Trib. to Hay Bog Brook	3	INT	N/A	N	N	N/A	432	150	Y	17
1	Skinner Twp	E	ISTR-09-10	Trib. to South Branch Moose River	3	INT	N/A	N	N	N/A	350	150	N	21, 22
1	Skinner Twp	E	ISTR-10-10	Trib. to Bog Brook	3	INT	N/A	N	N	N/A	245	150	N	25
1	Appleton Twp	E	ISTR-12-04	Trib. to Bog Brook	3	INT	N/A	N	N	N/A	398	150	N	29, 30

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
1	Appleton Twp	E	ISTR-14-06	Trib. to Gold Brook	3	INT	N/A	N	N	N/A	215	150	N	34
1	Appleton Twp	E	ISTR-14-67	Trib. to Barrett Brook	3	INT	N/A	N	N	N/A	372	150	Y	32
1	Appleton Twp	E	ISTR-15-10	Trib. to Gold Brook	3	INT	N/A	Y	N	N/A	251	150	Y	36
1	Appleton Twp	E	ISTR-16-01	Trib. to Baker Stream	25	INT	N/A	Y	N	N/A	289	150	N	38, 39
1	Appleton Twp	E	ISTR-17-02	Trib. to Baker Stream	3	INT	N/A	Y	N	N/A	142	150	Y	39
1	T5 R7 BKP WKR	E	ISTR-18-08	Trib. to Fish Pond	3	INT	N/A	Y	N	N/A	392	150	N	41, 42
1	T5 R7 BKP WKR/Hobbstown Twp	E	ISTR-18-11	Trib. to Fish Pond	3	INT	N/A	Y	N	N/A	402	150	Y	42
1	Bradstreet Twp	E	ISTR-26-03	Trib. to Horse Brook	3	INT	N/A	N	N	N/A	48	150	N	60
1	Bradstreet Twp	E	ISTR-26-04	Trib. to Horse Brook	3	INT	N/A	N	N	N/A	66	150	N	60
1	Johnson Mountain Twp	E	ISTR-38-03	Trib. to East Branch Salmon Stream	3	INT	N/A	Y	N	N/A	510	150	N	87
1	Johnson Mountain Twp	E	ISTR-38-07	East Branch Salmon Stream	3	INT	A	Y	N	N/A	206	150	N	86, 87
1	Johnson Mountain Twp	E	ISTR-42-08	Trib. to Tomhegan Stream	3	INT	N/A	Y	N	N/A	210	150	N	94
1	West Forks Plt	D	ISTR-44-08	Tomhegan Stream	3	INT	A	Y	N	N/A	345	150	N	100
1	West Forks Plt	D	ISTR-45-04	Trib. to Tomhegan Stream	3	INT	N/A	Y	N	N/A	309	150	N	100, 101
1	Beattie Twp	E	ISTR-MS-02-08	Trib. to Number One Brook	3	INT	N/A	N	N	N/A	267	150	N	7
1	Beattie Twp	E	ISTR-MS-02-09	Trib. to Number One Brook	3	INT	N/A	N	N	N/A	267	150	N	7

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
1	Skinner Twp	E	ISTR-RR-11-04	Trib. to Bog Brook	3	INT	A	N	N	N/A	208	150	Y	26
1	Beattie Twp	E	PSTR-00-06	Trib. to West Branch Mill Brook	3	PER	A	N	N	N/A	395	150	Y	1
1	Appleton Twp	E	PSTR-16-10	Trib. to Gold Brook	3	PER	A	Y	N	Y	478	150	N	37
1	Appleton Twp	E	PSTR-16-101	Trib. to Gold Brook	3	PER	A	Y	N	Y	356	150	N	37
1	T5 R7 BKP WKR	E	PSTR-18-15	Trib. to Fish Pond	3	PER	A	Y	N	Y	167	150	N	41
1	Hobbstown Twp	E	PSTR-20-01	Trib. to Little Spencer Stream	3	PER	A	Y	N	Y	398	150	N	46
1	T5 R7 BKP WKR	E	PSTR-23-01	Trib. to Whipple Brook	3	PER	N/A	Y	N	Y	176	150	N	52
1	Bradstreet Twp	E	PSTR-26-05	Trib. to Horse Brook	3	PER	N/A	N	N	N/A	293	150	N	60
1	West Forks Plt	D	PSTR-44-07	Tomhegan Stream	3	PER	N/A	Y	N	N/A	155	150	N	100
2	The Forks Plt	D	ISTR-54-02	Trib. to Moxie Pond	3	INT	A	Y	N	Y	103	75	Y	120
2	Bald Mountain Twp T2 R3	D	ISTR-62-01	Trib. to Wild Brook	3	INT	N/A	Y	N	N/A	267	75	N	139
2	Bald Mountain Twp T2 R3	D	ISTR-62-02	Trib. to Wild Brook	3	INT	N/A	Y	N	N/A	342	75	N	139
2	Bald Mountain Twp T2 R3	D	ISTR-62-03	Trib. to Wild Brook	3	INT	N/A	Y	N	N/A	255	75	N	140
2	Bald Mountain Twp T2 R3	D	ISTR-63-08	Trib. to Wild Brook	3	INT	N/A	Y	N	N/A	438	75	N	141
2	Bald Mountain Twp T2 R3	D	ISTR-63-09	Trib. to Wild Brook	3	INT	N/A	Y	N	N/A	322	75	N	141
2	Bald Mountain Twp T2 R3	D	ISTR-64-05	Trib. to Wild Brook	3	INT	N/A	Y	N	N/A	303	75	N	142

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
2	Moscow	D	ISTR-66-05	Heald Stream	3	INT	A	Y	N	Y	454	75	N	147
2	Moscow	D	PSTR-65-01	Trib. to Little Heald Brook	3	PER	N/A	Y	N	Y	48	75	Y	145
3	Jay	D	ISTR-121-01	Trib. to Clay Brook	3	INT	B	Y	N	N/A	227	0	N	268
3	Livermore Falls	B	ISTR-123-02	Trib. to Clay Brook	3	INT	B	Y	N	N/A	114	75	N	272
3	Livermore Falls	B	ISTR-124-01	Trib. to Androscoggin River	3	INT	C	Y	N	N/A	253	75	N	274
3	Livermore Falls	B	ISTR-124-02	Trib. to Androscoggin River	3	INT	C	Y	N	N/A	429	75	N	274
3	Livermore Falls	B	ISTR-126-01	Trib. to Androscoggin River	3	INT	C	Y	N	N/A	297	75	N	279
3	Livermore Falls	B	ISTR-127-03	Trib. to Hunton Brook	30	INT	B	Y	N	N/A	529	75	N	282
3	Leeds	B	ISTR-130-02	Trib. to Androscoggin River	3	INT	C	Y	N	N/A	58	75	Y	287
3	Leeds	B	ISTR-130-03	Trib. to Androscoggin River	3	INT	C	Y	N	N/A	351	75	Y	287, 288
3	Leeds	B	ISTR-131-02	Trib. To Dead River	3	INT	B	Y	N	N/A	142	75	N	291
3	Leeds	B	ISTR-132-01	Trib. To Dead River	3	INT	B	Y	N	N/A	183	75	Y	292
3	Greene	A	ISTR-138-03	Trib. to Allen Stream	3	INT	B	Y	N	N/A	254	75	N	306
3	Greene	A	ISTR-140-04	Trib. to Allen Pond	3	INT	B	Y	N	N/A	296	75	N	309
3	Greene	A	ISTR-140-05	Trib. to Allen Pond	3	INT	B	Y	N	N/A	265	75	N	309
3	Starks	D	ISTR-96-04	Trib. to Pelton Brook	3	INT	N/A	Y	Y	N/A	485	75	N	212

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
3	Jay/Livermore Falls	D	PSTR-121-02	Trib. to Clay Brook	3	PER	B	Y	N	N/A	132	0	N	268, 269
3	Jay	D	PSTR-121-04	Trib. to Clay Brook	3	PER	B	Y	N	N/A	73	0	Y	267, 268, 269
3	Livermore Falls	B	PSTR-128-01	Trib. to Androscoggin River	3	PER	C	Y	N	N/A	108	75	Y	282, 283
3	Leeds	B	PSTR-133-01	Trib. to Allen Stream	3	PER	B	Y	N	N/A	183	75	Y	295
3	Starks	D	PSTR-96-02	Trib. to Pelton Brook	3	PER	B	Y	Y	Y	233	75	N	212
4	Lewiston	A	ISTR-150-02	Trib. to No Name Brook	3	INT	B	Y	Y	N/A	211	0	Y	333
4	Pownal	A	ISTR-161-02	Trib. to Runaround Brook	3	INT	B	N	N	N/A	189	0	Y	356
4	Lewiston	A	PSTR-146-01	Trib. to Stetson Brook	4	PER	B	Y	N	Y	68	0	N	324
4	Lewiston	A	PSTR-146-02	Trib. to Stetson Brook	4	PER	B	Y	N	Y	126	0	N	324
4	Lewiston	A	PSTR-152-01	Trib. to No Name Brook	3	PER	B	Y	Y	N/A	165	0	N	337
5	Wiscasset	B	ISTR-186-05	Trib. to Montsweag Brook	1.5	INT	B	Y	Y	N/A	1332	0	N	364, 365
5	Wiscasset	B	ISTR-186-07	Trib. to Montsweag Brook	3	INT	B	Y	Y	N/A	1145	0	N	365
5	Wiscasset	B	ISTR-188-01	Trib. to Back River/ Monstweag Bay	3	INT	B	Y	Y	N/A	14503	0	N	359
5	Wiscasset	B	ISTR-188-08	Trib. to Back River/ Monstsweag Bay	3	INT	B	Y	Y	N/A	11884	0	N	360
1	Beattie Twp	E	ISTR-MS-02-11	Trib. to Number One Brook	3.5	INT	N/A	N	N	N/A	565	150	N	7
2	Bald Mountain Twp T2 R3	D	PSTR-61-08	Trib. to Baker Stream	3.5	PER	N/A	Y	N	N/A	237	75	N	136

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
4	Lewiston	A	PSTR-147-01	Trib. to No Name Brook	3.5	PER	C	Y	Y	N/A	120	0	Y	326, 327
4	Lewiston	A	PSTR-148-01	Trib. to No Name Pond	3.5	PER	B	Y	Y	N/A	164	0	Y	329
1	Beattie Twp	E	ISTR-02-01	Trib. to Number One Brook	4	INT	N/A	N	N	N/A	565	150	Y	7
1	Skinner Twp	E	ISTR-08-02	Trib. to West Branch Moose River	4	INT	A	N	N	N/A	336	150	N	20, 21
1	Skinner Twp	E	ISTR-09-05	Trib. to South Branch Moose River	4	INT	A	N	N	N/A	231	150	Y	22, 23
1	Appleton Twp	E	ISTR-12-06	Trib. to Bog Brook	4	INT	N/A	N	N	N/A	398	150	N	29, 30
1	Appleton Twp	E	ISTR-14-01	Trib. to Gold Brook	4	INT	N/A	N	N	N/A	343	150	N	34
1	Appleton Twp	E	ISTR-16-04	Trib. to Gold Brook	4	INT	A	Y	N	Y	612	150	N	37
1	Appleton Twp	E	ISTR-16-05	Trib. to Gold Brook	4	INT	A	Y	N	Y	419	150	N	37
1	T5 R7 BKP WKR	E	ISTR-18-16	Trib. to Fish Pond	4	INT	A	Y	N	Y	252	150	N	41
1	Johnson Mountain Twp	E	ISTR-31-02	Trib. to Piel Brook	3	INT	N/A	N	N	N/A	142	150	N	71
1	Johnson Mountain Twp	E	ISTR-38-05	Trib. to East Branch Salmon Stream	4	INT	A	Y	N	N/A	153	150	Y	86, 87
1	Johnson Mountain Twp	E	ISTR-41-05	Trib. to Cold Stream	4	INT	N/A	Y	N	N/A	484	150	N	93
1	Johnson Mountain Twp	E	ISTR-42-02	Trib. to Tomhegan Stream	4	INT	N/A	Y	N	N/A	217	150	N	96
1	Johnson Mountain Twp	E	ISTR-42-13	Trib. To Little Wilson Hill Pond	4	INT	N/A	Y	N	N/A	374	150	Y	94, 95
1	West Forks Plt	D	ISTR-45-02	Trib. to Tomhegan Stream	4	INT	N/A	Y	N	N/A	428	150	N	100

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
1	Bradstreet Twp	E	ISTR-SRD1-28-03	Fourmile Brook	4	INT	A	N	N	N/A	100	150	N	63
1	Skinner Twp	E	PSTR-05-02	Smart Brook	4	PER	A	N	N	N/A	111	150	Y	13
1	Skinner Twp	E	PSTR-09-06	Trib. to South Branch Moose River	4	PER	A	N	N	N/A	139	150	Y	22, 23
1	Appleton Twp	E	PSTR-14-30	Trib. to Barrett Brook	4	PER	N/A	N	N	N/A	152	150	Y	33
1	Appleton Twp	E	PSTR-14-36	Trib. to Barrett Brook	4	PER	N/A	N	N	N/A	309	150	Y	33
1	Appleton Twp	E	PSTR-14-68	Trib. to Barrett Brook	4	PER	N/A	N	N	N/A	125	150	Y	32
1	Appleton Twp	E	PSTR-15-04	Trib. to Gold Brook	4	PER	N/A	Y	N	Y	148	150	Y	35, 36
1	Appleton Twp	E	PSTR-16-14	Trib. to Gold Brook	4	PER	A	Y	N	Y	336	150	N	37
1	T5 R7 BKP WKR/Hobbstown Twp	E	PSTR-18-06	Trib. to Fish Pond	4	PER	A	Y	N	Y	509	150	Y	42
1	Johnson Mountain Twp	E	PSTR-38-02	Trib. to East Branch Salmon Stream	4	PER	A	Y	N	N/A	422	150	Y	87
1	Johnson Mountain Twp	E	PSTR-38-15	Trib. to East Branch Salmon Stream	4	PER	A	Y	N	N/A	207	150	N	85
1	West Forks Plt	D	PSTR-44-09	Tomhegan Stream	4	PER	A	Y	N	N/A	300	150	N	100
1	Bradstreet Twp	E	PSTR-SR-29-05	Trib. to Piel Brook	4	PER	N/A	N	N	N/A	212	150	N	66
2	Moscow	D	ISTR-66-07	Trib. to Heald Stream	4	INT	N/A	Y	N	N/A	263	75	Y	147
2	Bald Mountain Twp T2 R3	D	PSTR-60-01	Trib. to Baker Stream	4	PER	N/A	Y	N	N/A	161	75	N	135
2	Bald Mountain Twp T2 R3	D	PSTR-63-06	Trib. to Wild Brook	4	PER	N/A	Y	N	Y	333	75	N	141

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
2	Bald Mountain Twp T2 R3	D	PSTR-63-11	Trib. to Wild Brook	4	PER	N/A	Y	N	Y	297	75	N	142
2	Bald Mountain Twp T2 R3	D	PSTR-64-06	Trib. to Wild Brook	4	PER	N/A	Y	N	Y	118	75	N	143
3	Livermore Falls	B	ISTR-123-01	Trib. to Clay Brook	4	INT	B	Y	N	N/A	85	75	N	272
3	Livermore Falls	B	ISTR-125-02	Trib. to Androscoggin River	2	INT	C	Y	N	N/A	482	75	N	277
3	Livermore Falls	B	ISTR-125-05	Trib. to Androscoggin River	4	INT	C	Y	N	N/A	319	75	N	277
3	Leeds	B	ISTR-131-01	Trib. to Dead River	4	INT	B	Y	N	N/A	15	75	Y	289
3	Greene	A	ISTR-138-01	Trib. to Allen Pond	4	INT	B	Y	N	N/A	100	75	N	307
3	Greene	A	ISTR-138-02	Trib. to Allen Pond	4	INT	B	Y	N	N/A	312	75	N	307
3	Greene	A	ISTR-140-03	Trib. to Allen Pond	6	INT	B	Y	N	N/A	197	75	Y	310
3	Greene	A	ISTR-141-02	Trib. to Daggett Bog	4	INT	B	Y	N	N/A	268	75	N	312
3	Livermore Falls	B	PSTR-126-02	Trib. to Androscoggin River	4	PER	C	Y	N	N/A	333	75	N	279
3	Livermore Falls	B	PSTR-126-05	Trib. to Androscoggin River	4	PER	C	Y	N	N/A	346	75	N	279
3	Livermore Falls	B	PSTR-127-02	Trib. to Hunton Brook	30	PER	B	Y	N	N/A	493	75	N	281
3	Greene	A	PSTR-139-01	Trib. to Allen Stream	4	PER	B	Y	N	N/A	480	75	Y	307
3	Greene	A	PSTR-139-02	Trib. to Allen Stream	4	PER	B	Y	N	N/A	500	75	N	307
3	Greene	A	PSTR-140-06	Trib to Allen Pond	4	PER	B	Y	N	N/A	324	75	N	310

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
3	Greene	A	PSTR-140-08	Trib. to Allen Pond	4	PER	B	Y	N	N/A	94	75	Y	309
3	Greene	A	PSTR-140-09	Trib. to Allen Pond	4	PER	B	Y	N	N/A	132	75	N	309
3	Lewiston	A	PSTR-145-01	Trib. to Stetson Brook	4	PER	C	Y	N	Y	8	75	Y	321, 322, 323
4	Lewiston	A	ISTR-150-01	Trib. to No Name Brook	4	INT	B	Y	Y	N/A	199	0	Y	332
5	Wiscasset	B	ISTR-186-01	Trib. to Chewonki Creek	4	INT	B	Y	Y	N/A	4560	0	N	363
5	Wiscasset	B	PSTR-188-04	Trib. to Back River/ Monstsweag Bay	1	PER	B	Y	Y	N/A	11480	0	N	360
3	Anson	D	PSTR-89-02	Trib. to Fahi Brook	5	PER	B	Y	N	N/A	503	75	N	196
4	Lewiston	A	PSTR-148-02	Trib. to No Name Pond	4.5	PER	B	Y	Y	N/A	230	0	Y	329
1	Johnson Mountain Twp	E	ISTR-31-01	Trib. to Piel Brook	5	INT	N/A	N	N	N/A	306	150	N	71
1	Johnson Mountain Twp	E	ISTR-32-01	Trib. to Piel Brook	5	INT	A	N	N	N/A	174	150	N	74
1	Johnson Mountain Twp	E	ISTR-32-02	Trib. to Piel Brook	5	INT	A	N	N	N/A	108	150	Y	74
1	Johnson Mountain Twp	E	ISTR-42-07	Trib. to Tomhegan Stream	5	INT	N/A	Y	N	N/A	171	150	N	94
1	Johnson Mountain Twp	E	ISTR-EM-33-01	Trib. To Twomile Brook	5	INT	N/A	Y	N	N/A	235	150	N	75
1	Johnson Mountain Twp	E	ISTR-EM-34-03	Trib. To Mountain	5	INT	N/A	Y	N	N/A	63	150	Y	77
1	Johnson Mountain Twp	E	ISTR-EM-34-05	Trib. To Mountain	5	INT	N/A	Y	N	N/A	258	150	Y	77
1	Appleton Twp	E	PSTR-14-24	Trib. to Barrett Brook	5	PER	N/A	N	N	N/A	292	150	Y	33

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
1	Appleton Twp	E	PSTR-14-47	Trib. to Barrett Brook	5	PER	N/A	N	N	N/A	625	150	N	33
1	T5 R7 BKP WKR/Hobbstown Twp	E	PSTR-18-05	Trib. to Fish Pond	5	PER	A	Y	N	Y	453	150	Y	42
1	T5 R7 BKP WKR	E	PSTR-21-02	Trib. to Little Spencer Stream	5	PER	A	Y	N	Y	466	150	N	48, 49
1	T5 R7 BKP WKR	E	PSTR-21-2A	Trib. to Little Spencer Stream	5	PER	A	Y	N	Y	535	150	N	48, 49
1	Johnson Mountain Twp	E	PSTR-40-07	Trib. to Cold Stream	5	PER	N/A	Y	N	Y	200	150	N	91, 92
1	West Forks Plt	D	PSTR-44-05	Tomhegan Stream	5	PER	A	Y	N	N/A	397	150	N	100
1	West Forks Plt	D	PSTR-44-06	Tomhegan Stream	5	PER	A	Y	N	N/A	268	150	N	100
1	West Forks Plt	D	PSTR-45-03	Trib. to Tomhegan Stream	5	PER	N/A	Y	N	N/A	107	150	Y	100
1	Bradstreet Twp	E	PSTR-SRD1-02	Trib. to Piel Brook	5	PER	N/A	N	N	N/A	273	150	N	66
2	The Forks Plt	D	ISTR-57-02	Trib. to Mosquito Stream	5	INT	A	Y	N	Y	180	75	N	127
2	Moscow	D	ISTR-66-08	Trib. to Heald Stream	5	INT	N/A	Y	N	N/A	285	75	N	148
2	Moscow	D	ISTR-66-09	Trib. to Heald Stream	5	INT	N/A	Y	N	N/A	96	75	Y	148
2	Moscow	D	ISTR-66-10	Trib. to Heald Stream	5	INT	N/A	Y	N	N/A	6	75	Y	148, 149
2	Bald Mountain Twp T2 R3	D	PSTR-60-06	Trib. to Joes Hole	5	PER	A	Y	N	Y	376	75	N	133
2	Bald Mountain Twp T2 R3	D	PSTR-61-01	Wild Brook	5	PER	A	Y	N	Y	511	75	Y	137
2	Bald Mountain Twp T2 R3	D	PSTR-64-02	Trib. to Wild Brook	5	PER	N/A	Y	N	Y	438	75	N	142, 143

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
3	Livermore Falls	B	PSTR-122-02	Trib. to Clay Brook	5	PER	B	Y	N	N/A	208	75	N	270
3	Livermore Falls	B	PSTR-122-03	Clay Brook/Redwater Brook	5	PER	B	Y	N	N/A	62	75	Y	270, 271
3	Livermore Falls	B	PSTR-126-03	Trib. to Androscoggin River	5	PER	C	Y	N	N/A	141	75	N	280
3	Lewiston	A	PSTR-146-03	Trib. to Androscoggin River	2	PER	C	Y	N	N/A	419	75	N	323
3	Lewiston	A	PSTR-146-05	Trib. to Androscoggin River	1	PER	C	Y	N	N/A	156	75	N	323
3	Starks	D	PSTR-96-06	Pelton Brook	5	PER	B	Y	Y	Y	349	75	N	213
4	Pownal	A	PSTR-161-01	Runaround Brook	5	PER	B	N	N	N/A	31	0	Y	358, 358A
4	Pownal	A	PSTR-161-03	Runaround Brook	5	PER	B	N	N	N/A	472	0	N	358
5	Wiscasset	B	ISTR-187-04	Trib. to Chewonki Creek	5	INT	B	Y	Y	N/A	5067	0	N	363
1	West Forks Plt	D	PSTR-45-3	Tomhegan Stream	6	PER	A	Y	N	N/A	368	150	N	100
1	Skinner Twp	E	PSTR-05-01	Smart Brook	6	PER	A	N	N	N/A	267	150	Y	13
1	Skinner Twp	E	PSTR-07-02	Trib. to West Branch Moose River	6	PER	A	N	N	N/A	152	150	Y	18
1	Skinner Twp	E	PSTR-08-04	Trib. to West Branch Moose River	6	PER	A	N	N	N/A	107	150	Y	20
1	Appleton Twp	E	PSTR-11-07	Trib. to Bog Brook	6	PER	A	N	N	N/A	582	150	N	27
1	Appleton Twp	E	PSTR-14-49	Trib. to Barrett Brook	6	PER	N/A	N	N	N/A	607	150	N	33
1	Johnson Mountain Twp	E	PSTR-38-06	Trib. to East Branch Salmon Stream	6	PER	A	Y	N	N/A	133	150	Y	86, 87

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
1	Johnson Mountain Twp	E	PSTR-38-10	Trib. to East Branch Salmon Stream	6	PER	A	Y	N	N/A	133	150	Y	86
1	Merrill Strip Twp/Beattie Twp	E	PSTR-LT-1	Trib. to Number One Brook	6	PER	A	N	N	N/A	191	150	N	10
2	The Forks Plt	D	ISTR-55-01	Trib. to Moxie Pond	6	INT	N/A	Y	N	N/A	445	75	Y	123
2	Bald Mountain Twp T2 R3	D	ISTR-59-02	Trib. to Little Sandy Stream	6	INT	A	Y	N	Y	185	75	N	131
2	Moscow	D	ISTR-66-06	Trib. to Heald Stream	6	INT	N/A	Y	N	N/A	239	75	Y	147
2	Moscow	D	ISTR-67-01	Trib. to Austin Stream	6	INT	N/A	Y	N	N/A	112	75	Y	149, 150
2	Bald Mountain Twp T2 R3	D	PSTR-63-10	Trib. to Wild Brook	6	PER	N/A	Y	N	Y	229	75	N	142
3	Leeds	B	PSTR-136-01	Trib. to Androscoggin River	6	PER	B	Y	N	N/A	194	75	Y	302
3	Greene	A	PSTR-140-01	Allen Stream	6	PER	B	Y	N	N/A	292	75	N	310
3	Greene	A	PSTR-143-01	Stetson Brook	6	PER	B	Y	N	N/A	24	75	Y	318
3	Greene	A	PSTR-144-01	Trib. to Stetson Brook	6	PER	B	Y	N	Y	220	75	Y	318
5	Windsor	B	PSTR-162-01	Trib. to West Branch Sheepscot River	8	PER	B	Y	Y	Y	265	0	N	417
5	Windsor	B	PSTR-162-09	Trib. to West Branch Sheepscot River	3	PER	B	Y	Y	Y	74	0	N	416, 417
5	Windsor	B	PSTR-162-13	Trib. to West Branch Sheepscot River	1.5	PER	B	Y	Y	Y	778	0	N	417
1	Appleton Twp	E	PSTR-14-33	Trib. to Barrett Brook	7	PER	N/A	N	N	N/A	279	150	Y	33
2	Moscow	D	ISTR-69-01	Trib. to Austin Stream	7	INT	N/A	Y	N	N/A	132	75	N	156, 157

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
2	Bald Mountain Twp T2 R3	D	PSTR-63-03	Wild Brook	7	PER	A	Y	N	Y	405	75	N	140
2	Bald Mountain Twp T2 R3	D	PSTR-63-04	Wild Brook	7	PER	A	Y	N	Y	308	75	N	140
1	Bradstreet Twp	E	ISTR-27-02	Trib. To Fourmile Brook	8	INT	N/A	N	N	N/A	163	150	N	61, 62
1	T5 R7 BKP WKR	E	PSTR-18-14	Trib. to Fish Pond	8	PER	A	Y	N	Y	147	150	Y	41
1	Johnson Mountain Twp	E	PSTR-31-06	Trib. to Piel Brook	8	PER	A	N	N	N/A	96	150	Y	71
1	Bradstreet Twp	E	PSTR-SRD1-28-04	Fourmile Brook	8	PER	A	N	N	N/A	124	150	N	63
2	Moscow	D	ISTR-72-107	Trib. to Chase Stream	8	INT	A	Y	N	Y	325	75	N	160
3	Livermore Falls	B	ISTR-126-04	Trib. to Androscoggin River	3	INT	C	Y	N	N/A	132	75	Y	280
3	Leeds	B	ISTR-130-01	Trib. to Dead River	8	INT	B	Y	N	N/A	296	75	N	289
3	Leeds	B	PSTR-130-04	Dead River	60	PER	B	Y	N	N/A	91	75	N	289
3	Livermore Falls	B	PSTR-122-01	Trib. to Clay Brook	5	PER	B	Y	N	N/A	466	0	N	269, 270
3	Livermore Falls	B	PSTR-122-07	Trib. to Clay Brook	5	PER	B	Y	N	N/A	311	0	N	270
4	Auburn	A	PSTR-155-02	House Brook	8	PER	B	Y	Y	N/A	160	0	N	345
5	Windsor	B	ISTR-162-07	Trib. to West Branch Sheepscot River	8	INT	B	Y	Y	N/A	84	0	N	417
5	Windsor	B	ISTR-162-14	Trib. to West Branch Sheepscot River	8	INT	B	Y	Y	N/A	53	0	N	416
1	Johnson Mountain Twp	E	PSTR-EM-34-01	Mountain Brook	9	PER	A	Y	N	N/A	233	150	N	76

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
4	Durham	A	PSTR-160-01	Runaround Brook	9	PER	B	N	N	N/A	189	0	Y	355
5	Windsor	B	PSTR-163-01	Trib. to West Branch Sheepscot River	40	PER	AA	Y	Y	Y	96	0	N	415
5	Woolwich	B	PSTR-185-01	Trib. to Montsweag Brook	9.5	PER	B	Y	Y	N/A	74	0	N	365
1	Appleton Twp	E	PSTR-12-07	Trib. to Bog Brook	10	PER	A	N	N	N/A	239	150	Y	28
1	Appleton Twp	E	PSTR-16-07	Trib. to Gold Brook	10	PER	A	Y	N	Y	325	150	N	37
1	Bradstreet Twp	E	PSTR-26-01	Trib. to Moose River	10	PER	A	N	N	N/A	285	150	N	59
1	West Forks Plt	D	PSTR-45-01	Trib. to Cold stream	10	PER	N/A	Y	N	Y	214	150	N	102
1	West Forks Plt	D	PSTR-46-04	Trib. To Kennebec River	10	PER	N/A	Y	N	Y	151	150	N	104
1	Johnson Mountain Twp	E	PSTR-SR-31-01	Piel Brook	10	PER	A	N	N	N/A	357	150	N	70
1	Bradstreet Twp	E	PSTR-SRD1-28-01	Fourmile Brook	10	PER	A	N	N	N/A	93	150	N	63
2	The Forks Plt	D	PSTR-57-01	Mosquito Stream	10	PER	A	Y	N	Y	123	75	N	127
3	Greene	A	PSTR-143-02	Stetson Brook	10	PER	B	Y	N	N/A	210	75	N	318
3	Livermore Falls	B	PSTR-125-03	Trib. to Androscoggin River	2	PER	C	Y	N	N/A	54	75	N	277, 278
3	Livermore Falls	B	PSTR-125-04	Trib. to Androscoggin River	4	PER	C	Y	N	N/A	178	75	N	277, 278
1	T5 R7 BKP WKR/Hobbstown Twp	E	PSTR-21-03	Trib. to Little Spencer Stream	12	PER	AA	Y	N	Y	389	150	N	48
1	Bradstreet Twp	E	PSTR-30-01	Piel Brook	1	PER	A	N	N	N/A	186	150	N	68, 69

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
1	Johnson Mountain Twp	E	PSTR-35-02	Trib. to Salmon Stream	2	PER	A	Y	N	N/A	216	150	Y	80
4	Durham	A	PSTR-160-03	Trib. to Runaround Brook	12	PER	B	N	N	N/A	85	0	N	355
1	Appleton Twp	E	ISTR-15-07	Gold Brook	15	INT	A	Y	N	Y	447	150	N	36
1	Beattie Twp	E	PSTR-01-05	Mill Brook	15	PER	A	N	N	N/A	609	150	N	4
1	Skinner Twp	E	PSTR-11-01	Trib. to Bog Brook	15	PER	A	N	N	N/A	306	150	Y	26
1	Appleton Twp	E	PSTR-17R-04	Baker Stream	15	PER	A	Y	N	Y	164	150	N	39
1	West Forks Plt	D	PSTR-44-01 (TOB)	Tomhegan Stream	15	PER	A	Y	N	N/A	241	150	N	100
1	West Forks Plt	D	PSTR-44-02	Tomhegan Stream	15	PER	N/A	Y	N	N/A	465	150	N	100
1	West Forks Plt	D	PSTR-44-04	Tomhegan Stream	15	PER	A	Y	N	N/A	335	150	N	100
2	Bald Mountain Twp T2 R3	D	PSTR-59-01	Little Sandy Stream	15	PER	A	Y	N	Y	309	75	Y	131
2	Moscow	D	PSTR-66-02	Heald Stream	15	PER	A	Y	N	Y	463	75	N	146, 147
4	Durham	A	PSTR-158-03	Libby Brook	15	PER	B	N	N	N/A	18	0	Y	351, 352
5	Wiscasset/Woolwich	B	PSTR-186-08	Montsweag Brook	17.5	PER	B	Y	Y	N/A	238	0	Y	365
1	Johnson Mountain Twp	E	PSTR-33-01	Mountain Brook	18	PER	A	Y	N	N/A	147	150	N	76
1	Appleton Twp	E	PSTR-17-07	Baker Stream	20	PER	A	Y	N	Y	127	150	N	39
3	Livermore Falls	B	PSTR-129-01	Scott Brook	20	PER	B	Y	N	N/A	166	75	N	285, 286

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
1	Appleton Twp	E	PSTR-16-01	Gold Brook	25	PER	A	Y	N	Y	97	150	N	37
1	T5 R7 BKP WKR/Hobbstown Twp	E	PSTR-21-04	Little Spencer Stream	25	PER	AA	Y	N	Y	459	150	N	48
1	Johnson Mountain Twp	E	PSTR-40-06	Cold Stream	25	PER	AA	Y	N	Y	467	150	N	91
2	Moscow	D	PSTR-65-02	Little Heald Brook	25	PER	A	Y	N	Y	85	75	N	146
4	Lewiston	A	PSTR-151-01	No Name Brook	25	PER	B	Y	Y	N/A	83	0	N	334, 335
3	Livermore Falls	B	PSTR-127-04	Hunton Brook	4	PER	B	Y	N	N/A	105	75	N	281, 282
1	Bradstreet Twp	E	PSTR-25-01	Horse Brook	30	PER	A	N	N	N/A	158	150	Y	58
5	Windsor	B	PSTR-162-12	Trib. to West Branch Sheepscot River	40	PER	B	Y	Y	Y	181	0	N	416
1	Johnson Mountain Twp	E	PSTR-42-03	Trib. to Tomhegan Stream	40	PER	A	Y	N	N/A	169	150	N	95
5	Windsor	B	PSTR-163-02	West Branch Sheepscot River	40	PER	AA	Y	Y	Y	51	0	N	414, 415, 416
4	Lewiston	A	PSTR-147-02	Stetson Brook	50	PER	B	Y	N	Y	107	0	N	325
4	Lewiston	A	PSTR-149-01	No Name Brook	50	PER	B	Y	Y	N/A	82	0	N	330
4	Auburn/ Lewiston	A	PSTR-155-03	Androscoggin River	645	PER	C	Y	Y	N/A	104	0	N	344
1	Beattie Twp	E	ISTR-02-14		0	INT	N/A	N	N	N	275	150	N	7
1	Beattie Twp	E	ISTR-02-15		0	INT	N/A	N	N	N	20	150	N	6, 7
1	Beattie Twp	E	ISTR-02-16		0	INT	N/A	N	N	N	34	150	Y	6, 7

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Nearest New Structure Location (ft)	Width of Additional Corridor Clearing[8] (ft)	Temp. Equipment Crossing[9] (Y/N)	Natural Resource Map/Sheet Number
1	Beattie Twp	E	ISTR-02-18		0	INT	N/A	N	N	N	290	150	Y	6
1	Beattie Twp	E	ISTR-02-19		0	INT	N/A	N	N	N	357	150	Y	6
1	Beattie Twp	E	ISTR-02-28		0	INT	N/A	N	N	N	28	150	Y	6
1	Beattie Twp	E	ISTR-MS-03-1		0	INT	N/A	N	N	N	232	150	N	9
1	Beattie Twp	E	ISTR-MS-03-5		0	INT	N/A	N	N	N	318	150	Y	8
1	Beattie Twp	E	ISTR-MS-03-6		0	INT	N/A	N	N	N	219	150	Y	8
1	Beattie Twp	E	PSTR-02-27		0	PER	N/A	N	N	N	114	150	Y	6
1	Beattie Twp	E	PSTR-MS-03-2	Number One Brook	0	PER	A	N	N	N	247	150	N	9
3	Livermore Falls	B	PSTR-125-02	Trib. to Androscoggin River	2	PER	N/A	Y	N	N	295	75	Y	277
2	The Forks Plt	D	ISTR-54-01		9	INT	A	Y	N	N	176	75	Y	120

Footnotes for the NECEC Waterbody Crossing Table (Exhibit 7-7)

General Notes: The waterbody crossing table is based on data collected in the field, input from agency representatives during consultation, USGS National Hydrography dataset and ESRI ArcGIS mapping services.

1. Stream names are based on the USGS National Hydrography dataset. Tributary names were assigned based on review of watershed areas and drainage patterns.
2. Waterbody crossings widths were based on field data collected in 2015, 2016 and 2017.
3. Stream types: Perennial (PER) or Intermittent (INT). Open Water (Open Water). Stream types were based on field data collected in 2015, 2016 and 2017.
4. State of Maine Water Quality Classifications

   Source: The Bureaus of Land Resources and Water Quality- Waterbody Statutory Classification dataset
   http://www.maine.gov/dep/gis/datamaps/

   Class

   AA Class AA shall be the highest classification and shall be applied to waters which are outstanding natural resources and which should be preserved because of their ecological, social, scenic, or recreational importance. Class AA waters shall be of such quality that they are suitable for the designated uses of drinking water after disinfection, fishing, recreation in and on the water and navigation and as habitat for fish and other aquatic life. The habitat shall be characterized as free flowing and natural.

   A Class A waters shall be of such quality that they are suitable for the designated uses of drinking water after disinfection; fishing; recreation in or on the water; industrial power generation, except as prohibited under Title 12, section 403; and navigation; and as habitat for fish and other aquatic life. The habitat shall be characterized as natural.

   B Class B waters shall be of such quality that they are suitable for the designated uses of drinking water supply after treatment; fishing; recreation in and on the water; industrial processes and cooling water supply; 403; and navigation; and as habitat for fish and other aquatic life. The habitat shall be characterized as unimpaired.

   C Class C waters shall be of such quality that they are suitable for the designated uses of drinking water supply after treatment; fishing; recreation in and on the water; industrial process and cooling water supply; hydroelectric power generation, except as prohibited under Title 12, section 403; and navigation; and as a habitat for fish and other aquatic life.

   GPA Class GPA shall be the sole classification of great ponds and natural ponds and lakes less than 10 acres in size. Class GPA waters shall be of such quality that they are suitable for the designated uses of drinking water after disinfection, recreation in and on the water, fishing, industrial process and cooling water supply, hydroelectric power generation and navigation, and as habitat for fish and other aquatic life. The habitat shall be characterized as natural.

N/A or “Not Available” indicates that a classification for this waterbody was not available from the referenced source.

5. Source: Cushing, E. Atlantic Salmon: Critical Habitat dataset. 1994. National Oceanic Atmospheric Administration (NOAA) National Marine Fisheries Service (NMFS). http://www.nmfs.noaa.gov/gis/data/critical.htm#ne. Accessed May 16, 2017.
    a. This dataset represents critical habitat for the Gulf of Maine distinct population segment of Atlantic salmon as designated by *Federal Register* Vol. 74, page 29300, June 19, 2009.
6. Source**:** Bruchs, C. Atlantic salmon habitat. GISVIEW.MEGIS.Ashab3_new. 2016. Maine Office of GIS Data Catalog. Edition 2016-03-31. http://www.maine.gov/megis/catalog/. Accessed May 16, 2017.
    a. This dataset is meant to be used in tracking general Atlantic salmon habitat survey work on selected Maine streams by staff of the Maine Dept. of Marine Resources - Division of Sea Run Fisheries and Habitat as well as others involved in Atlantic Salmon research, management and conservation. This dataset is designed to be used in a variety of management and planning activities including habitat protection efforts.
7. The Brook Trout classifications were provided as a GIS shapefile by MDIFW. “Y” or “YES” = “Likely Brook Trout Habitat” which identifies waterbodies which have been surveyed and mapped by the MDIFW. “N/A” or “Not Available” identifies waterbodies that have not been surveyed or mapped by the resource agency.
8. The width of the additional corridor clearing required is the average width of tree clearing required for that associated Segment.
9. Where temporary equipment crossings are proposed, no in-stream work will take place. The bridges will be designed to span the entire width to avoid in-stream work.

Attachment B

Revised Site Law Exhibit 10-1 NECEC Plan for Protection of Sensitive Natural Resources During Initial Vegetation Clearing (VCP)

Revised Site Law Exhibit 10-2 NECEC Post-Construction Vegetation Maintenance Plan (VMP)

Exhibit 10-1

New England Clean Energy Connect
Plan for Protection of Sensitive Natural Resources
During Initial Vegetation Clearing

Prepared by:

Central Maine Power Company
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August 2018

CENTRAL MAINE POWER

Introduction

This Construction Vegetation Clearing Plan (VCP) applies to construction of the new transmission lines associated with Central Maine Power Company's (CMP) New England Clean Energy Connect (NECEC) project. The VCP describes restrictive and protective management practices required for work within and adjacent to protected natural resources during vegetation clearing associated with NECEC project construction. The requirements described in this VCP apply to initial project construction and are not intended to apply to planned or emergency maintenance or repair actions.

The goal of the VCP is to provide construction personnel with a cohesive set of vegetation management specifications and performance standards for work within and adjacent to protected natural resources during transmission line construction.

The protected natural resources subject to restrictive vegetation management requirements include:

- Wetlands and streams (intermittent and perennial);
- Perennial streams within Segment 1 (greenfield) portion of the NECEC project;
- Perennial streams within designated Atlantic salmon (*Salmo salar*) habitat;
- Outstanding river segments, rivers, streams or brooks containing threatened or endangered species;
- Significant Vernal Pools (SVP);
- Inland Waterfowl and Wading Bird Habitat (IWWH);
- Deer Wintering Areas (DWA);
- Rare plant locations; and
- Locations over mapped significant sand and gravel aquifers.

In locations where individual restrictions or procedures overlap, or multiple restrictions apply, the more stringent restrictions and all applicable procedures will be followed by construction personnel.

1.0 Right-of-Way Vegetation Management Procedures

1.1 Arboricultural Management Practices

Capable vegetation will be removed and controlled within the footprint of the NECEC development, including within the new (greenfield) and co-located transmission line corridors. Capable vegetation is defined as woody plant species and individual specimens that are capable

of growing to a height that would reach the conductor safety zone, as illustrated in Figure 1 attached to this exhibit. Removal of capable species beneath the conductors within transmission line corridors is intended to meet the following goals:

- Facilitate construction;
- Maintain the integrity and functionality of the line;
- Facilitate the safe operation of the line;
- Maintain access in case of emergency repairs; and
- Facilitate safety inspections.

Therefore, the objective of this VCP will be to remove woody vegetation capable of encroaching into the Minimum Vegetation Clearance Distance (MVCD) of the new transmission lines to facilitate construction and maintain the integrity and safe operation of the transmission line consistent with the standards of North American Electric Reliability Corporation's (NERC) Transmission Vegetation Management[1]. This will be accomplished by practicing an integrated vegetation management strategy using a combination of mechanical cutting, hand-cutting, and selective herbicide applications. Mechanical mowing may also be used along access roads or in unusual circumstances, should the typical procedures not suffice.

Throughout clearing and construction, shrub and herbaceous vegetation will remain in place to the extent practicable. Capable vegetation, dead trees, "hazard trees" and all vegetation over 10 feet in height will be removed during initial transmission line corridor clearing prior to construction of the new transmission lines. Due to the sag of the electric transmission lines between the structures, which varies with topography, the distance between structures, tension on the wire, electrical load, air temperature and other variables, the required clearance is typically achieved by removing all capable species from the transmission line corridor. Hazard trees are those trees typically on the edge of the transmission line corridor that pose an imminent threat of violating the minimum separation standard or are at risk of contacting the transmission lines themselves due to disease, configuration or potential instability. Hazard trees are typically removed immediately upon identification.

The following procedures will be implemented during vegetation management activities to protect sensitive natural resources:

a. Protected natural resources and their associated buffers will be flagged or located with a Global Positioning System (GPS) prior to all construction and clearing activities;

b. When and if terrain conditions permit (e.g., certain ravines and narrow valleys) capable vegetation will be permitted to grow within and adjacent to protected natural resources or critical habitats where maximum growing height

[1] North American Electric Reliability Corporation Transmission Vegetation Management, Standard FAC 003 – 3 Technical Reference, July 1, 2014.

can be expected to remain well below the conductor safety zone. Narrow valleys are those that are spanned by a single section of transmission line, structure-to-structure.

c. Hand cutting with chainsaws will be the preferred method of vegetation clearing within protected natural resource buffers and sensitive areas, where reasonable and practicable and with the appropriate protective measures. However, mechanized equipment may be used during frozen conditions, or when matted travel lanes and the reach-in technique are implemented.;

d. Equipment access through wetlands or over streams will be avoided as much as practicable by utilizing existing public or private access roads, with landowner approval where required;

e. Equipment access in upland areas with saturated soils will be minimized to the extent practicable, or these areas will be matted to avoid excessive rutting or other unnecessary ground disturbance;

f. Significant damage to wetland or stream bank vegetation, if any, will be repaired following completion of clearing activities in the area;

g. Areas of significant soil disturbance will be stabilized and reseeded following completion of clearing activities in the area.

h. When capable vegetation within and adjacent to a protected natural resource or identified critical habitat will be removed for the purpose of constructing the development, the natural regeneration of non-capable woody vegetation will be allowed within all protected resources. At a minimum, the natural regeneration of non-capable woody vegetation will be allowed. To facilitate the regeneration of natural vegetation within and adjacent to (generally, within 75 feet of) protected natural resources and special habitats, the contractor will separate the topsoil from the mineral soil when excavating during project construction. The excavated topsoil will be returned to its original place and position in the landscape and appropriate erosion control methods will be utilized.

i. Locations within the NECEC that contain any of the invasive plant species listed in Table 1 below, will be identified prior to the start of construction of the project or the start of construction on any individual segment of the project at the discretion of CMP or its contractor. CMP will develop an invasive species vegetation monitoring plan and submit it to the Department for review and approval prior to the start of construction on the project. This plan will have a stated objective of preventing the introduction and spread of invasive species as a result of construction. Herbicide application is an acceptable method of controlling invasive growth when hand removal or other non-chemical methods will not be effective, including in protected natural resources and other sensitive areas.

Table 1 – Invasive Plant Species[1]

Species	Common Name
1. Alliara petiolata	Garlic mustard
2. Berberis thunbergii	Japanese barberry
3. Celastrus orbiculatus	Oriental bittersweet
4. Cynanchum louiseae	Black swallowwort
5. Elaeagnus umbellata	Autumn olive
6. Fallopia japonica	Japanese knotweed
7. Frangula alnus	Glossy buckthorn
8. Impatiens glandulifera	Ornamental jewelweed
9. Lonicera morrowii	Morrow's honeysuckle
10. Lonicera tatarica	Tatarian honeysuckle
11. Lythrum salicaria	Purple loosestrife
12. Phragmites australis	Common reed
13. Poa nemoralis	Wood blue grass
14. Rhamnus cathartica	Common buckthorn
15. Rosa multiflora	Multiflora rose

1-MNAP's list of "Currently considered invasive in Maine" excluding aquatic plant species.

2.0 Vegetation Management Methods – All Transmission Line Corridor Areas

2.1 Mechanical Methods

During construction, vegetative clearing of capable species will be completed primarily with mechanical equipment, including motorized equipment. All capable species and any dead or hazard trees will be cut at ground level except in designated buffer zones, as described below. Large vegetation cut during construction will be handled in accordance with the Maine Slash Law[2].

Access roads and travel lanes will be located to protect sensitive and protected natural resources to the maximum extent practicable and construction matting will be used in accordance with CMP's environmental guidelines and per the timber mat performance standards provided below.

Timber mats or matting used for construction:

- shall not be made from wood from ash trees (Fraxinus sp);
- unfinished timbers used in the construction of the mats must be free of bark, unless produced by a firm certified by the Maine Forest Service (MFS) for production of mats with incidental bark for this project. Such mats must be marked as outlined in the supplier's agreement. Applicant shall maintain a copy

2 12 MRSA §9331 et. Seq.

of the MFS compliance agreement including a representation of the accepted mark in the records;

- before entering the State of Maine, mats used for the project shall be cleaned of soil and vegetative material by pressure washing;

- shall not have been used in, or made from lumber from, Federally Quarantined areas as set out in 7 CFR 301 unless accompanied by the appropriate USDA certificate of treatment required for interstate transport. Said certificates will be maintained in a central filing location available for review by appropriate Agency personnel for a period of three (3) years after project completion, as determined by CMP; and,

- must have shipping information sufficient to identify the shipper and number and shipping origin of the mats.

The Maine Forest Service and U. S. Department of Agriculture reserve the right to inspect all timber mats and matting material used for the project for compliance with these standards.

2.2 Herbicide Application

Herbicide applications will likely begin after clearing is completed to gain control of vegetation growth. When control is achieved, treatment will typically occur as part of scheduled maintenance on a 4-year cycle or as needed. By using selective herbicides and a variety of application methods, desired vegetation along the transmission line corridor will eventually consist of a dense, low-growing plant community that will discourage the establishment of capable tree species. Therefore, fewer capable woody species and specimens will require treatment in future applications.

The following procedures will be implemented during herbicide applications:

a. Herbicides will be used in strict accordance with the manufacturer's EPA-approved labeling and will not be applied directly to waterbodies or areas where surface water is present;

b. In the new corridor (greenfield) no foliar herbicides will be applied within a 100-foot buffer on perennial streams and within a 25-foot buffer on intermittent streams.

c. In the co-located sections, no foliar herbicides will be applied within 25 feet of rivers, streams, brooks, lakes, ponds, or within 25 feet of wetlands that have water present at the surface at the time of the application.

d. For stream and rivers classified as outstanding river segments, as well as those containing threatened or endangered species, no foliar herbicides will be applied within a 100-foot buffer.

e. Herbicides will not be applied to stumps (cut stump treatment) within areas of standing water.

f. Herbicides will not be mixed, transferred or stored within 100 feet of any wetland or surface water. On public access roads, herbicide mixing, transfer or storage may be done within 100 feet of wetlands or surface waters;

g. Herbicides will not be mixed, transferred or stored within 100 feet of Significant Vernal Pool depressions. On public access roads, herbicide mixing, transfer or storage may be done within 100 feet of Significant Vernal Pool depressions;

h. Unless performed on public access roads, herbicides will not be mixed, transferred or stored over mapped significant sand and gravel aquifers;

i. Herbicides will not be applied, mixed, transferred or stored within 100 feet of any known private well or spring or within 200 feet of any known public water supply well. On public access roads, herbicide mixing, transfer or storage may be done within 200 feet of known public water supply wells;

j. When herbicide applications are performed in wetlands without standing water, only herbicides approved for use in wetland environments will be used;

k. Herbicides will not be applied to any area when it is raining or when wind speed exceeds 15 miles per hour as measured on-site at the time of application. When wind speeds are below 3 miles per hour, applicators should be aware whether a temperature inversion is present, and should consult the herbicide label to determine whether application should proceed under these conditions;

l. The foreman or licensed applicator on each herbicide application crew will be licensed by the Maine BPC and will remain in eye contact and within earshot of all persons on his/her crew applying herbicides. At least one individual from any company applying herbicides will also hold a Commercial Master Applicator License issued by the BPC. This Master Applicator must have the ability to be on-site to assist persons applying herbicides within six hours driving time. If an out-of-state company is conducting the herbicide application, the company will have a Master Applicator in Maine during any application. Application of herbicides will be in accordance with applicable regulations promulgated under the Maine Pesticides Control Act, including those regulations to minimize drift, to maintain setbacks from sensitive areas during application, and to maintain setbacks from surface waters during the storing/mixing/loading of herbicides; and

m. Herbicides will typically be mixed in a truck-mounted tank that remains on public access roads. Herbicide application is done by personnel with low-volume, hand-pressurized (manual) backpacks with appropriate nozzles, to minimize drift, who travel along the transmission line corridor by foot or by all-terrain vehicle and spot-treat target species and specimens.

The location of all streams, wetlands, significant vernal pools, rare plant locations, known wells, and mapped significant sand and gravel aquifers crossed by the transmission line corridor will be provided to construction personnel.

2.3 Petroleum Product & Hazardous Materials Management

Any petroleum products or other hazardous material within the transmission line corridor during construction will be managed in accordance with CMP's Environmental Control Requirements (**see Exhibit 15-1**) and will include the following setbacks unless CMP can demonstrate that, due to special circumstances at specified locations, these setbacks are impractical at those locations.

(a) No fuel storage, vehicle/equipment parking and maintenance, and refueling activity may occur within 100 feet of a protected wetland or other waterbody, unless no practicable alternative exists and secondary containment with 110% capacity is provided for any fuel storage containers or tanks, or if it occurs on a paved road.

(b) No fuel storage, vehicle/equipment parking and maintenance, and refueling activity may occur within 200 feet of a known private water supply.

(c) No fuel storage, vehicle/equipment parking and maintenance, and refueling activity may occur within 400 feet of a known public water supply.

(d) No fuel storage, vehicle/equipment parking and maintenance and refueling activity may occur within 25 feet minimum of the following:

(i) An area listed in Maine's biological conservation data system, Biotics, of the Maine Natural Areas Program, including rare natural communities and ecosystems (state rarity rank of S1 through S3 and habitats supporting Endangered or Threatened plant species). Boundaries and locations are as determined by the Maine Natural Areas Program of the Department of Agriculture, Conservation and Forestry.

(ii) Habitat of any species declared rare, threatened or endangered by the Maine Department of Inland Fisheries and Wildlife, Maine Department of Marine Resources, or the Director of the U.S. Fish and Wildlife Service.

3.0 Vegetation Management within Freshwater Wetlands

Transmission line corridor wetlands range in type from small, emergent wetlands formed in ruts from logging equipment to large forested wetland systems.

3.1 Vegetation Clearing Restrictions within and Adjacent to Freshwater Wetlands

The following restrictions apply to vegetation clearing within freshwater wetlands and their buffers:

a. Unless frozen, heavy equipment travel in wetlands will be performed on construction matting, or other approved alternative protective measures will be implemented.

b. If initial clearing or other construction activities result in areas of bare soil or minimally vegetated cover, the areas of bare soil will be allowed to revegetate naturally, where practicable. If areas are sufficiently large to warrant planting, a native seed designed to provide short term cover will be applied, and the area will be allowed to return to non-capable native woody and perennial herbaceous vegetation naturally.

c. No accumulation of slash will be left within wetlands.

4.0 Vegetation Clearing within Stream Buffers

Stream buffers, as measured horizontally from the top of each stream bank, will be established for vegetation removal along streams within the transmission line corridor. A "stream buffer" is a buffer on a stream, river, or brook. In no case may the stream buffer be reduced to less than 25 feet. Additional restrictions will be applied within 100 feet of streams meeting certain criteria, as described in 4.1a, below.

This section describes the restrictions related to vegetation removal within these stream buffers. All vegetation clearing procedures and restrictions that apply to vegetation management for transmission line corridor construction also apply within the stream buffers.

4.1 Additional Vegetation Clearing Restrictions within Stream Buffers

The following additional restrictions apply to vegetation clearing within stream buffers:

a. Riparian natural buffers (or "stream" buffers) will be retained within 100 feet of all perennial streams within the greenfield (Segment 1) portion of the Project, outstanding river segments, or rivers, streams, or brooks containing Threatened or Endangered species unless the Department determines that the functions and values of the stream buffer will not be impacted by the removal of vegetation and approves an alternative minimum buffer.

b. For streams in areas where the new transmission line will be co-located within existing rights-of-way, CMP proposes to maintain a 25 foot buffer, unless meeting any of the above criteria, since the corridor is currently being maintained in an early successional state according to the guidelines set forth in CMP's Vegetation Management Plan (Exhibit 10-2), and the effect of the additional clearing (typically less than 75 feet) to accommodate the new line has been minimized.

c. The boundary of each stream buffer will have unique flagging installed to distinguish between the applicable 25 foot or 100 foot stream buffer prior to clearing. Flagging will be maintained throughout construction.

d. Foliar herbicides will be prohibited within the stream buffer, and all refueling/maintenance of equipment will be excluded from the buffer unless it occurs on an existing paved road or if secondary containment is used with oversight from an environmental inspector.

e. All stream crossings by heavy equipment will be performed through the installation of equipment spans with no in-stream disturbances. Streams will not be forded by heavy equipment.

f. Initial tree clearing will be performed during frozen ground conditions whenever practicable, and if not practicable, the recommendations of the environmental inspector will be followed regarding the appropriate techniques to minimize disturbance such as the use of selectively placed travel lanes within the stream buffer. CMP will not place any transmission line structures within the stream buffer, unless specifically authorized by the MDEP and accompanied by a site specific erosion control plan. No structures will be placed within 25 feet of any stream regardless of its classification.

g. Within that portion of the appropriate stream buffer that is within the wire zone (i.e., within 15 feet, horizontally, of any conductor; see Figure 1), all woody vegetation over 10 feet in height, whether capable or non-capable, will be cut back to ground level and resulting slash will be managed in accordance with Maine's Slash Law. No other vegetation, other than dead or hazard trees, will be removed. Within the stream buffer and outside of the wire zone, non-capable species may be allowed to exceed 10 feet in height unless it is determined that they may encroach into the conductor safety zone prior to the next four year maintenance cycle;

h. Removal of capable species, dead or hazard trees within the appropriate stream buffer will typically be accomplished by hand-cutting. Use of mechanized harvesting equipment is allowed if supported by construction matting or during frozen conditions in a manner (i.e., use of travel lanes and reach-in techniques) that preserves non-capable vegetation less than 10 feet in height to the greatest extent practicable;

i. No slash will be left within 50 feet of any stream.

Allowing non-capable vegetation to remain as described above within the appropriate stream buffer will provide shading and reduce the warming effect of direct sunlight (insolation). Low ground cover vegetation will also remain to filter any sediment in surface runoff. These restrictions will allow the stream buffers to provide functions and values similar to those provided prior to transmission line construction.

5.0 Vegetation Clearing within Significant Vernal Pool Habitat (SVPH)

Vegetated buffers of 250 feet, as measured from the edge of the pool depression, will be established for SVPs crossed by the transmission line corridor. The SVP depression and buffer area together

comprise the SVPH. Vegetation clearing within the SVPH will be subject to the same procedures and prohibitions, as applicable, which are required in the typical transmission line corridor, as well as to the additional measures below.

5.1 Additional Vegetation Management Restrictions within SPVH

The following additional restrictions apply to vegetation clearing within SVPH:

a. Mechanized equipment will not be allowed within the vernal pool depression, unless the depression encompasses the entire width of the transmission line corridor. Mechanized equipment will only be allowed to cross the vernal pool depressions during frozen or dry conditions or with the use of mats;

b. Initial clearing within a SVPH will occur during frozen ground conditions. If not practicable, hand cutting or reach in techniques will be used. If that is not adequate, travel lanes to accommodate mechanical equipment in the 250-foot buffer may be used with approval of the MDEP.

c. Between April 1 and June 30, no vegetation removal using tracked or wheeled equipment will be performed within the 250-foot SVPH buffer;

d. No refueling or maintenance of equipment, including chainsaws, will occur within 250 feet of SVP depressions, unless done so on a public access road;

e. No herbicide use is permitted within 25 feet of the SVP pool depression; and

f. No accumulation of slash will be left within 50 feet of the edge of the SVP depression and slash piles will not exceed 18 inches tall.

6.0 Vegetation Clearing within Moderate or High Value Inland Waterfowl and Wading Bird Habitat

Inland Waterfowl and Wading Bird Habitats (IWWH) are habitats mapped by the Maine Department of Inland Fisheries and Wildlife (MDIFW) that contain an inland wetland complex used by waterfowl and wading birds, plus a 250-foot nesting habitat area surrounding the wetland. The nesting habitat is considered to be part of the mapped IWWH. No additional buffers are proposed for IWWHs beyond this mapped habitat, and as such the vegetation maintenance restrictions apply to the mapped habitat only.

Vegetation clearing within the IWWH will be subject to the same procedures and prohibitions, as applicable, which are required in the typical transmission line corridor and for stream buffers.

6.1 Additional Vegetation Clearing Restrictions within Inland Waterfowl and Wading Bird Habitat

The following additional restrictions apply to vegetation clearing within mapped IWWH:

a. If practicable, vegetation clearing will take place during frozen ground conditions. If not practicable, vegetation within IWWH will be removed using hand cutting or reach-in techniques and appropriate techniques to minimize disturbance to the maximum extent practicable, such as the use of travel lanes to accommodate mechanical equipment use in the IWWH.

b. Between April 15 and July 15, use of motorized vehicles (e.g., all-terrain vehicles) and mechanized equipment (e.g., chainsaws or brush cutters) within IWWH is prohibited. Use of non-mechanized hand tools is allowed during this time period;

c. No refueling or maintenance of equipment, including chainsaws, will occur within the IWWH, unless done so on a public access road; and

d. No herbicide use is permitted within 25 feet of any wetland within the mapped IWWH.

e. Where overhead transmission lines cross an IWWH area, CMP will install bird diverters or aviation marker balls according to the manufacturer's guidelines and applicable transmission line codes unless otherwise determined to be impracticable by the Maine Department of Environmental Protection (MDEP) in consultation with MDIFW.

f. Provided they do not present a safety hazard and are naturally present, CMP will leave undisturbed a minimum of 2-3 snags per acre to provide nesting habitat for waterfowl. Where appropriate, to mitigate habitat impacts due to the development, and as approved by the MDEP, capable species will be topped, girdled, and/or treated with herbicides to prevent re-growth to create snags. Snags will be 12-16 inch in diameter or the largest size available from the existing stand of vegetation.

g. No accumulation of slash will be left within the IWWH.

h. Impacts to scrub-shrub and herbaceous vegetation within the IWWH will be minimized to the maximum extent practicable.

7.0 Vegetation Clearing within Mapped Deer Wintering Areas

Deer Wintering Areas (DWA) provide important refuge for white-tailed deer (*Odocoileus virginianus*) during the winter months in northern climates and are typically characterized by an extensive stand of mature softwood species with a dense forest canopy.

During construction, impacts to scrub-shrub and herbaceous vegetation and other non-capable species will be minimized to the maximum extent practicable. No additional vegetation clearing restrictions are proposed within mapped DWAs, as all capable species will be removed from these and other areas within the transmission line corridor in order to comply with NERC Transmission Vegetation Management standards.

8.0 Vegetation Clearing within Rare Plant Locations

Vegetation clearing of the transmission line corridor has the potential to impact rare plants and/or alter their habitat. The following additional vegetative clearing restrictions will minimize impacts to rare plants. The additional restrictions will apply only to the demarcated locations of the identified rare plants. No additional buffers will be established surrounding rare plant locations. These restrictions are intended to maintain existing hydrology and limit soil disturbance within rare plant locations.

8.1 Additional Vegetation Clearing Restrictions within Rare Plant Locations

The following additional restrictions will apply to vegetation clearing for rare plant species in the identified location:

a. Unless rare plant locations encompass the entire width of the transmission line corridor, mechanized equipment will only be allowed to cross rare plant locations during frozen conditions, on established travel paths/crossings, or with the use of mats.

b. Initial clearing within rare plant communities will be undertaken during frozen ground conditions whenever practicable, and if not practicable selective mat placement and reach-in techniques will be used to minimize disturbance to the rare plant communities to the maximum extent practicable.

c. If initial clearing or other construction activities result in areas of bare soil or minimally vegetated cover, where practicable, these areas will be allowed to revegetate naturally. If areas are sufficiently large to warrant planting, a native seed mix designed to provide short term cover will be applied and the area will be allowed to return to native woody and perennial herbaceous vegetation naturally.

d. Heavy equipment travel within rare plant communities will be minimized to the maximum extent practicable. Hand cutting or “reach-in” techniques to cut and remove capable tree species and vegetation over 10 feet tall within the wire zone, or other techniques as agreed upon in consultation with the MDEP and Maine Natural Areas Program (MNAP), will be used. When equipment access is necessary, activity will be restricted to a few narrow travel lanes that have been clearly marked prior to clearing activity.

e. No refueling or maintenance of equipment, including chain saws, will occur within demarcated rare plant locations, unless done on a public access road.

f. No foliar herbicide use is permitted within the demarcated rare plant locations, however cut surface herbicides may be used on capable species and specimens.

9.0 Vegetation Clearing Procedures over Mapped Significant Sand and Gravel Aquifers

Transmission lines located over mapped significant sand and gravel aquifers are subject to the typical transmission line corridor clearing procedures, except that no refueling or maintenance of equipment, and no herbicides may be mixed, transferred or stored, over the mapped significant sand and gravel aquifers, unless done so on a public access road.

10.0 Locating and Marking Buffers and Habitats

A database will be maintained, including maps and GIS shapefiles, of the buffers, restricted habitats, and sensitive areas and their locations relative to the nearest structure (pole) or road location. The distance and direction from the nearest structure to the sensitive area will be included with the name of the area and the structure number. All structures along the transmission line corridor will be numbered at the time of construction.

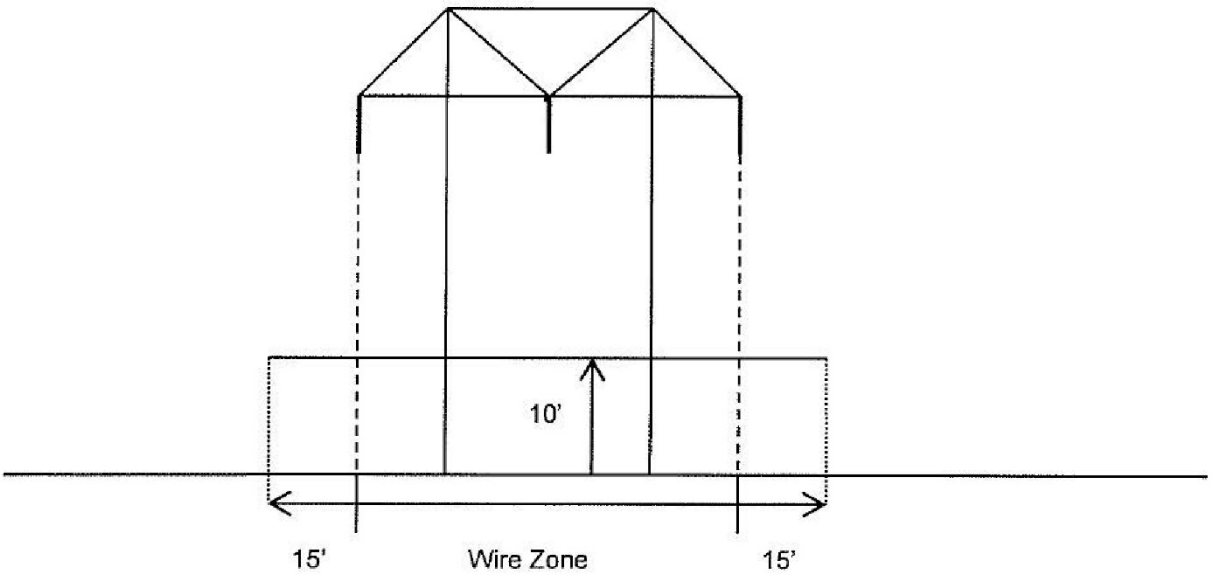
To aid in identifying restricted areas, buffers and restricted habitats will be located and demarcated in the field using brightly colored flagging or signage prior to the initiation of clearing and construction activities along the transmission line corridor. Alternatively, use of GIS data and GPS equipment may be used to provide accurate location of resources and associated buffers. If desired, personnel may permanently demarcate restricted habitats to aid in construction activities. Personnel working on the transmission line corridor will be provided a copy of this VCP. Use of the VCP in conjunction with the natural resource maps and Plan & Profile drawings will enable construction contractors to locate and mark restricted areas in the field.

11.0 Personnel Training

Personnel who will conduct vegetation clearing on the transmission line corridor will receive appropriate environmental training before being allowed access to the transmission line corridor. Construction and clearing personnel will be required to review this VCP prior to the training and before conducting any clearing or construction activities. The level of training will be dependent on the duties of the personnel. The training will be given prior to the start of clearing or construction activities. Replacement or new clearing or construction personnel that did not receive the initial training will receive similar training prior to performing any activities on the transmission line corridor.

The training session will consist of a review of the buffers and restricted habitats, the respective vegetation clearing requirements and restrictions for each, and a review of how these areas and resources can be located in the field. Training will include familiarization with and use of GIS information and sensitive natural resource identification in conjunction with the contents of this VCP, as well as basic causes, preventive and remedial measures for contamination, and erosion and sedimentation of water resources.

Figure 1



1. Capable species, regardless of height, are cut back to ground level or treated with herbicides within the entire length and width of the transmission line corridor during scheduled vegetation maintenance (every 4 years). However, within stream buffers, only capable specimens over 10 feet tall may be cut or treated (specimens at or above this height are likely to grow into the conductor safety zone prior to the next scheduled vegetation maintenance cycle).
2. All woody vegetation over 10 feet in height and inside the wire zone, whether capable or non-capable, is cut back to ground level.

Exhibit 10-2

New England Clean Energy Connect
Post-Construction Vegetation Maintenance Plan

Prepared by:

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August 2018

CENTRAL MAINE POWER

Introduction

This Post-Construction Vegetation Maintenance Plan (VMP) describes the restrictive maintenance requirements for protected natural resources within Central Maine Power Company's (CMP) New England Clean Energy Connect (NECEC) project transmission line corridors. The requirements described in this VMP apply to routine maintenance and are not intended to apply to emergency maintenance and/or repair actions.

The goal of this VMP is to provide maintenance personnel and contractors with a cohesive set of vegetation maintenance specifications for transmission line corridors. This VMP is intended to be used in conjunction with project As-Built Plan & Profile drawings to locate the areas where maintenance restrictions apply.

The protected natural resources subject to restrictive and protective maintenance requirements include:

- Wetlands and streams (intermittent and perennial);
- Perennial streams within Segment 1 (greenfield) portion of the NECEC project;
- Perennial streams within designated Atlantic salmon (Salmo salar) habitat;
- Outstanding river segments, rivers, streams or brooks containing threatened or endangered species:
- Significant Vernal Pools (SVP);
- Inland Waterfowl and Wading Bird Habitat (IWWH);
- Deer Wintering Areas (DWA);
- Rare plant locations; and
- Locations over mapped significant sand and gravel aquifers.

In locations where individual restrictions or procedures overlap or multiple restrictions apply, the more stringent restrictions and all applicable procedures will be followed by maintenance personnel and contractors.

Right-of-Way Vegetation Maintenance Procedures

Typical Maintenance Procedures

Routine vegetation maintenance for transmission line corridors is intended to meet the following goals:

1. Maintain the integrity and functionality of the line
2. Maintain access in case of emergency repairs

3. Facilitate safety inspections.

Therefore, the objectives of this VMP will be to control the growth of woody vegetation capable of encroaching into the Minimum Vegetation Clearance Distance (MVCD) of the transmission line to ensure the integrity and safe operation of the transmission line consistent with the standards of North American Electric Reliability Corporation's (NERC) Transmission Vegetation Management[1]. This will be accomplished by practicing an integrated vegetation management strategy using a combination of hand-cutting and selective herbicide applications. Mechanical mowing may be used in unusual circumstances to regain control of vegetation, should the typical procedures not suffice.

Throughout clearing and construction, shrub and herbaceous vegetation will remain in place to the extent possible. Removing capable vegetation will be done during initial transmission line corridor clearing prior to construction of the new transmission line. Follow-up maintenance activities during operation of the line require the removal of "capable species," dead trees, and "hazard trees." Capable trees are those plant species and individual specimens that are capable of growing tall enough to violate the required clearance between the conductors and vegetation established by NERC. Due to the sag of the electric transmission lines between the poles, which varies with the distance between poles, tension on the wire, electrical load, air temperature and other variables, the required clearance is typically achieved by removing all capable species during each maintenance cycle. Removing capable species vegetation allows for the maintenance of 25 feet of separation between vegetation and the lines, thereby adhering to NERC standards. Hazard trees are those trees typically on the edge of the transmission line corridor that pose an imminent threat to violating the minimum separation standard or are at risk of contacting the lines themselves. Hazard trees are typically removed immediately upon identification.

More frequent vegetation management may be required within the first 3 to 4 years following construction in order to bring the vegetation under control. After this initial management period, maintenance practices are typically carried out on a 4-year cycle depending on growth, weather, geographic location, and corridor width. Maintenance may be required less frequently in the long-term as vegetation within the corridor becomes dominated by shrub and herbaceous species. Large branches that overhang the transmission line corridor and any hazard trees on the edge of, or outside of, the transmission line corridor that could contact the electrical lines or come within 15 feet of a conductor may be removed as soon as they are identified.

The following procedures will be implemented during vegetation maintenance activities to protect sensitive natural resources:

- Protected resources and their associated buffers will be flagged or located with a Global Positioning System (GPS) prior to all maintenance operations;
- Hand-cutting will be the preferred method of vegetation maintenance within buffers and sensitive areas, where reasonable and practicable;

[1] North American Electric Reliability Corporation Transmission Vegetation Management, Standard FAC 003 – 3 Technical Reference, July 1, 2014.

- Equipment access through wetlands or over streams will be avoided as much as practicable by utilizing existing public or private access roads, with landowner approval where required;
- Equipment access in upland areas with saturated soils will be minimized to the extent practicable to avoid rutting or other ground disturbance;
- Significant damage to wetland or stream bank vegetation, if any, will be repaired following completion of maintenance activities in the area; and
- Areas of significant soil disturbance will be stabilized and reseeded following completion of maintenance activity in the area.

Vegetation Maintenance Methods – All Transmission Line Corridor Areas

Mechanical Methods

During routine vegetation maintenance after construction, mechanical methods of maintaining the height of vegetation on the transmission line corridor will consist primarily of cutting with hand tools, with occasional use of chainsaws and limited use of motorized equipment in areas directly accessible from public or private access roads.

Maintenance procedures will be to cut all capable species and any dead or hazard trees at ground level except in designated buffer zones, as described below. Large vegetation cut during routine maintenance will be handled in accordance with the Maine Slash Law[2].

Herbicide Application

Herbicide application will be used in conjunction with the mechanical methods of vegetation maintenance. The herbicide application program is consistent with most New England utilities and consists of direct application to targeted species and specimens along the transmission line corridor with a low-volume foliar herbicide or application of herbicides to cut stumps and surfaces of larger trees. Direct application to individual plant species, as opposed to a broadcast spray, will control only the targeted woody vegetation allowing low-growing plant communities (the desired shrub and herbaceous species) to thrive. Selective herbicides will also be used to minimize the impacts to non-target species. Aerial application will not be used. Only herbicides which are registered with and approved by the U.S. Environmental Protection Agency (EPA-approved) and registered with the Maine Board of Pesticides Control (BPC) will be used.

Herbicide applications will likely begin the first year after construction is completed to gain control of vegetation growth. When control is achieved, treatment will typically occur on a 4-year cycle or as needed. By using selective herbicides and a variety of application methods, vegetation along the transmission line corridor will eventually consist of a dense, low-growing plant community that will discourage the establishment of tree species. Therefore, fewer woody species will require treatment in future applications.

2 12 MRSA §9331 et. Seq.

The following procedures will be implemented during herbicide applications:

- Herbicides will be used in strict accordance with the manufacturer's EPA-approved labeling and will not be applied directly to waterbodies or areas where surface water is present;
- In the new (greenfield) corridor no foliar herbicide will be applied within a 100-foot buffer on perennial streams, or within a 25-foot buffer on intermittent streams.
- In co-located sections, foliar herbicides will not be applied within 25 feet of rivers, streams, brooks, lakes, ponds, or wetlands that have water present at the surface at the time of the application.
- In co-located sections, if a stream is classified as an outstanding river segment or contains threatened or endangered species, foliar herbicides will not be applied within 100 feet of such streams;
- Herbicides will not be mixed, transferred or stored within 100 feet of any wetland or surface water, unless done so on a public access road;
- Herbicides will not be mixed, transferred or stored within 100 feet of Significant Vernal Pool depressions, unless done so on a public access road;
- Herbicides will not be mixed, transferred or stored over mapped significant sand and gravel aquifers unless done so on a public access road;
- Herbicides will not be applied, mixed, transferred or stored within 100 feet of any known private well or spring or within 200 feet of any known public water supply well, unless done so on a public access road
- When herbicide applications are performed in wetlands without standing water, only herbicides approved for use in wetland environments will be used;
- Herbicides will not be applied to any area when it is raining or when wind speed exceeds 15 miles per hour as measured on-site at the time of application. When wind speeds are below 3 miles per hour, applicators should be aware whether a temperature inversion is present, and should consult the herbicide label to determine whether application should proceed under these conditions;
- The foreman or licensed applicator on each herbicide application crew will be licensed by the Maine BPC and will remain in eye contact and within earshot of all persons on his/her crew applying herbicides. At least one individual from any company applying herbicides must also hold a Commercial Master Applicator License issued by the BPC. This Master Applicator must have the ability to be on-site to assist persons applying herbicides within six hours driving time. If an out-of-state company is conducting the herbicide application, the company must have a Master Applicator in Maine during any application. Application of herbicides will be in accordance with applicable regulations promulgated under the Maine Pesticides Control Act, including those regulations to minimize drift, to maintain

setbacks from sensitive areas during application, and to maintain setbacks from surface waters during the storing/mixing/loading of herbicides; and

- Herbicides will typically be mixed in a truck-mounted tank that remains on public access roads. Herbicide application is done by personnel with low-volume, hand-pressurized (manual) backpacks with appropriate nozzles, to minimize drift, who travel along the transmission line corridor by foot or by all-terrain vehicle and spot-treat target species and specimens.

The location of all streams, wetlands, significant vernal pools, rare plant locations, known wells, and mapped significant sand and gravel aquifers crossed by the transmission line corridor will be shown on the As-Built Plan & Profile drawings. GIS shapefiles will also be maintained with the location of these resources and will be provided to maintenance personnel. The presence of surface water will be determined prior to herbicide use in any wetland or waterbody. Crew leaders will assure that resources and buffers are clearly marked in the field, or that locations of resources and buffers are provided as GIS/GPS data prior to initiation of an herbicide application for clear identification by the applicators.

Petroleum Products & Hazardous Materials Management

Any petroleum products or other hazardous material within the transmission line corridor during construction will be managed in accordance with CMP's Environmental Control Requirements (**see Exhibit 15-1**) and will include the following setbacks unless CMP can demonstrate that, due to special circumstances at specified locations, these setbacks are impractical at those locations:

(a) No fuel storage, vehicle/equipment parking and maintenance, and refueling activity may occur within 100 feet of a protected wetland or other waterbody, unless no practicable alternative exists and secondary containment with 110% capacity is provided for any fuel storage containers or tanks, or if it occurs on a paved road.

(b) No fuel storage, vehicle/equipment parking and maintenance, and refueling activity may occur within 200 feet of a known private water supply.

(c) No fuel storage, vehicle/equipment parking and maintenance, and refueling activity may occur within 400 feet of a known public water supply.

(d) No fuel storage, vehicle/equipment parking and maintenance and refueling activity may occur within 25 feet minimum of the following:

(i) An area listed in Maine's biological conservation data system, Biotics, of the Maine Natural Areas Program, including rare natural communities and ecosystems (state rarity rank of S1 through S3 and habitats supporting Endangered or Threatened plant species). Boundaries and locations are as determined by the Maine Natural Areas Program of the Department of Agriculture, Conservation and Forestry.

(ii) Habitat of any species declared rare, threatened or endangered by the Maine Department of Inland Fisheries and Wildlife, Maine Department of Marine Resources, or the Director of the U.S. Fish and Wildlife Service.

Vegetation Maintenance within Freshwater Wetlands

Transmission line corridor wetlands range in type from small, emergent wetlands formed in ruts from logging equipment to large forested wetland systems. No specific buffers are proposed for the wetlands identified within the transmission line corridor.

Additional Vegetation Maintenance Restrictions within and Adjacent to Freshwater Wetlands

Vegetation maintenance within, and within 25 feet of, freshwater wetlands with standing water will be conducted only by hand cutting with hand tools or chainsaws. Herbicide use is permitted in wetlands only when no standing water is present in the wetland at the time of the application. Herbicides will not be stored, mixed, transferred between containers, and no refueling of chain saws or other equipment will be allowed, within 100 feet of freshwater wetlands, unless done so on a public access road.

Vegetation Maintenance within Stream Buffers

A 25-foot buffer, as measured from the top of each stream bank, will be established for vegetation maintenance along streams within the transmission line corridor. Additional restrictions will be applied within 100 feet of streams meeting certain criteria, as described below. Special restrictions will apply within these stream buffers during vegetation maintenance.

This section describes the restrictions related to vegetation cutting and maintenance within these stream buffers. All vegetation maintenance procedures and restrictions that apply to typical transmission line corridor maintenance also apply within stream buffers.

Additional Vegetation Maintenance Restrictions within Stream Buffers

The following additional restrictions apply to vegetation maintenance within stream buffers:

- Buffers must be retained within 100 feet of all perennial streams within Segment 1 (greenfield portion) of the Project, outstanding river segments, and rivers, streams, or brooks containing threatened or endangered species, unless the Department determines that the functions and values of the buffer will not be impacted by the removal of vegetation, and approves an alternative minimum buffer. In no case may this buffer be reduced to less than 25 feet.

- The boundary of each stream buffer will have unique flagging installed to distinguish between the applicable 25 foot or 100 foot stream buffer prior to vegetation management activities.

- Within that portion of the appropriate stream buffer that is within the wire zone (i.e., within 15 feet, horizontally, of any conductor; see Figure 1), all woody vegetation over 10 feet in height, whether capable or non-capable, will be cut back to ground level and resulting slash will be managed in accordance with Maine's Slash Law. No other vegetation, other than dead or hazard trees, will be removed;
- Removal of capable species, dead or hazard trees within the appropriate stream buffer will be accomplished by hand-cutting only. Mechanized harvesting equipment will not be used;
- Herbicides will not be applied within the 25-foot stream buffer;
- Herbicides will not be stored, mixed or transferred between containers within 100 feet of streams, unless done so on a paved public access road;
- No refueling or maintenance of equipment, including chainsaws, will occur within 100 feet of streams, unless done so on a paved public access road; and
- No slash will be left within 50 feet of the edge of any stream.

These additional restrictions will allow for taller vegetation within the appropriate stream buffer to provide shading and to reduce the warming effect of direct sunlight (insolation). Low ground cover vegetation will also remain to filter any sediment in surface runoff. The restrictions are also intended to minimize ground disturbance and prevent or minimize the surface transport of herbicides and petroleum products to streams. These restrictions will allow the stream buffers to provide functions and values similar to those provided prior to transmission line construction.

Vegetation Maintenance within Significant Vernal Pool Buffers

Vegetated buffers of 100 feet, as measured from the edge of the pool depression, will be established for SVPs crossed by the transmission line corridor. Vegetation maintenance within the SVP buffers will be subject to the same procedures and prohibitions, as applicable, which are required in the typical transmission line corridor, as well as to the additional measures below.

Additional Vegetation Maintenance Restrictions within Significant Vernal Pool Buffer

The following additional restrictions apply to vegetation maintenance within SVP buffers:

- Mechanized equipment will not be allowed within the vernal pool depression, unless the depression encompasses the entire width of the transmission line corridor. Mechanized equipment will only be allowed to cross the vernal pool depressions during frozen or dry conditions or with the use of mats;
- Between April 1 and June 30, no vegetation maintenance using tracked or wheeled equipment will be performed within the 100-foot buffer. Maintenance will be performed using only hand tools during this period;
- Between April 1 and June 30, no vegetation maintenance will occur within 25 feet of the SVP pool depression;

- No refueling or maintenance of equipment, including chainsaws, will occur within 100 feet of SVP pool depression, unless done so on a public access road; and
- No herbicide use is permitted within 25 feet of the SVP pool depression.

Vegetation Maintenance within Inland Waterfowl and Wading Bird Habitat

Inland Waterfowl and Wading Bird Habitats (IWWH) are habitats mapped by the Maine Department of Inland Fisheries and Wildlife (MDIFW) that contain an inland wetland complex used by waterfowl and wading birds, plus a 250-foot nesting habitat area surrounding the wetland. The nesting habitat is considered to be part of the mapped IWWH. No additional buffers are proposed for IWWHs beyond this mapped habitat, and as such the vegetation maintenance restrictions apply to the mapped habitat only.

Vegetation maintenance within the IWWH will be subject to the same procedures and prohibitions, as applicable, which are required in the typical transmission line corridor and for stream buffers.

Additional Vegetation Maintenance Restrictions within Inland Waterfowl and Wading Bird Habitat

The following additional restrictions would apply to vegetation maintenance within mapped IWWH:

- Between April 15 and July 15, use of motorized vehicles (e.g., all-terrain vehicles) and mechanized equipment (e.g., chainsaws or brush cutters) within IWWH is prohibited. Use of non-mechanized hand tools is allowed during this time period;
- No refueling or maintenance of equipment, including chainsaws, will occur within the IWWH, unless done so on a public access road; and
- No herbicide use is permitted within 25 feet of any wetland within the mapped IWWH.

Vegetation Maintenance within Mapped Deer Wintering Areas

Deer Wintering Areas (DWA) provide important refuge for white-tailed deer (*Odocoileus virginianus*) during the winter months in northern climates and are typically characterized by an extensive stand of mature softwood species with a dense forest canopy.

No additional vegetation maintenance restrictions are proposed within mapped DWAs, as all capable species must be removed from these and other areas within the transmission line corridor in order to comply with NERC Transmission Vegetation Management standards.

Vegetation Maintenance within Rare Plant Locations

Vegetation maintenance of the transmission line corridor has the potential to impact rare plants and/or alter their habitat. The following additional vegetative maintenance restrictions will minimize impacts to rare plants. The additional restrictions will apply only to the demarcated locations of the identified rare plants. No additional buffers will be established surrounding rare plant locations. These restrictions are intended to maintain existing hydrology and limit soil disturbance within rare plant locations.

Additional Vegetation Maintenance Restrictions within Rare Plant Locations

The following additional restrictions will apply to vegetation maintenance for the species listed above in the identified location:

- All capable tree species will be cut by hand (chainsaws, hand saws or axes). No other mechanized cutting equipment shall be used within these habitats;
- Unless rare plant locations encompass the entire width of the transmission line corridor, mechanized equipment will only be allowed to cross rare plant locations during frozen conditions or with the use of mats;
- No refueling or maintenance of equipment, including chainsaws, will occur within demarcated rare plant locations, unless done on a public access road; and
- No foliar herbicide use is permitted within the demarcated rare plant locations, however cut surface herbicides may be used on capable species and specimens.
- Crossing of rare plant locations with mechanized equipment:

  <u>All-Terrain Vehicles (ATVs)</u>

  - Due to small footprint, relatively light weight, and infrequency of use, ATV impact is minimal, therefore crane mats will not be used.
  - If rare plants do not encompass entire ROW width, ATVs will avoid/travel around rare plants.
  - If rare plants encompass entire ROW width:
    - ATVs will utilize existing rare plant travel path/crossing if one exists.
    - If no rare plant crossing exists, ATVs will cross at narrowest point of the rare plants and will restrict this crossing to a single travel lane.

  <u>Heavy Equipment/Vehicles</u>

  - During emergency repair & maintenance work, crane mats will not be used. Heavy equipment/vehicles will utilize existing rare plant crossings if available.
  - During planned repair & maintenance work:
    - If rare plants do not encompass entire ROW width, heavy equipment/vehicles will avoid/travel around rare plants. Crane mats will not be used.

- If rare plants encompass entire ROW width, and there is an established travel path/crossing through the rare plants, heavy equipment/vehicles will utilize this crossing, and crane mats will not be used.
- If rare plants encompass entire ROW width, but there is no established travel path through the rare plants, heavy equipment/vehicles will cross rare plants using crane mats.

Maintenance Procedures for Mapped Significant Sand and Gravel Aquifers

Transmission lines located over mapped significant sand and gravel aquifers are subject to the typical transmission line corridor maintenance procedures, except that no refueling or maintenance of equipment, and no herbicides may be mixed, transferred or stored, over the mapped significant sand and gravel aquifers, unless done so on a public access road.

Locating and Marking Buffers and Habitats

A database will be maintained, including maps and GIS shapefiles, of the buffers, restricted habitats, and sensitive areas and their locations relative to the nearest structure (pole) or road location. The distance and direction from the nearest structure to the sensitive area will be included with the name of the area and the structure number. All structures along the transmission line corridor will be numbered at the time of construction.

To aid in identifying restricted areas, buffers and restricted habitats may be located and demarcated in the field using brightly colored flagging or signage prior to the initiation of maintenance activities along the transmission line corridor. Alternatively, use of GIS data and GPS equipment may be used to provide accurate location of resources and associated buffers during maintenance activities. If desired, maintenance personnel may permanently demarcate restricted habitats to aid in long-term maintenance activities. Maintenance contractors working on the transmission line corridor will be provided a copy of this VMP. Use of this VMP in conjunction with the As-Built Plan & Profile drawings will enable maintenance contractors to locate and mark restricted areas in the field.

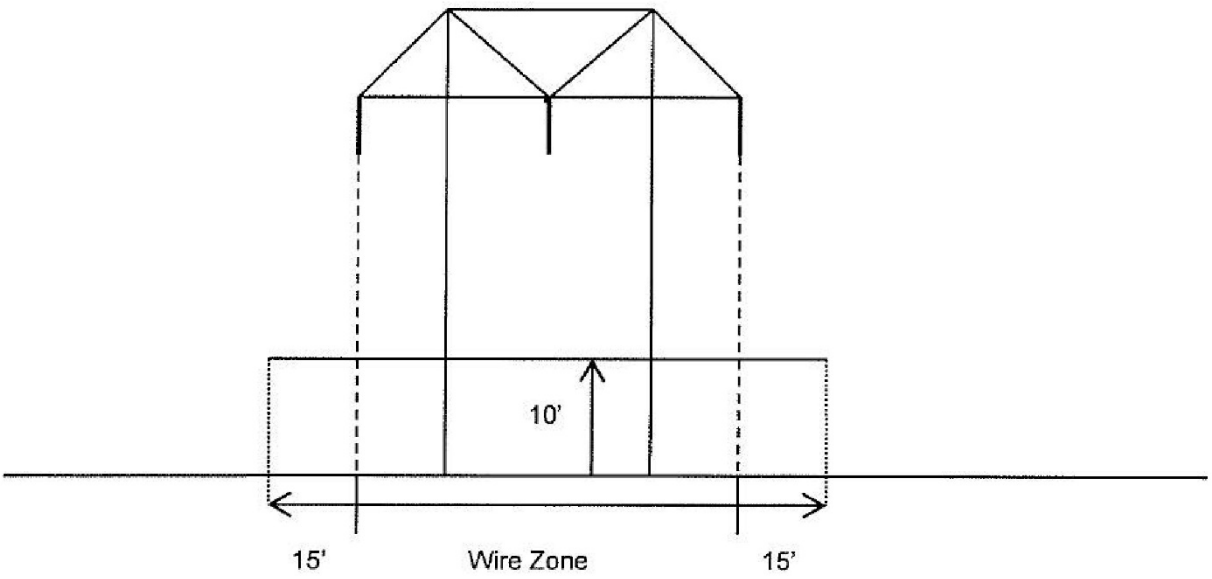
Maintenance Personnel Training

Personnel who will conduct vegetation maintenance activities on the transmission line corridor will receive appropriate environmental training before being allowed access to the transmission line corridor. Maintenance personnel will be required to review this VMP prior to the training and before conducting any maintenance activities. The level of training will be dependent on the duties of the personnel. The training will be given prior to the start of maintenance activities. Replacement or new maintenance personnel that did not receive the initial training will receive similar training prior to performing any maintenance activities on the transmission line corridor.

The training session will consist of a review of the buffers and restricted habitats, the respective maintenance requirements and restrictions for each, and a review of how these areas and resources can be located in the field. Training will include familiarization with and use of GIS

information and sensitive natural resource identification in conjunction with the contents of this VMP, as well as basic causes, preventive and remedial measures for contamination, and erosion and sedimentation of water resources. Training will also include a review of safety and the proper use of appropriate maintenance tools.

Figure 1



1. Capable species, regardless of height, are cut back to ground level or treated with herbicides within the entire length and width of the transmission line corridor during scheduled vegetation maintenance (every 4 years). However, within stream buffers, only capable specimens over 10 feet tall may be cut or treated (specimens at or above this height are likely to grow into the conductor safety zone prior to the next scheduled vegetation maintenance cycle).
2. All woody vegetation over 10 feet in height and inside the wire zone, whether capable or non-capable, is cut back to ground level during scheduled vegetation maintenance.

Attachment C
Revised Natural Resource Maps (Site Law Application -Attachment 2)

Provided Electronically and in Hardcopy (under separate cover)

Attachment D
Revised Site Law Section 5.2.2 MDEP Noise Standards

5.2.2 Maine Department of Environmental Protection Noise Standards

The MDEP noise standard limits noise at protected areas, which are defined as any area accessible on foot containing a residence, house of worship, school, library, hospital, nursing home, etc. Limits are provided for protected areas based on the existing ambient noise levels and existing land use or zone.

At protected locations where the existing zoning or the existing use is predominantly commercial, transportation or industrial, in accordance with Chapter 375(10)(C)(2), Project sound levels are limited to 70 dBA during the day (7:00 AM to 7:00 PM) and 60 dBA at night (7:00 PM to 7:00 AM), measured at the property line of the receiver. For protected locations where the zoning or the existing use is not predominantly commercial, transportation or industrial, Project sound levels are limited to 60 dBA during the day and 50 dBA at night. Further, if the existing all-encompassing ambient levels (L_{eq}) are at or below 45 dBA during the day or 35 dBA at night, then the area would be considered a quiet area, and the allowable Project levels are limited to 55 dBA during the day and 45 dBA at night. The State noise standard further allows that when a physical residence is greater than 500 feet from the property line, the noise standard at that portion of the property line be relaxed to the daytime limit of 55 dBA at all hours of the day.

The MDEP requires a 5-dBA penalty be added to the measured total dBA when pure tones are observed, as defined by the standard. The substations could have nighttime property line sound level limits of 45 dBA, 50 dBA, or 55 dBA, based on zoning classification of the adjacent property, location of residence on the adjacent property, and/or existing ambient sound levels. If a tone is measured at the protected area, a 5-dBA penalty would be added to the measured overall sound level when compared to the limits. This would effectively lower the sound the substation is able to emit by 5 dBA. In order to analyze this penalty, modeled results where a tone could be present were increased by 5 dBA. The generated contours will not reflect this increase.

The MDEP provides sound level limits for construction activities. The sound from construction activities between 7:00 PM and 7:00 AM is subject to the nighttime sound level limits applicable to normal operation at the site. Sound from construction activities between 7:00 AM and 7:00 PM or during daylight hours, whichever is longer, is exempt from regulation under Title 38, §484-3A.

Note: Changes in red are consistent with Marybeth Richardson's comments on October 4, 2017. Table 5-3 has been omitted from the Application since it is no longer applicable.

Attachment E
Revised Site Law Exhibit 3-1- NECEC Schedule

Exhibit 3-1: NECEC Construction Schedule

Construction Activity	Estimated Start	Estimated Completion
Merrill Road HVDC Converter Construction	12/4/2019	4/5/2022
Larrabee Road Construction	8/21/2020	3/17/2022
Maine Yankee Construction	8/21/2020	6/24/2021
Raven Farm - Construction	7/10/2020	3/17/2022
Fickett Road - Construction	12/28/2020	4/6/2022
Coopers Mills Road - Construction	12/28/2020	8/18/2022
Surowiec - Construction	8/24/2020	3/24/2021
HVDC - Section 3006 Construction (Northern Section)	12/19/2019	7/31/2022
HVDC- Section 3006 Construction (Southern Section)	10/31/2019	7/31/2022
345kV - Section 3005 Construction	4/6/2022	6/27/2022
345 kV - Section 3027 Construction	5/12/2020	6/23/2021
115kV - Section 62 Construction	5/18/2021	12/30/2021
115kV - Section 64 Construction	5/12/2020	7/7/2021

*Changes in red, consistant with NECEC Program Schedule- UPDATE: Tue 4/17/18.pdf

Attachment F
SEARCH, Inc. Architectural History Report

ABOVE GROUND HISTORIC RESOURCES IDENTIFICATION SURVEY REPORT
NEW ENGLAND CLEAN ENERGY CONNECT
ANDROSCOGGIN, CUMBERLAND, FRANKLIN, LINCOLN, SAGADAHOC, SOMERSET,
AND KENNEBEC COUNTIES, MAINE

CONTINUING PROJECT MHPC #1148-17

PREPARED FOR

CENTRAL MAINE POWER

83 EDISON DRIVE
AUGUSTA, MAINE 04336

PREPARED BY

SEARCH

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CONSULTATION INITIATED: AUGUST 2017
IDENTIFICATION RESULTS SUBMITTED: AUGUST 2018

Above Ground Historic Resources Identification Survey Report
New England Clean Energy Connect
Androscoggin, Cumberland, Franklin, Lincoln, Sagadahoc, Somerset,
and Kennebec Counties, Maine

Continuing Project MHPC #1148-17

Prepared for

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Consultation Initiated: August 2017
Identification Results Submitted: August 2018

EXECUTIVE SUMMARY

In April and May 2018, SEARCH conducted a reconnaissance survey to identify above ground historic resources within the indirect and direct Areas of Potential Effect (APEs) of the New England Clean Energy Connect (NECEC) Project (Project). The NECEC Project is proposed by Central Maine Power Company (CMP) in response to the Request for Proposals for Long-Term Contracts for Clean Energy Projects, dated March 31, 2017, issued by the Massachusetts Department of Energy Resources and the Electric Distribution Companies of Massachusetts. NECEC will deliver renewable energy from Hydro-Quebec to the New England Control Area and is being reviewed under Section 106 of the National Historic Preservation Act (NHPA) and permitted under the Maine Site Location of Development Act. Federal review is being undertaken by the US Department of Energy (DOE; lead agency) and the US Army Corps of Engineers (USACE; lead agency). State review is being undertaken by the Maine Department of Environmental Protection (MDEP), the Maine Public Utilities Commission (MPUC), and the Maine Land Use Planning Commission (LUPC).

The proposed Project is 322.4 kilometers (km) (200.4 miles [mi]) long, crosses portions of seven counties, 24 municipalities, and 15 unorganized territories within the State of Maine, and is composed of new and rebuilt transmission lines and their associated substations. The Project extends from the Canadian border to the Surowiec Substation in Pownal and from the Coopers Mills Substation in Windsor to the Maine Yankee Substation in Wiscasset. The indirect APE for the Project was determined by Maine Historic Preservation Commission (MHPC) to consist of a 0.8-km (0.5-mi) buffer on either side of the Project centerline (CL). The direct APE was determined by MHPC to consist of the entire right-of-way (ROW) width or facility footprint where ground-disturbing activities could take place.

A scope of work (SOW) for the reconnaissance survey was approved by the MHPC on September 7, 2017; however, that SOW was modified at the request of the MHPC during a project consultation meeting on July 12, 2018. The reconnaissance survey identified 1,488 above ground historic resources within the Project APE. This reconnaissance survey report summarizes the findings of the reconnaissance survey and makes preliminary National Register of Historic Places (NRHP) recommendations for those properties and assesses the potential for project effects to those properties.

One hundred and twenty-seven of these resources are historic properties that have been previously determined eligible (103) for or listed (24) on the NRHP.

Of the remaining resources, 1,175 have been determined or are recommended to be not eligible for the NRHP, and 186 have been recommended potentially eligible for the NRHP. These recommendations complete the identification of above ground historic properties for the NECEC Project.

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1.0 RESEARCH DESIGN AND BACKGROUND RESEARCH

1.1 BASIS

In April and May 2018, SEARCH conducted a reconnaissance survey to identify above ground historic resources within the New England Clean Energy Connect (NECEC) Project (Project). The NECEC Project was proposed by Central Maine Power Company (CMP) in response to the Request for Proposals for Long-Term Contracts for Clean Energy Projects, dated March 31, 2017, and issued by the Massachusetts Department of Energy Resources and the Electric Distribution Companies of Massachusetts. NECEC will deliver clean energy from Quebec-based sources to the New England Control Area for Massachusetts customers.

The survey was initiated by CMP, and SEARCH was contracted to perform these cultural resources consultation services. This survey and report are part of consultation in compliance with Section 106 of the National Historic Preservation Act (NHPA) and the Maine Site Location of Development Act. Federal review is being undertaken by the US Army Corps of Engineers (USACE; lead agency) and the US Department of Energy (DOE; lead agency). State review is being undertaken by the Maine Department of Environmental Protection (MDEP), Maine Public Utilities Commission (MPUC), and Maine Land Use Planning Commission (LUPC).

These laws require the identification of historic properties that could be affected by the undertaking. A historic property is "a prehistoric or historic district, site, building, structure, or object included in or eligible for inclusion in the NRHP." This report identifies existing historic properties as well as historic districts, buildings, structures, or objects within the project Area of Potential Effect (APE) that are 50 years of age or older.

1.2 SCOPE OF WORK

The goals of the reconnaissance survey and report were to accomplish the following, relative to the NECEC direct and indirect APEs:

1. Identify known historic properties and relocate during field survey
2. Conduct supplemental background research at the Maine Historic Preservation Commission (MHPC) to identify previously recorded above ground historic resources on file with MHPC to be relocated during field survey.
3. Locate above ground resources over 50 years of age not previously identified
4. Verify or collect locational data for previously identified historic properties, previously identified historic resources, and newly identified historic resources.
5. Establish which properties and resources the Project could have an effect upon, either directly or indirectly.
6. Make preliminary National Register of Historic Places (NRHP) eligibility recommendations for all identified resources.

Above ground historic resources within the Project area have been documented in connection with 35 surveys as identified in MHPC data. These surveys identified 416 resources across 18 towns and seven counties (**Table 1-1**). The 416 resources include duplicates, in that some resources were surveyed multiple times for various surveys. Previously recorded resources within the NECEC project survey (380) are summarized in **Table 1-2**.

Table 1.2. Previously Identified Above Ground Resources within the NECEC Project Survey Area by Town and County.

County	Town	Resources Identified
Androscoggin	Auburn	6
Androscoggin	Greene	16
Androscoggin	Leeds	24
Androscoggin	Lewiston	62
Androscoggin	Livermore Falls	14
Cumberland	Pownal	26
Franklin	Farmington	9
Franklin	Jay	6
Kennebec	Windsor	32
Lincoln	Alna	1
Lincoln	Whitefield	2
Lincoln	Wiscasset	36
Sagadahoc	Woolwich	1
Somerset	Anson	9
Somerset	Bingham	74
Somerset	Concord Twp	23
Somerset	Embden	2
Somerset	Moscow	36
Multiple	Multiple	1
Total		***380***

Table 1.1. Previous Above Ground Surveys that have Identified Historic Resources in the NECEC APE.

Project ID	Survey ID	Surveyor	Resources Identified
0086-11	7342	Inc., PAL	116
2130-10	6601	Larry, Julie	24
M2421	2421	Mitchell, Christi	24
2375-08	15542	Coyne, MHPC, Claudette	23
0901-11	8381	Jenkins, Ellen	21
MPRP Segment 14 MMA	10301	Norris, Christine	21
MPRP Segment 14	5681	Norris, Christine	19
M15206	15206	Coyne, MHPC, Claudette	15
0186-09	16107	Mitchell, Christi	12
1598-08	8802	Norris, Christine	12
19010	11141	Taylor, Amanda	12
0999-12	12181	Inc., VHB,	11
12669	5321	Norris, Christine	10
M12661	12661	Coyne, MHPC, Claudette	10
M11702	11702	Mitchell, Christi	9
M7461	7461	Mitchell, Christi	9
0520-13	13102	Rankin, Ellen	8
0345-10	4242	Larry, Julie	7
2462-08	14061	Coyne, MHPC, Claudette	7
MPRP Seg 39	5661	Norris, Christine	6
17316 / 17874.00	7421	Willis, Kate	5
18892	15902	Taylor, Amanda	5
0498-08	6841	Jenkins, Ellen	4
10209	11081	Burke, Martha	4
19019	10041	Hopkin, Megan	4
1539-13	14922	Rankin, Ellen	3
M11821	11821	Mitchell, Christi	3
16637.2	961	Jergensen, Kurt	2
21657	16089	Taylor, Amanda	2
2462-08	14342	Coyne, MHPC, Claudette	2
M13682	13682	Mitchell, Christi	2
M13722	13722	Mitchell, Christi	2
17234	4361	Jergensen, Kurt	1
M9121	9121	Larry, Julie	1
Total			***416****

*36 resources were double counted as part of these surveys. This total represents 380 unique resources.

Prior to this reconnaissance survey and report, no above ground surveys had been performed for the NECEC Project; however, a Sensitivity Assessment and Scope of Work (SOW) was submitted to and approved by the MHPC in September 2017 (Freedman et al. 2017). This report discussed the historic contexts and assessed the currently inventoried property types for each county within the NECEC indirect APE.

1.3 PROJECT DESCRIPTION

The proposed Project is approximately 322.4 kilometers (km) (200.4 miles [mi]) long, crossing portions of 24 municipalities and 15 unorganized territories within the State of Maine (**Figure 1-1**). The proposed Project primarily consists of three distinct pieces of electric transmission infrastructure (see **Figure 1-1; Table 1-3**). The first extends from the Canadian border to Lewiston; the second extends from Lewiston to Pownal; and the third is located between Windsor and Wiscasset. The Project begins at the Canadian border with a high voltage direct current (HVDC) transmission line running from Beattie Township to a proposed DC-to-AC converter station near Merrill Road in Lewiston.

Table 1-3. NECEC Project Summary.

Component	Segment	Area/ ROW Width	Existing Conditions	Length
Coopers Mills Substation	Coopers Mills to Maine Yankee	N/A*	Existing Substation	N/A*
345 kV Line	Coopers Mills to Maine Yankee	167 m (550 ft)	Partially developed ROW	42.6 km (26.5 mi)
Maine Yankee Substation	Coopers Mills to Maine Yankee	N/A*	Existing Substation	N/A*
Section 64 Rebuild	Larrabee to Surowiec	107 m (350 ft)	Existing Corridor	15.0 km (9.3 mi)
Section 62 Rebuild	Larrabee to Surowiec	122 m (400 ft)	Existing Corridor	25.9 km (16.1 mi)
Fickett Road Substation	Larrabee to Surowiec	2.5 ha (6.1 ac)	New Facility	N/A*
345 kV Line	Larrabee to Surowiec	122 m (400 ft)	Partially developed ROW	0.4 km (0.3 mi)
Surowiec Substation	Larrabee to Surowiec	N/A*	Existing Substation	N/A*
HVDC Line	Wyman to Larrabee Road	122 m (400 ft)	Partially developed ROW	115.1 km (71.5 mi)
HVDC Line	Wyman to Larrabee Road	232 m (700 ft)	Partially developed ROW	1
Converter Station	Wyman to Larrabee Road	2.8 ha (7.0 ac)	New Facility	N/A*
345 kV Line	Wyman to Larrabee Road	122 m (400 ft)	Partially developed ROW	1.9 km (1.2 mi)
Larrabee Road Substation	Wyman to Larrabee Road	N/A*	Existing Substation	N/A*
HVDC Line	Quebec to Wyman	91 m (300 ft)	New Corridor	86.3 km (53.6 mi)
HVDC Line	Quebec to Wyman	91 m (300 ft)	Partially developed ROW	35.2 km (21.9 mi)
Wyman Hydro	Quebec to Wyman	N/A*	Existing Hydropower Station	N/A*
Raven Farm Substation	Transformer installation	N/A*	Existing Substation	N/A*
	Total (Area)	*5.3 ha (13.1 ac)*	*Total (Length)*	*322.4 km (200.4 mi)*

**Existing facility—no ground disturbance outside of existing footprint. No impact to cultural resources. Not considered further in this report.*

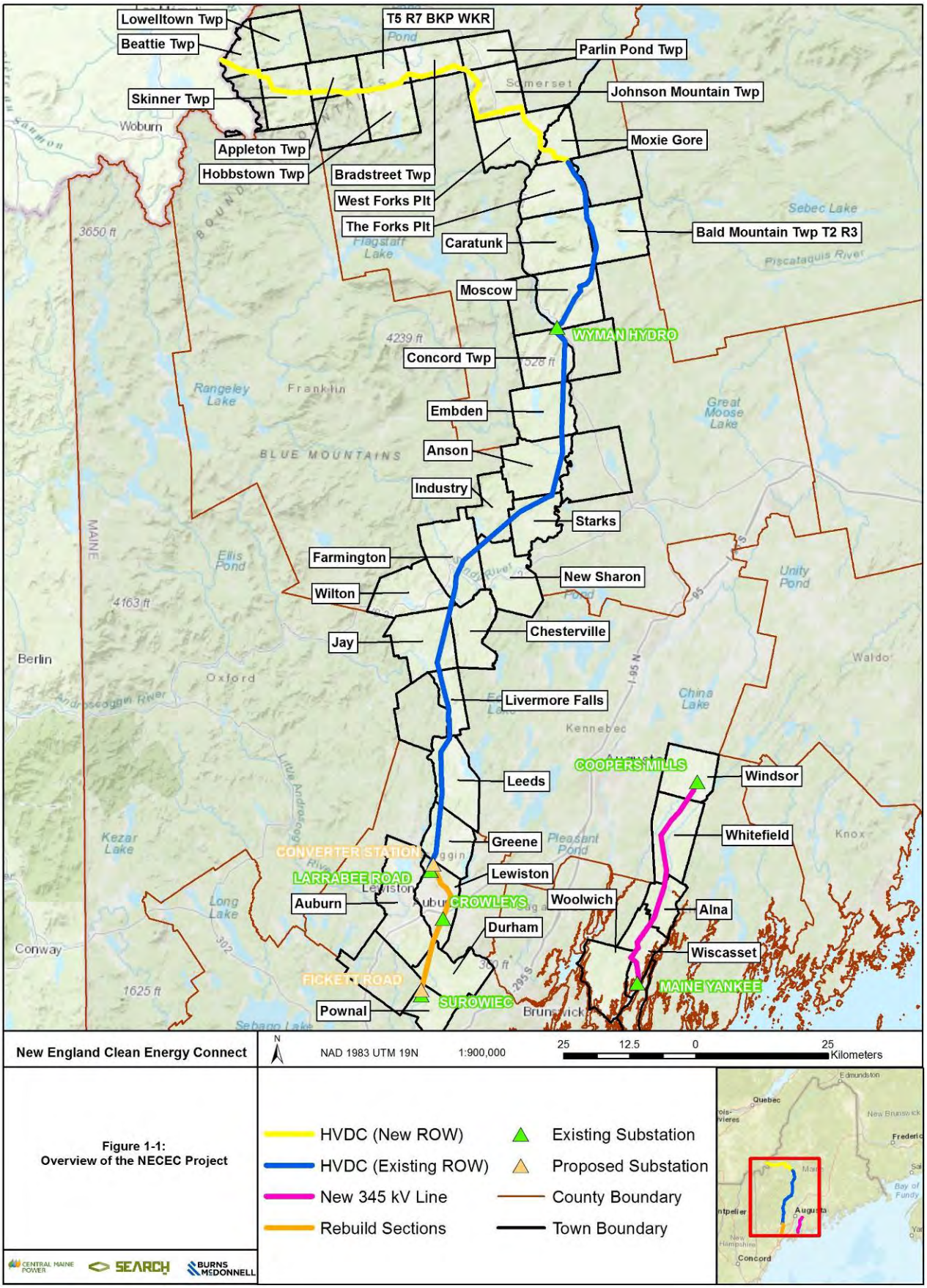

Figure 1-1:
Overview of the NECEC Project

A new 345 kilovolt (kV) transmission line will connect the converter station to the existing Larrabee Road Substation in Lewiston. South of the Larrabee Road Substation, two existing 115 kV transmission lines (Sections 62 and 64), terminating at the Surowiec Substation in Pownal, will be rebuilt. A new substation will be constructed adjacent to the Surowiec Substation on Fickett Road, and a 345 kV transmission line will connect the two substations.

1.4 Area of Potential Effect

The APE for direct and indirect Project impacts was established through consultation with MHPC. This consultation resulted in the establishment of an indirect APE that consisted of a 0.8-km (0.5-mi) buffer around the Project centerline (CL) within the State of Maine (Megan Hopkin, personal communication 2017). The direct APE will be composed of the entire right-of-way (ROW) width or facility footprint where ground-disturbing activities could take place (see **Table 1-3**). **Figure 1-1** shows the location of the Project APE on topographic mapping. Detailed maps that depict both the direct and indirect APEs relative to survey results appear in **Appendix A**.

1.5 Survey Boundaries

This survey identified above ground historic resources within the direct and indirect APEs that were visible from public ROWs or the proposed transmission corridor. Section 1.2, above, provides a narrative description of the Project route. Detailed maps, which show the survey boundary (in this case, the extents of the indirect APE), are presented in **Appendix A**.

1.6 Survey Methodology

Prior to fieldwork, a review of previously recorded resources that are uploaded to MHPC's Cultural Architectural Resource Management Archive (CARMA) was conducted and reported on to MHPC as part of the NECEC's Sensitivity Assessment and SOW (Freedman et al. 2017). Prior to field survey, a review of MHPC's survey and National Register files was conducted at the commission's offices in April 2018. This research identified properties located within the indirect APE that are listed in or eligible for listing in the National Register of Historic Places (NRHP). The site file research also identified properties that have been determined not eligible for the NRHP, as well as properties that have not yet had a determination of eligibility and surveyed properties that have not yet been entered into CARMA. This review ensured that all previously identified resources, associated survey forms, and geographic information system (GIS) data were utilized in the field during the reconnaissance survey.

Field methods were designed to examine the direct and indirect APE in order to: (1) relocate previously recorded above ground historic resources; (2) identify previously undocumented resources 50 years old or older; and (3) consider NRHP eligibility of identified above ground historic resources within the Project area. Fieldwork was conducted by Jenna Dunham (Architectural Historian), Maureen Bowman (Architectural Historian), and Tricia Peone (Historian) from April to May 2018. A driving or windshield survey covered all public roads within the indirect APE and Project survey area in order to examine existing buildings, structures, landscapes, and other aspects of the built environment. Above ground historic resources that appeared to meet the National Register criteria threshold age of 50 years old or older were photographed and noted. The locations of these resources were documented by Global Positioning System (GPS), noted on field maps, and described in photograph logs, including physical property addresses where possible. Surveyors recorded an approximate address when no physical address was clearly visible. Upon completion of fieldwork, the data were processed and analyzed at SEARCH offices. Field photographs were geo-tagged, GPS points were examined for spatial accuracy, field logs were transcribed, and the resulting data sets were incorporated into the SEARCH architectural history GIS for the proposed Project. Following the processing of field data, all identified resources were reviewed to confirm that they were at least 50 years of age. Properties determined to be less than 50 years of age were removed from the Project data set. The remaining properties were reviewed individually to determine overall integrity and whether sufficient data had been gathered to recommend an NRHP eligibility.

Next, publicly available parcel data were imported into the Project GIS. Parcels where above ground historic resources were located were analyzed to determine if they could be affected by the Project. For example, a resource that was located on a parcel that intersected the NECEC direct APE was considered to be directly affected by the Project. A resource that was located on a parcel that intersected the land cover viewshed was considered to be indirectly affected because the Project may be visible from one or more locations on a parcel. The viewshed analysis was performed using the land cover viewshed model created by Terrance J. DeWan & Associates (TJD&A) for the NECEC Visual Impact Assessments (VIA). Detailed information on this product can be found in Section 6.0 of the NECEC Site Law Application filed with the MDEP in September 2017. The results of this analysis were used to determine if the project had the potential to affect each resource.

2.0 SURVEY FINDINGS

2.1 ACRES

The direct and indirect APEs for the NECEC Project cover a total of 52,898 hectares (ha) (130,714 acres [ac]). The Project APE is depicted in detail in **Appendix A**. The Project APE was surveyed where it intersected public ROWs.

2.2 SETTING

The NECEC Project area crosses seven of Maine's 16 counties (Franklin, Somerset, Androscoggin, Cumberland, Kennebec, Lincoln, and Sagadahoc) and runs through 24 municipalities and 15 unorganized territories. The majority of the proposed route is located within existing power transmission corridor ROWs and is composed of a combination of new and rebuilt transmission lines that extend from the Canadian border to the Surowiec Substation in Pownal, crossing Franklin, Somerset, Androscoggin, and Cumberland counties in western and central Maine. A second proposed transmission line would extend from the Coopers Mills Substation in Windsor to the Maine Yankee Substation in Wiscasset, crossing Kennebec, Lincoln, and Sagadahoc Counties in Coastal Maine.

After crossing the US-Canadian border in Franklin County, the Project passes through (from north to south) Beattie Township, Lowelltown Township, and Skinner Township. Entering Somerset County, the Project passes through Appleton Township, T5R6 Township, T5R7 Township, Hobbstown Township, Bradstreet Township, Parlin Pond Township, Johnson Mountain Township, West Forks Plantation, Moxie Gore, The Forks Plantation, Caratunk, Bald Mountain Township, Moscow, Concord Township, Bingham, Embden, Anson, and Starks. Entering Franklin County again, the Project passes through Industry, New Sharon, Farmington, Wilton, Chesterville, and Jay. The Project then crosses into Androscoggin County and passes through the towns of Livermore Falls, Livermore, Leeds, Greene, Lewiston, Auburn, and Durham before entering Cumberland County to terminate in Pownal at the Surowiec Substation. The NECEC Project area, for the second proposed transmission line from Coopers Mill Substation to the Maine Yankee Substation, begins in Windsor in Kennebec County before entering Lincoln County and passing through the towns of Whitefield, Alna, and Wiscasset. The route leaves Wiscasset briefly to enter a small portion of Woolwich in Sagadahoc County and then re-enters Wiscasset.

The NECEC Project area passes through rural farmlands and unorganized townships, as well as urban areas. Early European explorers of the coastal region included Samuel de Champlain, who explored the coast for France in 1604 and mapped the Gulf of Maine. During his expedition, Champlain explored rivers and bays, including the Kennebec River. In the early seventeenth century, both the English and the French were engaged in the fur trade with

Native Americans along the coast, and both empires claimed the territory. As a result of ongoing warfare between England, France, and Native Americans, forts and garrisons were constructed along Maine's coast during the seventeenth and eighteenth centuries, including Fort St. George at the mouth of the Kennebec River (Hornsby et al. 2015). In 1607, the Plymouth Company attempted to establish a permanent English settlement at the mouth of the Kennebec River. A group of 100 colonists led by George Popham and Raleigh Gilbert built a fort (Fort St. George) and several buildings, but by the winter of 1607, half of the colonists had returned to England. The colony at Sagadahoc failed after a year (Beckenstein 2004).

Several of the towns in the Project area are connected by the Kennebec and Androscoggin rivers, waterways that played a significant role in their development. The Androscoggin River joins the Kennebec at Merrymeeting Bay. Much of the land along the lower Androscoggin was contained in the Pejepscot patent, and English colonists had been settling in that area since the early seventeenth century. The proprietors of the Kennebec patent claimed most of the Kennebec valley in the mid-eighteenth century. Settlements to the north and west commenced after the British defeated the French in the Seven Years' War (1754–1763). In exchange for military service during the war, land grants in Maine were given out by the government of Massachusetts. Large land grants were often subject to competing claims throughout this period of early settlement in Maine (Hornsby et al. 2015:14).

Fishing and shipbuilding were historically important industries for communities on the Kennebec River (Hornsby et al. 2015:32). English fishermen were seasonal visitors to coastal Maine with fishing fleets prior to the establishment of permanent colonies. The New England fishing industry developed in coastal towns in the mid-seventeenth century, making fish a staple of the New England economy. Along with fishing, shipping and shipbuilding developed as integral parts of Maine's (and New England's) economy. Maine timber was used to build ships in coastal Maine shipyards; merchants then exported fish caught by Maine fishermen to other parts of the British Empire. The Kennebec and Androscoggin rivers were also important travel routes into Maine's interior, before and after the arrival of railroads.

Logging has historically been an important industry for communities on the Kennebec and Androscoggin rivers. In 1820, Lincoln County had 115 sawmills, Kennebec County had 87, Cumberland County had 79, and Somerset had 43 (Hornsby et al. 2015:31). The Kennebec River saw the second largest log drives in Maine, and by the 1830s, several logging companies were operating on the river (Wilson 2001:53). In the nineteenth century, there was intensive logging along many of Maine's rivers, and by the end of the century, concern over the negative consequences of industrialization and diminishing natural resources had increased (Judd 2007:9). Log drives on the Kennebec River ended in the 1970s (Begin 2012). Intense industrial pollution of the Androscoggin River helped inspire the Clean Water Act of 1972. Much of the pollution had been caused by the paper manufacturing industry beginning in the nineteenth century. By the mid-twentieth century, the Androscoggin was one of the most polluted rivers in the country (Bennett and Nickerson 2007).

As the logging industry in Maine waned, towns switched to recreation and tourism to supplement their economies. The tourism industry began to flourish in Maine in the period after the Civil War (1861–1865). Tourists who visited this area in the second half of the nineteenth century were drawn by the promise of fishing, hunting, canoeing, and hiking through vast tracts of largely undisturbed wilderness (Hornsby et al. 2015:60). Railroads and steamboats transported tourists from all over the country. Steamboats operated on the Androscoggin and Kennebec rivers beginning in the mid-nineteenth century (Bennett and Nickerson 2007; Wilson 2001:57). Steamboats on the Kennebec hauled timber down the river and switched to passengers in the summer (Wilson 2001:58). Sporting camps and grand hotels were constructed near rivers and lakes, such as the famous Mount Kineo House on Moosehead Lake (Farrar 1890). Lake Moxie Camp in the Forks is an early twentieth-century sporting camp within the Project area. Moxie Pond has historically been a popular area for trout fishing (Churchward 1898:17).

In Franklin County, the Project area passes through Beattie Township, Lowelltown Township, Skinner Township, Industry, New Sharon, Farmington, Wilton, Chesterville, and Jay. Euro-American settlement of this area did not begin until the late eighteenth century, and Franklin County was established in 1838. The 1887 *Atlas of Maine* shows the organization of Franklin County with several numbered grants and named plantations laid out while towns are clustered in the southern part of the county (Colby 1887). Agriculture was the primary economic activity in Franklin County in the nineteenth century; the principal products grown were wheat, corn, and oats, and livestock was raised (Howard and Crocker 1881:47). Farmington is the county seat, and in addition to agriculture, the town had several carriage and wagon manufacturers in the nineteenth century (Varney 1881:230). Villages in Farmington in the nineteenth century included Farmington Village, Farmington Falls, West Farmington, Fairbanks Mills, Backus Corner, and Knowlton's Corner (Colby 1887). The Maine Central Railroad runs through Farmington Village. The town of Jay was incorporated in 1795 and became an early industrial center because of its location on the Androscoggin and its falls. Pulp and paper manufacturing were the drivers of the industrial economy in Jay by the 1880s (Lawrence 1912:18). Villages within the town of Jay in the nineteenth century included Bean's Corner, North Jay, Jay Hill, and Jay Bridge (Colby 1887). Farmington and Jay are the largest communities that fall within the APE in Franklin County.

In Somerset County, the Project passes through Appleton Township, T5R6 Township, T5R7 Township, Hobbstown Township, Bradstreet Township, Parlin Pond Township, Johnson Mountain Township, West Forks Plantation, Moxie Gore, The Forks Plantation, Caratunk, Bald Mountain Township, Moscow, Concord Township, Bingham, Embden, Anson, and Starks. Somerset County was established in 1809 out of a portion of Kennebec County. The county seat was originally at Norridgewock, but was moved to Skowhegan in the late nineteenth century (Sloane 1998:144). In 1820, Somerset County had a population of 21,787 (Hayward 1839). Agriculture was historically important to the economy of Somerset County. In the 1830s, the county produced more wheat than any other county in Maine (Hayward 1839). The 1887 *Atlas of Maine* shows Somerset County organized into townships, with the northern portion of the county consisting largely of numbered grants and the southern portion consisting

of named towns (Colby 1887). Bingham was established in 1812; by 1880, the town had a population of 828 (Varney 1881:119). Bingham Village was the commercial and industrial center by the late nineteenth century, and local industries included lumber, carriages, and harnesses (Varney 1881:118). There are several important transportation corridors in Somerset County. The Appalachian Trail passes through Caratunk and the Forks in Somerset County. The Old Canada Road passes through the Somerset County towns of Caratunk, Bingham, Moscow, The Forks, and West Forks. This route is now the Old Canada Road Scenic Byway, a National Scenic Byway that follows a portion of US Route 201 to Quebec. This travel corridor was first used by Native people and then by Euro-Americans in the eighteenth and nineteenth centuries. The Somerset Railroad was constructed through Somerset County to reach Moosehead Lake from Oakland (Kennebec County) in the late nineteenth century, reaching Bingham by 1890 (Benson 2008:73). In the early twentieth century, the railroad became part of the Maine Central rail system (Middleton et al. 2007:639).

In Androscoggin County, the Project area passes through the towns of Livermore Falls, Livermore, Leeds, Greene, Lewiston, Auburn, and Durham. Androscoggin County was established in 1854 out of parts of Cumberland, Oxford, Kennebec, and Lincoln Counties. Many of the towns in Androscoggin County were settled by Euro-Americans in the eighteenth century. By the late nineteenth century, both the Grand Trunk and the Maine Central Railroad passed through Androscoggin County. Livermore Falls was originally part of the village of East Livermore within the town of Livermore located on the eastern side of the Androscoggin. East Livermore was incorporated as a separate town in 1843 and included the village of Livermore Falls, which later became the name of the entire town. Sawmills were established on the falls in the late eighteenth century, and lumber became the dominant industry in Livermore Falls along with pulp and paper mills (Merrill 1891:585). The town of Leeds was incorporated in 1801 and included the villages of Curtis Corner, Leeds Centre, North Leeds, and West Leeds (Varney 1881:814). The town of Greene was incorporated in 1788 and remained largely agricultural through the nineteenth century, with some manufacturing in the village of Greene Corner and at Sprague's Mills (Varney 1881:258). By the mid-nineteenth century, Auburn and Lewiston had become the manufacturing centers of the county (Howard and Crocker 1881:18). Textile manufacturing dominated Lewiston from the mid-nineteenth century, and Auburn had 14 shoe factories operating in the late nineteenth century (Varney 1881:82). Large brick mill buildings and a system of canals were constructed at the falls to facilitate manufacturing by the mid-nineteenth century (Varney 1881:321). Lewiston was incorporated as a town in 1795, then as a city in the early 1860s, and is currently the second largest city in Maine after Portland. In Lewiston, the Androscoggin & Kennebec Railroad was built in the first half of the nineteenth century (Colton 1855). The town of Durham was incorporated in 1789, and in the nineteenth century included villages at Durham, South Durham, and West Durham (Colby 1887).

In Cumberland County, the Project area passes through the towns of Cumberland and Pownal. Cumberland County was established in 1764. By the end of the nineteenth century, the Grand Trunk, Maine Central, and Portland & Ogdensburg railroads passed through Cumberland County. The Atlantic & St. Lawrence Railroad was built through Pownal in the first half of the nineteenth century before being leased to the Grand Trunk Railroad (Colton 1855). Pownal was

incorporated in 1808 and remained largely agricultural throughout the nineteenth century (Varney 1881:469). Villages within the town of Pownal in the nineteenth century included North Pownal, Pownal Village, and West Pownal (Colby 1887). The Project passes through the village of North Pownal.

In Kennebec County, the Project area passes through the town of Windsor. Kennebec County was established in 1799 out of part of Lincoln County. The county was part of the Kennebec patent, which claimed the Kennebec River from Merrymeeting Bay (Kingsbury and Deyo 1892:79). The town of Windsor was originally incorporated as Malta in 1809 and renamed Windsor in 1822 (Kingsbury and Deyo 1892:1172). Early industries in Windsor were clustered along the Sheepscot River, including sawmills, gristmills, lumber, and later a tannery. In the nineteenth century, villages within the town were Windsor Corner, West Windsor, North Windsor, and South Windsor (Colby 1887). The Project area passes through the area that was historically part of South Windsor. The population of Windsor consistently decreased in the second half of the nineteenth century from approximately 1,793 residents in 1850 to only 782 in 1900, but began to increase again in the second half of the twentieth century.

In Lincoln County, the Project area passes through the towns of Whitefield, Alna, and Wiscasset. Lincoln County was established in 1760 and was originally much larger before other counties split off from it. Alna was originally incorporated in 1794 as the town of New Milford (Varney 1881:70). Whitefield was incorporated in 1809, and villages within the town in the nineteenth century included Coopers Mills, North Whitefield, and Kings Mills (Colby 1887). Whitefield was primarily an agricultural community in the nineteenth century, with some manufacturing at Coopers Mills and North Whitefield (Varney 1881:588). Wiscasset was incorporated in 1802, but had been part of earlier settlements dating from the seventeenth century as well as the earlier town of Pownalborough (Varney 1881:601). Shipping was historically an important industry in Wiscasset, as it has a deepwater port. Wiscasset is also the county seat.

In Sagadahoc County, the Project area passes through the town of Woolwich. Sagadahoc County was not established until 1854, although Euro-Americans had settled there since the early seventeenth century. Sagadahoc County was formed out of part of Lincoln County with Bath as the county seat. Shipbuilding was an important industry in Sagadahoc County from the eighteenth century on, centered at the city of Bath. The town of Woolwich broke away from Georgetown and was established in 1759. Nineteenth-century villages within the town included Montsweag, Nequosset, and Woolwich Village (Varney 1881:604). Merrymeeting Bay and the Kennebec River form the eastern boundary of the town. The Project area passes through the northeastern corner of Woolwich, which in the nineteenth century fell between the post office village of Montsweag and Wiscasset Village in neighboring Lincoln County (Colby 1877). Historically, agriculture and shipbuilding were the primary industries in Woolwich.

2.3 Number of Resources Recorded

A total of 1,488 above ground historic resources were identified during the reconnaissance survey (**Table 2-1**). These resources include nine historic districts, 53 farmsteads, 349 agricultural buildings, 11 bridges, five culverts, two dams, 20 cemeteries, four railroads, and multiple private residences, commercial buildings, and industrial buildings. The total number of resources includes those previously identified and located in the CARMA database or on file at MHPC. The **Survey Matrix**, included in **Appendix B, Table 1**, provides details on all resources recorded within the survey area, including their NRHP status, NRHP recommendations, criteria for listing, integrity, and potential Project impacts.

Table 2-1. Above Ground Resources by Town and County.

County	Town	Resources Identified
Androscoggin	Auburn	7
Androscoggin	Durham	31
Androscoggin	Greene	80
Androscoggin	Leeds	76
Androscoggin	Lewiston	216
Androscoggin	Livermore Falls	104
Cumberland	New Gloucester	4
Cumberland	Pownal	51
Franklin	Farmington	108
Franklin	Industry	7
Franklin	Jay	59
Franklin	New Sharon	13
Franklin	Wilton	8
Kennebec	Windsor	52
Lincoln	Alna	18
Lincoln	Whitefield	74
Lincoln	Wiscasset	64
Sagadahoc	Woolwich	5
Somerset	Abbot	1
Somerset	Anson	214
Somerset	Bald Mountain Twp.	3
Somerset	Bingham	128
Somerset	Caratunk	1
Somerset	Concord Twp	23
Somerset	East Moxie Twp	3
Somerset	Embden	11
Somerset	The Forks Plt.	44
Somerset	Moscow	56
Somerset	Starks	24
Multi	Multi	3
Total		***1,488***

2.4 Previously Inventoried Properties

A total of 380 previously inventoried above ground resources exist within the survey area (**Table 2-2**), including four historic districts. Of these, 24 have been listed in the NRHP; 103 have been determined eligible by MHPC for listing in the NRHP; 196 have been determined not eligible for listing in the NRHP; and 57 have had no determination made by MHPC about their NRHP eligibility. In addition, 15 of the previously recorded resources were confirmed during the field survey to have been demolished or removed, and two have been confirmed to be non-historic. The CARMA survey forms for these resources were updated to note their demolition, and the total number of extant previously recorded above ground resources within the Project area is 365. Per MHPC guidelines, previously recorded buildings that had undergone alterations, or had never been entered into CARMA, were updated in MHPC's CARMA system. A summary of all previously recorded resources is included in **Appendix B, Table 2.**

Table 2-2. Previously Recorded Above Ground Resources NRHP Status by Town and County.

County	Town	Resources Identified	NRHP Listed	NRHP Eligible	NRHP Not Eligible	Not Determined
Androscoggin	Auburn	6	0	0	6	0
Androscoggin	Greene	16	0	3	13	0
Androscoggin	Leeds	24	0	6	18	0
Androscoggin	Lewiston	62	1	2	58	1
Androscoggin	Livermore Falls	14	0	6	8	0
Cumberland	Pownal	26	0	0	2	24
Franklin	Farmington	9	0	7	2	0
Franklin	Jay	6	0	0	6	0
Kennebec	Windsor	32	0	0	32	0
Lincoln	Alna	1	1	0	0	0
Lincoln	Whitefield	2	2	0	0	0
Lincoln	Wiscasset	36	9	3	24	0
Sagadahoc	Woolwich	1	0	0	1	0
Somerset	Anson	9	7	0	2	0
Somerset	Bingham	74	1	67	6	0
Somerset	Concord Twp	23	0	5	18	0
Somerset	Embden	2	2	0	0	0
Somerset	Moscow	36	0	4	0	32
Multi	Multi	1	1	0	0	0
Total		***380***	***24***	***103***	***196***	***57***

2.5 TYPES OF PROPERTIES

This section outlines the development of the Project area's above ground resource types and provides a summary of the most prominent architectural styles identified within the Project survey area. Resources within the Project area that are highly representative of the region's architectural styles and historic contexts are discussed below, and specific examples are identified by their Survey Map ID (e.g., ID-407).

With the exception of urban development in the larger populated areas, such as Lewiston, Farmington, and Wiscasset, buildings and landscapes from the late eighteenth through the mid-twentieth centuries are preserved and frequently retain integrity within the Project survey area. Overall, the Project survey area consists of interspersed residential developments in rural agricultural areas with commercial areas located in village centers. The survey area also includes former industrial areas, including paper and lumber mills. With the increase in the tourism industry in the early twentieth century, there are also areas of development based upon the tourist economy. This includes recreational facilities, camps, cabins, ski resorts, motels and hotels, and seaside retreats.

Despite industrial and suburban encroachment, there are representative buildings, structures, and rural landscapes from the late eighteenth through the mid-twentieth centuries located within the viewshed of the proposed Project that retain and convey their integrity of setting,

feeling, and historical significance. Residential, seasonal tourist cabins, and farm buildings in rural settings maintain a greater degree of design, material, feeling, and location than their suburban counterparts.

Residential Resources

Built resources dating from the late eighteenth century through the present day were noted within the Project survey area. Nearly every architectural style was noted within the Project area, including Federal, Greek Revival, Gothic Revival, Queen Anne, Vernacular, Colonial Revival, Bungalow, Ranch, and Split Level. Colonial period resources were not identified in the field, as the survey was limited to above ground and exterior examination of buildings. Buildings from this period would have been built of hewn logs and, if extant, would likely have been incorporated or re-used in other buildings (McAlester and McAlester 1984:75).

In rural areas of the Project survey area, individual residences were remotely located or clustered within a village center. However, in more developed municipalities, such as Lewiston, Auburn, and Wiscasset, residences included single-family residences as well as multi-family homes and apartment buildings.

One of the most common building types in the Project area dating from the eighteenth century through the present is the Cape Cod form. These buildings are typically one or one-and-one-half stories in height with a side gable roof, central or side brick chimneys, and multi-paned double-hung sash windows. Cape Cod homes can embody any number of characteristics from various architectural styles, from Greek Revival to Colonial Revival. Examples of the Cape Cod form in the Project area include the residences on Coopers Mills Road in Windsor and on Main Street in Anson (ID-1318 and ID-1039). A number of early Cape Cod dwellings have been altered, typically with later additions, porches, or dormers.

Greek Revival was the dominant style of American domestic architecture from 1830 to 1850 (McAlester and McAlester 1984:182). Buildings constructed in this style were typically one-and-one-half story and most commonly had a front gable roof, although a side gable roof was not uncommon. Hallmark decorative details include cornice returns, wide bands of trim beneath the roofline, corner boards, and entablatures at entryways with a transom or sidelights. Specific residential examples of Greek Revival architecture include the residence on Madison Street in Anson (ID-1207). The building features a front gable jettied story that is supported by round columns, a classic example of Greek Revival architecture.

Gothic Revival style gained popularity between 1840 and 1870. Andrew Jackson Downing touted this style as ideal for rural areas in the nineteenth century in *The Architecture of Country Houses*. Identifying features of the Gothic Revival style include steeply pitched roofs, often with cross gables, decorative verge-boards, one-story porches, and pointed arch windows (Historic New England 2018). An example of Gothic Revival domestic architecture includes the residence on Frederick Street in Anson (ID-1054). The building features pitched cross gables; however, other decorative characteristics have been covered with the application of asbestos siding.

A common residential type located throughout the Project area includes the side hall house. As the name implies, the entryway is located in a side bay and opens into a side hall. These houses were most often one-and-one-half stories in height with a gable front roof. Often vernacular, these residences had little embellishment or design to link them to a specific architectural style. An example within the Project area was noticed on Philbrick Lane in Whitefield (ID-1386), which also features a wing addition.

Early twentieth-century vernacular cottages and cabins were noted throughout the Project area, particularly in areas known for their recreational attractions, such as the lakes and mountain regions. These were typically one or one-and-one-half stories in height, of simple design, and minimal decorative detail. Examples include the cottages located along Lake Moxie (ID-8, ID-54, and ID-64).

The suburban residential developments that followed World War II included modern dwelling types, such as the cape, ranch, and raised ranch (McAlester and McAlester 1984:477). All of these building types became increasingly popular in the 1960s and are still in use today (McAlester and McAlester 1984:477). The twentieth-century cape commonly includes a pair of dormer windows on the façade and Colonial Revival detailing at the entrance (e.g., ID-1479). The ranch is a one-story dwelling with a low-pitched roof and often includes a picture window and attached carport or connected garage (e.g., ID-951). With the automobile being prevalent in American society after World War II, it was also common for garages to become a popular addition to residences, either as a separate structure (ID-364), connected to the home via a breezeway (ID-400), or incorporated into the design of the home (ID-953). Other examples of post-war residences, such as the raised ranch and split-level, were also observed during the field survey.

Agricultural Resources

Agriculture was the primary economic means for settlers in Maine in the late eighteenth and early nineteenth centuries, and buildings associated with agriculture were the most commonly observed within the Project survey area.

The most common agricultural resource type is the connected farmhouse. The farmhouse has been a major architectural form in New England since the late eighteenth century. Highly functional, farmhouses developed through the building traditions of the Colonial period (Garvin 2001:96-97). These buildings often followed Georgian or Greek Revival architectural styles, or the buildings had no style at all with minimal ornamentation. Building materials may vary, but in this area, they are primarily wood-frame construction with wood clapboarding. Farmhouses are typically grouped with barns, sheds, and other buildings and structures that supported the various agricultural activities of the farm. These buildings were connected, as is often the case in Maine, creating a “connected farm” that typically consisted of the living quarters, or “big house”; a smaller building or ell containing the kitchen area; the “back house” (traditionally a craft-shop or carriage house); and a barn (Hubka 1984:5-6).

Some connected farmhouses were noted in the discussion of residential resources. Additional representative examples from the nineteenth century include those on Packard Road in Greene (ID-600) and on Belanger Road in Jay (ID-846 and ID-847). Many of these altered buildings underwent other changes to their original appearance, including the application of vinyl siding, replacement windows, and additions that detract from the original features of the building. As a result of the decline in agriculture in the early twentieth century and with the advent of the automobile, barns and stables were often repurposed for vehicle storage.

The Project area has seen a diminished agricultural economy during the twentieth century. Farmland has been sold and subdivided to allow for commercial and residential developments. However, some large farms within the Project area are still operating into the twenty-first century, such as the Stukas Farm in Lewiston (ID-335 through ID-338), which features a vast orchard.

Industrial Resources

Many of the industrial sites within the Project survey area, such as the former paper mill in Bingham, are no longer in operation. Yet, a few examples of industrial architecture have survived in the Project area. The Wyman Hydro Dam (ID-1286) was constructed on the upper Kennebec River in Bingham in 1928 to power the mills located south along the lower Kennebec River (Maine Historical Society 2010). At the time of construction, the dam was the largest in the eastern United States and continues operation today.

Religious Buildings

Religious buildings within the Project survey area reflect the varying religions present in the northeast and date from the early nineteenth to late twentieth centuries. These include the Methodist Church (ID-254) in North Pownal and the St. Denis Catholic Church (ID-1368-1369) in Whitefield. One of the earliest surviving examples of a religious building within the Project area is the Bingham Free Meeting House (ID-164, Photograph #52). Dating to 1835, the structure was completed in the Gothic Revival style with pointed arch windows on the side elevations and above the two entries on the façade. The square belfry features a bell-shaped cupola.

Cemeteries

Cemeteries dating from the late eighteenth and early nineteenth centuries were typically small family plots or town cemeteries surrounded by low stone walls or cut granite blocks. The Randall Road Cemetery in Lewiston (ID-386) contains marble markers and is enclosed by a simple wood fence along the road and stone walls along the wooded areas to the north, south, and west.

Cemeteries established in the late nineteenth century include the Franklin Road Cemetery (ID-825) and the Farmington Falls Cemetery (ID-928). Both cemeteries contain marble and granite

gravestones, including a number of mid-sized obelisks. Gravel drives provide travel routes within the cemetery.

An example of an early twentieth-century cemetery is the Fairview Cemetery in Leeds (ID-672). The cemetery contains marble and granite markers and is enclosed by a chain-link fence separated by granite posts. The cemetery is situated on flat, open land and has minimal plantings and vegetation.

Recreational Resources

With the increase of summer tourism in the late nineteenth century through the present day in Maine, a number of buildings were constructed for seasonal residents. Lake Moxie Camp (ID-24) was established in the early twentieth century at Lake Moxie in The Forks Plantation. Seasonal residences within the Project area include modest cottages that were constructed near lakes or scenic vistas. These cottages are typically one-and-one-half stories in height with minimal decorative elements and often included porches on the first stories.

Transportation Resources

Transportation resources or properties within the Project area include historic bridges, railroads, roadways, culverts, and service stations. Railroad-related resources in the Project area include rail beds and lines, depots, whistle posts, mile markers, bridges, and culverts. The Troutdale train depot in Forks Plantation (ID-57) and Baker's Station (ID-68 and ID-69) were part of the former Somerset branch of the Maine Central Railroad line, which brought outdoor enthusiasts to the Lake Moxie/Troutdale area in the early twentieth centuries. The buildings have since been converted to residences and have undergone alterations, such as additions and altered window openings on the former Troutdale Station. Overall, these former railroad stations retain most aspects of integrity.

NRHP Listed/Eligible Resources

The following summarizes the previously identified above ground historic resources located within the indirect or direct APEs that have been determined eligible for listing/are listed in the NRHP (i.e., historic properties) (**Table 2-3**). A representative sample of these resources are described in detail below.

NRHP Listed Resources

The Bingham Free Meeting House, on Old Church Road and Main Street/Route 201 (ID-164) located in Bingham, was listed in the NRHP in 1976 (NRHP #76000113). Located in the heart of Bingham, the church was built in 1835, is an example of the transition between Federal and Gothic Revival architecture, and contributes to the overall character and feeling of a nineteenth- to early twentieth-century industrial village.

The Clough Meeting House at 32 South Lisbon Road (ID-356) in Lewiston was listed on the NRHP in June 2013. Built by the Freewill Baptist Church in 1846, it is the oldest church building in Lewiston. Constructed in the vernacular tradition with modest Greek Revival details, the building is a typical example of the meeting house style church found in New England.

Table 2-3. NRHP Listed/Eligible Previously Recorded Above Ground Resources by Town and County.

County	Town	NRHP Listed	NRHP Eligible
Androscoggin	Greene	0	3
Androscoggin	Leeds	0	6
Androscoggin	Lewiston	1	2
Androscoggin	Livermore Falls	0	6
Franklin	Farmington	0	7
Lincoln	Alna	1	0
Lincoln	Whitefield	2	0
Lincoln	Wiscasset	9	3
Somerset	Anson	7	0
Somerset	Bingham	1	67
Somerset	Concord Twp	0	5
Somerset	Embden	2	0
Somerset	Moscow	0	4
Multi	Multi	1	0
Total		***24***	***103***

Concord Haven (ID-1259), located on the east side of Route 16, north of Berry Road in the Town of Emden, was listed in the NRHP in October 1992. Constructed in the late nineteenth- to early twentieth-century Colonial Revival style, the residence is locally significant under Criterion B in the areas of Health and Medicine for its association with Dr. J. Leon Williams, a dentist and pioneer in the medical field. The structure is also significant under Criterion C for architecture as the only architect-designed structure in the town of Emden.

The Arnold Trail to Quebec (ID-1288) follows the 312.2-km (194-mi) route taken by Benedict Arnold in 1775 along the waterways of Maine to lead an attack on the British in Quebec City, Canada. Listed in the NRHP in October 1969, the expedition route follows the Kennebec River north through Wyman and Flagstaff Lakes, along parts of the Dead River, and then the Chain Ponds into Canada. Although the waterways have been altered with dams, one can still largely follow the route today. The trail includes portions of the indirect APE in Moscow, Bingham, Concord Township, Embden, Anson, and Madison.

A farmstead on 495 Birch Point Road (ID-1547), located in Wiscasset, was listed on the NRHP in 2011. The farmstead was first established ca. 1795 and consists of a single-family residence (connected farm), detached mixed-use barn, dairy barn, and poultry barn. The residence dates to the 1830s, while the barns are mid-nineteenth century. Constructed in the vernacular tradition, the farmstead and its resources, including the agricultural fields, are typical of mid- to late nineteenth-century agricultural construction that contributes to the setting, feeling, and association of nineteenth- to early twentieth-century New England agricultural development.

NRHP Eligible Resources

Over-The-Horizon Backscatter Radar Transmission Site (ID-71), located in Moscow at the northern terminus of Stream Road, was evaluated as eligible for National Register listing by the US Air Force in 2007. In October 2013, MHPC concurred with this determination (MHPC Inventory #293-0062) when it reviewed PAL Inc's. Bingham Wind Survey, dated November 2011. The property is not publicly accessible. It does retain integrity of setting, as the

surrounding area remains undeveloped. The property is eligible under Criterion A for its association with US military history in the United States during the Cold War.

The single-family residence at 374 Randall Road (ID-387) in Lewiston was determined eligible for listing in the NRHP by the MHPC in March 2015 (MHPC Inventory #236-1298). The brick vernacular building was constructed ca. 1860–1870 and features minimal Italianate detailing, such as rounded window hoods in raised brick on the first story of the façade. Brick buildings were minimally observed within the Project survey area. The building has a replacement raised seam metal roof and an aluminum-and-glass security door on the façade. Despite these alterations, the building retains integrity of setting, feeling, association, design, workmanship, and materials.

Located at 1101 Main Street in Lewiston, Jackson's Pine Cone Cabins/Maine Motel (ID-520) was determined eligible for listing in the NRHP by the MHPC in July 2014 (MHPC ID #236-1291). The cabins were constructed in the 1920s as a result of the increase in seasonal tourism brought to the area by the popularity of the automobile. Some of the vernacular cabins have undergone alterations, and the main office building has vinyl replacement windows, vinyl siding, and additions. The surrounding setting has also been altered with modern developments.

The farmhouse (ID-564) and barn (ID-565) located at 297 Route 202 in Greene were determined eligible for listing in the NRHP by the MHPC in November 2014 (MHPC ID #180-0029 and 180-0029a). The farmhouse and connected barn are typical examples of vernacular architecture of the area from the mid-nineteenth century. Both the house and the barn have vinyl siding and replacement windows. The former farmstead no longer retains its associated pastureland due to developments on Route 202. These alterations have resulted in a loss of integrity of design, materials, setting, feeling, and association.

Valley Cemetery is located Route 202 in Greene (ID-580) and was previously determined eligible for listing in the NRHP by the MHPC in May 3013 (MHPC ID #180-0017). The cemetery is a typical example of a rural cemetery from the early to mid-nineteenth century. It features a receiving tomb and wrought-iron fence, as well as more than 100 gravestones. The cemetery retains integrity of setting, feeling, association, design, materials, workmanship, and location.

Additon Farm is located at 6 Additon Farm Road in Leeds and was determined eligible for listing in the NRHP by the MHPC in August 2010 (MHPC ID #234-0013 through 234-0013d). The farmstead includes a connected residence (ID-629 and ID-631), dairy barn (ID-627), silo (ID-628), and two hay barns (ID-630 and ID-632). The farmstead is an excellent example of late nineteenth- to early twentieth-century architectural styles, including Italianate, Queen Anne, and vernacular. The property retains its associated farmland and landscape features such as fencing and stone walls. Additon Farm retains integrity of design, materials, workmanship, setting, feeling, location, and association.

Maine Central Railroad (ID-715) crosses the Project area at multiple locations. A segment of the railroad in Livermore Falls was previously determined eligible for NRHP listing by the MHPC in

May 2004 (MHPC ID #249-0045). The railroad is significant for its association with transportation, and many portions of the railroad retain integrity of design, materials, workmanship, setting, feeling association, and location.

New Norland Grange Hall #580 (ID-716) is located at the intersection of River Road and Androscoggin Bluff Road in Livermore Falls. It was previously determined NRHP eligible by the MHPC in May 2014 (MHPC ID #249-0044). The vernacular building is a typical example of a mid-nineteenth-century grange hall and retains all aspects of integrity.

Bowman Airfield (ID-719), located along River Road in Livermore Falls, was determined eligible for listing in the NRHP by the MHPC in June 2009 (MCHP Inventory #249-0031). The airfield consists of a one-story hangar constructed in the vernacular tradition. The hangar was constructed in the 1960s and was moved from the northern end of the runway following the constructed of additional modern hangars in the 1990s. The resource is a typical example of mid-twentieth-century rural airstrip and complex that retains its rural setting.

Pleasant Hill Cemetery, located at Twelve Corners Road and Pomeroy Hill Road (ID-779) in Livermore Falls, was determined eligible for listing in the NRHP by the MHPC in June 2009 (MCHP Inventory #249-0032). Featuring vernacular style headstones and monuments constructed of stone and concrete, Pleasant Hill Cemetery is an early example of a late nineteenth- to early twentieth-century New England cemetery.

Treat Cemetery, located along Fayette Road (ID-781) in Livermore Falls, was determined eligible for listing in the NRHP by the MHPC in September 2003 (MCHP Inventory #249-0025). Featuring Greek Revival-style headstones and monuments constructed of stone and concrete, Treat Cemetery is an early example of a late nineteenth- to early twentieth-century New England cemetery.

The barn at 40 Turmel Road (ID-795) is located in Livermore Falls and was determined eligible for listing in the NRHP by the MHPC in November 2009 (MCHP Inventory #249-0033a). Constructed in the vernacular tradition, the New England-style dairy barn is a typical example of mid- to late nineteenth-century agricultural construction that contributes to the setting, feeling, and association of mid- to late nineteenth-century New England agricultural development.

The barn at 341 Knowlton Corner Road (ID-886) is located in Farmington and was determined eligible for listing in the NRHP by the MHPC in February 2015 (MCHP Inventory #151-0186a). Constructed in the Greek Revival style, the resource is a typical example of mid- to late nineteenth-century agricultural construction that contributes to the setting, feeling, and association of mid- to late nineteenth-century New England agricultural development.

The single-family residence at 360 Weeks Mills Road (ID-979), located in Farmington, is part of the Henry Hardy Farm and was determined eligible for listing in the NRHP by the MHPC in April 2015 (MCHP Inventory #154-0192). Constructed in the vernacular tradition, the resource is a typical example of late nineteenth-century residential construction that contributes to the

setting, feeling, and association of late nineteenth- to early twentieth-century New England agricultural development.

The barn at 360 Weeks Mills Road (ID-980), located in Farmington, is part of the Henry Hardy Farm and is associated with the single-family residence (ID-979) on the same property. The resource was determined eligible for listing in the NRHP by the MHPC in April 2015 (MCHP Inventory #154-0192c). Constructed in the Vernacular tradition, the resource is a typical example of mid-twentieth-century agricultural construction that contributes to the setting, feeling, and association of late nineteenth- to early twentieth-century New England agricultural development.

The barn at 360 Weeks Mills Road (ID-981), located in Farmington, is part of the Henry Hardy Farm and is associated with the single-family residence (ID-979) on the same property. The resource was determined eligible for listing in the NRHP by the MHPC in April 2015 (MCHP Inventory #154-0192b). Constructed in the Vernacular tradition, the resource is a typical example of early to mid-twentieth-century agricultural construction representative of the New England connected house and barn complex that contributes to the setting, feeling, and association of late nineteenth- to early twentieth-century New England agricultural development.

The barn at 360 Weeks Mills Road (ID-982), located in Farmington, is part of the Henry Hardy Farm and is associated with the single-family residence (ID-979) on the same property. The resource was determined eligible for listing in the NRHP by the MHPC in April 2015 (MCHP Inventory #154-0192a). Constructed in the Greek Revival style, the resource is a typical example of mid-nineteenth-century agricultural construction that contributes to the setting, feeling, and association of late nineteenth- to early twentieth-century New England agricultural development.

The barn at 360 Weeks Mills Road (ID-983), located in Farmington, is part of the Henry Hardy Farm and is associated with the single-family residence (ID-979) on the same property. The resource was determined eligible for listing in the NRHP by the MHPC in April 2015 (MCHP Inventory #154-0192d). Constructed in the Vernacular tradition, the resource is a typical example of mid-twentieth-century agricultural construction that contributes to the setting, feeling, and association of late nineteenth- to early twentieth-century New England agricultural development.

The garage at 360 Weeks Mills Road (ID-984), located in Farmington, is part of the Henry Hardy Farm and is associated with the single-family residence (ID-979) on the same property. The resource was determined eligible for listing in the NRHP by the MHPC in April 2015 (MCHP Inventory #154-0193). Constructed in the Vernacular tradition, the resource is a typical example of mid-twentieth-century transportation that contributes to the setting, feeling, and association of late nineteenth- to early twentieth-century New England agricultural development.

The Garfield School at Kennebec River Road and Jackson Pond (ID-1269), located in Concord Township, was determined eligible for listing in the NRHP by the MHPC in October 2013 (MCHP Inventory #534-007). Constructed in the vernacular tradition, the resource is a typical example of mid-nineteenth-century schoolhouse construction. Several of the materials, including the roof and windows, have been replaced, altering the resource, but generally, the resource retains the setting, feeling, and association of late nineteenth- to early twentieth-century New England rural educational development.

The single-family residence at 259 Kennebec River Road (ID-1279), located in Concord Township, was determined eligible for listing in the NRHP by the MHPC in October 2013 (MCHP Inventory #534-0012). Constructed in the vernacular tradition, the resource features Italianate style detailing and is a typical example of late nineteenth-century residential construction that contributes to the setting, feeling, and association of a late nineteenth- to early twentieth-century New England connected house and barn complex.

The "ell" structure at 259 Kennebec River Road Main Street (ID-1280) is located in Concord Township and is associated with the single-family residence (ID-1279) on the same property. The resource was determined eligible for listing in the NRHP by the MHPC in October 2013 (MCHP Inventory #534-0013). Constructed in the vernacular tradition, the resource is a typical example of mid- to late nineteenth-century residential construction that contributes to the setting, feeling, and association of a late nineteenth- to early twentieth-century New England connected house and barn complex.

The barn at 259 Kennebec River Road Main Street (ID-1281) is located in Concord Township and is associated with the single-family residence (ID-1279) on the same property. The resource was determined eligible for listing in the NRHP by the MHPC in October 2013 (MCHP Inventory #534-0012a). Constructed in the vernacular tradition, the resource is a typical example of mid- to late nineteenth-century agricultural construction that contributes to the setting, feeling, and association of a late nineteenth- to early twentieth-century New England connected house and barn complex.

The Wyman Hydroelectric Station (ID-1286), part of the Wyman Hydro project located at the west end of Station Road in the town of Moscow, was determined eligible for listing in the NRHP by the MHPC in December 2010 (MCHP Inventory #293-0001). The concrete dam and powerhouse, which comprise the hydroelectric station, were constructed by Central Maine Power Company along the Kennebec River. The resource is significant for its role in early twentieth-century industry and engineering.

Wyman Dam (ID-1287), part of the Wyman Hydro project and the Wyman Hydroelectric Station (ID-1286), located at the west end of Station Road in the town of Moscow, was determined eligible for listing in the NRHP by the MHPC in April 2011 (MCHP Inventory #293-0045). The concrete dam was constructed by Central Maine Power Company along the Kennebec River at the south end of what is now Wyman Lake. The resource is significant for its role in early twentieth-century industry and engineering.

The single-family residence at 48 Dickinson Road (ID-1447), located in Wiscasset, is part of the Leslie Farm (ID-1449) and was determined eligible for listing in the NRHP by the MHPC in February 2016 (MCHP Inventory #491-0408). The one-and-one-half-story, moderately-sized stone house, somewhat unique in the area, was constructed in the vernacular tradition ca. 1850 with rear and side ells added later. The residence contributes to the setting, feeling, and association of a mid-nineteenth-century New England farmhouse.

The barn at 48 Dickinson Road (ID-1448) is located in Wiscasset and is associated with the single-family residence (ID-1447) on the same property, which are part of the Leslie Farm (ID-1449). The resource was determined eligible for listing in the NRHP by the MHPC in February 2016 (MCHP Inventory #491-0408a). Constructed in the vernacular tradition, the resource is a typical example of late nineteenth- to early twentieth-century agricultural construction that contributes to the setting, feeling, and association of a late nineteenth- to early twentieth-century New England connected house and barn complex.

The Leslie Farm (ID-1449), located at 48 Dickinson Road in Wiscasset, was determined eligible for listing in the NRHP by the MHPC in February 2016 (Inventory #491-0408hfs). The farmstead is comprised of a single-family residence (ID-1448) with additions, a detached barn (ID-1448), and several smaller outbuildings. Constructed in the vernacular tradition during the 1850s to 1920s, the farmstead and its resources, including the agricultural fields, have the feeling of a gentleman's farm and contributes to the setting, feeling, and association of late nineteenth- to early twentieth-century New England agricultural development.

The Hardy Farm (ID-1517), located at 360 Weeks Mills Road (ID-979) in Farmington, is part of the Henry Hardy Farm and was determined eligible for listing in the NRHP by the MHPC in April 2015 (MCHP Inventory #154-0192hfs). The farmstead is comprised of a single-family residence (ID-979), four barns (ID-980, ID-981, ID-982, and ID-983), and one garage (ID-984). Constructed in the vernacular tradition, the farmstead and its resources, including the agricultural fields, is a typical example of late nineteenth-century agricultural construction that contributes to the setting, feeling, and association of late nineteenth- to early twentieth-century New England agricultural development.

The farmstead (ID-1546), located at 259 Kennebec River Road Main Street in Concord Township, was determined eligible for listing in the NRHP by the MHPC in October 2013 (MCHP Inventory #534-0012hfs). The farmstead is comprised of a single-family residence (ID-1279), an "ell" structure (ID-1280), and a connected barn (ID-1281). Constructed in the vernacular tradition, the resource features Italianate style detailing and, along with its agricultural fields, is a typical example of late nineteenth-century residential construction that contributes to the setting, feeling, and association of a late nineteenth- to early twentieth-century New England connected house and barn complex.

The single-family residence at 226 Main Street (ID-1550), located in Bingham, was determined eligible for listing in the NRHP by the MHPC in October 2013 (MCHP Inventory #042-0201). Constructed in the vernacular tradition, the resource features Greek Revival detailing and is a

typical example of mid-nineteenth-century residential construction that contributes to the setting, feeling, and association of a late nineteenth- to early twentieth-century New England village.

2.6 NATIONAL REGISTER ELIGIBILITY

The individual resources and historic districts identified within the survey area and their NRHP status are presented on topographic and aerial maps in **Appendix A**. These data are presented in tabular form as part of the Survey Matrix (**Appendix B**). Each resource was evaluated for the seven aspects of integrity: design, materials, workmanship, setting, feeling, location, and association. In addition, SEARCH made preliminary findings of significance based on NRHP Criteria A, B, C, or D. Buildings with clear significance under architecture are recommended potentially eligible for the NRHP under Criterion C.

As a result of the reconnaissance survey, SEARCH has gathered sufficient data to offer NRHP recommendations for 865 newly identified properties. In all cases, this recommendation is that the property be determined not eligible for the NRHP. The remaining newly identified resources will either not be impacted by the Project (6) or are recommended potentially eligible for the NRHP (186). The NRHP status of these resources is identified in the Survey Matrix (**Appendix B**), and a representative sample is described below.

Resources Recommended NRHP Eligible

Camps

Lake Moxie Camp (ID-24 through ID-31), located on Troutdale Road in the Forks Plantation in central Somerset County, is likely eligible for NRHP listing under Criterion A for community planning and development and recreation. The camp consists of a series of cabins or camps located along the northwestern shore of Lake Moxie. The Lake Moxie Camp is representative of early twentieth-century traditional Maine sporting camps. Sporting camps sprang up along the shores of many lakes and rivers, spurred on by the expansion of numerous railroad lines, including the Somerset Railroad. This line expanded development northward into Maine and carried passengers north from Boston. These camps provided recreational activities and drew upon popular ideals of pastoral imagery and an escape from industrialized society (Marx 1964). Sporting camps were popular with vacationers seeking relief from the summer heat. During their heyday in the early twentieth century, developers constructed nearly 300 summer camps; however, by the end of the twentieth century, only 74 camps remained (Arlen 2018).

Several cabins that make up the Lake Moxie Camp complex date to the 1920s, with additional cabins constructed in the 1960s. Log construction identifies many of the early cabins, while later additions are of wood-framed construction. The cabins are situated on the east side of Troutdale Road facing Lake Moxie. Community buildings, including a dining hall, kitchen, and

store, are located along the northern edge of the property with camper's cabins located to the southeast (see **Figure 1-1**). Located in a primarily rural and undeveloped setting and maintaining its historic rural viewshed, Lake Moxie Camp retains its historic recreational landscape, including access to Lake Moxie and retention of a majority of the original campers cabins. Minor material alterations to the structures include replacement roofing and windows. However, the camp retains a high degree of architectural integrity and spatial arrangement, including its recreational setting. The property retains integrity of setting, location, design, feeling, and association, and is an example of a local resource useful for interpreting the development of recreational society coupled with northward expansion in northern New England.

Cemeteries

The Clough Cemetery (ID-352) is located on South Lisbon Road in Lewiston. Established in the early 1800s, Clough Cemetery is located in South Lewiston. The original cemetery is enclosed by mature trees with more modern burials located to the south beyond the trees. The cemetery is potentially eligible for the NRHP based on Criterion A for associations with the early development of Lewiston and the history of the city's early settlers. It may also be significant under Criterion C as an example of an intact early cemetery that retains its setting and contains markers representative of typical funerary design of the early to mid-1800s.

The Morris Cemetery (ID-667) is located on Fish Street in Leeds. Established ca. 1860, the Morris Cemetery is located in central Leeds. It appears to be a small, private cemetery that has been well maintained. It is enclosed with a granite block border topped with a chain-link fence and has mature plantings. The cemetery is potentially eligible for the NRHP at a local level based on Criterion A for associations with rural farming life and funerary practices. It may also be significant under Criterion C as an example of an intact rural cemetery that retains its setting and design.

Established ca. 1830s, **Haines Corner Cemetery (ID-736)** is located on Route 133 at Haines Corner Road in central Livermore Falls. It is enclosed with a fieldstone wall topped by a wrought iron fence. The cemetery retains most aspects of integrity and its rural setting. It may be historically significant under Criterion A for its association with the early settlement of Livermore Falls.

Athearn Cemetery (ID-1034) is located on Starks Road in Anson was established in the early nineteenth century. It is enclosed with a decorative chain/wire fence and has an entry arch. The northern portion of the cemetery is the oldest, consists mainly of marble markers, and has several individual plots with curbing. The cemetery retains most aspects of integrity and rural setting. It may be historically significant under Criterion A for its association with the early settlement of Anson.

Greenlawn Cemetery (ID-1457) in Wiscasset was established in the early nineteenth century. It is enclosed with a white wooden fence along the road and stonewalls along the northern and

southern ends. The cemetery consists mainly of marble markers and is divided by uniformly-sized plots in a grid pattern. The cemetery retains most aspects of integrity and bucolic setting. It may be historically significant under Criterion A for its association with the early settlement of Wiscasset. It may also be significant under Criterion C as an example of an intact rural cemetery that retains its setting and design. More modern burials are located in the adjoining Greenlawn Memorial Garden.

Farms and Farmsteads

The B. F. Hilton Farm (ID-1020), located at 1195 Hilton Hill Road in Starks, is likely eligible for listing in the National Register under Criterion A for agricultural significance and Criterion C for architecture as an intact local example of a connected mid-nineteenth-century New England farmstead. Constructed ca. 1860, the connected farmstead is an architectural form distinct to New England that relied on the connection of a larger house, a small house, and agricultural barns through direct additions and a series of ells. The continuous form represented a practical use for protection from the elements, as well a symbolic function of the progression of agricultural improvement (Hubka 1984). Positioned on the east and west sides of Hilton Hill Road, the current configuration consists of a two-and-one-half-story Greek Revival house connected to two, one-story house additions on the east façade, both constructed in a local wood-framed vernacular style. A storage/dairy barn is connected to the eastern façade of the small addition, completing the connected complex. The connected residential complex is located on the east side of Hilton Hill Road while several vernacular style agricultural barns are located on the west side of the road. Located in a primarily rural and undeveloped setting and maintaining its historic rural viewshed, the farmstead retains its historic agriculture landscape, including open pastureland to the north, south, and west of the connected structure. Minor material alterations to the connected residential structure and barn complex include replacement roofing and windows. However, the farmstead retains a high degree of architectural integrity and spatial arrangement, including its agricultural setting with intact pastureland, as well as the setting of the connected structure closer to the road edge, as would have been common with this type of building construction (Hubka 1984). The property retains integrity of setting, location, design, feeling, and association, and is an example of a local resource useful for interpreting the development of agrarian society in Maine.

The E. Gray Farm (ID-1027), located at 1294 Hilton Hill Road in Anson, is likely eligible for listing in the National Register under Criterion A for agricultural significance. Positioned on the west side of Hilton Hill/Starks Road, the farmstead consists of 12 separate structures, including a primary house, garage, two dairy barns, two milk houses, shed, original house, stable, storage barn, hay barn, chicken house, and modern chicken coop. The primary residential structure is closest to Hilton Hill Road, and the remaining agricultural structures are located to the west and north. The main residence is of vernacular construction with Cape Cod styling influence and includes additions to the south and west façades, creating an L-shaped plan. Minor material alterations include replacement exterior cladding and windows. The farmstead is primarily a mixed use of livestock and crops and features pasture and crop lands that extend to the north, south, and west of the farmstead buildings. The farmstead retains a high degree of

architectural integrity and spatial arrangement, including its agricultural setting with intact pastureland for livestock grazing and hay production. The E. Gray Farm is a locally important example of an intact farmstead that retains its historic agricultural landscape setting and function representative of mid- to late nineteenth-century agricultural development in Somerset County.

The farmstead **(ID-1509)** at 291 Durham Road includes a farmhouse located south of Durham Road **(ID-291)** and three detached barns **(ID-292, ID-293, and ID-294)**. The farmhouse, constructed ca. 1880, is a two-story vernacular building with five bays on its primary, southeast-facing façade. The building's side gable roof is clad with asphalt shingles and features a brick chimney located on its central ridge. The exterior walls are clad with clapboard siding and include an attached partial-width porch on the primary façade. Windows on the building's first floor are wood one-over-one, double-hung sashes without ornamentation. Windows on the building's second floor are wood six-over-six, double-hung sashes without ornamentation. A small side addition is located on the building's southwest-facing façade. Three detached clapboard siding-clad barns are located southwest of the ca. 1880 farmhouse. The barns present on the farmstead facilitated livery and farming of the site. The farmstead is potentially eligible under Criterion C at the local level as an intact example of late nineteenth-century agricultural architecture in Durham, Maine. The buildings appear minimally altered. The farmstead appears to retain integrity of location, design, setting, materials, workmanship, feeling, and association.

The farmstead **(ID-1510)** at 31 Auburn Pownal Road includes a farmhouse located west of Auburn Pownal Road **(ID-299)** and two detached barns **(ID-300 and ID-301)**. The farmhouse, constructed ca. 1880, is a one-story vernacular building with five bays on its primary, north-facing façade. The building's side gable roof is clad with metal sheeting and features a brick chimney located on its interior slope. The exterior walls are clad with clapboard siding. Two detached clapboard siding-clad barns are located to the west of the ca. 1880 farmhouse. The farmstead is potentially eligible under Criterion C at the local level as an intact example of late nineteenth-century agricultural architecture in Durham, Maine. The buildings appear minimally altered. The farmstead appears to retain integrity of location, design, setting, materials, workmanship, feeling, and association.

The farmstead **(ID-1511)** at 102 North Mountain Road includes a farmhouse located east of North Mountain Road **(ID-617)**, one connected barn **(ID-618)**, one detached wagon shed **(ID-619)**, one detached barn **(ID-620)**, and one garage **(ID-621)**. The farmhouse, constructed ca. 1830 to 1850, is a two-story vernacular building with five bays on its primary, northwest-facing façade. The building's side gable roof is clad with metal and features a brick chimney located on its central ridge. The exterior walls are clad with clapboard siding. A connected barn is located on the farmhouse's northwest-facing façade. The wagon shed, detached barn, and garage are located southeast of the ca. 1830 to 1850 farmhouse. The farmstead is potentially eligible under Criterion C at the local level as an intact example of mid-nineteenth-century agricultural architecture in Greene, Maine. The buildings appear minimally altered. The farmhouse, connected barn, wagon shed, and detached barn appear to retain integrity of

location, design, setting, materials, workmanship, feeling, and association. The garage appears to retain integrity of location, setting, feeling, and association. It appears to be in poor condition and does not retain integrity of design, materials, or workmanship.

The farmstead **(ID-1512)** at 534 Fish Street includes a farmhouse located east of Fish Street **(ID-656)**, one connected barn **(ID-657)**, and one poultry barn **(ID-658)**. The farmhouse, constructed ca. 1810 to 1830, is a one-story vernacular building with three bays on its primary, west-facing façade. The building's side gable roof is clad with asphalt shingles and features a brick chimney located on its central ridge. The exterior walls are clad with clapboard siding. Windows on the building's primary façade are six-over-six, double-hung sashes without ornamentation. Windows on the building's south-facing façade are wood eight-over-eight, double-hung sashes without ornamentation. A connected barn is located on the farmhouse's southwest-facing façade and is clad with clapboard siding. The poultry barn is located north of the farmhouse. The farmstead is potentially eligible under Criterion C at the local level of significance as an intact example of early to mid-nineteenth-century agricultural architecture in Leeds, Maine. The buildings appear minimally altered. The farmhouse, connected barn, and poultry barn appear to retain integrity of location, design, setting, materials, workmanship, feeling, and association.

The Fairview Farm (ID-1513) at 530 Fish Street includes a farmhouse **(ID-659)** and a connected dairy barn **(ID-660)** east of Fish Street. The farmhouse, constructed ca. 1820 to 1860, is a two-story vernacular building with five bays on its primary, west-facing façade. The building's side gable roof is clad with asphalt shingles and features a brick chimney on its interior slope. The exterior walls are clad with clapboard siding. A two-story dairy barn constructed ca. 1890 is located on the farmhouse's east-facing façade. The farmstead is potentially eligible under Criterion C at the local level of significance as an intact example of early to mid-nineteenth-century agricultural architecture in Leeds, Maine. The buildings appear minimally altered. The farmhouse and connected dairy barn appear to retain integrity of location, design, materials, workmanship, feeling, and association. The farmstead also retains its integrity of setting and is located in an area historically known as Fairview Hill (US Geological Survey [USGS] 1912).

The farmstead **(ID-1514)** at 129 Fish Street includes a farmhouse located west of Fish Street **(ID-665)** and one detached barn **(ID-666)**. The farmhouse, constructed ca. 1780 to 1820, is a two-story Federal style double pile building with five bays on its primary, east-facing façade. The building's side gable roof is clad with asphalt shingles and features brick chimneys at both ends of its ridge. The building's exterior walls are clad with clapboard siding. A one-and-one-half-story barn, constructed ca. 1820 to 1860, is located west of the farmhouse. The barn is constructed of sawn heavy timber, and its exterior walls are clad with wood shingles. The farmstead is potentially eligible under Criterion C at the local level of significance as an intact example of early to mid-nineteenth-century agricultural architecture in Leeds, Maine. The buildings appear minimally altered. The farmhouse and detached barn appear to retain integrity of location, design, setting, materials, workmanship, feeling, and association.

The **Souther Family Farm (ID-1515)** at 58 Souther Road includes a farmhouse located west of Souther Road **(ID-788)**, five one-story detached barns **(ID-89, ID-790, ID-791, ID-792, and ID-793)**, and one two-story detached barn **(ID-794)**. The farmhouse, constructed ca. 1860 to 1870 and located north of Redwater Brook, is a one-story vernacular hall and parlor building with five bays on its primary, east-facing façade. The building's side gable roof is clad in metal sheeting and features brick chimneys at both ends of its interior slope. A one-story addition is located on its north-facing façade. The building is clad with vinyl siding. The six barns on the farmstead were constructed ca. 1870 to 1880 and surround the farmhouse on the parcel. The exterior walls of one barn **(ID-792)** are clad with wood shingles, while the exterior walls of the other barns are clad with clapboard siding. The farmstead is potentially eligible under Criterion C at the local level of significance as an intact example of mid to late-nineteenth-century agricultural architecture in Livermore Falls, Maine. The buildings appear minimally altered. The farmhouse and six detached barns appear to retain integrity of location, design, materials, workmanship, feeling, and association.

The Henry Hardy Farm (ID-1517) at 360 Weeks Mills Road includes a one-and-one-half-story farmhouse **(ID-979)** constructed ca. 1880 to 1890; a two-story connected dairy barn **(ID-980)** constructed ca. 1940 to 1960; a one-and-one-half-story detached dairy barn **(ID-981)** constructed ca. 1880 to 1890; a one-story connected dairy barn **(ID-982)** constructed ca. 1940 to 1960; a one-and-one-half-story detached storage building **(ID-983)** constructed ca. 1900 to 1960; and a one-story detached garage **(ID-984)** constructed ca. 1920 to 1940. The Henry Hardy Farm was determined NRHP-eligible in 2015 and is located south of Weeks Mills Road. The farmstead appears to retain integrity of location, design, materials, workmanship, feeling, and association.

The Bailey Hill Dairy Farm (ID-1518) at 639 Bailey Hill Road includes a farmhouse located south of Bailey Hill Road **(ID-976)** and a two-story detached barn **(ID-977)** constructed ca. 1940 to 1950. The farmhouse is a one-story Greek Revival building, constructed ca. 1790 to 1820, with three bays on its primary, north-facing façade. The building's cross gable roof is clad with asphalt shingles and features a brick chimney on its interior slope. The exterior walls are clad with clapboard siding. The building's windows are wood two-over-two, double-hung sashes without ornamentation. The barn's exterior walls are clad in vinyl and vertical board siding. The arched roof is clad with metal, and a large addition is located on the building's east-facing façade. The farmstead is potentially eligible under Criterion C at the local level of significance as an intact example of late eighteenth- to mid-twentieth-century agricultural architecture in Farmington, Maine. The farmhouse and detached barn appear to retain integrity of location, design, setting, materials, workmanship, feeling, and association.

The Fred Hardy Farm (ID-1519), located at 879 Weeks Mills Road, is likely eligible for National Register listing under Criterion A in the area of agriculture. Positioned on the north side of Weeks Mills Road, the farmstead contains three historic structures, including a residential structure constructed in a vernacular tradition with Greek revival detailing at the southern end of the property and two dairy barns located to the north and northwest of the residence. Three additional non-historic structures located to the north complete the farmstead. Constructed in

the early to mid-nineteenth century and purchased by the Hardy family in 1960, the farmstead retains its undeveloped, rural setting, maintaining a majority of its agricultural fields and its historic agricultural use as a dairy farm, a prevalent industry in the development of southern Franklin County (*Sun Journal* 2015). Several material alterations to the barns and residential structure include replacement roofing and windows. However, the farmstead retains a high degree of architectural integrity and spatial arrangement, including its agricultural setting with intact pastureland for livestock grazing and hay production. The Fred Hardy Farm is a locally important example of an intact dairy farmstead that retains its historic agricultural landscape setting and function representative of early to mid-nineteenth-century agricultural development in Franklin County.

Maple Tree Farm (ID-1523), located at 185 Pittston Road and constructed between 1820 and 1900, is likely eligible for listing in the National Register under Criterion A in the area of agriculture and Criterion C for architecture as an intact local example of a connected early nineteenth-century farmstead. The connected farmstead is an architectural form distinct to New England that relied on the connection of a larger house, a small house, and agricultural barns through direct additions and a series of ells. The continuous form represented both a practical use for protection from the elements, as well a symbolic function of the progression of agricultural improvement (Hubka 1984). Located north of Pittston Road, the current configuration consists of a one-and-one-half-story house to the west, connected to a smaller one-story house to the east. Both were constructed in a vernacular style with Greek Revival elements and are connected via a series of ells to a barn at the eastern edge of the property. The farmstead retains its historic agriculture landscape, including open pasture and cropland to the west of the connected structure. Several material alterations to the connected residential structure and barn complex include replacement roofing and windows. However, the farmstead retains a high degree of architectural integrity and spatial arrangement, including its agricultural setting with intact pastureland, as well as the setting of the connected structure closer to the road edge, as would have been common with this type of building construction (Hubka 1984). The property retains integrity of setting, location, design, feeling, and association, and is an example of a local resource useful for interpreting the development of agrarian society in New England.

The farmstead **(ID-1524)**, located at 414 Farmington Falls Road, is likely eligible for listing in the National Register under Criterion A in the area of agriculture and Criterion C for architecture as an intact local example of a connected early nineteenth-century farmstead. Constructed between 1830 and 1900, the connected farmstead is an architectural form distinct to New England that relied on the connection of a larger house, a small house, and agricultural barns through direct additions and a series of ells. The continuous form represented a practical use for protection from the elements, as well a symbolic function of the progression of agricultural improvement (Hubka 1984). Positioned on the northeast side of Farmington Falls Road, the current configuration consists of a one-and-one-half-story house connected to a one-story house to the northeast façade, both constructed in a local wood-framed vernacular tradition. A storage and a dairy barn are connected to the northeastern façade of the smaller house, completing the connected complex. An unattached vernacular residence is located to the

north. The farmstead retains its historic agriculture landscape, including open pastureland to the northeast of the connected structure. Minor material alterations to the connected residential structure and barn complex include replacement roofing and windows. However, the farmstead retains a high degree of architectural integrity and spatial arrangement, including its agricultural setting with intact pastureland, as well as the setting of the connected structure closer to the road edge, as would have been common with this type of building construction (Hubka 1984). The property retains integrity of setting, location, design, feeling, and association, and is an example of a local resource useful for interpreting the development of agrarian society in New England.

Historic Districts

The **Lake Moxie/Troutdale/Baker's Station Historic District**, located on Lake Moxie/Troutdale Road in the Forks Plantation area of central Somerset County, is likely eligible for NRHP listing under Criterion A for community planning and development and recreation. The potential historic district includes the Lake Moxie Camp, a former hotel, the Baker and Troutville Railroad stations, and several private camp residences. The northernmost boundary for the district begins near the Lake Moxie Dam. Traveling south along Lake Moxie Road, the district includes Lake Moxie Camp and has the Baker's Station area as its southern boundary. The east and west boundaries are delineated by the property lines adjacent to the west side of Lake Moxie Road and the boundary of Lake Moxie to the east.

The Troutville area on the northern edge of the district includes the former Moxie Hotel (a two-and-one-half-story Victorian structure), several private residences, and the Moxie Dam. Further to the south, the area developed as the Lake Moxie Camp is representative of early twentieth-century traditional Maine sporting camps. Spurred on by the expansion of the numerous railroad lines, including Somerset Railroad, which expanded development northward into Maine and carried passengers north from Boston, sporting camps sprang up along the shores of many lakes and rivers. Beginning with construction in 1860, the Somerset Railroad included stops at the Baker and Troutville stations, which brought passengers to the Lake Moxie area (MacDougall 2000). However, while the rail line has since been removed and the stations have been converted into private residences, the area is still representative of early twentieth-century community development in rural Maine.

Camps, such as the one at Lake Moxie, provided recreational activities and drew upon popular Victorian ideals of pastoral imagery and an escape from industrialized society (Marx 1964). Sporting camps were popular with vacationers and those seeking relief from the summer heat. During their heyday in the early twentieth century, developers constructed nearly 300 summer camps; however, by the end of the twentieth century, only 74 camps remained (Arlen 2018). Several cabins that make up the Lake Moxie complex date to the 1920s, with additional cabins constructed in the 1960s. The cabins are situated on the east side of Troutdale Road, facing Lake Moxie. Community buildings, including a dining hall, kitchen, and store, are located along the northern edge of the property, with camper's cabins located to the southeast.

At the southern boundary of the district, the Baker's Station area includes a station by the Maine Central Railroad Company in 1917 and several late nineteenth- to early twentieth-century frame vernacular buildings (Maine Central Railroad 1917). The Baker's Station area to the south consists primarily of one-and-one-half story vernacular houses with Folk Victorian detailing in the eaves. The resources generally have stone foundations and gable roofs clad in asphalt shingles or metal roofing, and exterior fabrics are generally weatherboard. The buildings often feature interior brick chimneys and double-hung-sash windows. Minor material alterations to the structures within the district include replacement roofing and windows. However, the district generally retains integrity of setting, location, design, feeling, and association, and is an example of a local resource useful for interpreting the development of recreational society coupled with northward expansion in northern New England.

The Bingham Village Historic District has not been surveyed as a historic district, but the majority of the resources within the downtown area of Bingham have previously been surveyed and determined by MHPC to be NRHP eligible. Field survey by SEARCH in 2018 suggests that preliminary district boundaries may include the Kennebec River to the north and west, Wing Street to the south, and the terminus of Owens Street to the east. The district is comprised of nineteenth- to early twentieth-century residential areas that radiate from the Main Street. Main Street features commercial and municipal buildings dating from the late nineteenth to early twentieth centuries. The western edge of the district along the Kennebec River features a former paper mill, which provided the economic growth of the town at the turn of the twentieth century. The mill currently stands vacant.

The district embodies the characteristics and feel of a nineteenth-century industrial village. Many buildings within the district retain a high degree of architectural integrity, and as whole, very little modern intrusions are visible. The village is likely historically significant under Criterion A for its commercial and industrial role in the development of Bingham in the late nineteenth/early twentieth centuries, and many buildings have already been determined to be architecturally significant.

The St. Denis Historic District includes the NRHP-listed St. Denis Church and associated rectory, parish center, churchyard cemetery, and Calvary Cemetery. The historic district is likely eligible under Criterion A: Settlement, Social History, and Religion for associations with settlement in Whitefield, Irish immigration, and spread of Catholicism; the churchyard burial ground contains the remains of the earliest settlers in area (Criterion B: Person, for association with Father Dennis Ryan, instrumental in drawing Irish immigrants to the area); and C: Architecture, as an example of transitional nineteenth-century architectural styles.

North Pownal Village has not been surveyed as a historic district, but the majority of the resources within the area have been previously surveyed in 2009. MHPC has not made a determination of eligibility of these resources. Field survey by SEARCH in 2018 noted the cluster of buildings associated with the village at the intersection of Lawrence Road, Fickett Road, and Auburn Road, and proposed the district boundary extends east and west along Fickett Road and south on Auburn Road to the intersection with Poland Range Road.

The district embodies the characteristics and feel of a nineteenth-century village. The buildings include connected farmsteads, blacksmith shop, general store, the North Pownal School, Methodist Church, and fire station. The village was also the location of the Portland Cheese Factory until it burned in 1890 (MHPC Inventory #357-0007). Overall, the buildings retain a high degree of integrity, and the district does not have any visible modern intrusions. The village is likely historically significant under Criterion A for its association with the development of North Pownal, and its association with the Portland Cheese Factory in the nineteenth century. The village is also likely significant under Criterion C for architecture, as many of the buildings are excellent examples of various architectural styles from the nineteenth century, such as Greek Revival, Italianate, and vernacular.

The **Appalachian National Scenic Trail (ID-66)** is a 3,498.7-km (2,174-mi) trail that was designated as a National Scenic Trail as part of the National Trail Systems Act in 1968 (Olmstead Center for Landscape Preservation 2008:3; National Park Service [NPS] 2012). The section of the Appalachian Trail in Maine extends approximately 452.2 km (281 mi), and it bisects the direct and indirect APEs in The Forks. Other sections of the Appalachian Trail have been determined National Register eligible by the State Historic Preservation Offices (SHPOs) of Vermont, Massachusetts, and Connecticut. In 2008, the NPS' Olmstead Center for Landscape Preservation prepared a cultural landscape report for the Appalachian Trail. This report proposed that the entire trail corridor is National Register eligible under Criterion A for its association with early regional planning and further stated that sections of the trail could be eligible under other NRHP criteria. In Maine, the Appalachian Trail is likely eligible for its landscape design and association with hiking clubs (e.g., AMC), the conservation movement, and the Civilian Conservation Corps. To date, the MHPC has not made a determination of eligibility on the 452.2-km (281-mi) section of Appalachian Trail that traverses Maine. SEARCH contends that the trail retains all aspects of integrity and is significant under Criterion A for its association with outdoor recreation.

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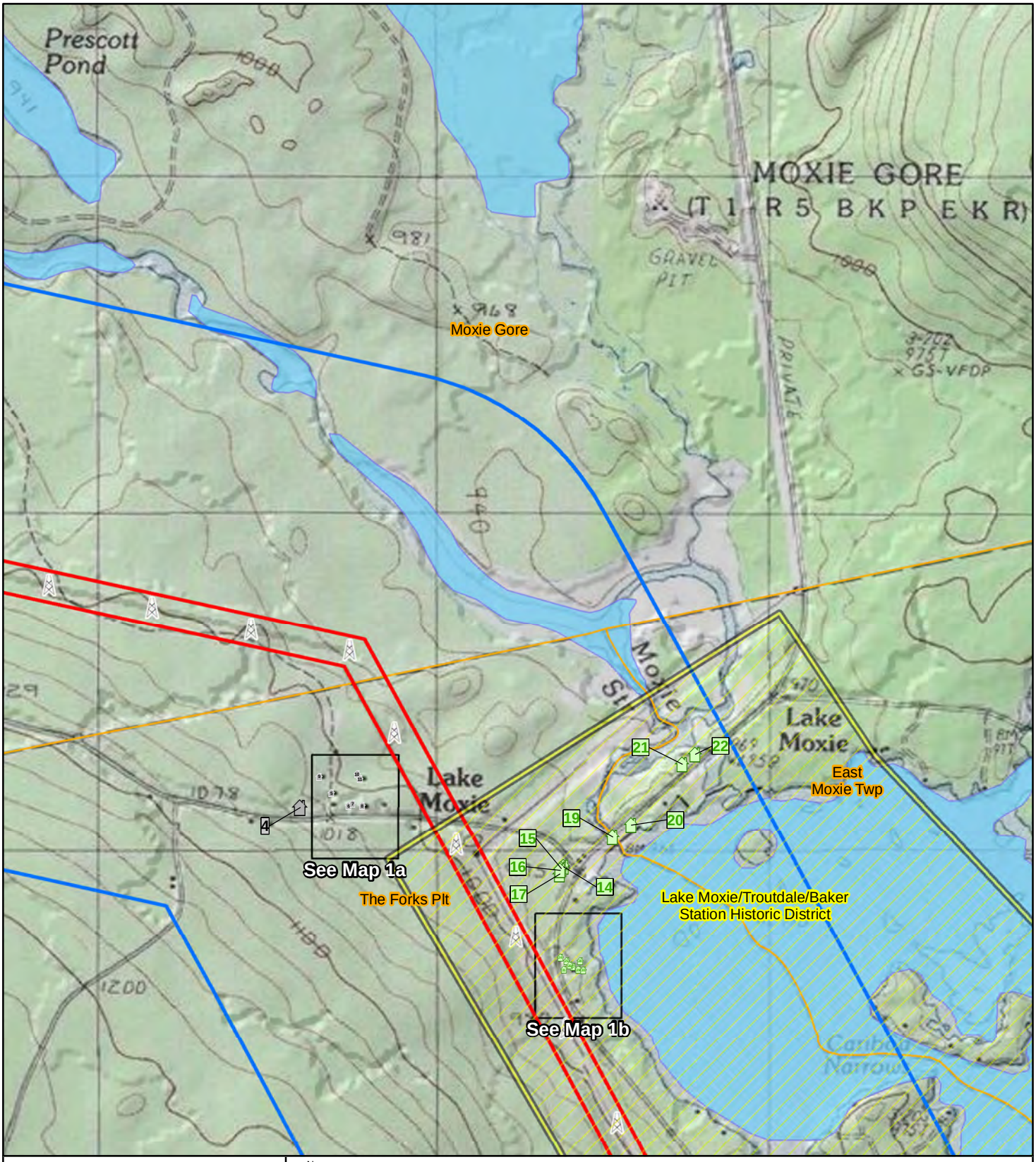
APPENDIX A

FIGURES



New England Clean Energy Connect

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Map 1 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Moxie Pond Quadrangle

Somerset County

NECEC Structure

Direct APE

Indirect APE/Survey Boundaries

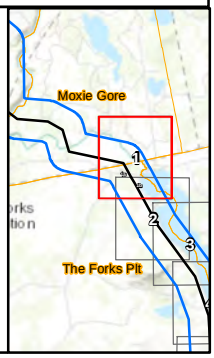
Town Boundary

Historic District

NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 1a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

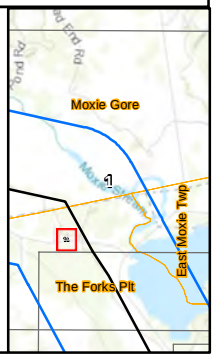
Somerset County

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 1b

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Somerset County

Direct APE

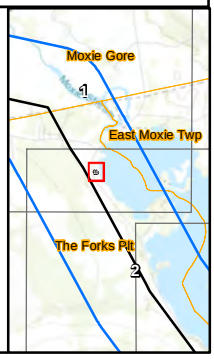
Indirect APE/Survey Boundaries

Town Boundary

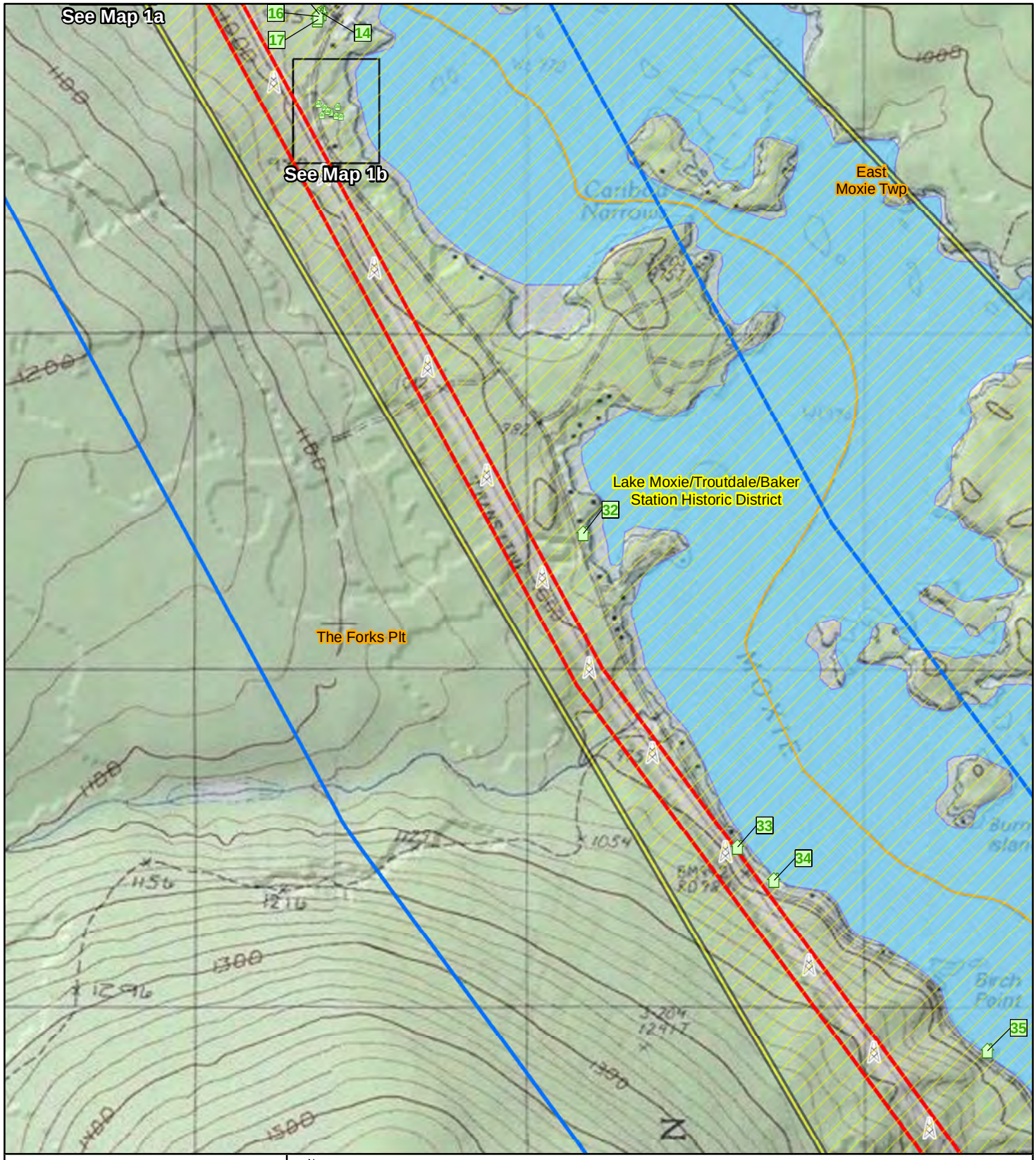
Historic District

NRHP Status/Recommendation

Potentially Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 2 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Moxie Pond Quadrangle

Somerset County

NECEC Structure

Direct APE

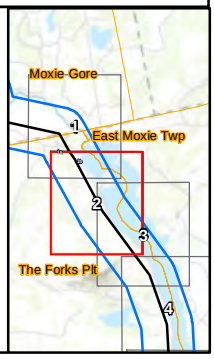
Indirect APE/Survey Boundaries

Town Boundary

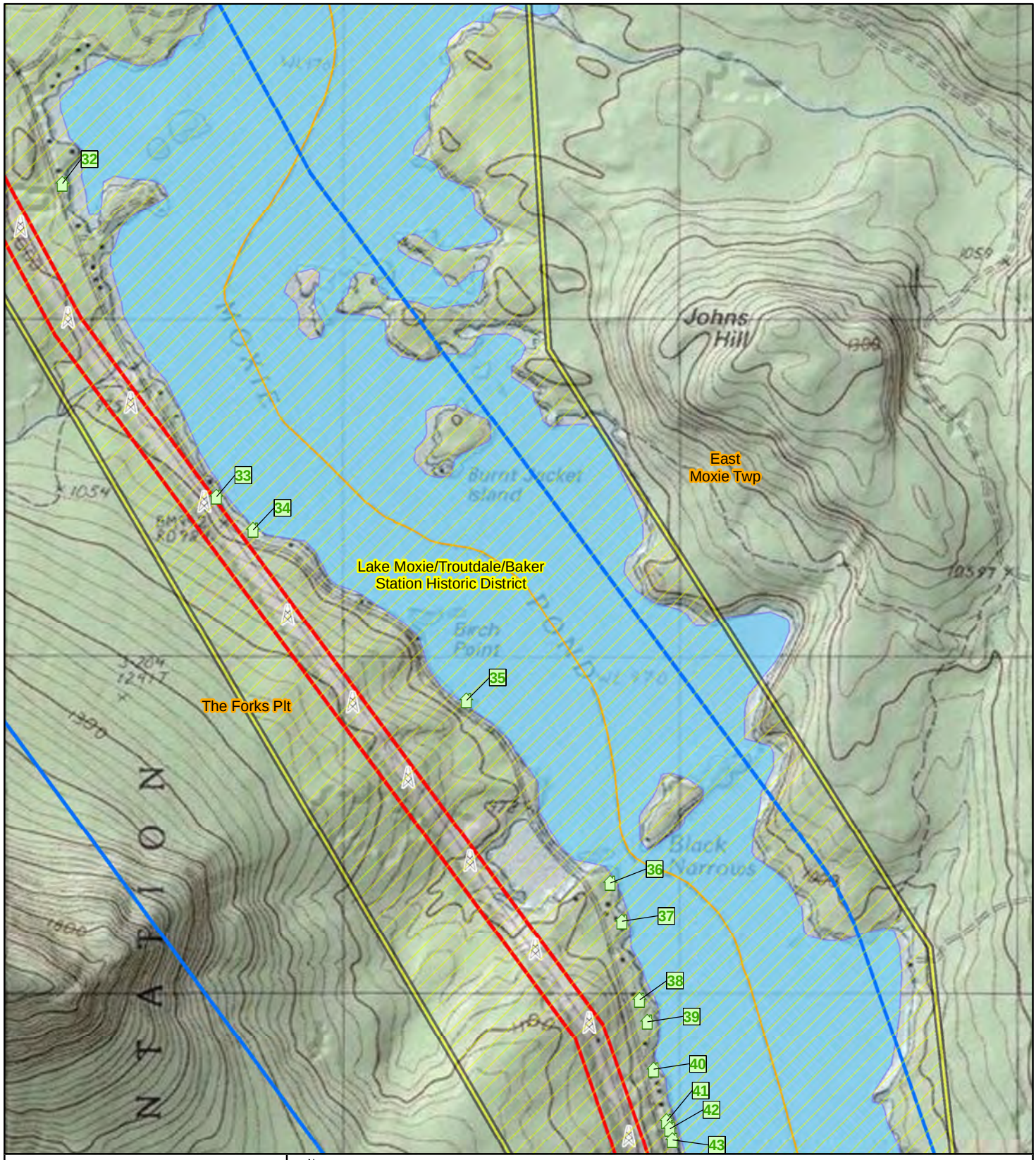
Historic District

NRHP Status/Recommendation

Potentially Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 3 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Moxie Pond Quadrangle

Somerset County

NECEC Structure

Direct APE

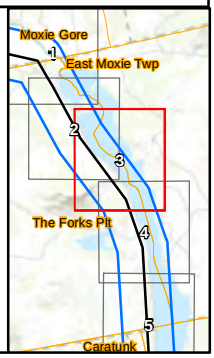
Indirect APE/Survey Boundaries

Town Boundary

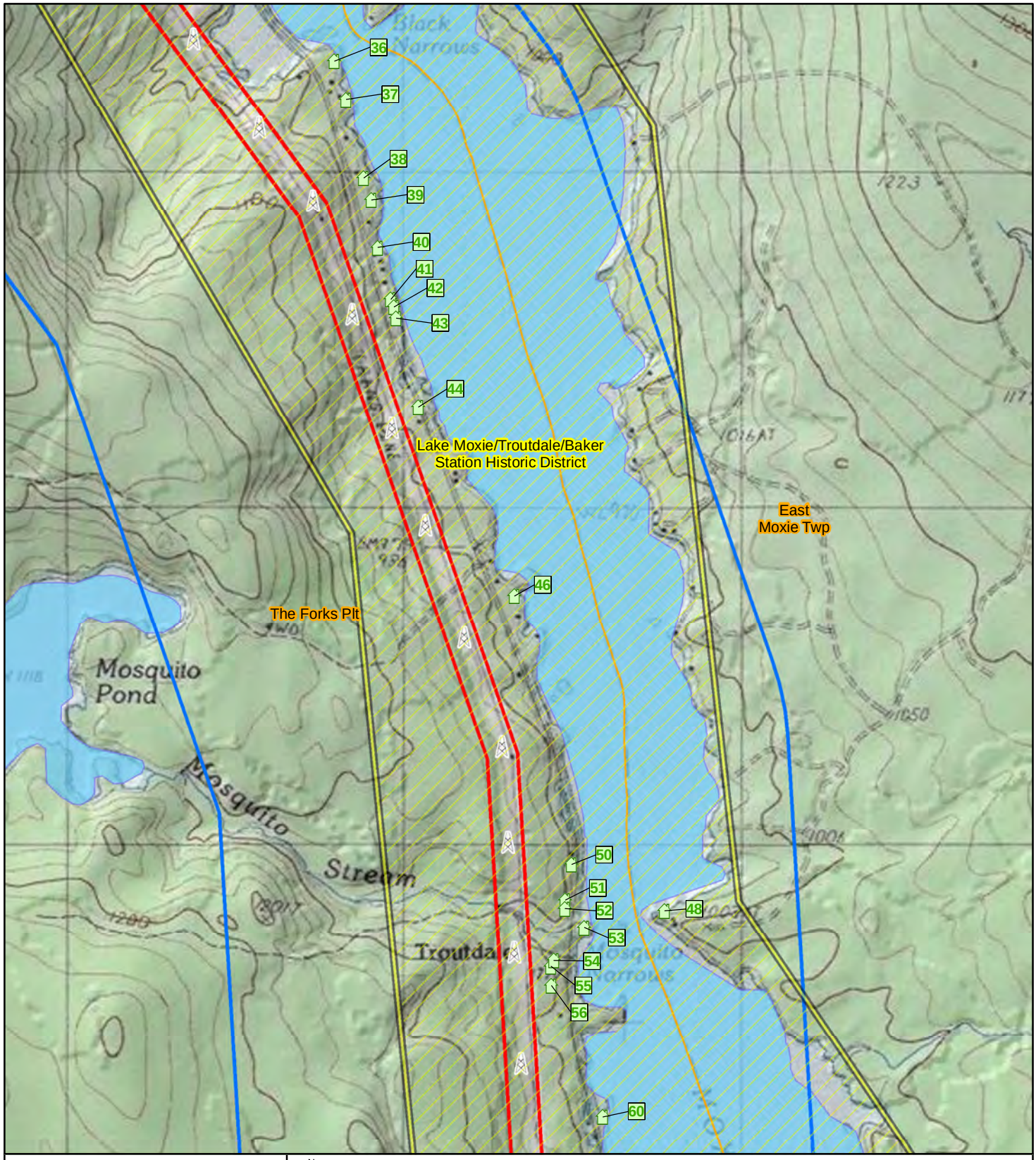
Historic District

NRHP Status/Recommendation

Potentially Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 4 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Moxie Pond Quadrangle

Somerset County

NECEC Structure

Direct APE

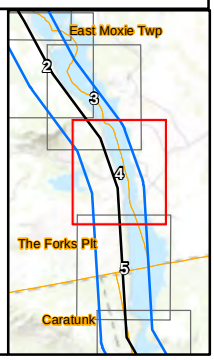
Indirect APE/Survey Boundaries

Town Boundary

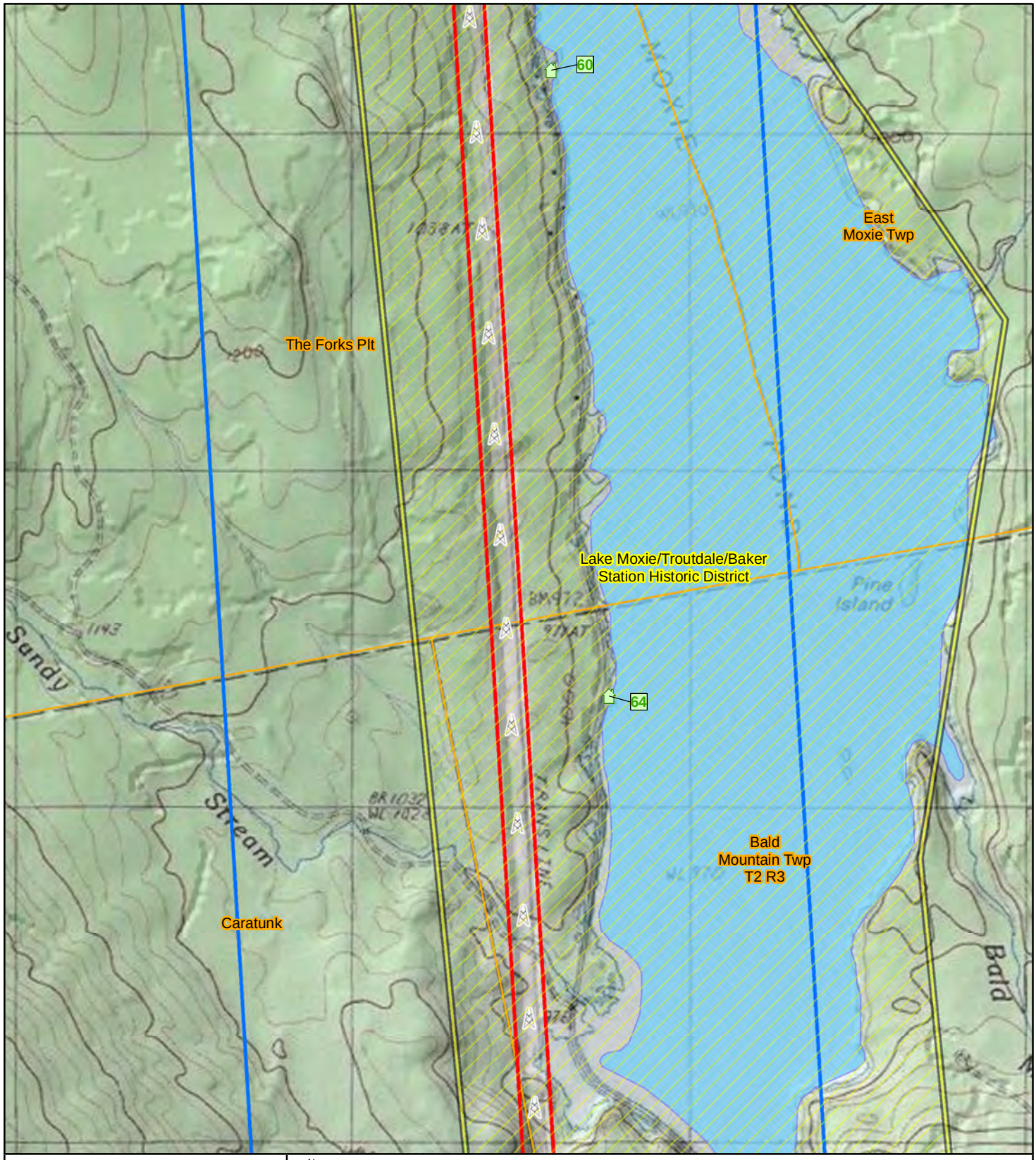
Historic District

NRHP Status/Recommendation

Potentially Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 5 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Moxie Pond Quadrangle

Somerset County

NECEC Structure

Direct APE

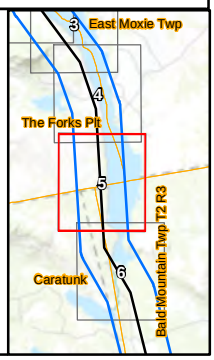
Indirect APE/Survey Boundaries

Town Boundary

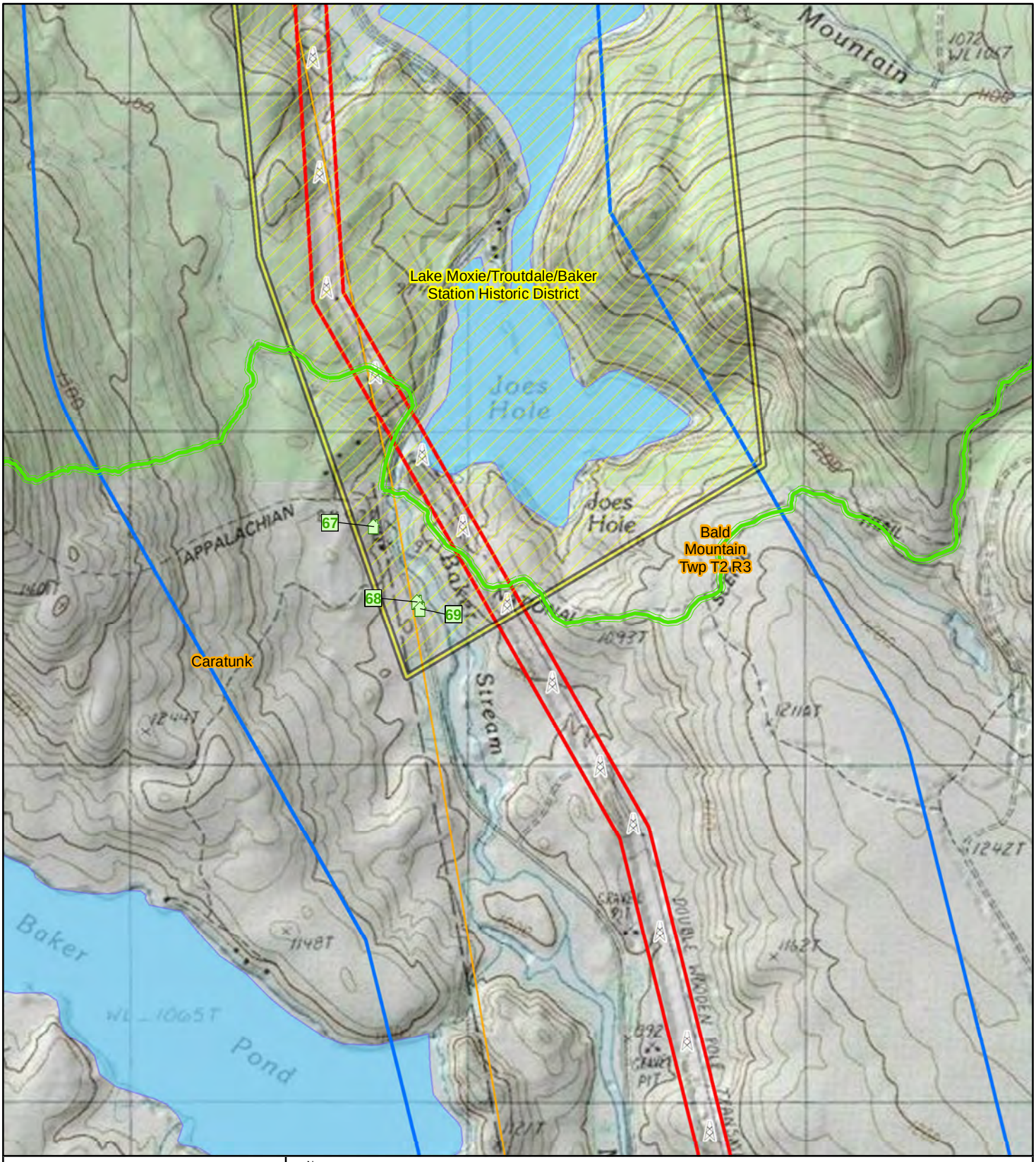
Historic District

NRHP Status/Recommendation

Potentially Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 6 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Dimmick Mountain Quadrangle

Somerset County

NECEC Structure

Direct APE

Indirect APE/Survey Boundaries

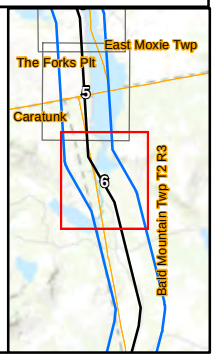
Town Boundary

Historic District

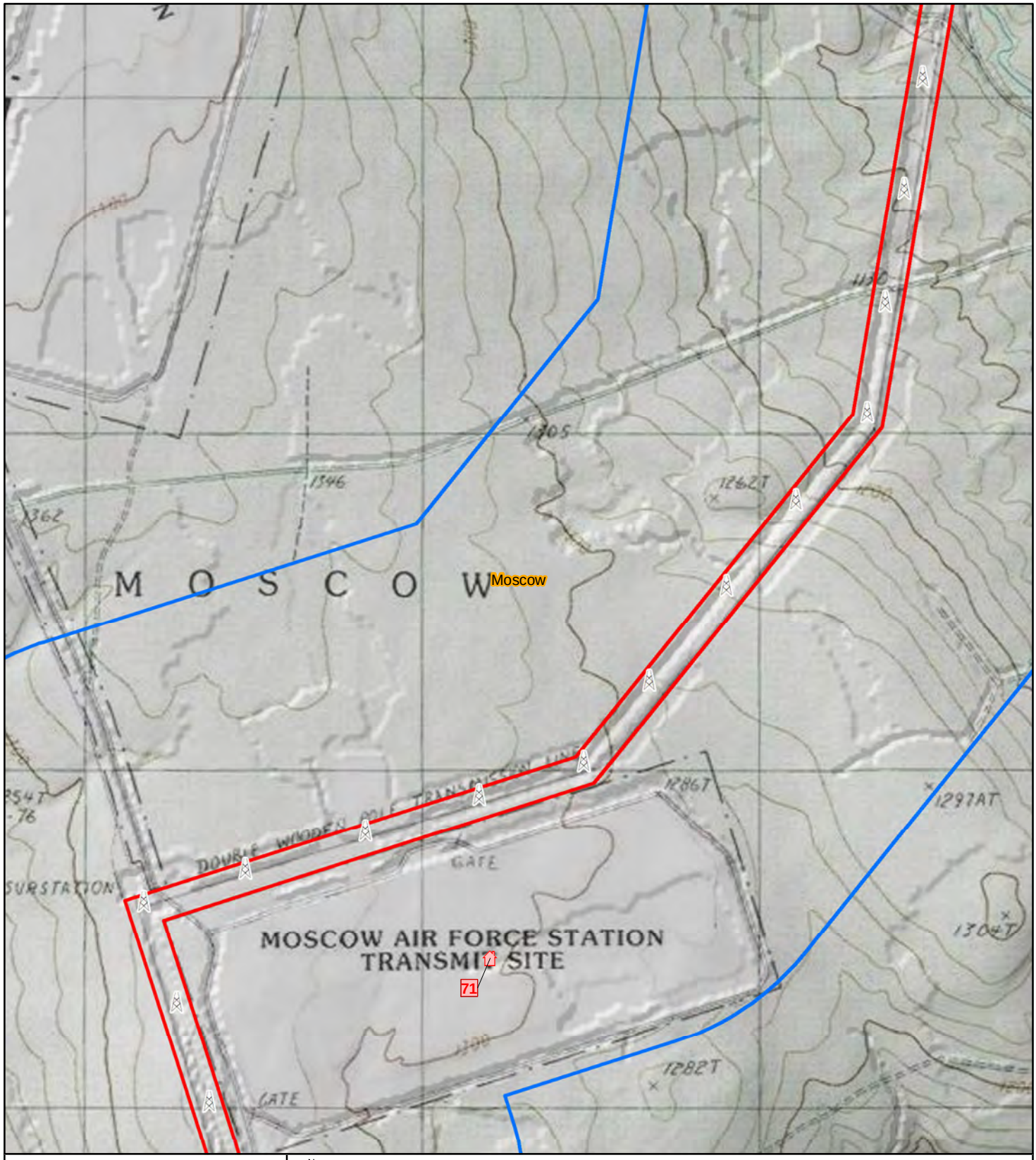
NRHP Status/Recommendation

Potentially Eligible

Appalachian National Scenic Trail



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 7 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Dimmick Mountain Quadrangle

Somerset County

NECEC Structure

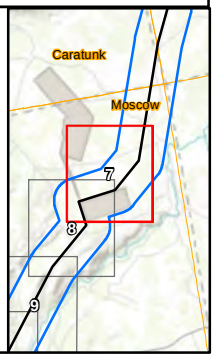
Direct APE

Indirect APE/Survey Boundaries

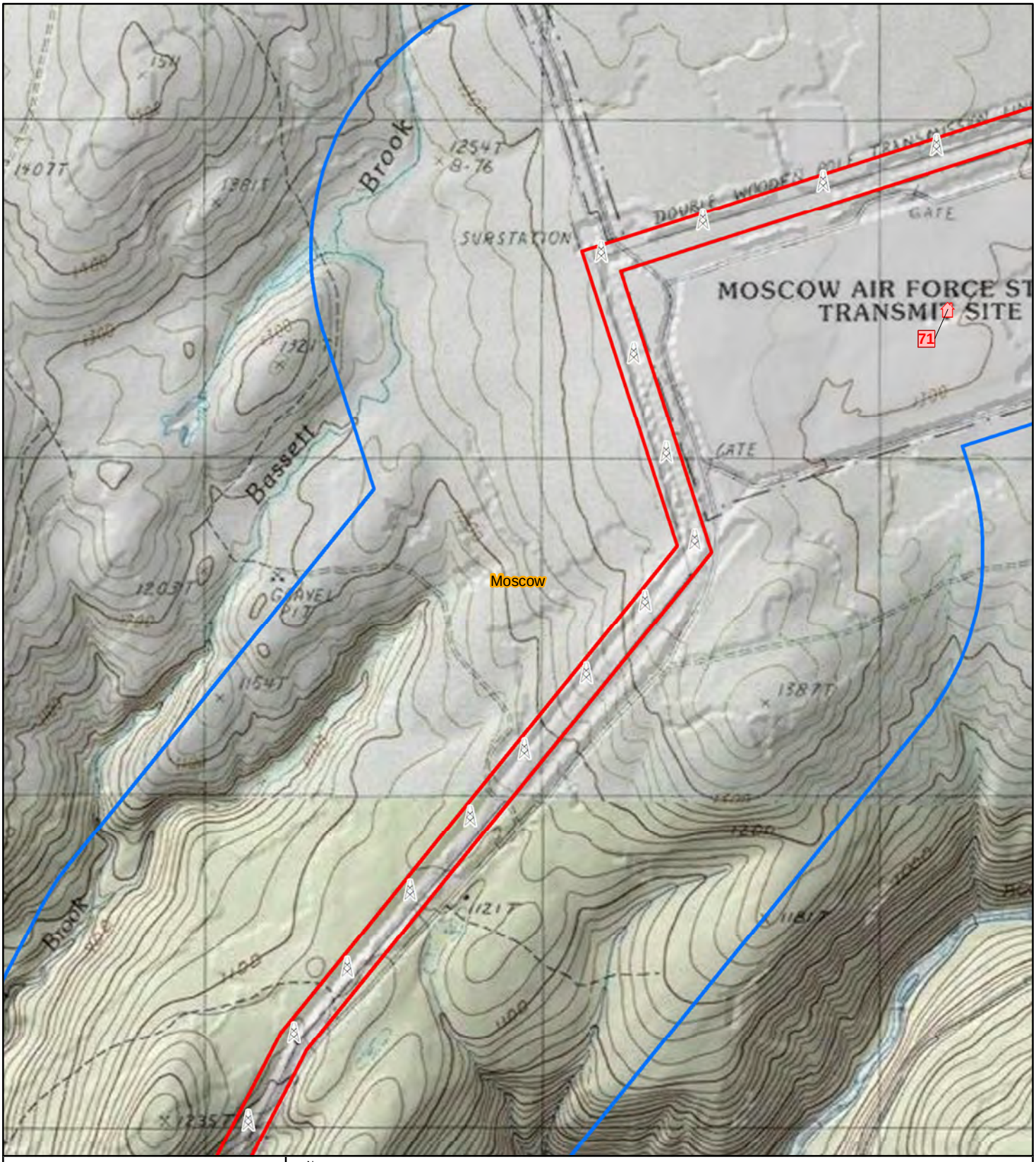
Town Boundary

NRHP Status/Recommendation

Listed/Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 8 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Mahoney Hill Quadrangle

Somerset County

NECEC Structure

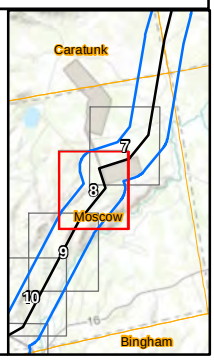
Direct APE

Indirect APE/Survey Boundaries

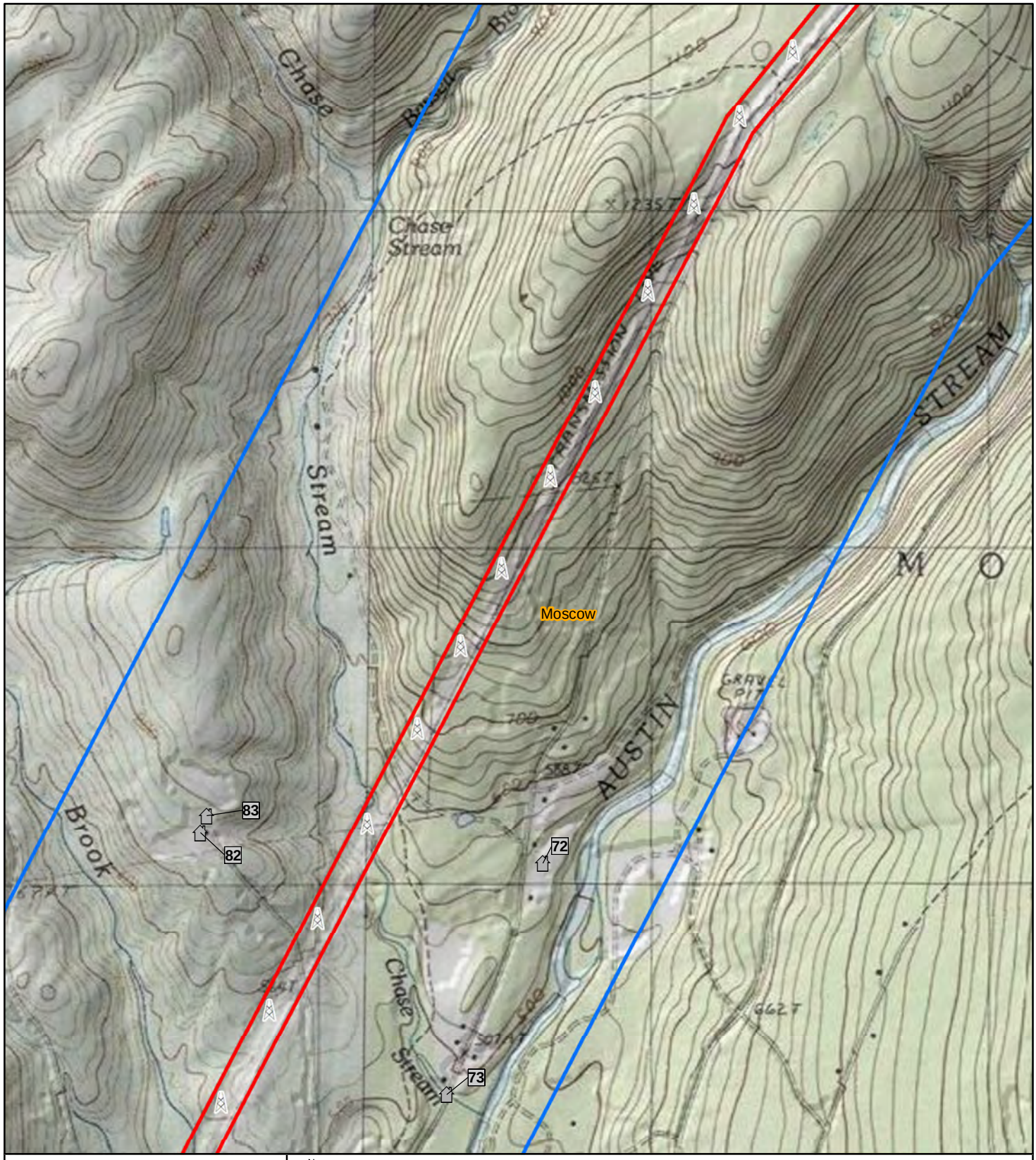
Town Boundary

NRHP Status/Recommendation

Listed/Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 9 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Mahoney Hill Quadrangle

Somerset County

NECEC Structure

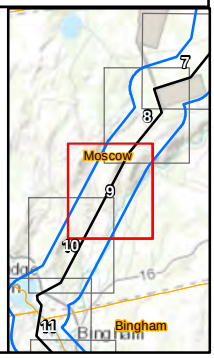
Direct APE

Indirect APE/Survey Boundaries

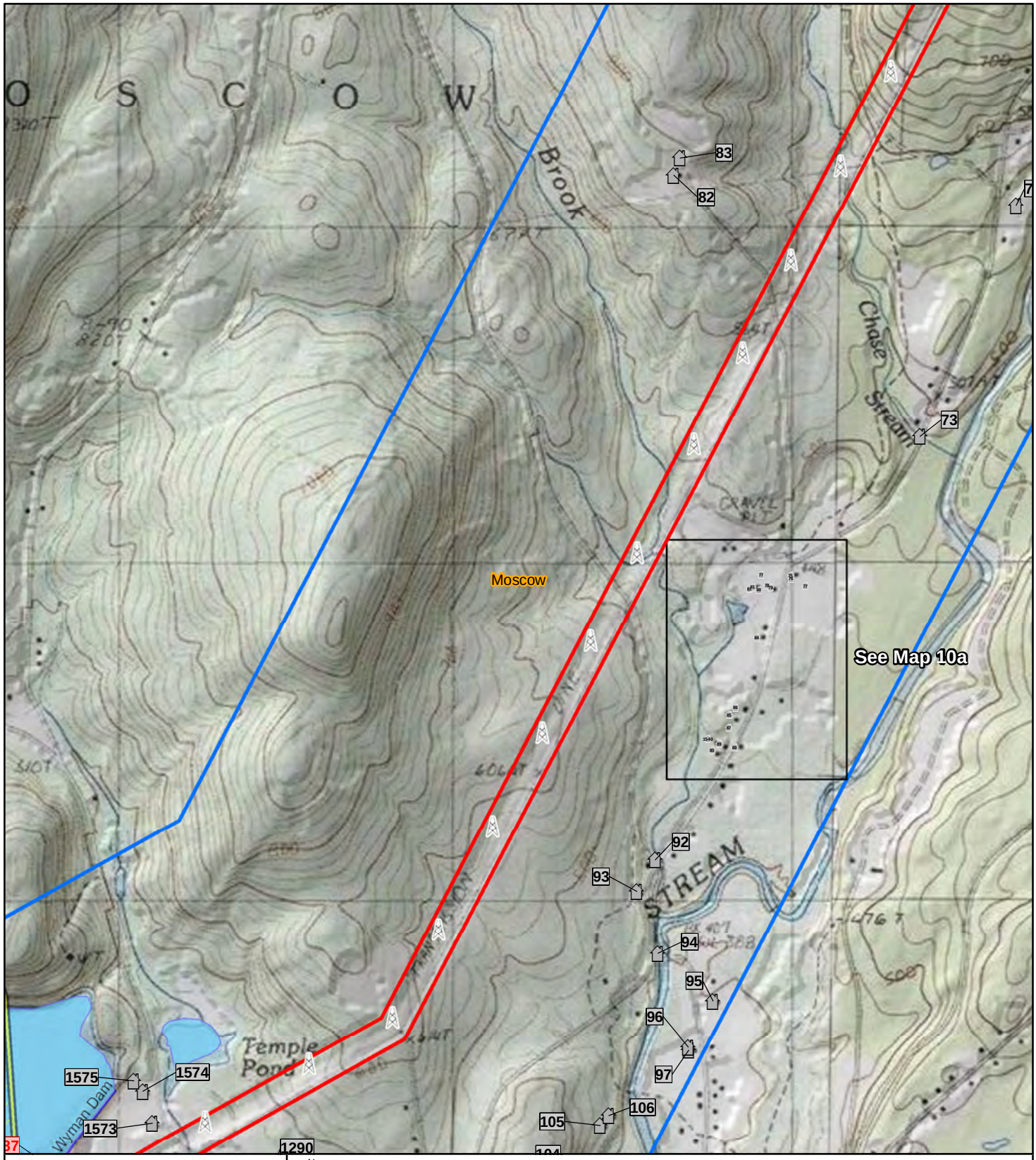
Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 10 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Mahoney Hill Quadrangle

Somerset County

NECEC Structure

Direct APE

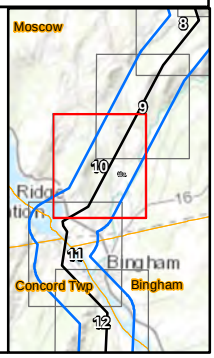
Indirect APE/Survey Boundaries

Town Boundary

Historic District

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:3,200

60 30 0 60 Meters

Map 10a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Somerset County

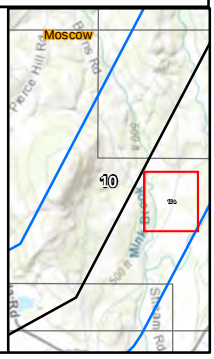
Direct APE

Indirect APE/Survey Boundaries

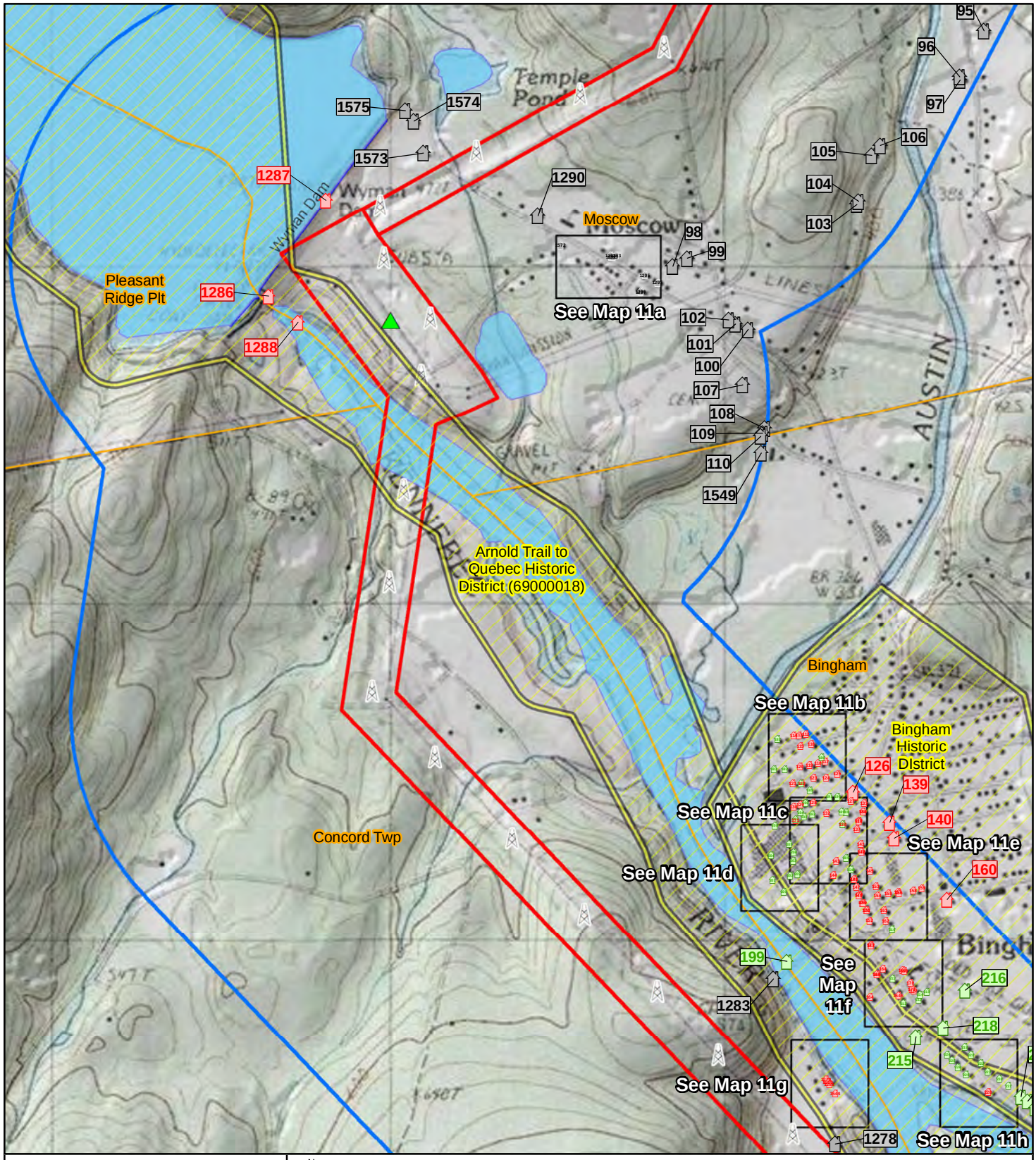
Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 11 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Bingham Quadrangle

Somerset County

NECEC Structure

Existing Substation

Direct APE

Indirect APE/Survey Boundaries

Town Boundary

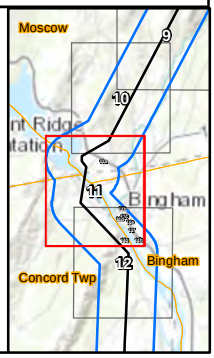
Historic District

NRHP Status/Recommendation

Listed/Eligible

Potentially Eligible

Not Eligible



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,600

30 15 0 30 Meters

Map 11a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

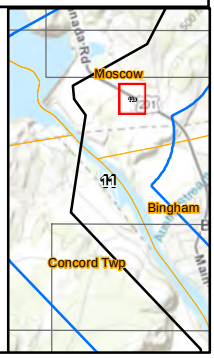
Somerset County

Indirect APE/Survey Boundaries

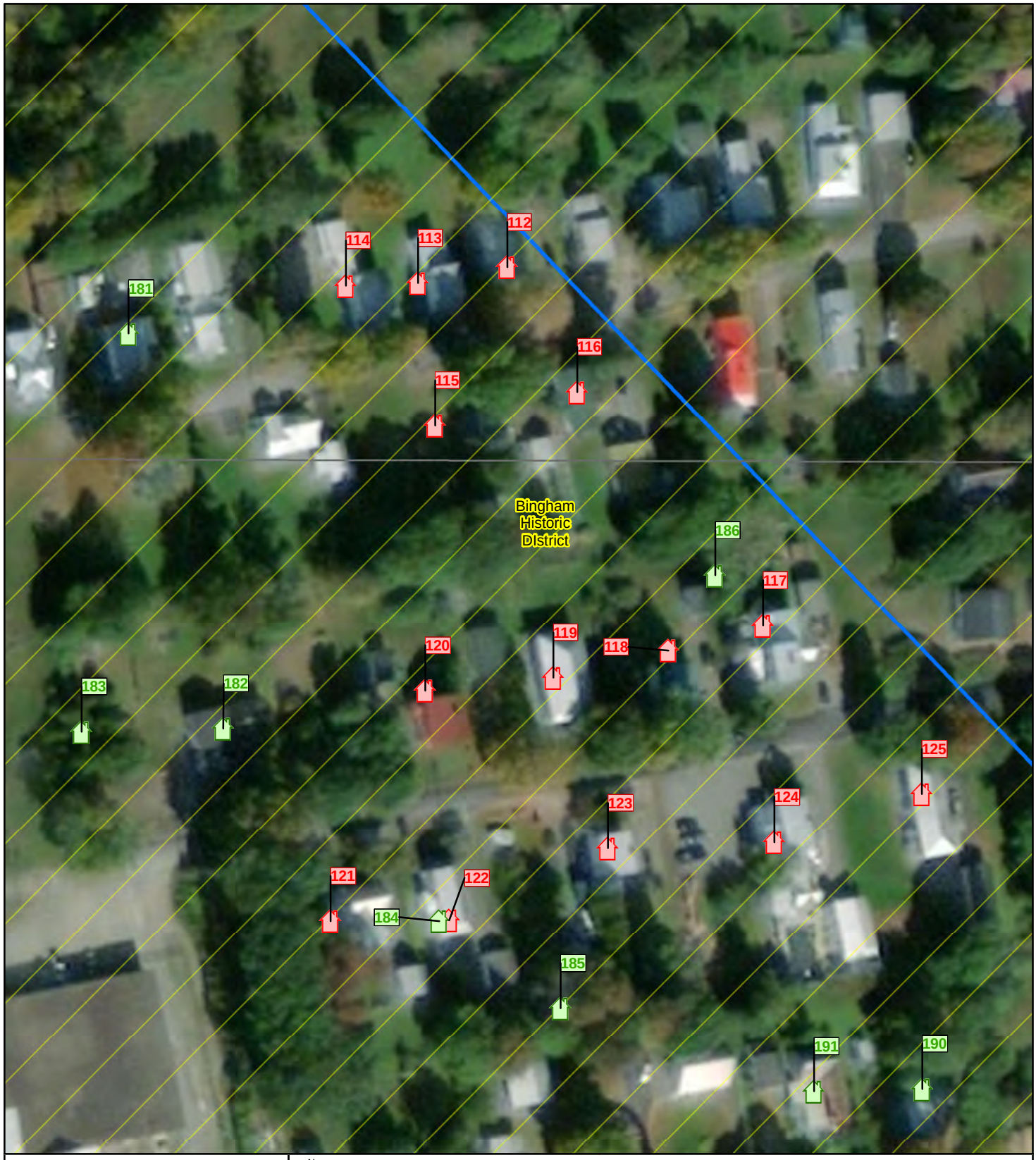
Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 11b

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Somerset County

Indirect APE/Survey Boundaries

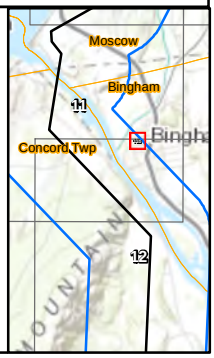
Town Boundary

Historic District

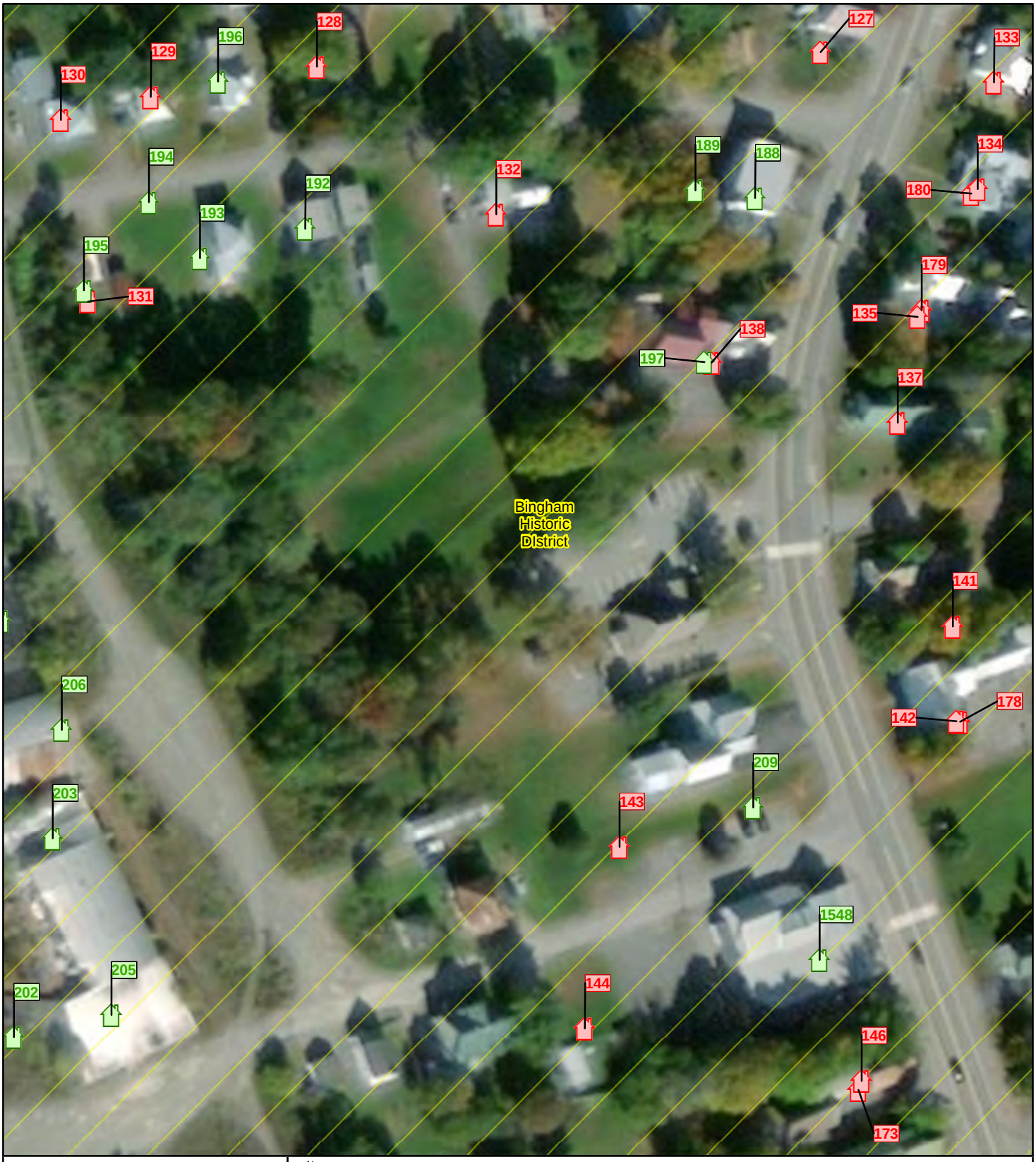
NRHP Status/Recommendation

Listed/Eligible

Potentially Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 11c

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Somerset County

Indirect APE/Survey Boundaries

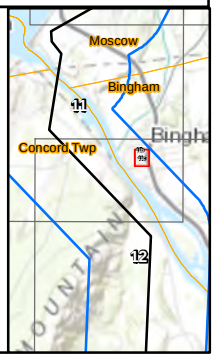
Town Boundary

Historic District

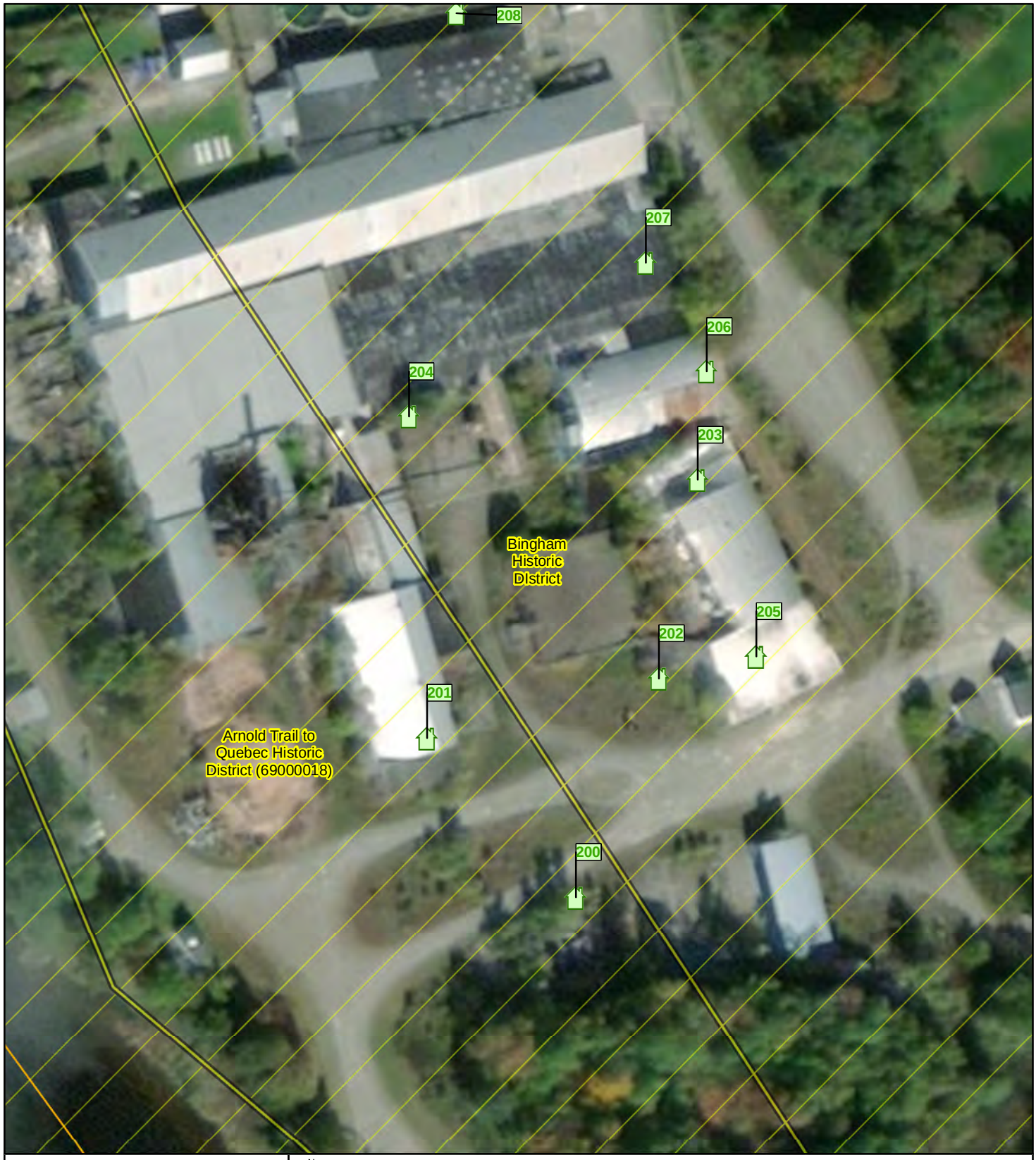
NRHP Status/Recommendation

Listed/Eligible

Potentially Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MCDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 11d

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Somerset County

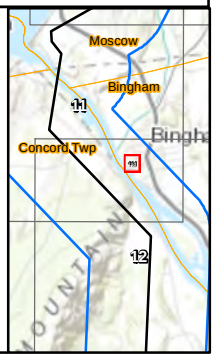
Indirect APE/Survey Boundaries

Town Boundary

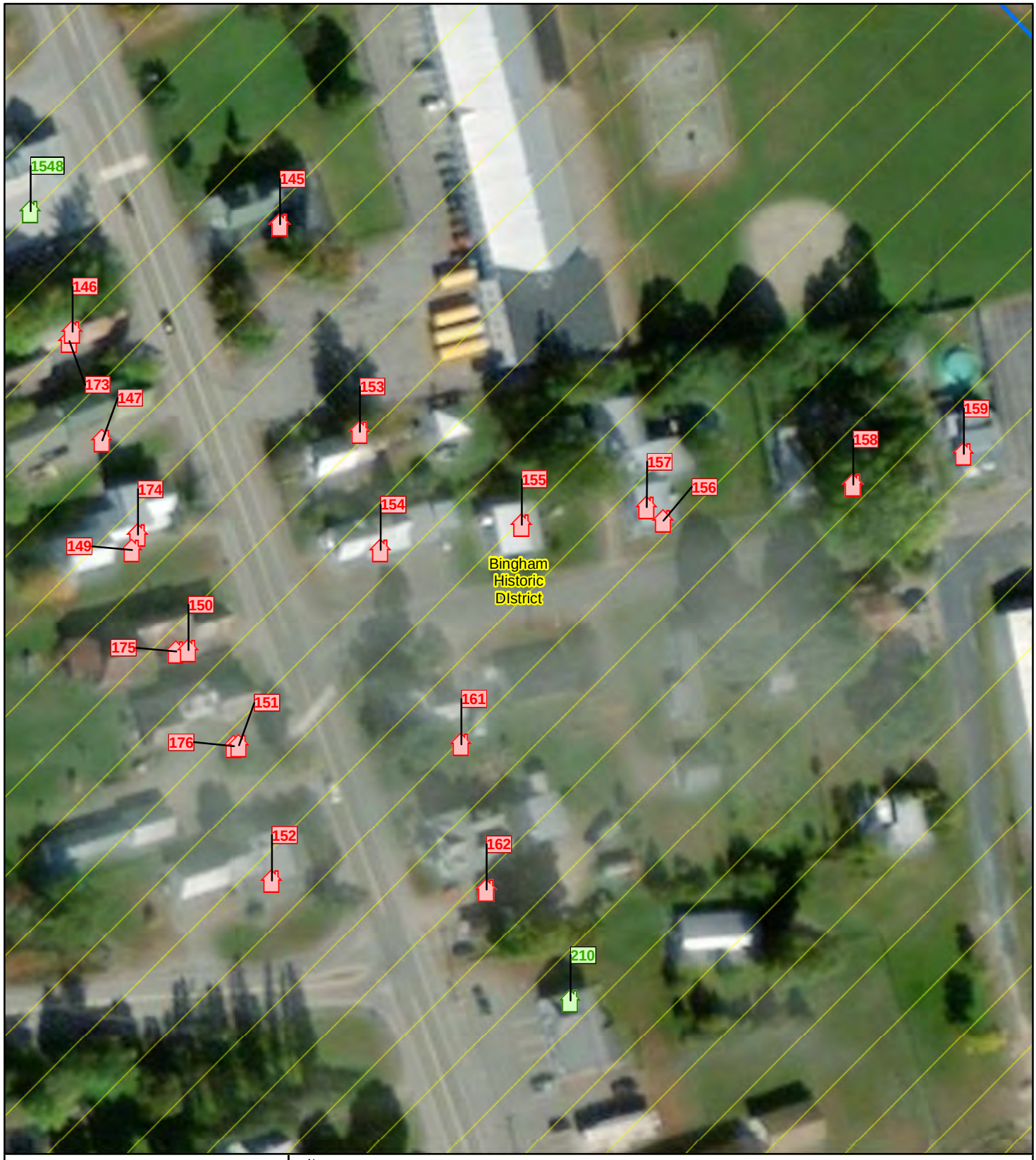
Historic District

NRHP Status/Recommendation

Potentially Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 11e

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Somerset County

Indirect APE/Survey Boundaries

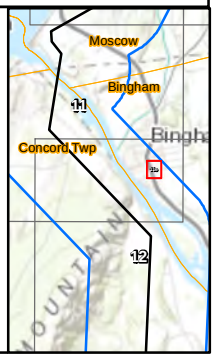
Town Boundary

Historic District

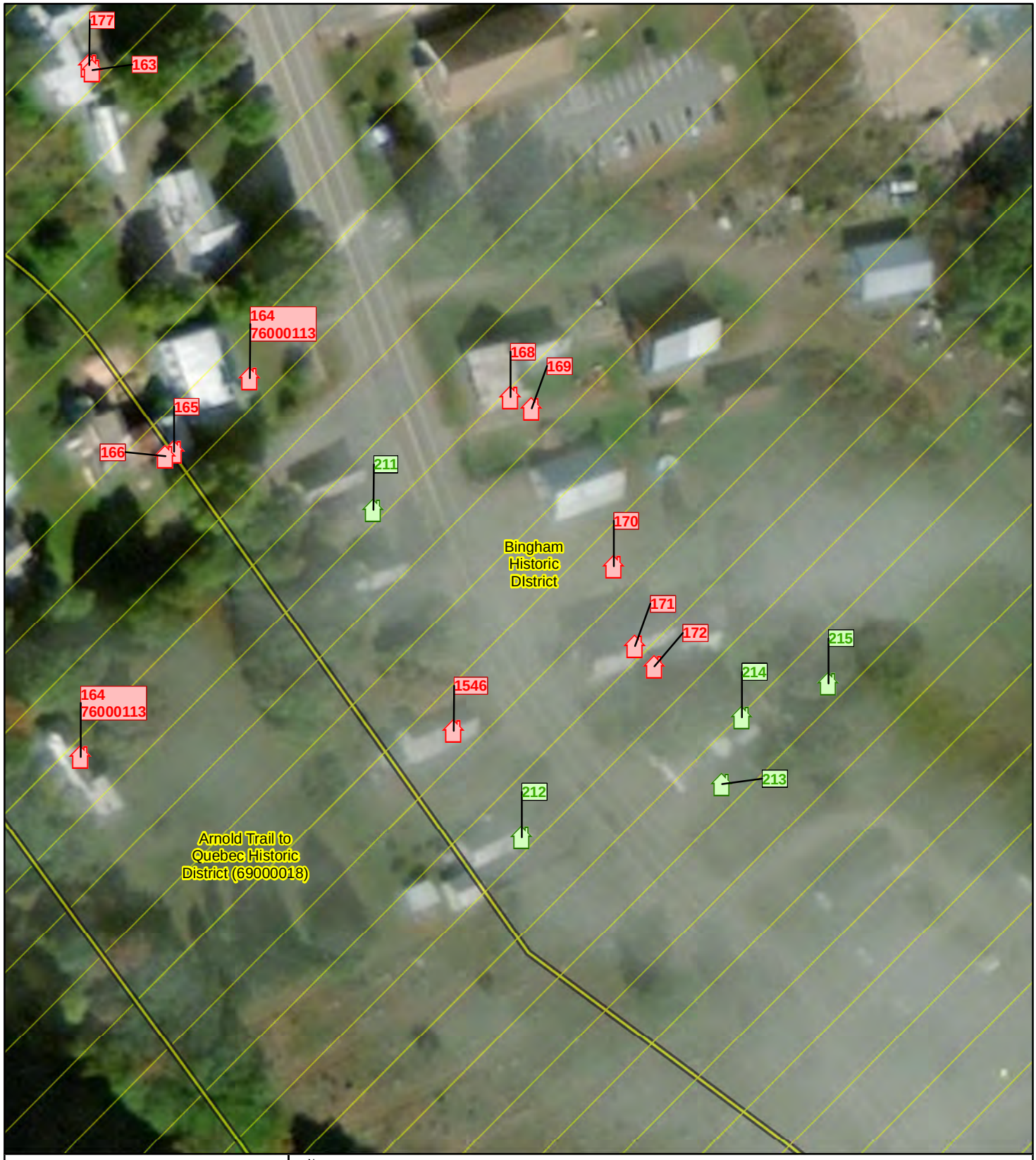
NRHP Status/Recommendation

Listed/Eligible

Potentially Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 11f

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Somerset County

Indirect APE/Survey Boundaries

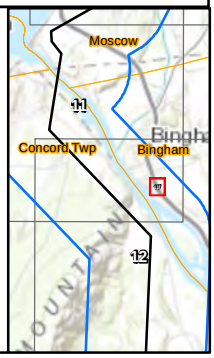
Town Boundary

Historic District

NRHP Status/Recommendation

Listed/Eligible

Potentially Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 11g

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Somerset County

Direct APE

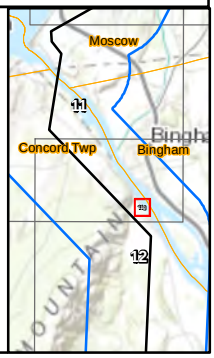
Indirect APE/Survey Boundaries

Town Boundary

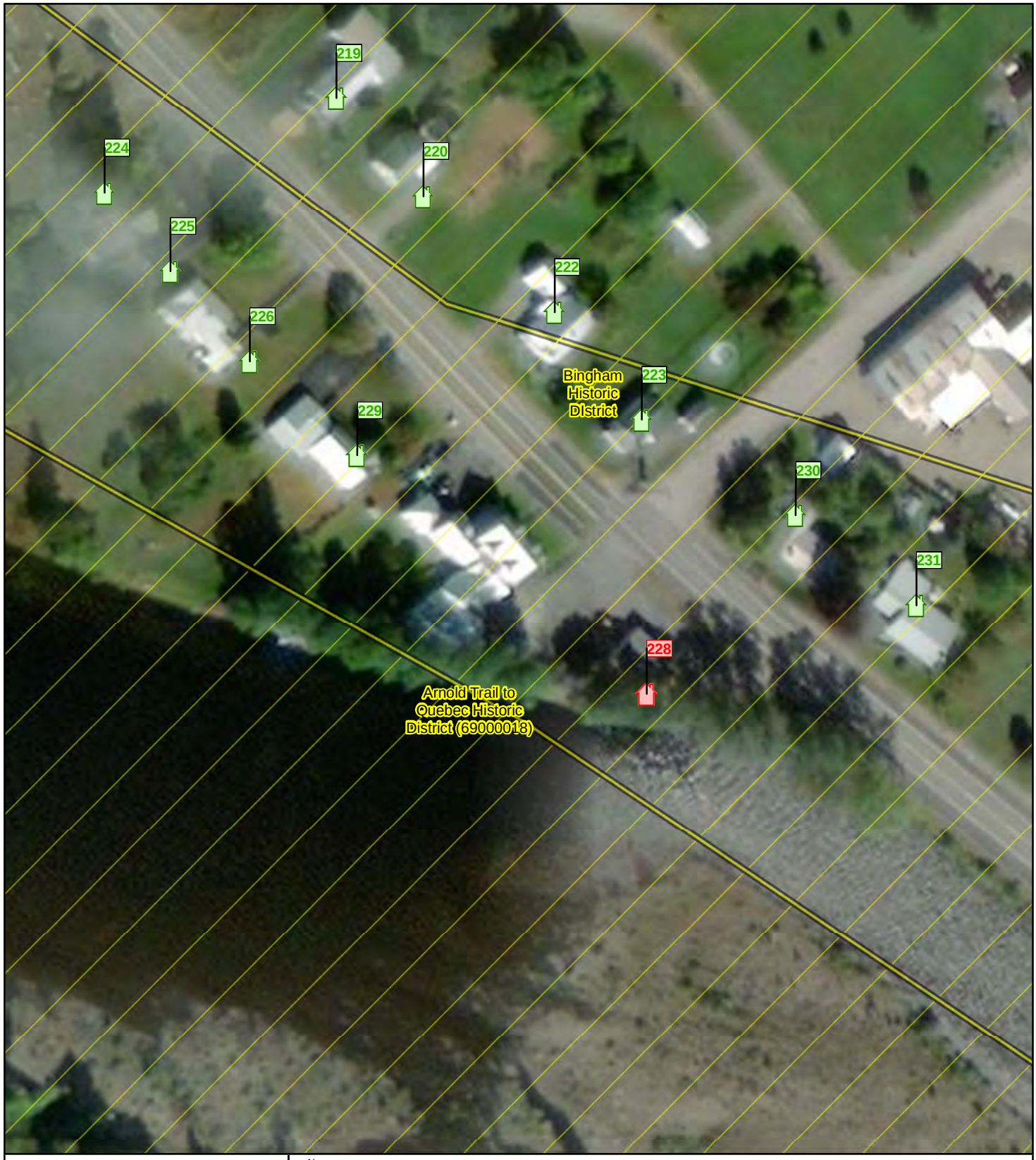
Historic District

NRHP Status/Recommendation

Listed/Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 11h

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Somerset County

Indirect APE/Survey Boundaries

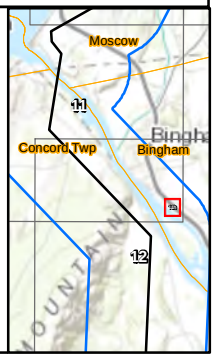
Town Boundary

Historic District

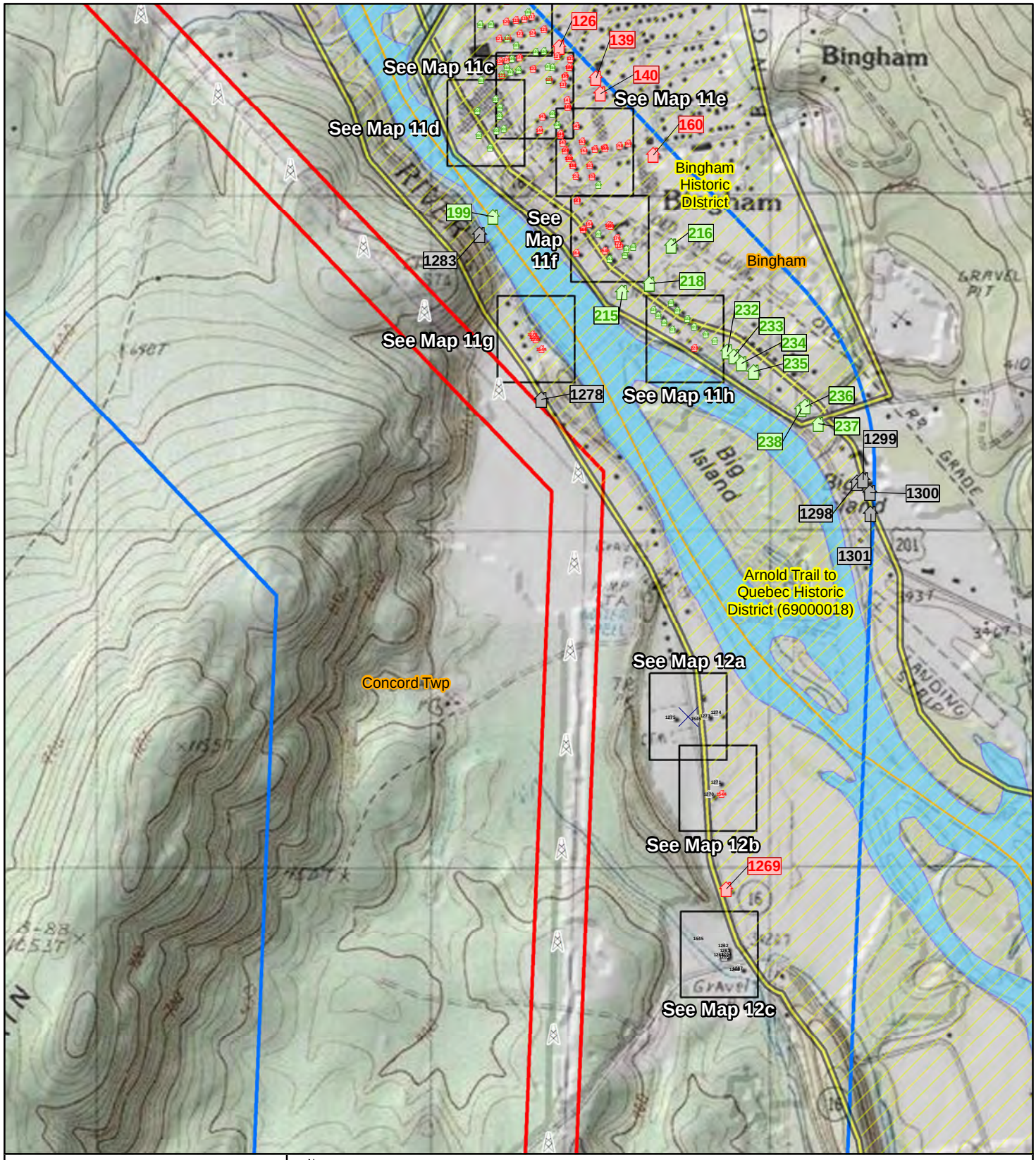
NRHP Status/Recommendation

Listed/Eligible

Potentially Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 12 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Bingham Quadrangle

Somerset County

NECEC Structure

Direct APE

Indirect APE/Survey Boundaries

Town Boundary

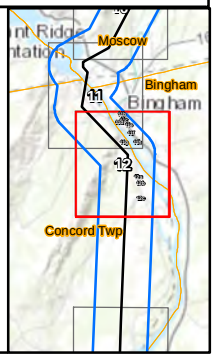
Historic District

NRHP Status/Recommendation

Listed/Eligible

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 12a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Somerset County

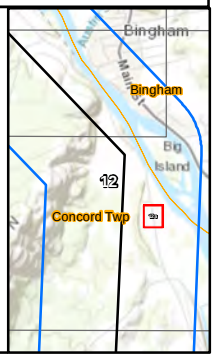
Indirect APE/Survey Boundaries

Town Boundary

Historic District

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MCDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 12b

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Somerset County

Indirect APE/Survey Boundaries

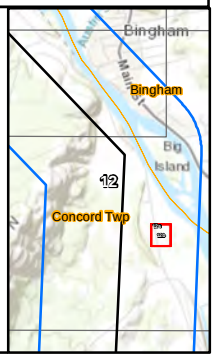
Town Boundary

Historic District

NRHP Status/Recommendation

Listed/Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MCDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 12c

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Somerset County

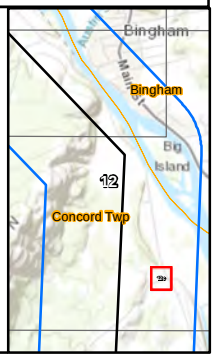
Indirect APE/Survey Boundaries

Town Boundary

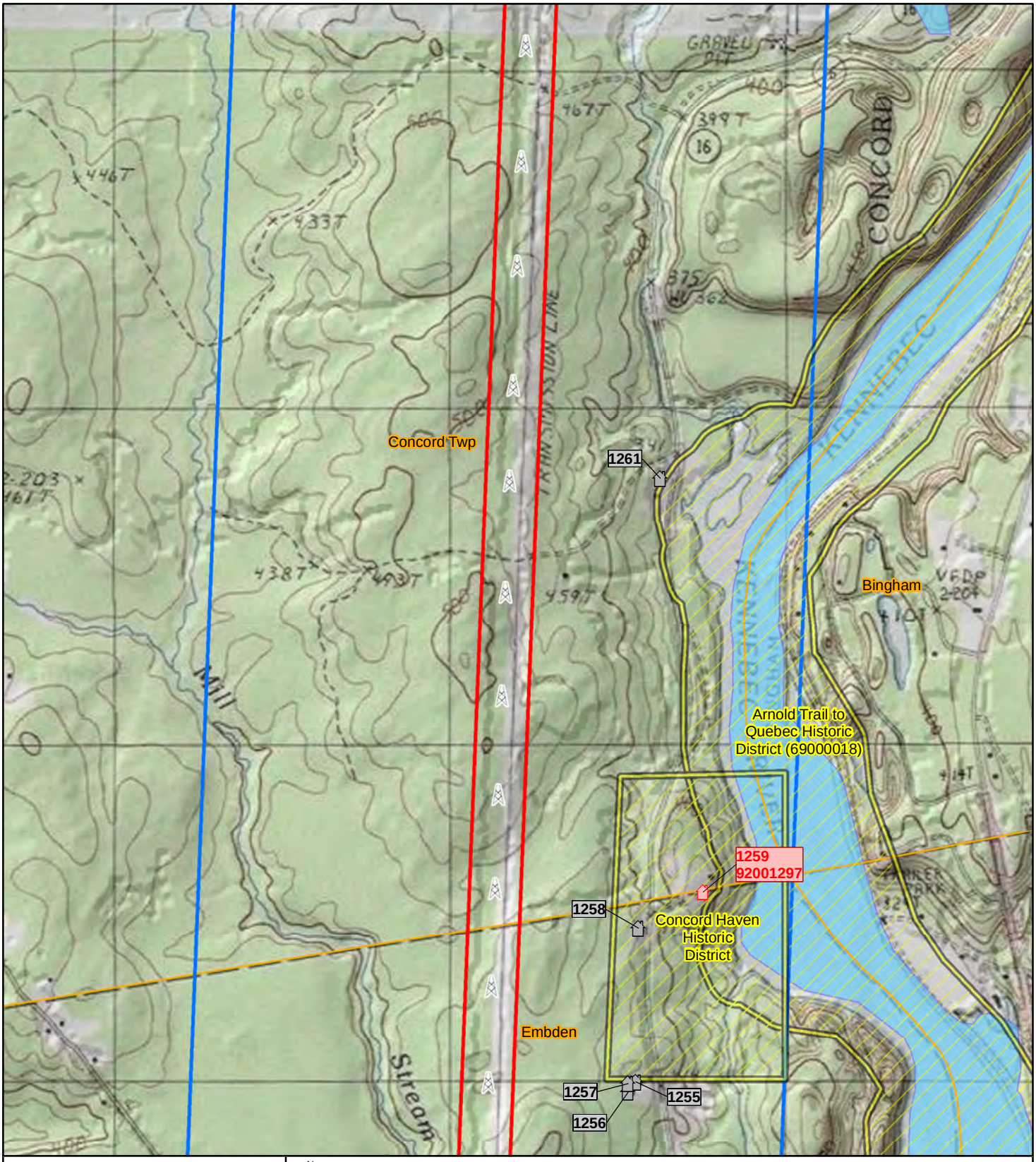
Historic District

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 13 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Embden Pond Quadrangle

Somerset County

NECEC Structure

Direct APE

Indirect APE/Survey Boundaries

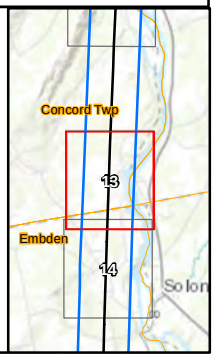
Town Boundary

Historic District

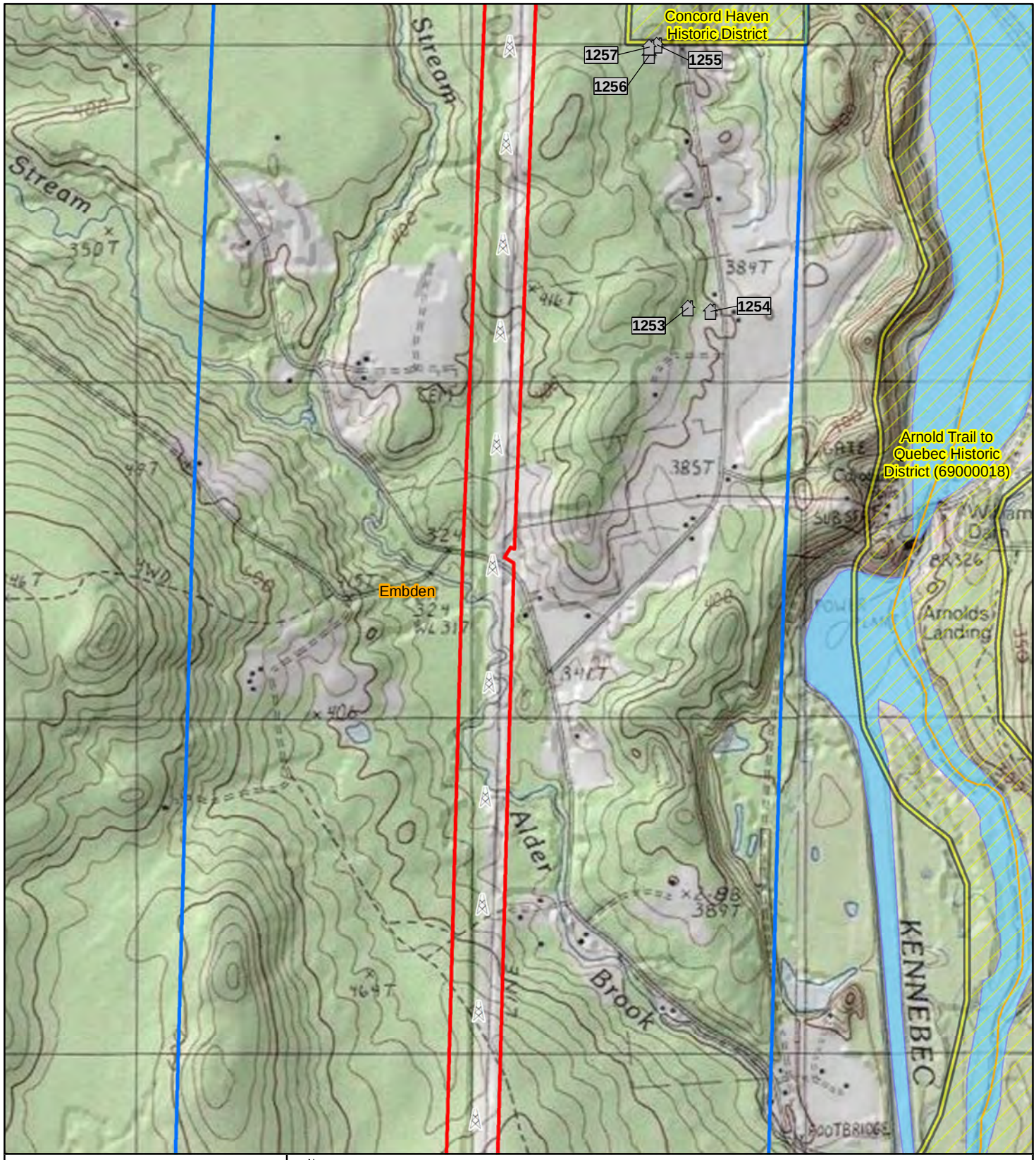
NRHP Status/Recommendation

Listed/Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 14 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Embden Pond Quadrangle

Somerset County

NECEC Structure

Direct APE

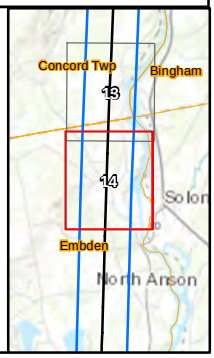
Indirect APE/Survey Boundaries

Town Boundary

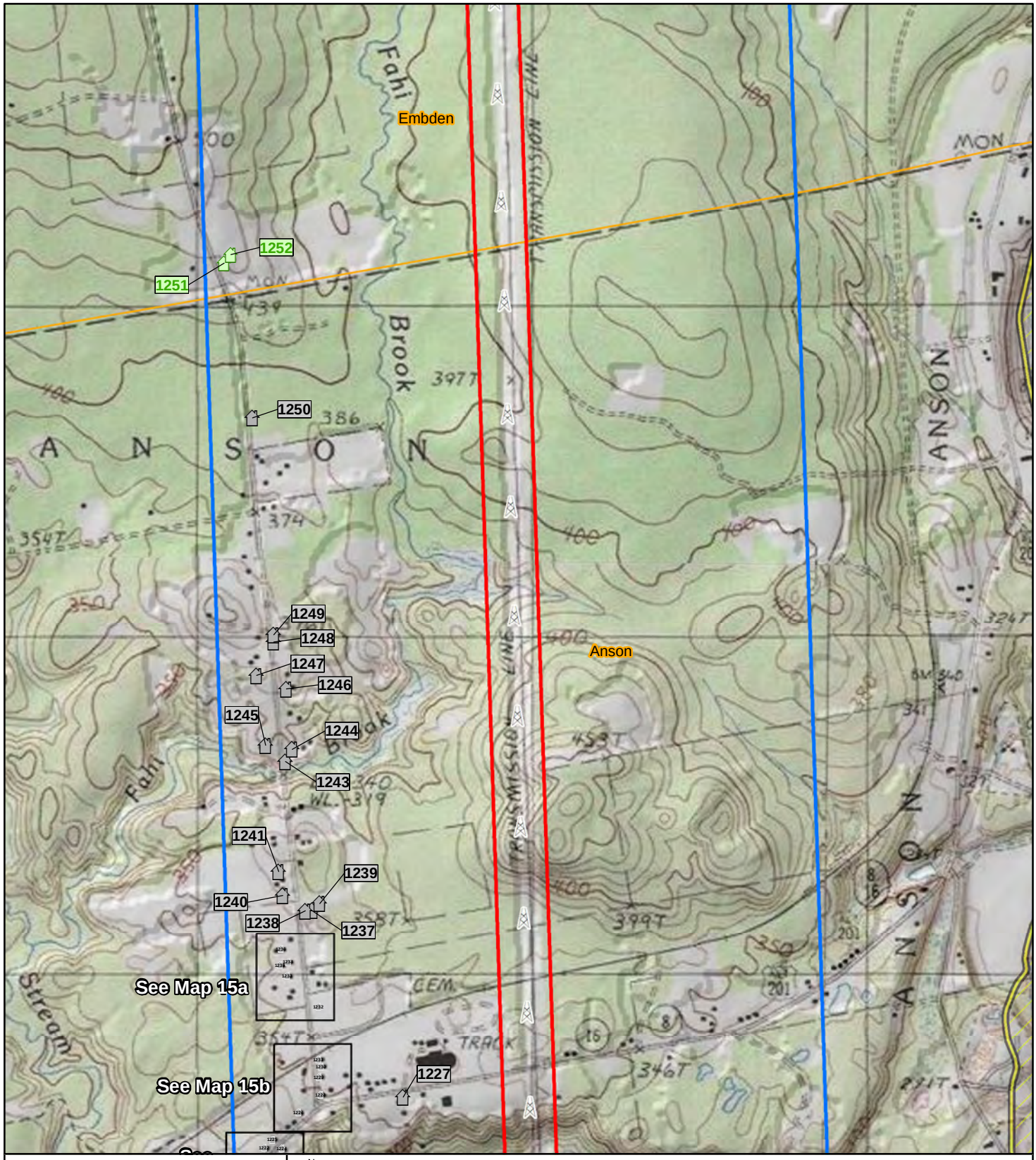
Historic District

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 15 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Embden Pond Quadrangle

Somerset County

NECEC Structure

Direct APE

Indirect APE/Survey Boundaries

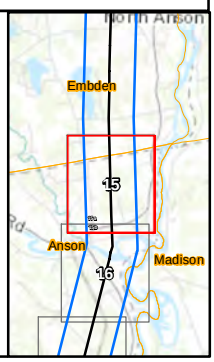
Town Boundary

Historic District

NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 15a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

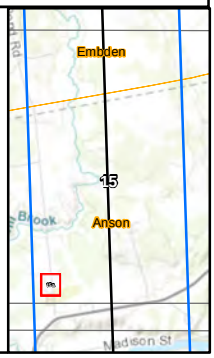
Somerset County

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MCDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 15b

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Somerset County

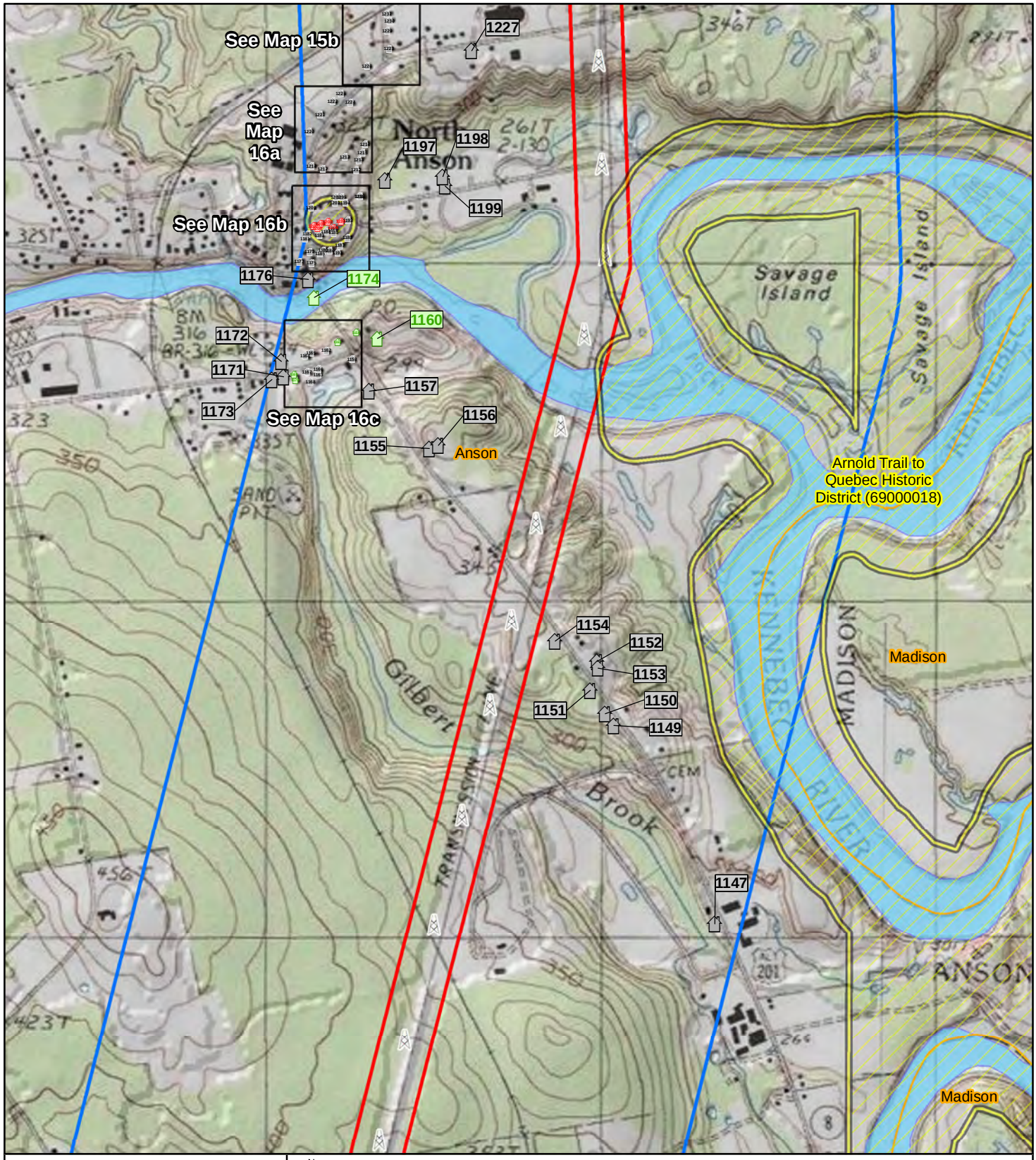
Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible

CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 16 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Madison West Quadrangle

Somerset County

NECEC Structure

Direct APE

Indirect APE/Survey Boundaries

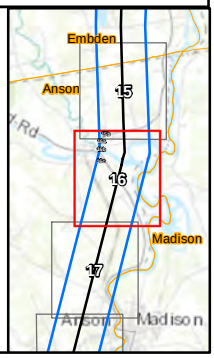
Town Boundary

Historic District

NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 16a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Somerset County

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible

CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 16b

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Somerset County

Indirect APE/Survey Boundaries

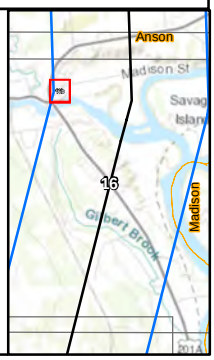
Town Boundary

Historic District

NRHP Status/Recommendation

Listed/Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 16c

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Somerset County

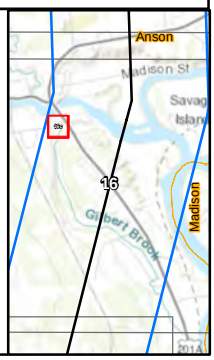
Indirect APE/Survey Boundaries

Town Boundary

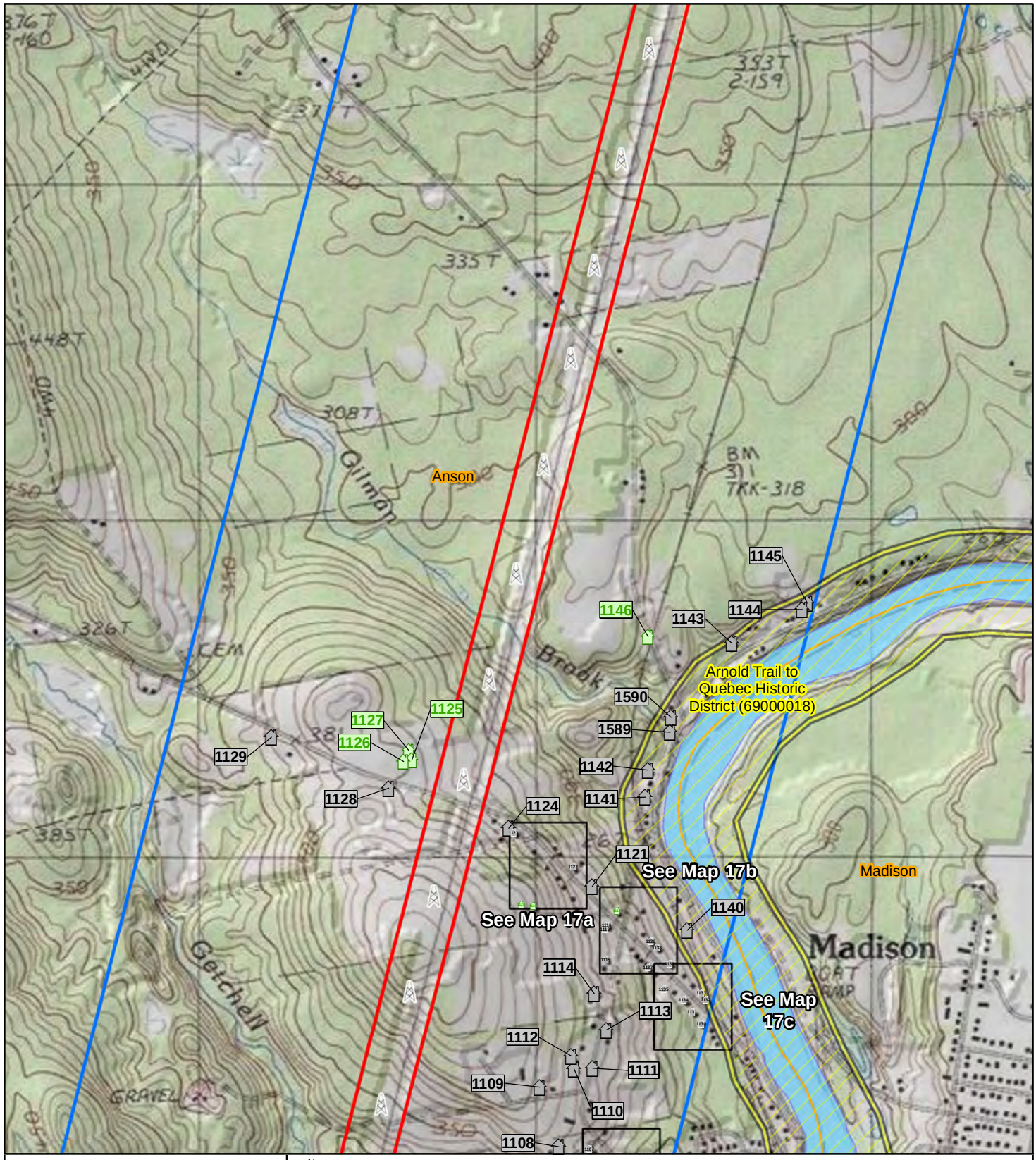
NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 17 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Madison West Quadrangle

Somerset County

NECEC Structure

Direct APE

Indirect APE/Survey Boundaries

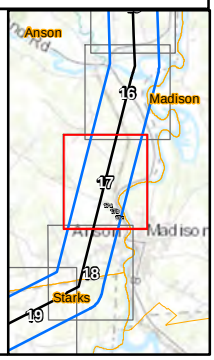
Town Boundary

Historic District

NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 17a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Somerset County

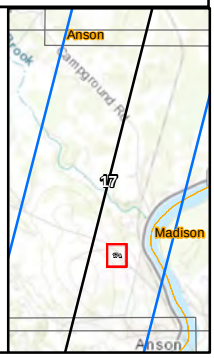
Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MCDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 17b

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Somerset County

Indirect APE/Survey Boundaries

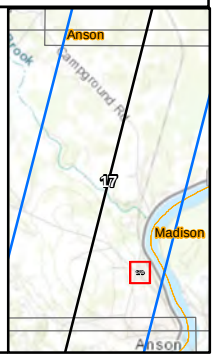
Town Boundary

Historic District

NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 17c

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Somerset County

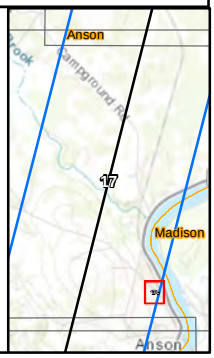
Indirect APE/Survey Boundaries

Town Boundary

Historic District

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 18 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Madison West Quadrangle

Somerset County

NECEC Structure

Direct APE

Indirect APE/Survey Boundaries

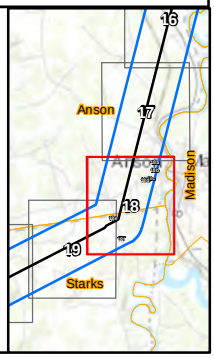
Town Boundary

Historic District

NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 18a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

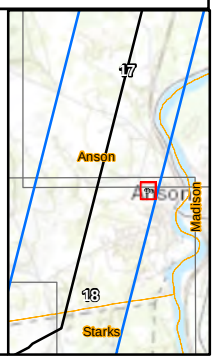
Somerset County

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 18b

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

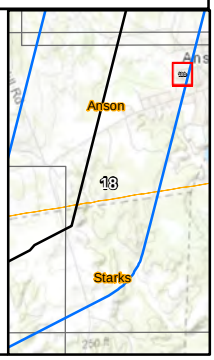
Somerset County

Indirect APE/Survey Boundaries

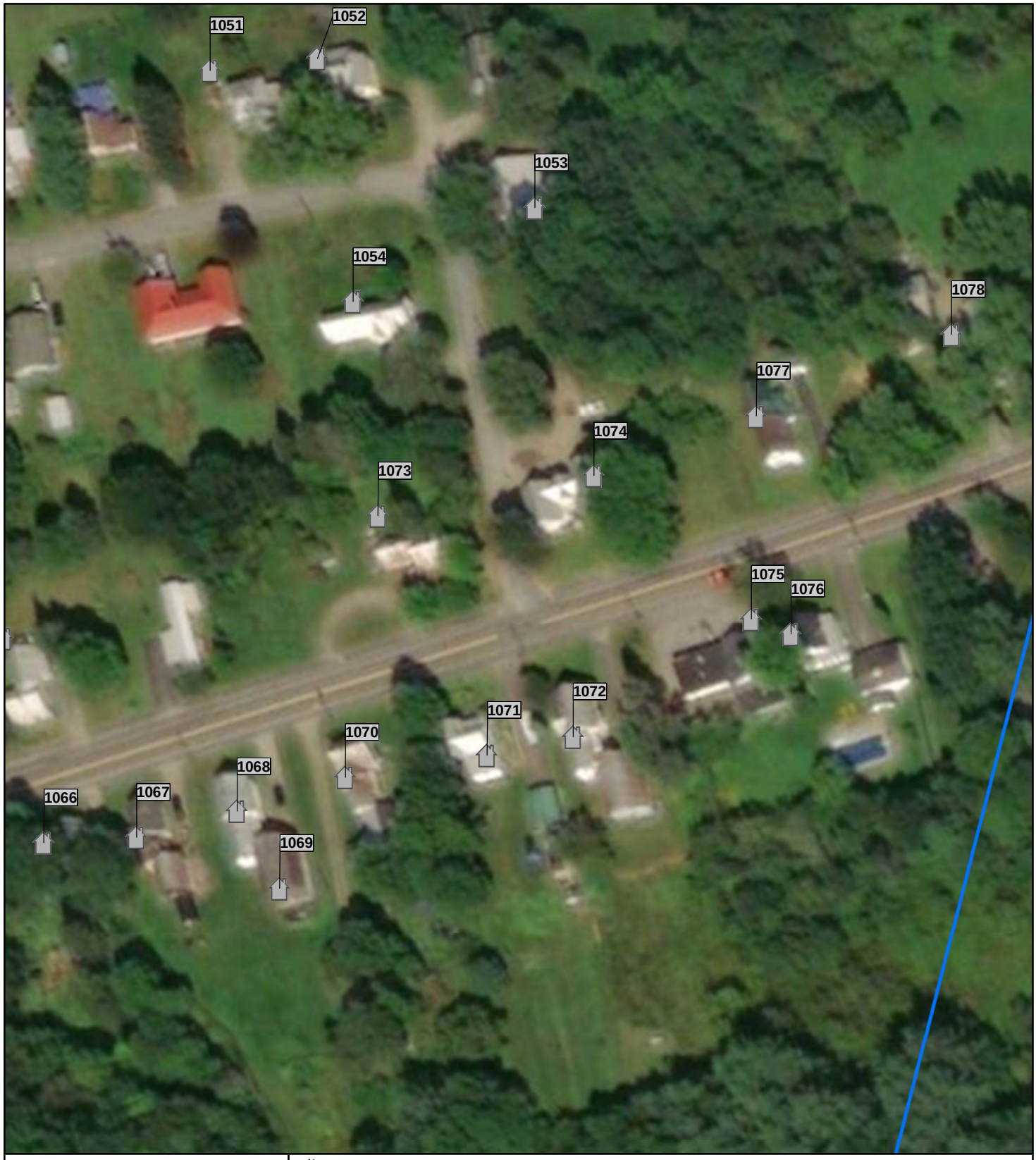
Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 18c

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

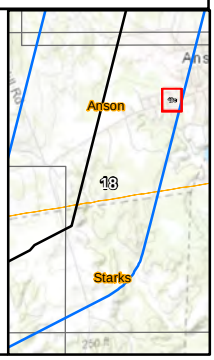
Somerset County

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 18d

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

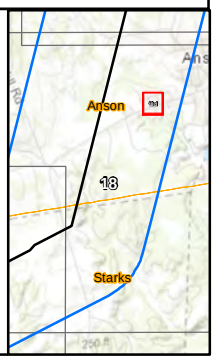
Somerset County

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 18e

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Somerset County

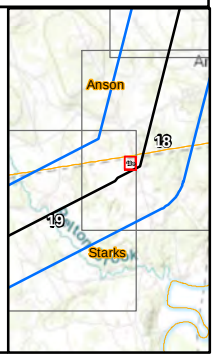
Direct APE

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Potentially Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 18f

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

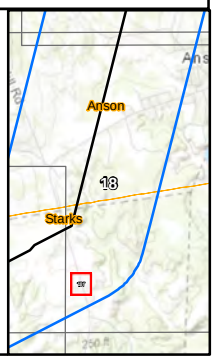
Somerset County

Indirect APE/Survey Boundaries

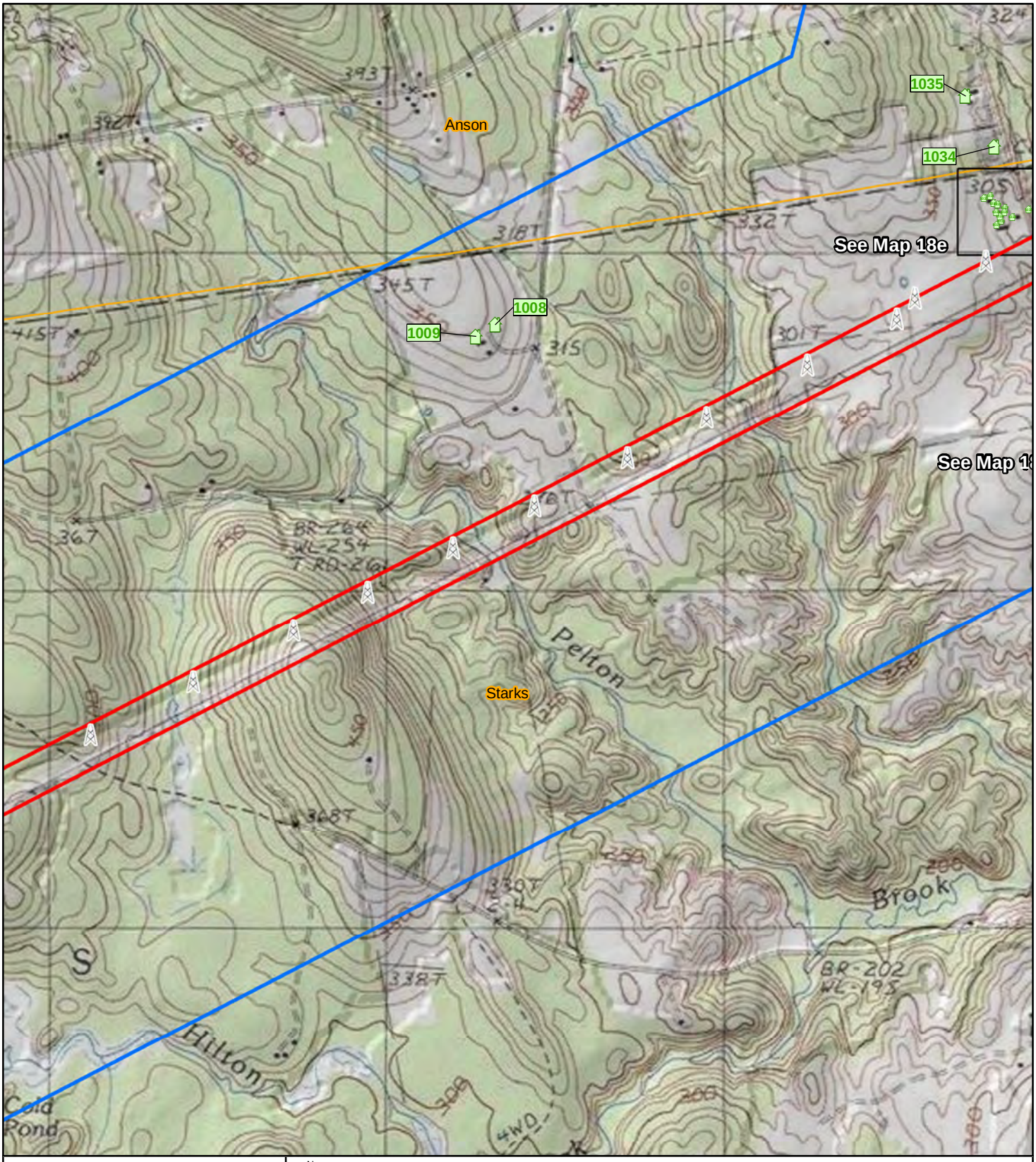
Town Boundary

NRHP Status/Recommendation

Potentially Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & MCDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 19 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Madison West Quadrangle

Somerset County

NECEC Structure

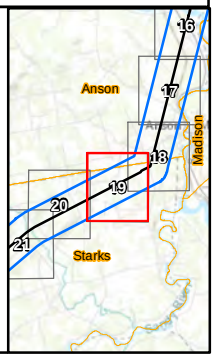
Direct APE

Indirect APE/Survey Boundaries

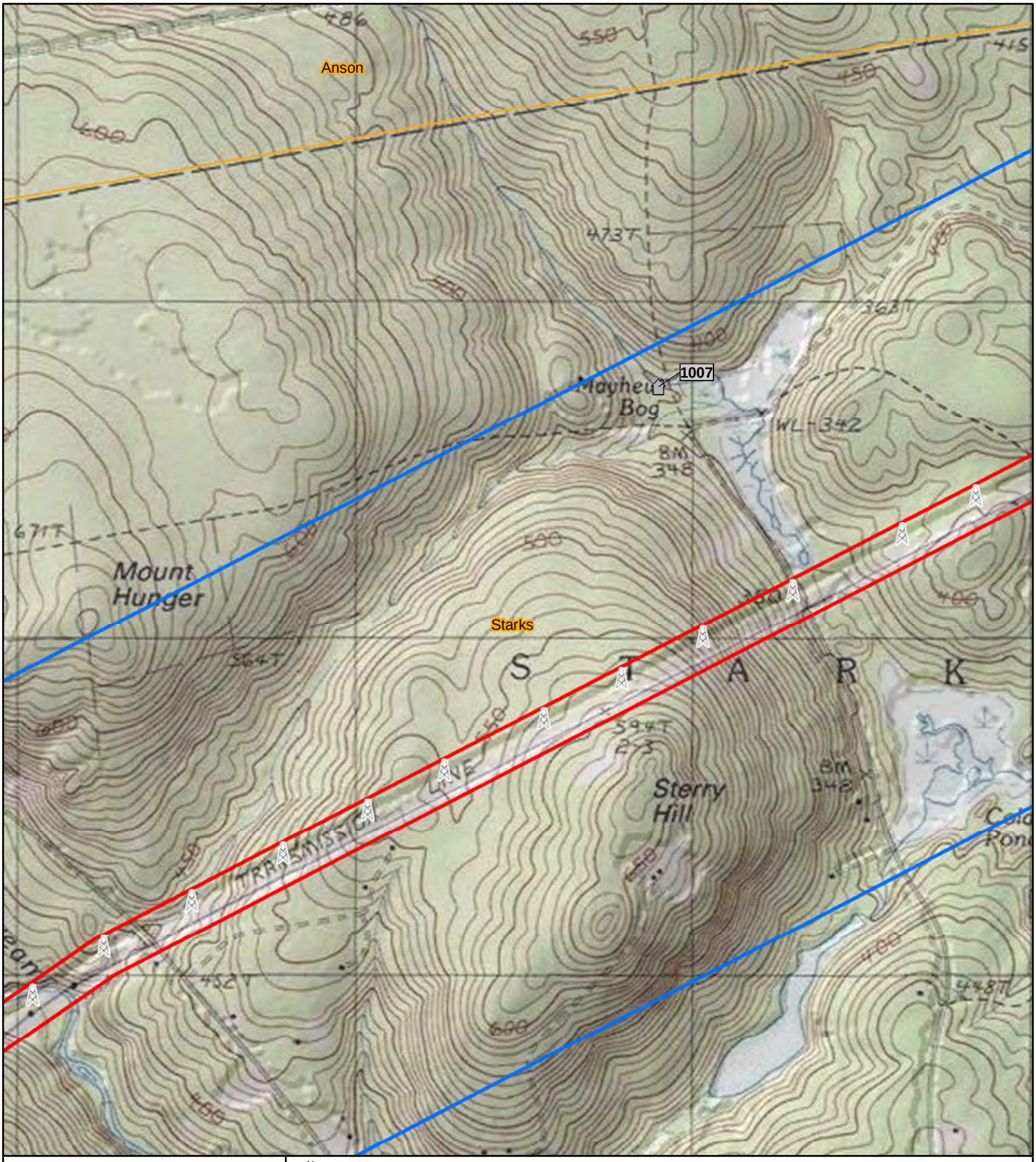
Town Boundary

NRHP Status/Recommendation

Potentially Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 20 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Madison West Quadrangle

Somerset County

NECEC Structure

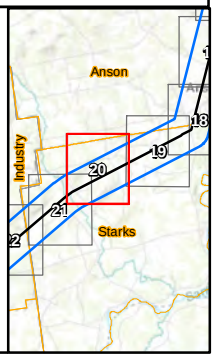
Direct APE

Indirect APE/Survey Boundaries

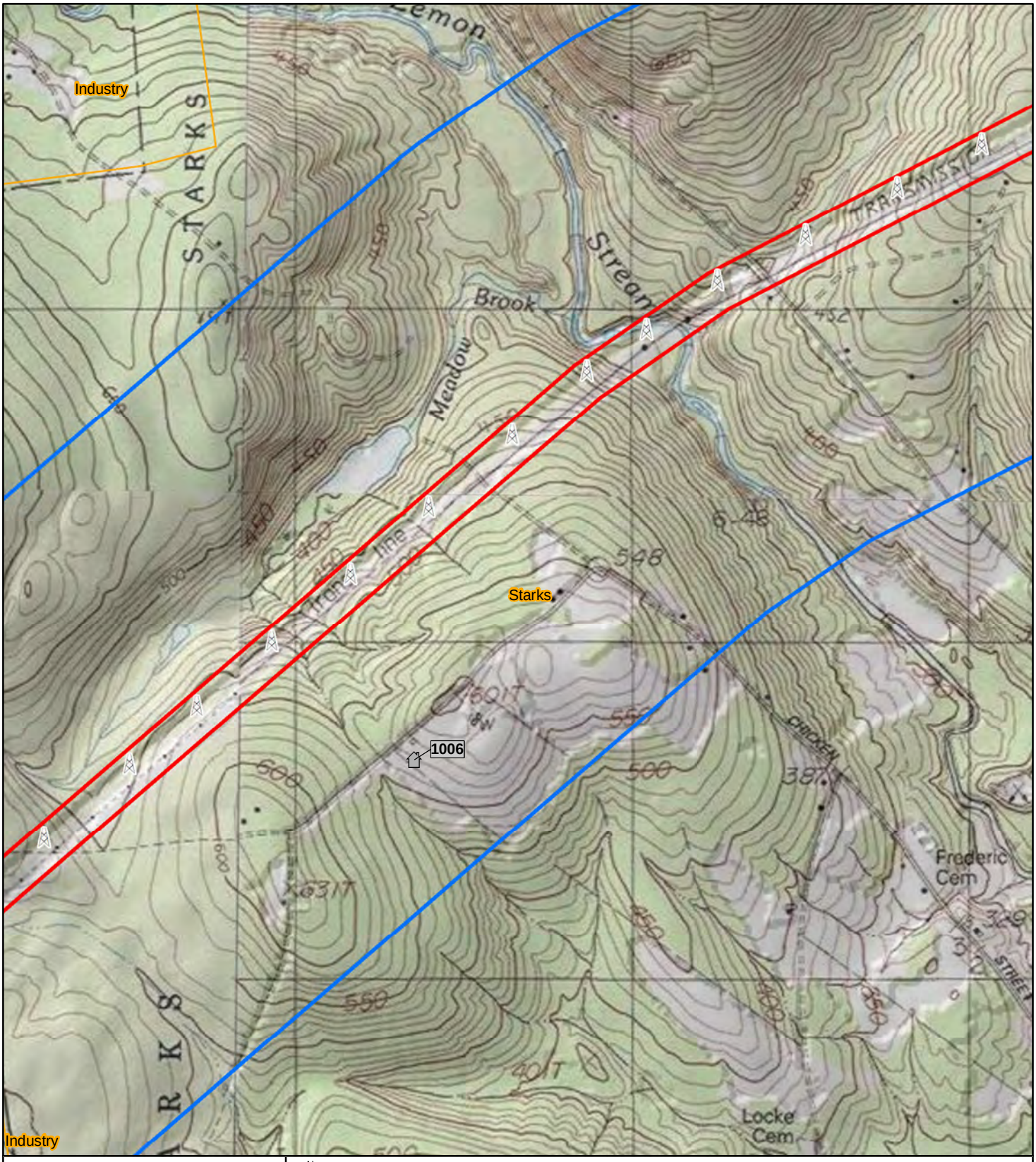
Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 21 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Mercer Quadrangle

Somerset County

NECEC Structure

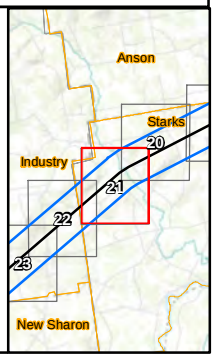
Direct APE

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MCDONNELL

New England Clean Energy Connect

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NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 22 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: New Sharon Quadrangle

Franklin and Somerset County

NECEC Structure

Direct APE

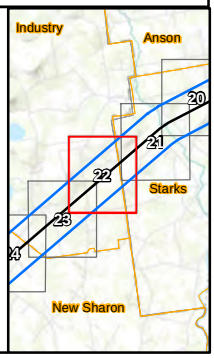
Indirect APE/Survey Boundaries

Town Boundary

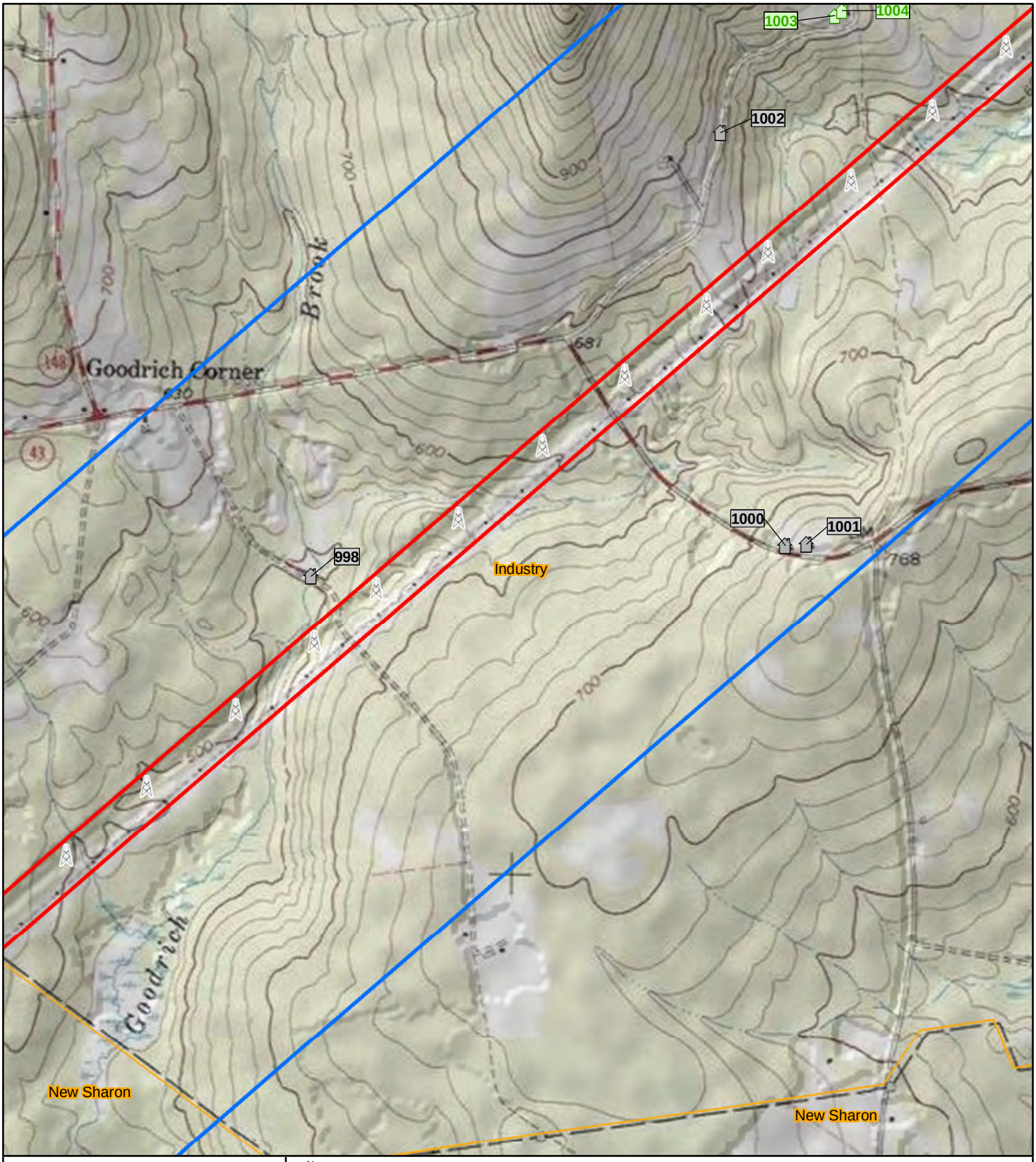
NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

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NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 23 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: New Sharon Quadrangle

Franklin County

NECEC Structure

Direct APE

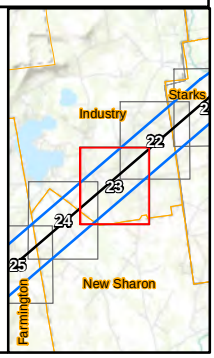
Indirect APE/Survey Boundaries

Town Boundary

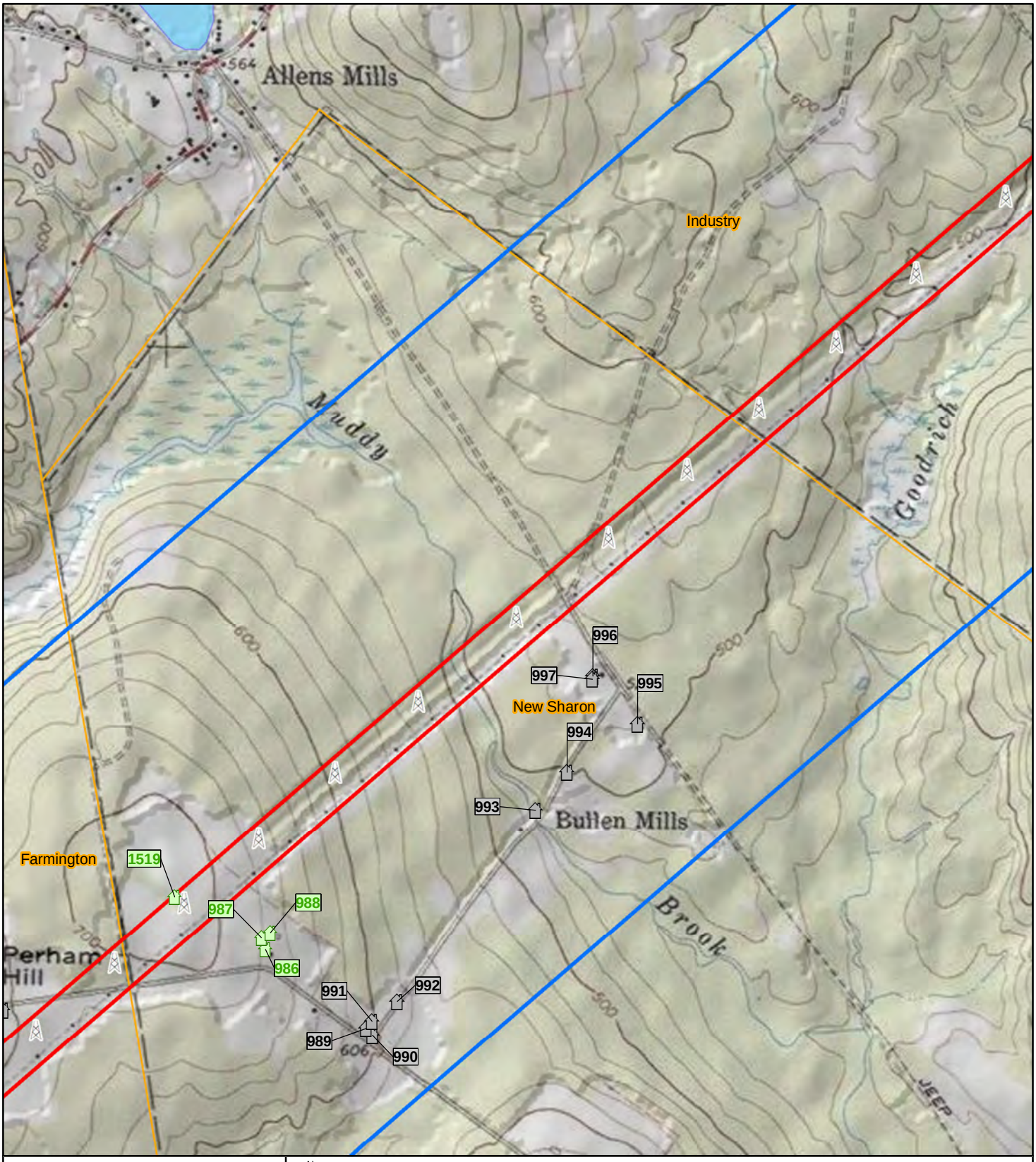
NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

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NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 24 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: New Sharon Quadrangle

Franklin County

NECEC Structure

Direct APE

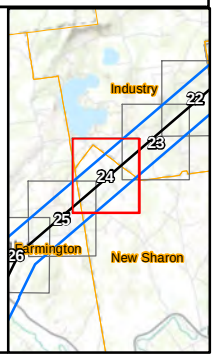
Indirect APE/Survey Boundaries

Town Boundary

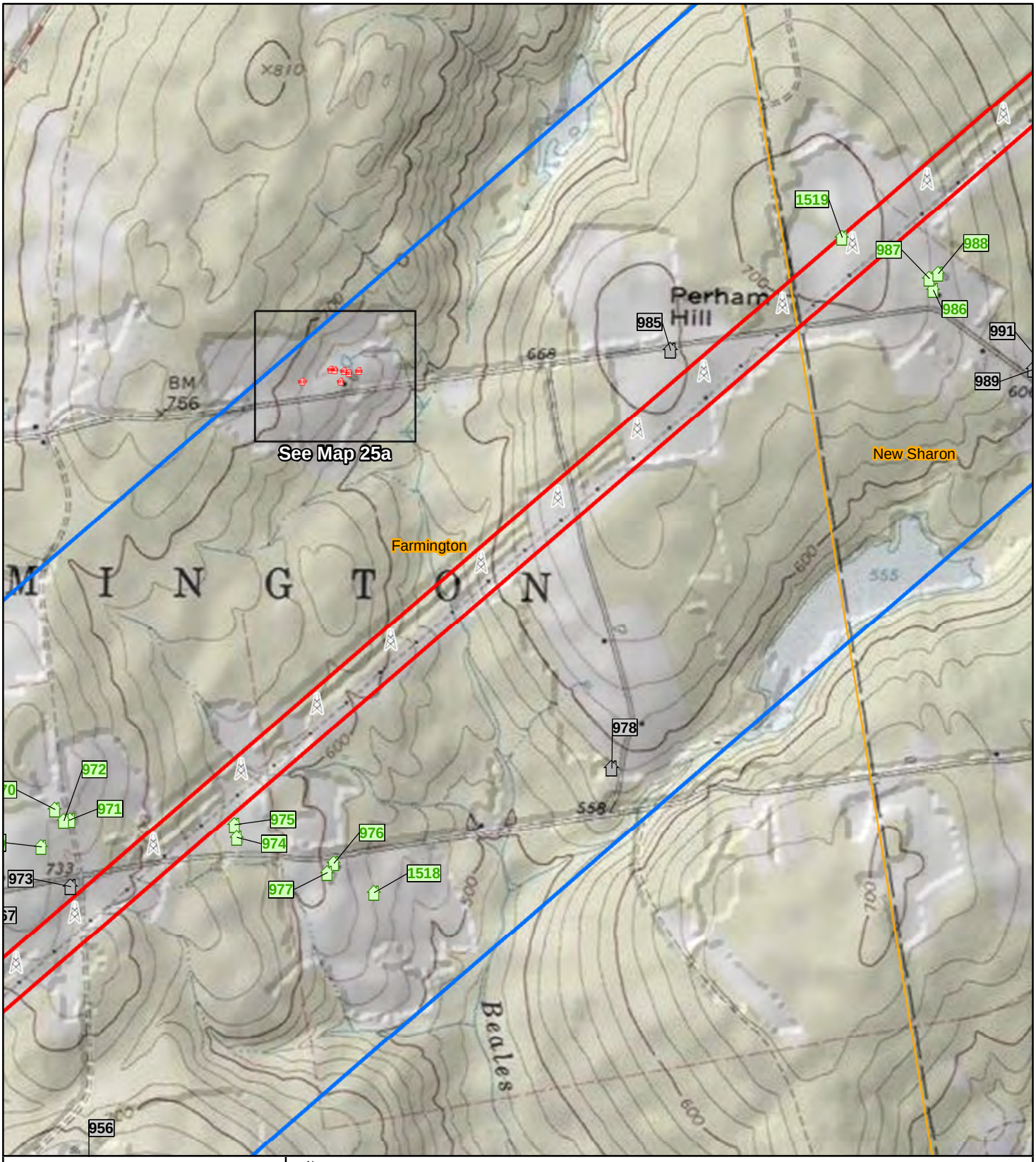
NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 25 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: New Sharon Quadrangle

Franklin County

NECEC Structure

Direct APE

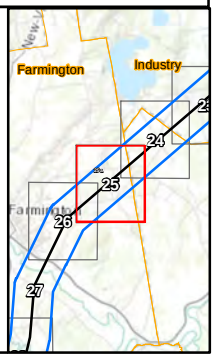
Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

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NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 25a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

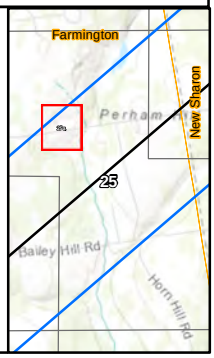
Franklin County

Indirect APE/Survey Boundaries

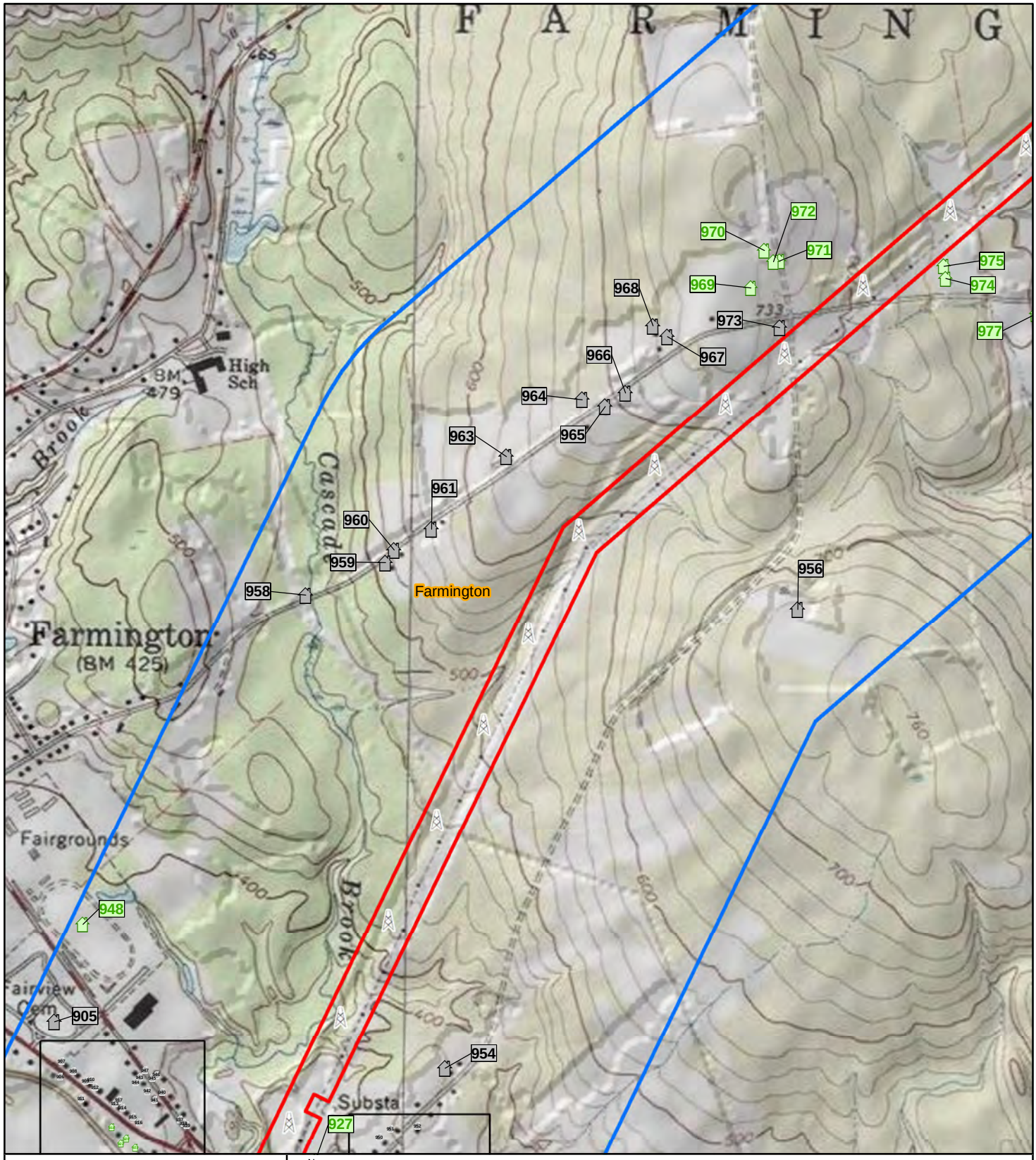
Town Boundary

NRHP Status/Recommendation

Listed/Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 26 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Farmington Quadrangle

Franklin County

NECEC Structure

Direct APE

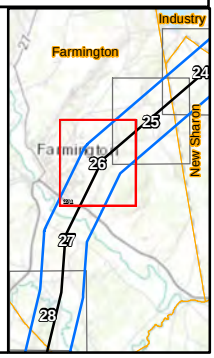
Indirect APE/Survey Boundaries

Town Boundary

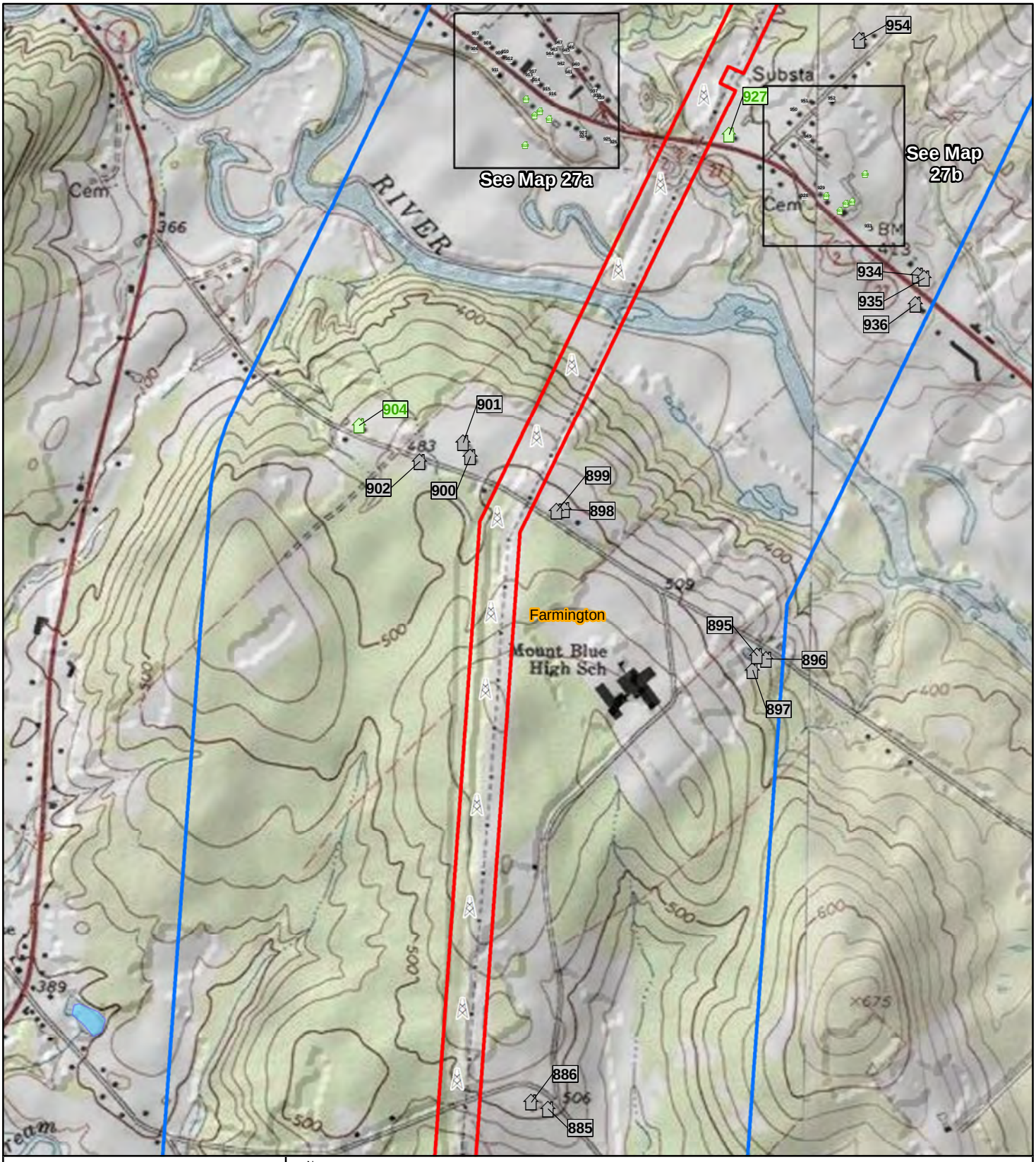
NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 27 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Farmington Quadrangle

Franklin County

NECEC Structure

Direct APE

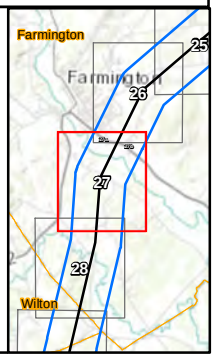
Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 27a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Franklin County

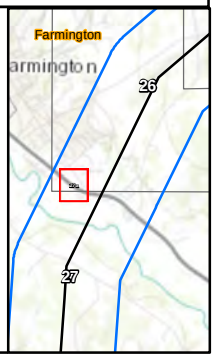
Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 27b

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Franklin County

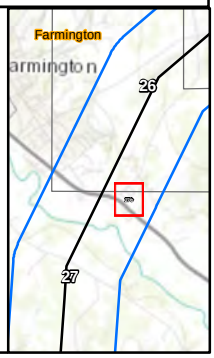
Indirect APE/Survey Boundaries

Town Boundary

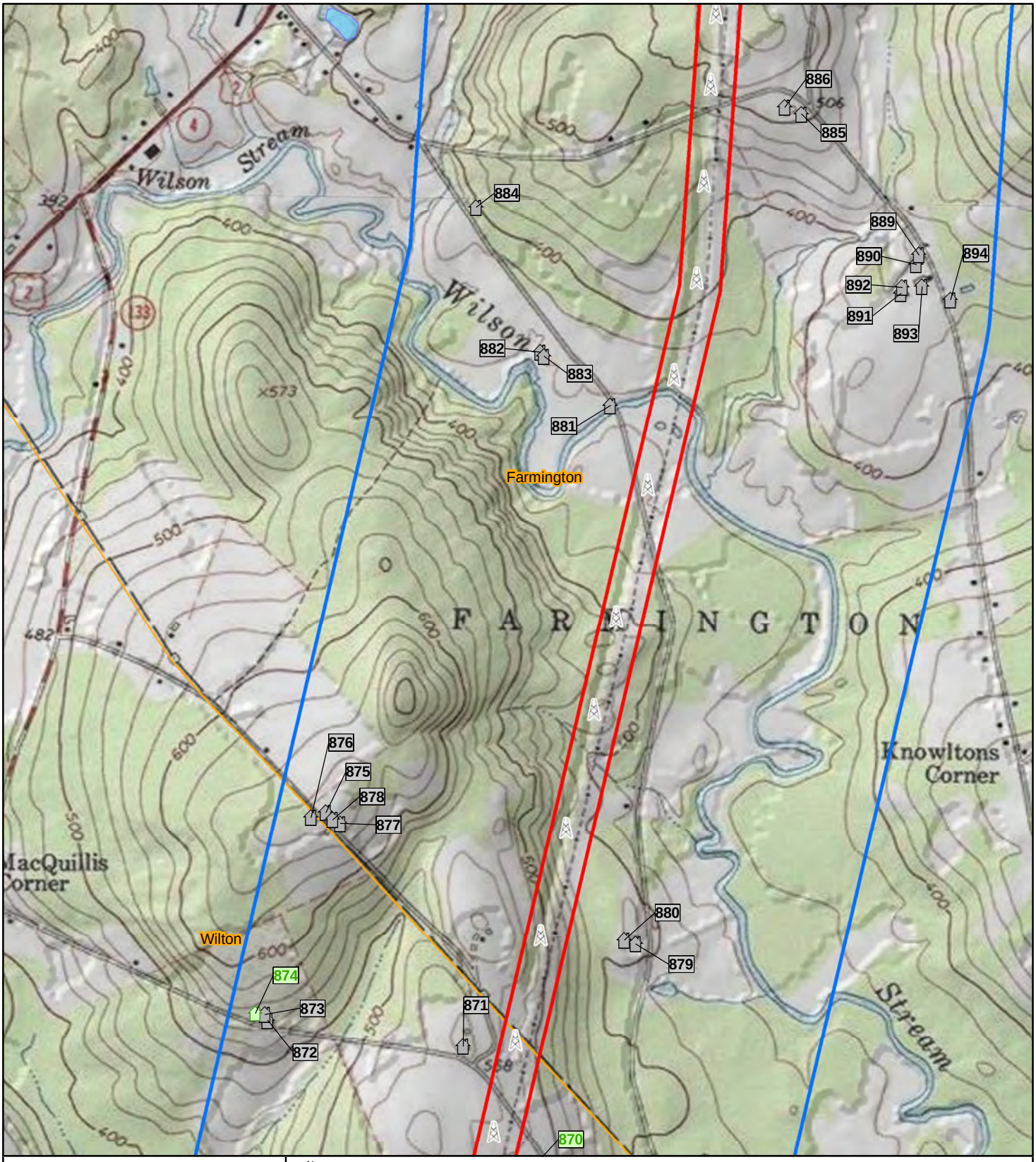
NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 28 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Wilton Quadrangle

Franklin County

NECEC Structure

Direct APE

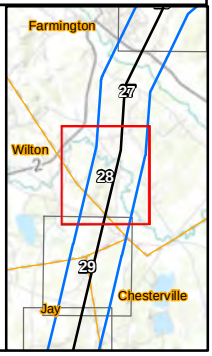
Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 29 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Wilton Quadrangle

Franklin County

NECEC Structure

Direct APE

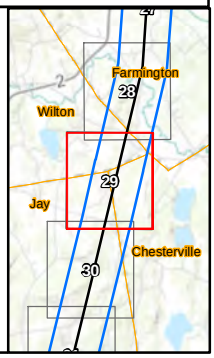
Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 30 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Wilton Quadrangle

Franklin County

NECEC Structure

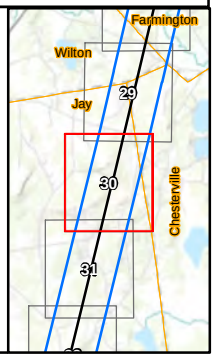
Direct APE

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 31 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Wilton Quadrangle

Franklin County

NECEC Structure

Direct APE

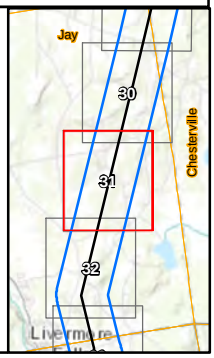
Indirect APE/Survey Boundaries

Town Boundary

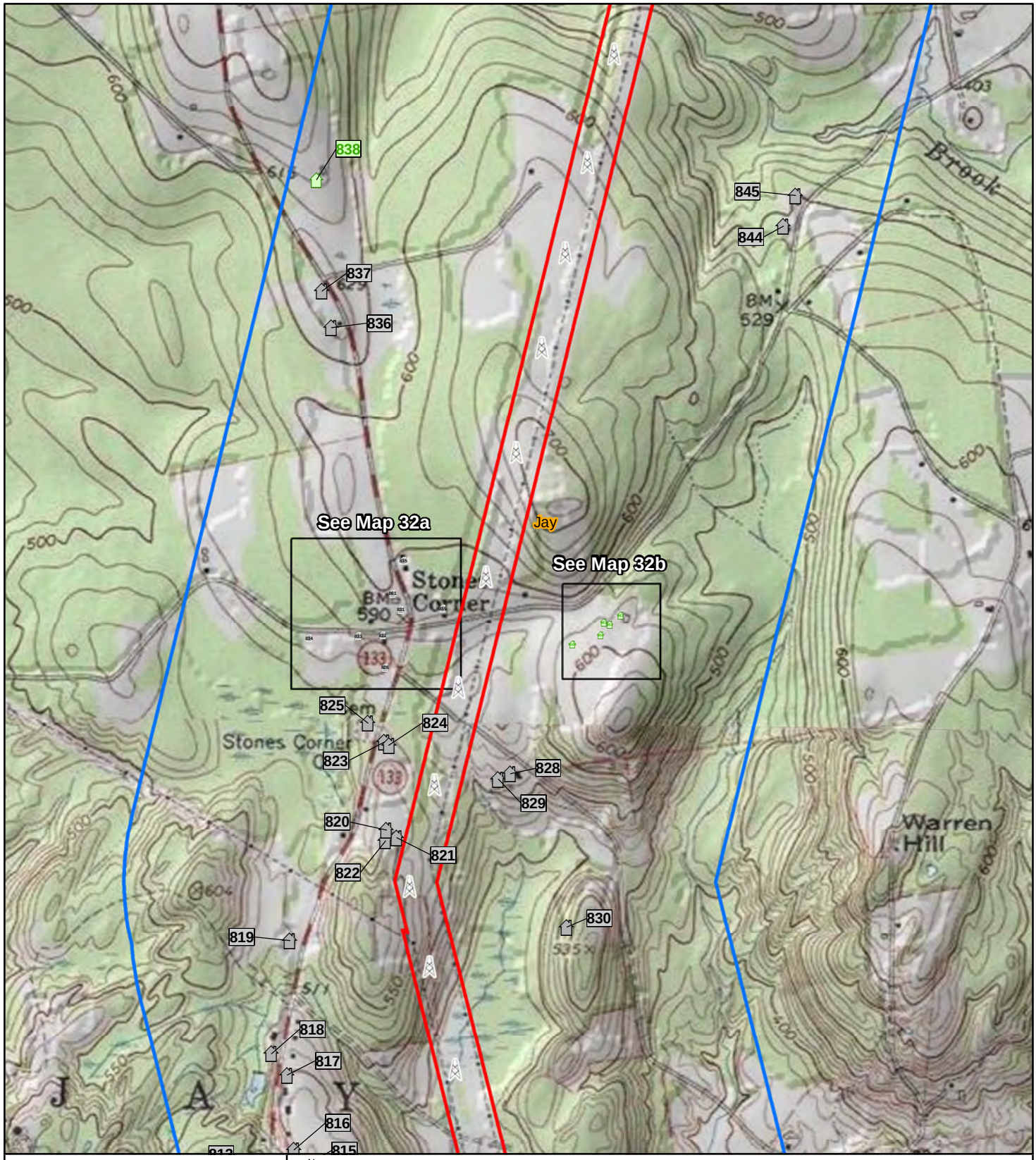
NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 32 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Wilton Quadrangle

Franklin County

NECEC Structure

Direct APE

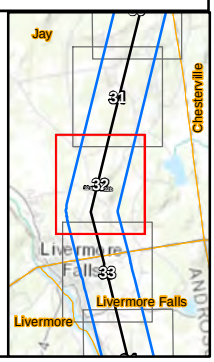
Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 32a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Franklin County

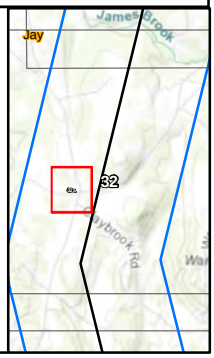
Direct APE

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 32b

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

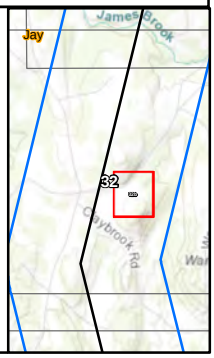
Franklin County

Indirect APE/Survey Boundaries

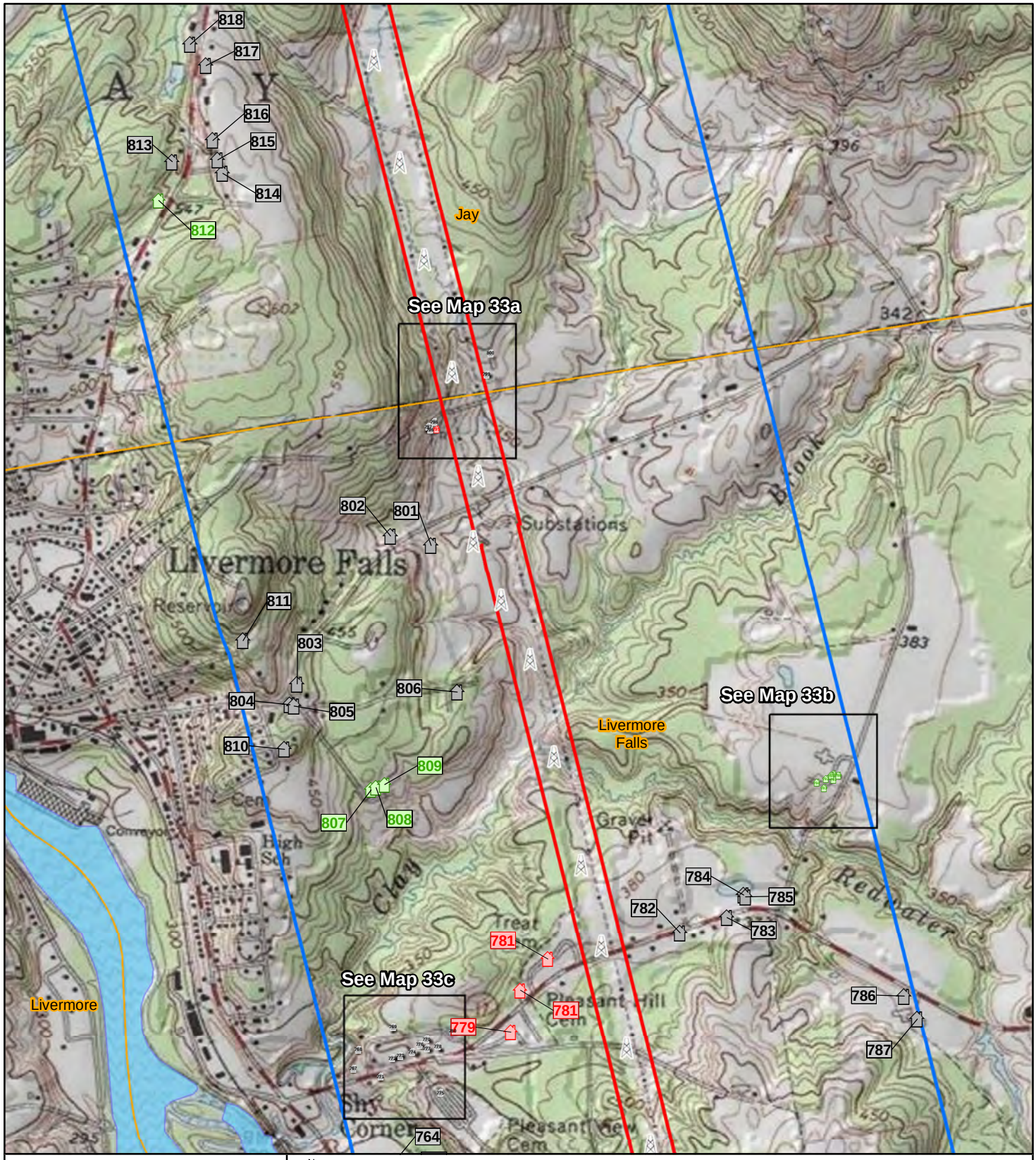
Town Boundary

NRHP Status/Recommendation

Potentially Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 33 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Livermore Falls Quadrangle

Androscoggin and Franklin County

NECEC Structure

Direct APE

Indirect APE/Survey Boundaries

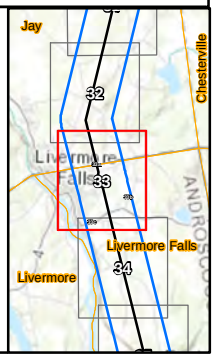
Town Boundary

NRHP Status/Recommendation

Listed/Eligible

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 33a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Androscoggin and Franklin County

NECEC Structure

Direct APE

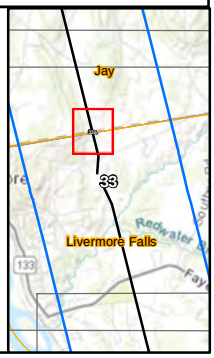
Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Listed/Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 33b

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

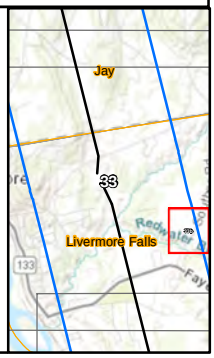
Androscoggin County

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Potentially Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 33c

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

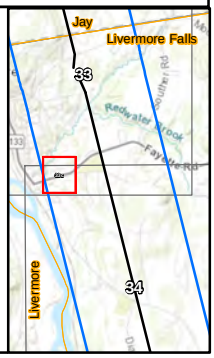
Androscoggin County

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 34 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Livermore Falls Quadrangle

Androscoggin County

NECEC Structure

Direct APE

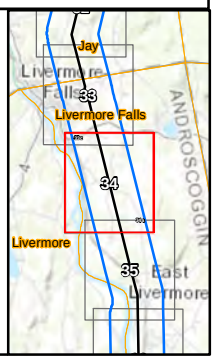
Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Listed/Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 34a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

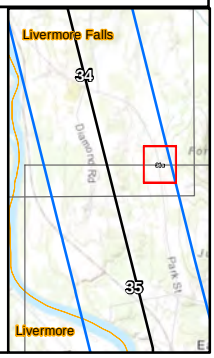
Androscoggin County

Indirect APE/Survey Boundaries

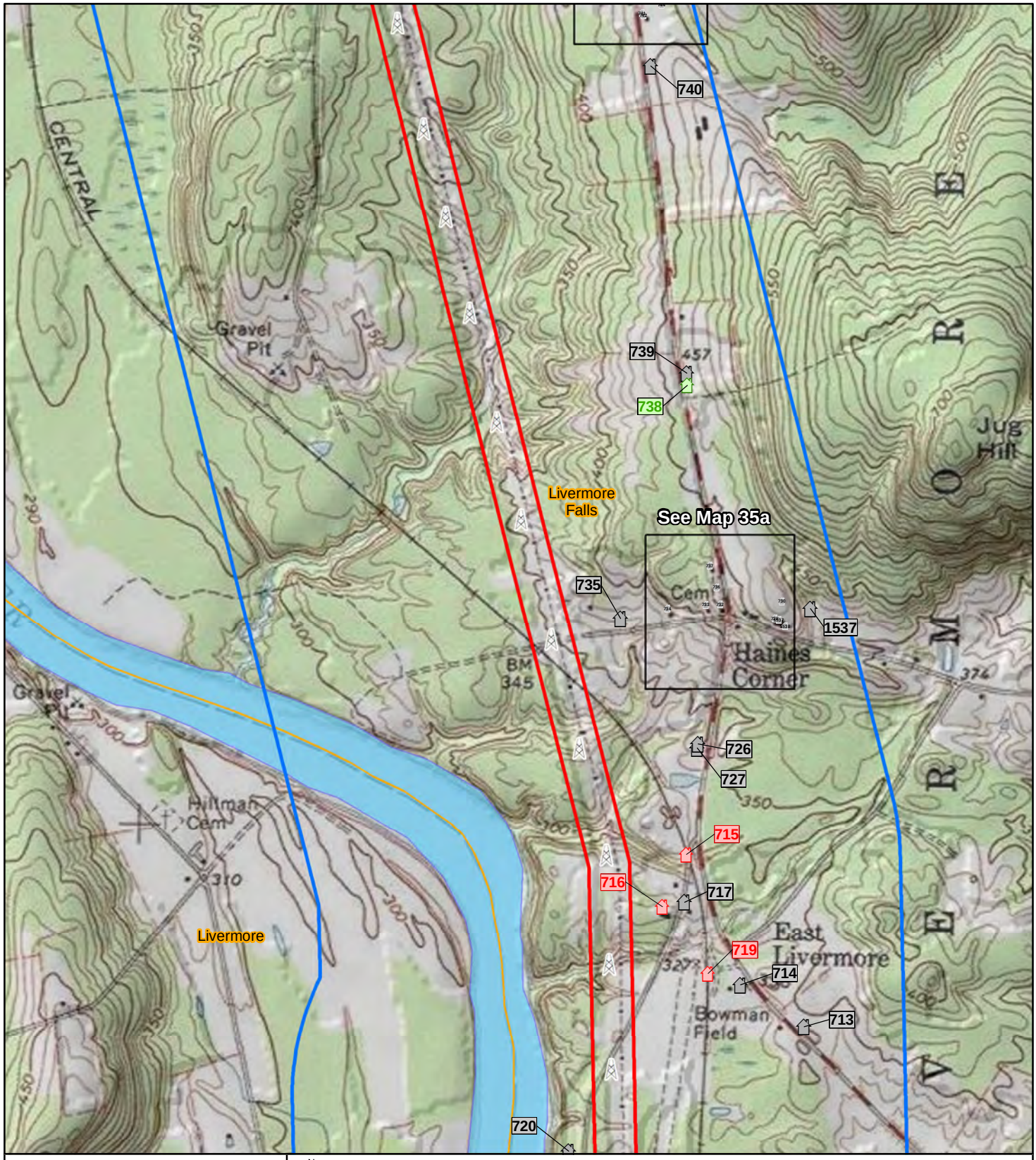
Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 35 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Livermore Falls Quadrangle

Androscoggin County

NECEC Structure

Direct APE

Indirect APE/Survey Boundaries

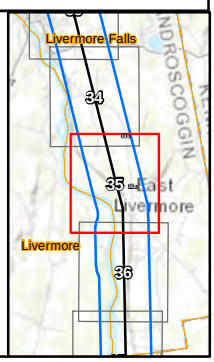
Town Boundary

NRHP Status/Recommendation

Listed/Eligible

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 35a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

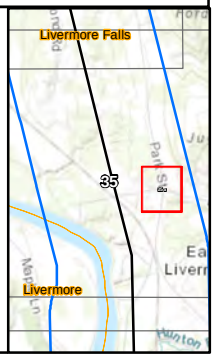
Androscoggin County

Indirect APE/Survey Boundaries

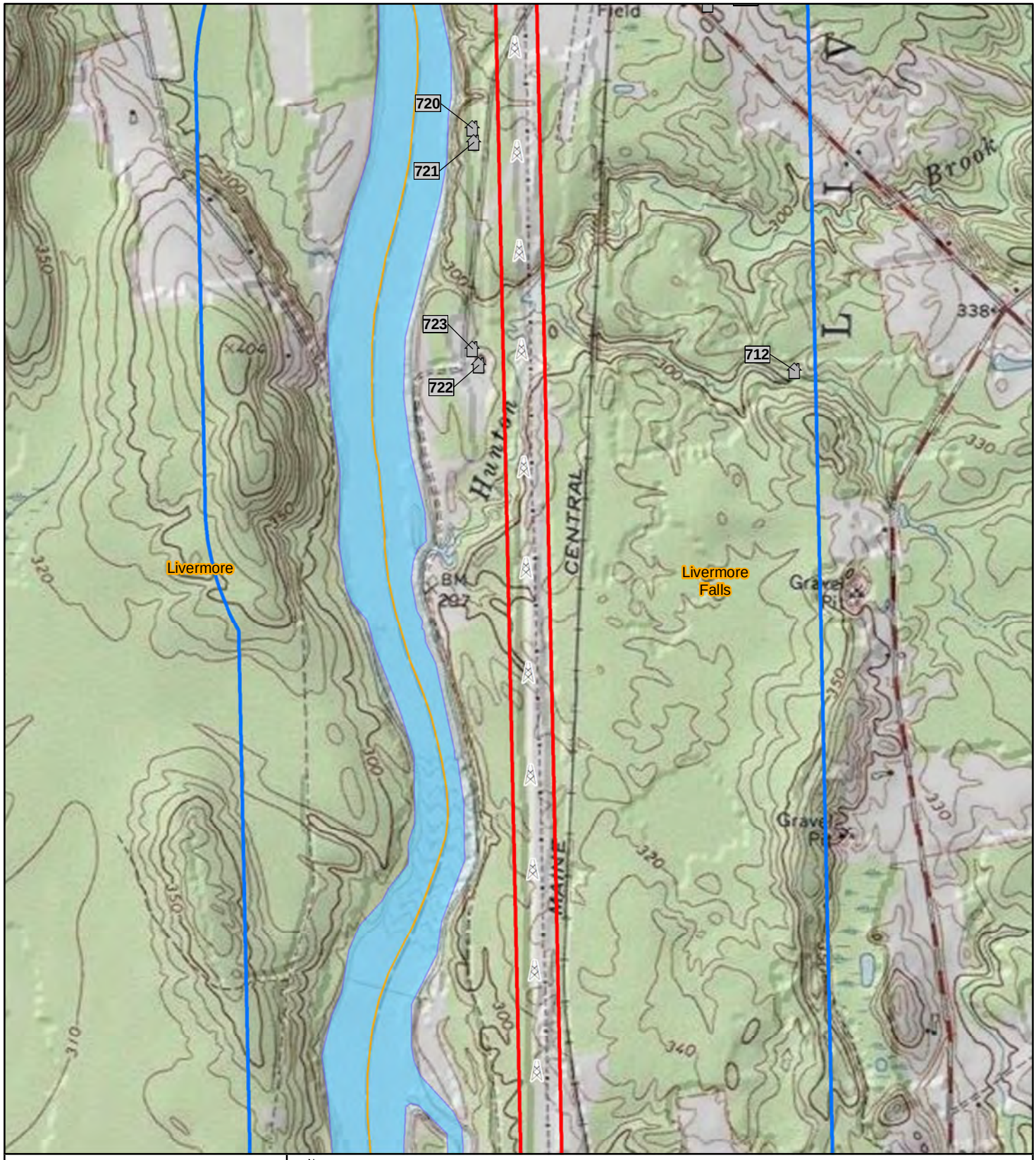
Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 36 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Livermore Falls Quadrangle

Androscoggin County

NECEC Structure

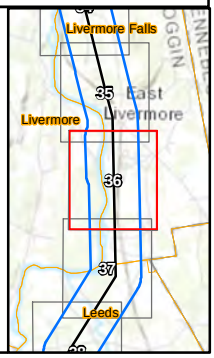
Direct APE

Indirect APE/Survey Boundaries

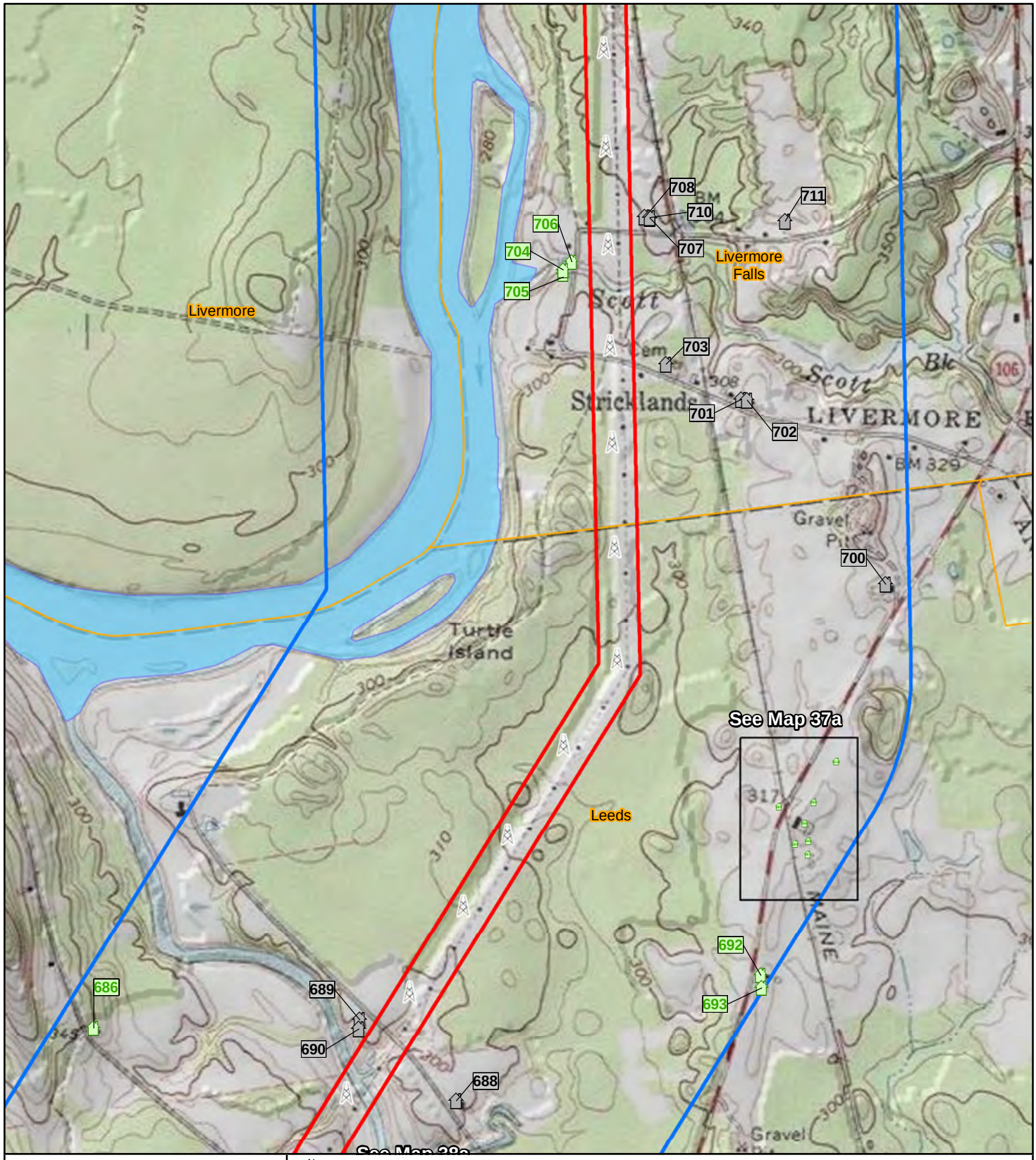
Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 37 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Turner Center Quadrangle

Androscoggin County

NECEC Structure

Direct APE

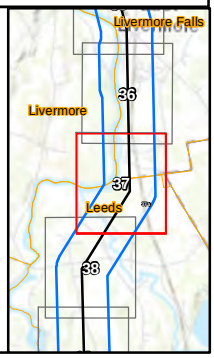
Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Potentially Eligible

Not Eligible



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 37a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

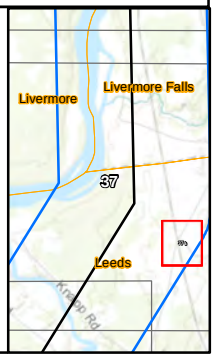
Androscoggin County

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Potentially Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 38 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Turner Center Quadrangle

Androscoggin County

NECEC Structure

Direct APE

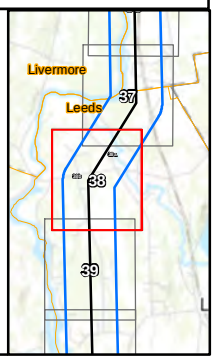
Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 38a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Androscoggin County

NECEC Structure

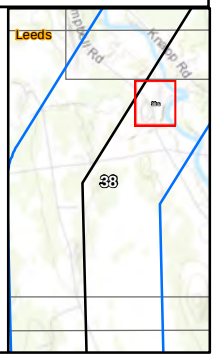
Direct APE

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 38b

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

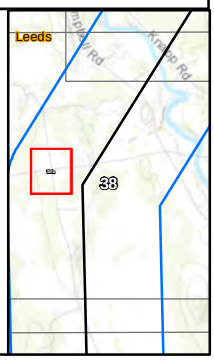
Androscoggin County

Indirect APE/Survey Boundaries

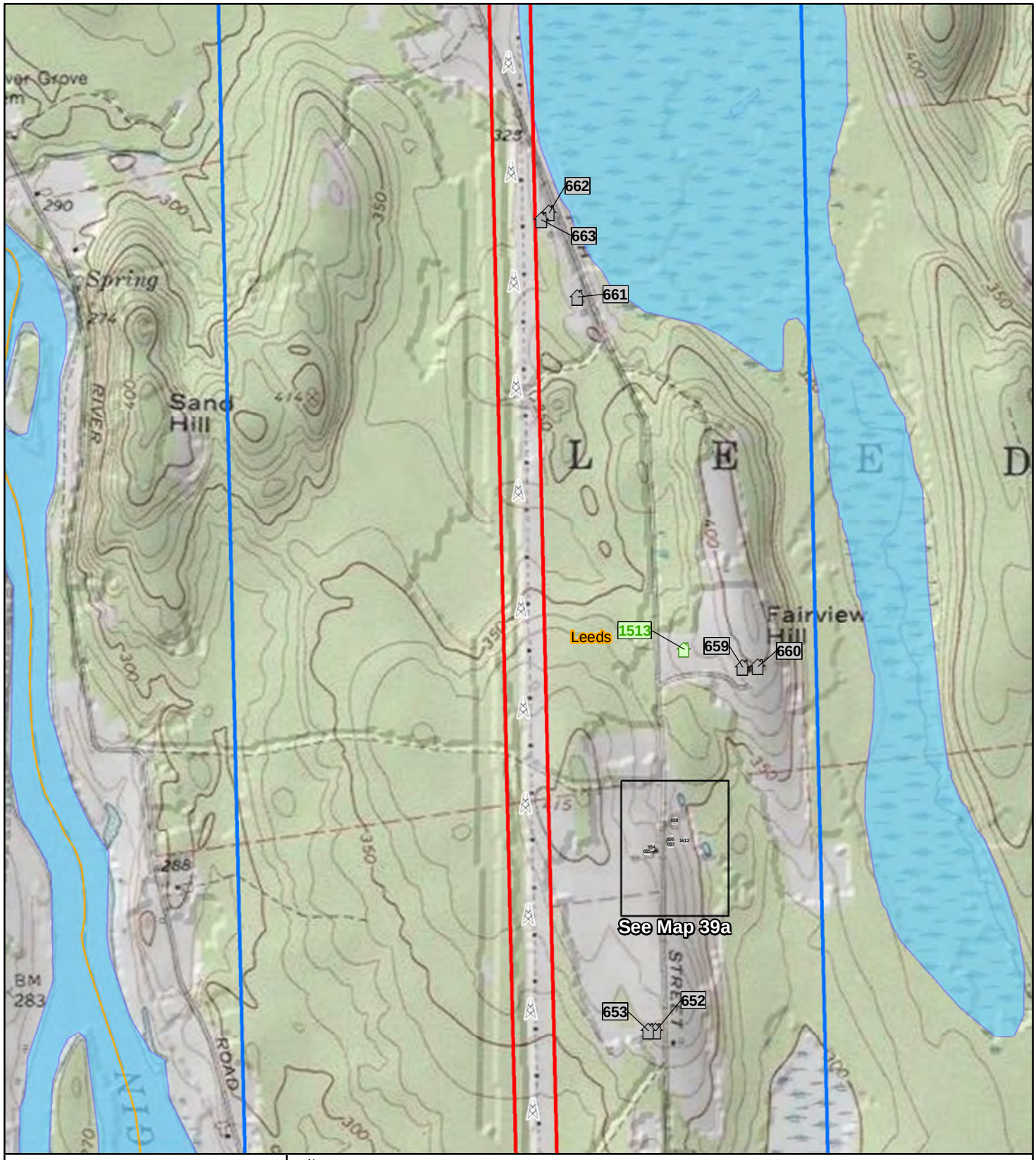
Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 39 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Turner Center Quadrangle

Androscoggin County

NECEC Structure

Direct APE

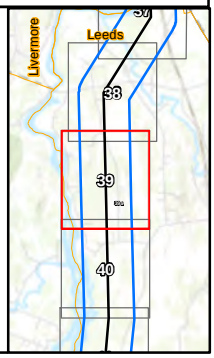
Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 39a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

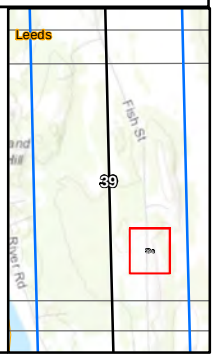
Androscoggin County

Indirect APE/Survey Boundaries

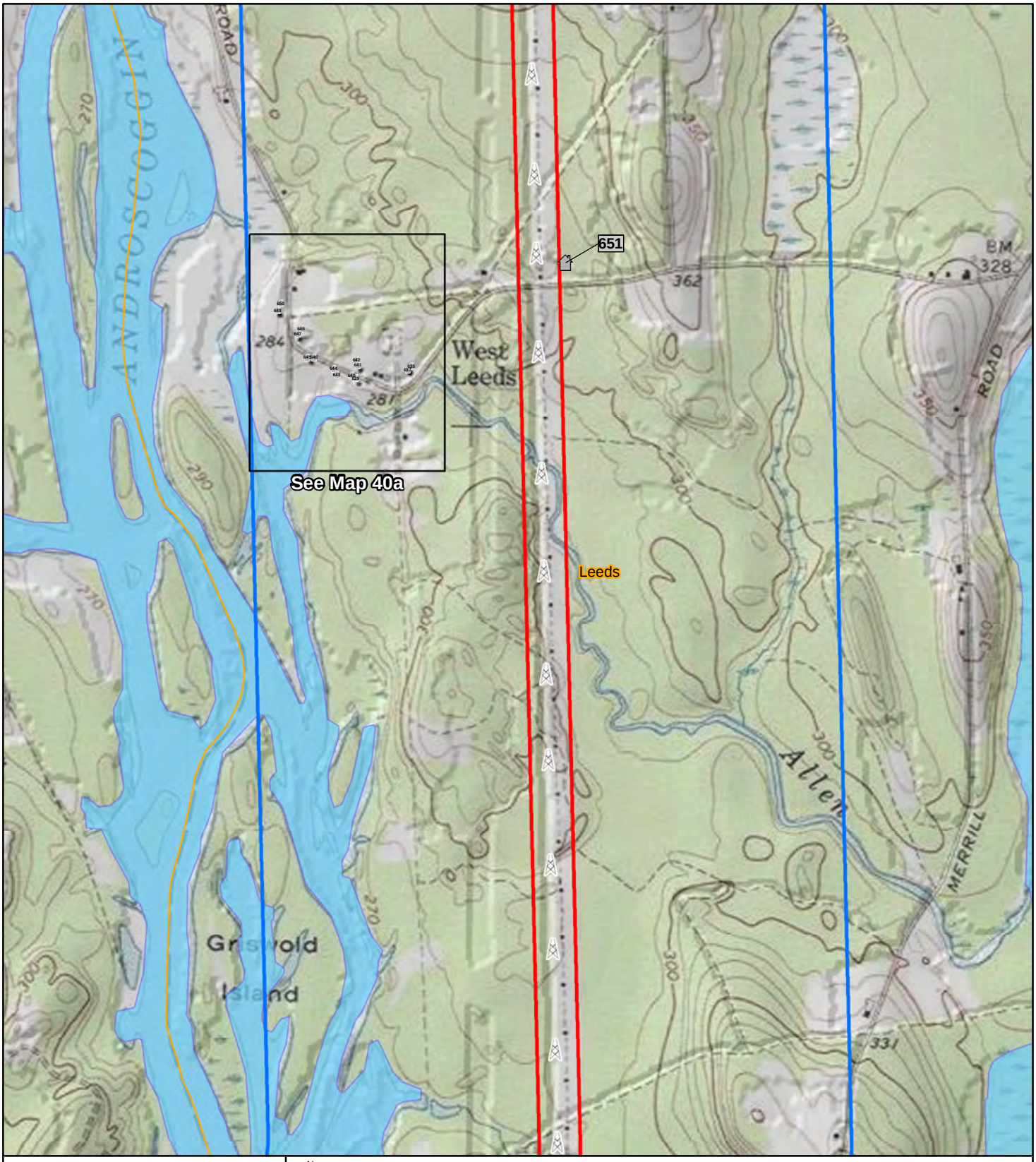
Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 40 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Turner Center Quadrangle

Androscoggin County

NECEC Structure

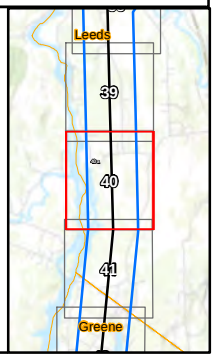
Direct APE

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 40a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

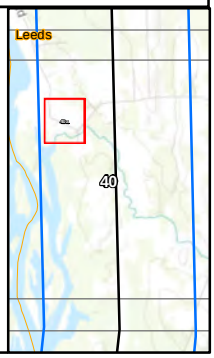
Androscoggin County

Indirect APE/Survey Boundaries

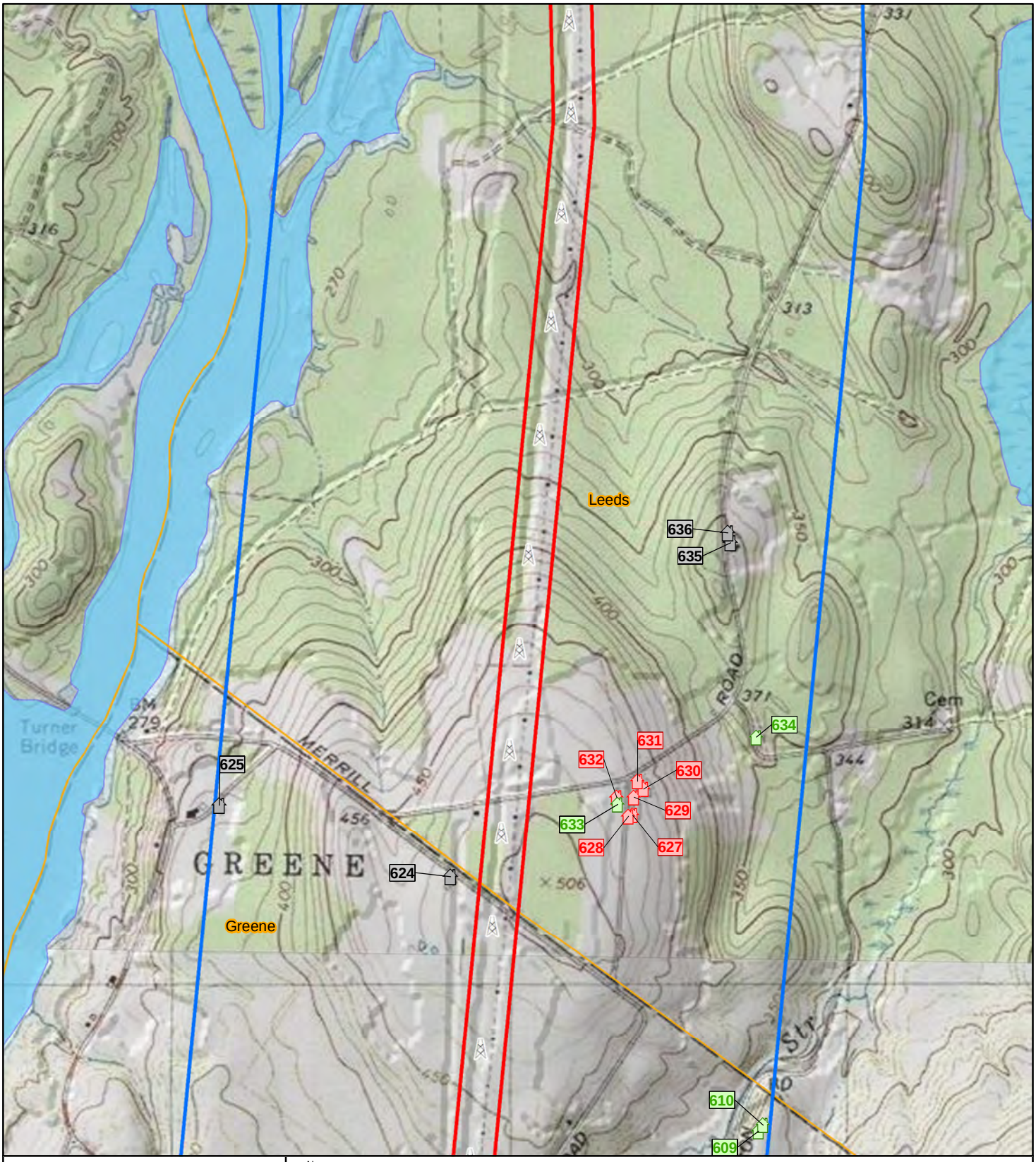
Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 41 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Turner Center Quadrangle

Androscoggin County

NECEC Structure

Direct APE

Indirect APE/Survey Boundaries

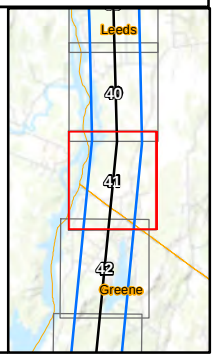
Town Boundary

NRHP Status/Recommendation

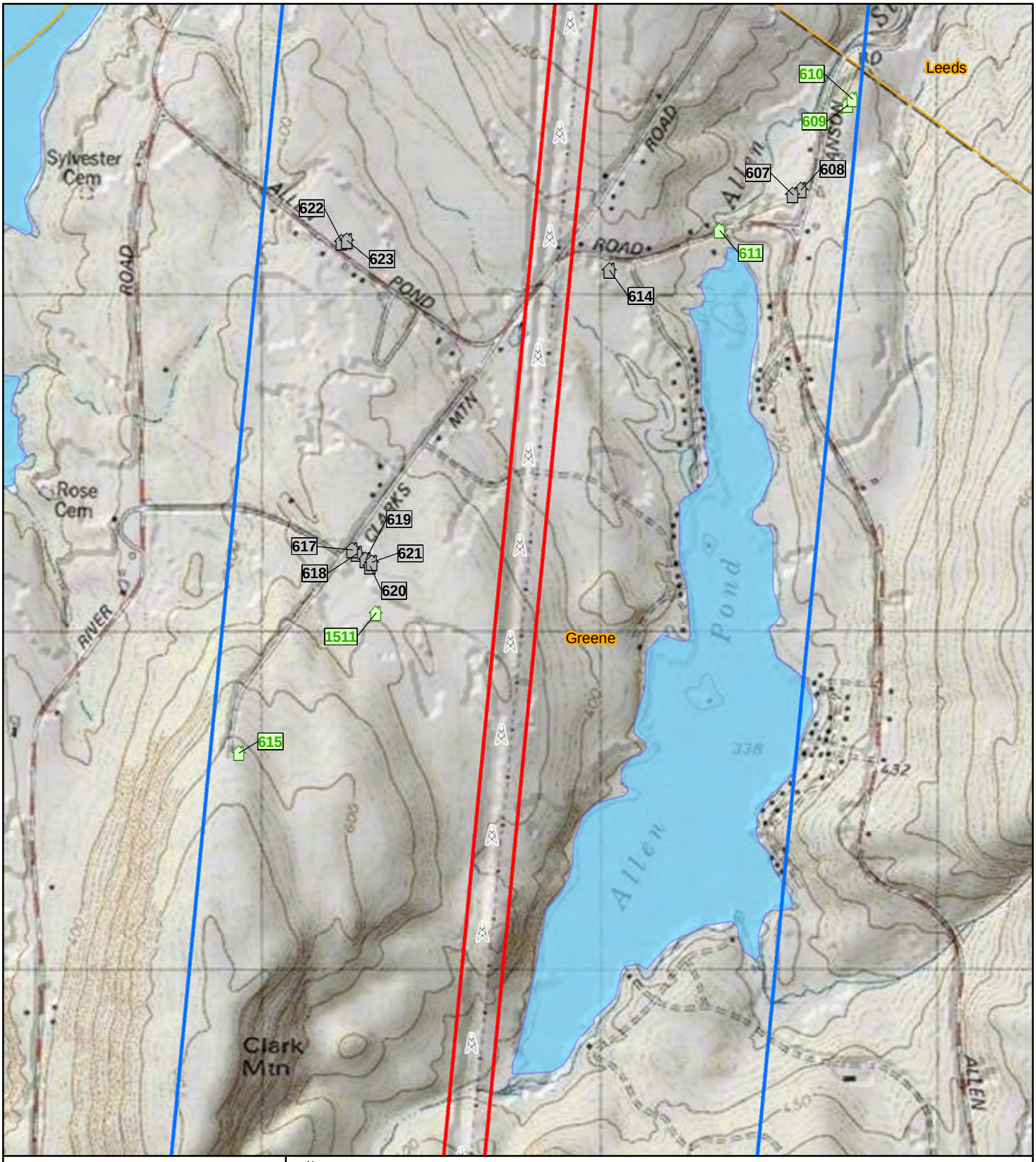
Listed/Eligible

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 42 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Lake Auburn East Quadrangle

Androscoggin County

NECEC Structure

Direct APE

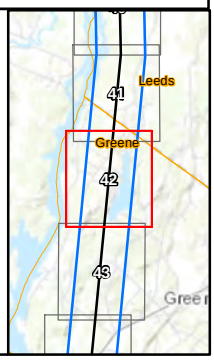
Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 43 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Lake Auburn East Quadrangle

Androscoggin County

NECEC Structure

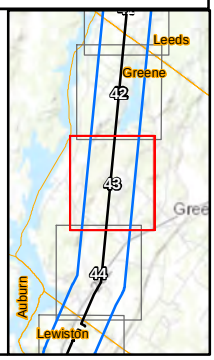
Direct APE

Indirect APE/Survey Boundaries

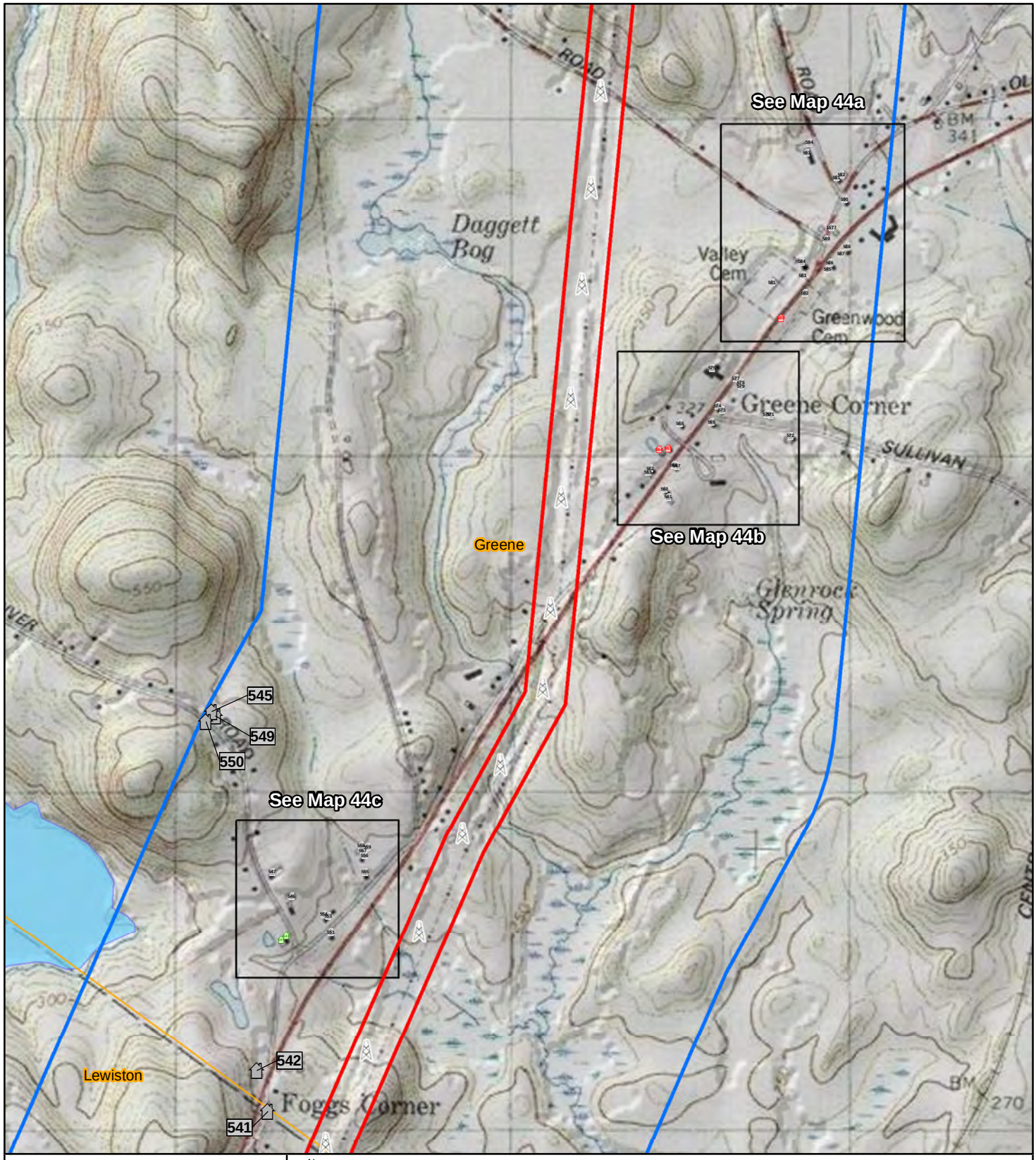
Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 44 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Lake Auburn East Quadrangle

Androscoggin County

NECEC Structure

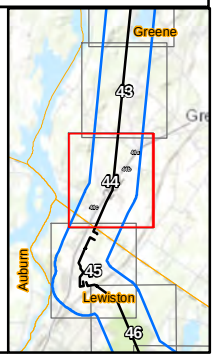
Direct APE

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 44a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Androscoggin County

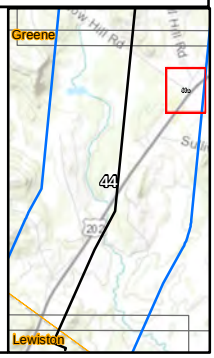
Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Listed/Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MCDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 44b

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Androscoggin County

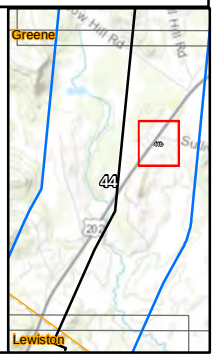
Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Listed/Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 44c

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Androscoggin County

Direct APE

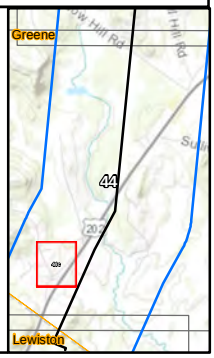
Indirect APE/Survey Boundaries

Town Boundary

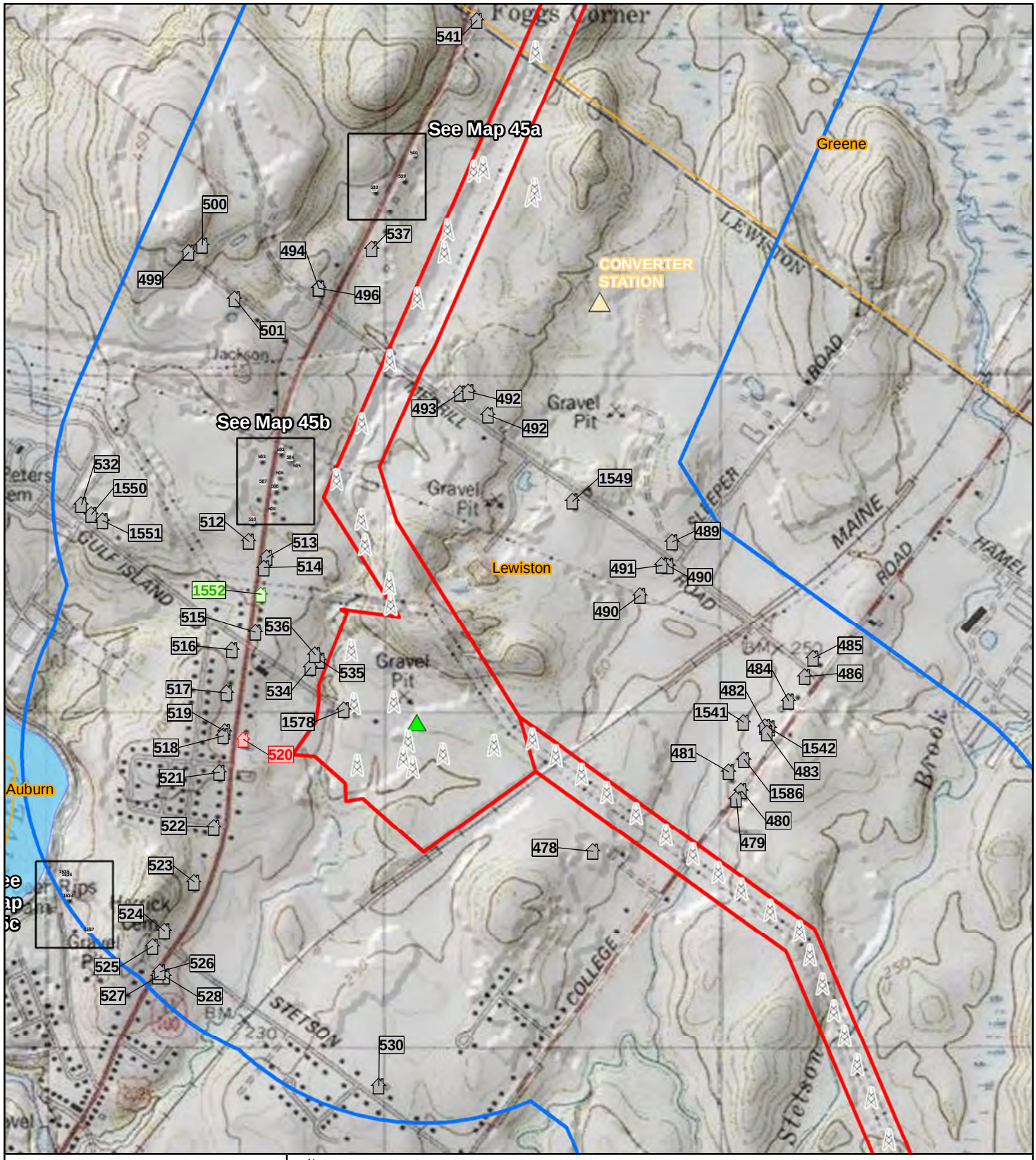
NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 45 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Lake Auburn East Quadrangle

Androscoggin County

NECEC Structure

Existing Substation

Proposed Substation

Direct APE

Indirect APE/Survey Boundaries

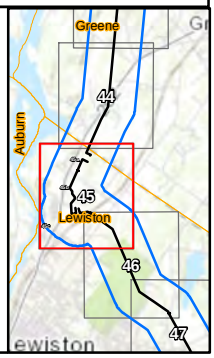
Town Boundary

NRHP Status/Recommendation

Listed/Eligible

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 45a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

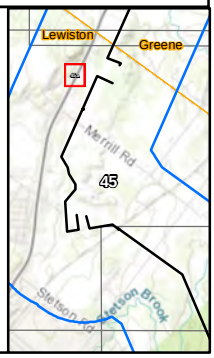
Somerset County

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 45b

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

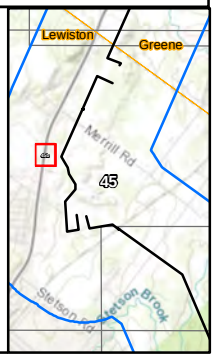
Somerset County

Indirect APE/Survey Boundaries

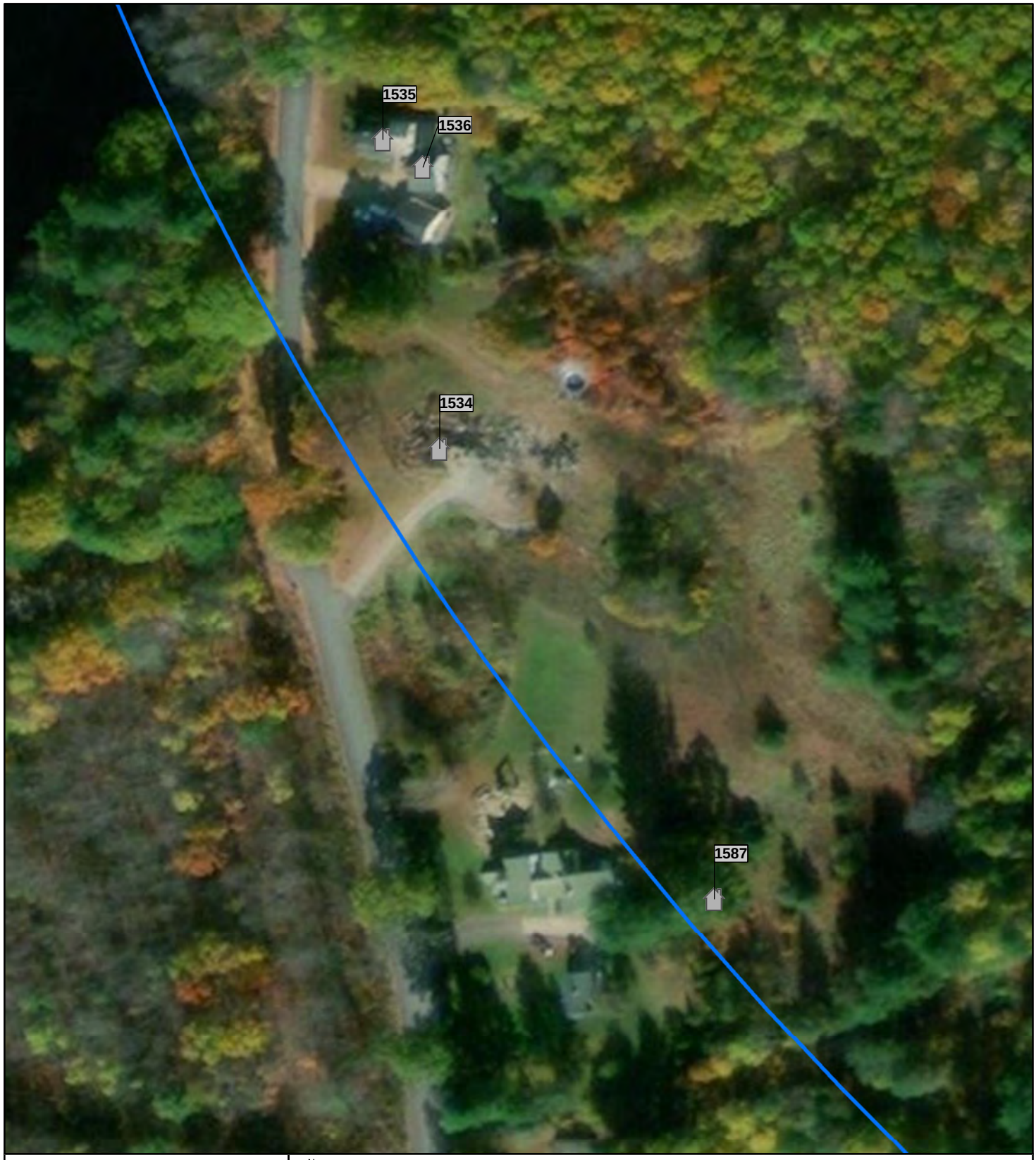
Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,200

20 10 0 20 Meters

Map 45c

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

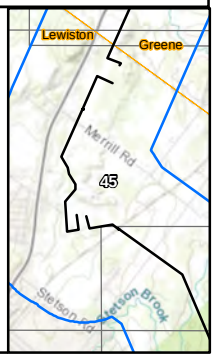
Somerset County

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 46 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Lake Auburn East Quadrangle

Androscoggin County

NECEC Structure

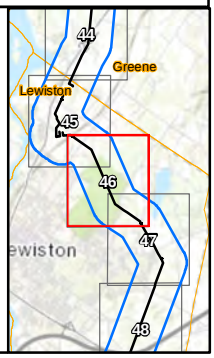
Direct APE

Indirect APE/Survey Boundaries

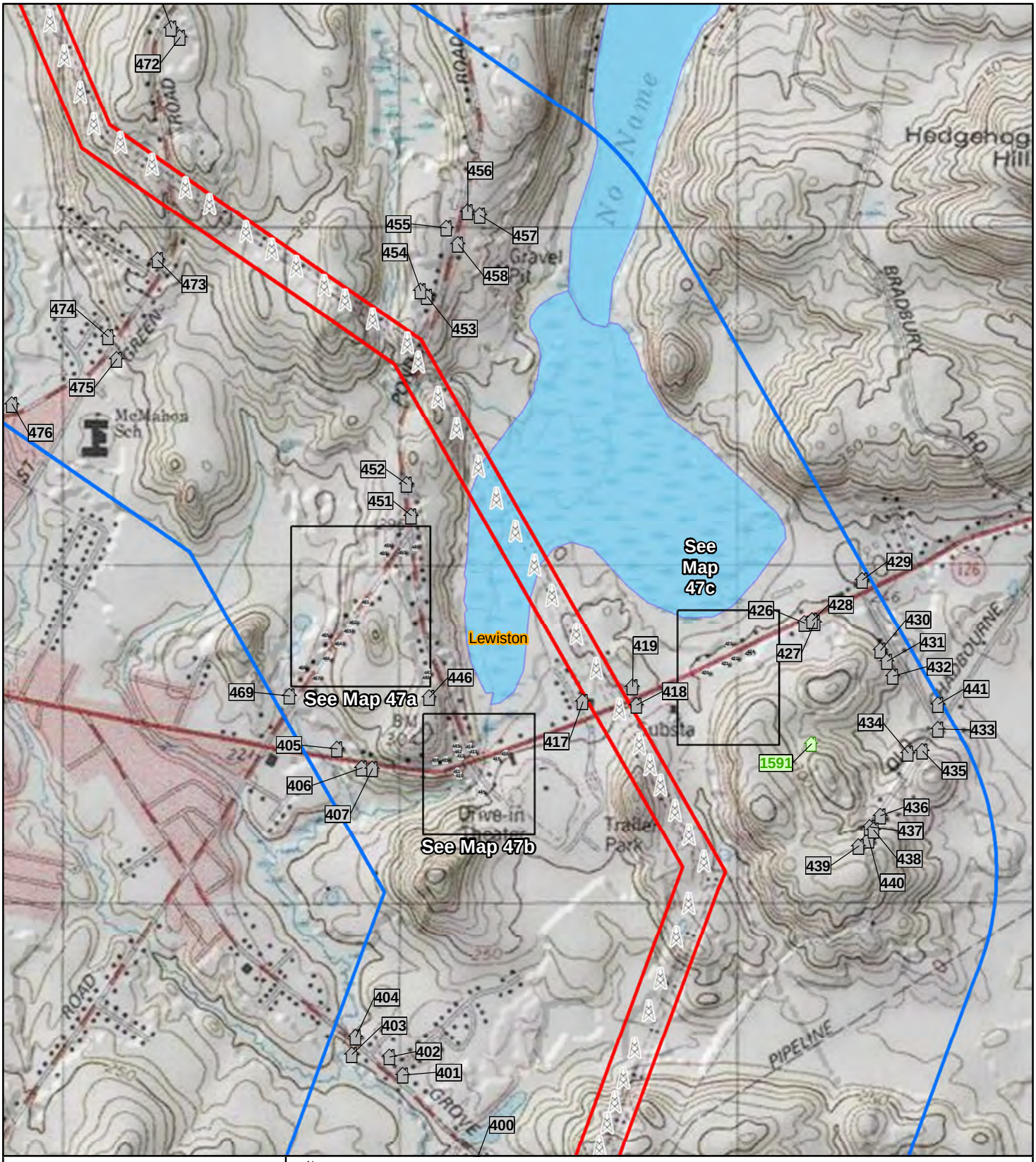
Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 47 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Lewiston Quadrangle

Androscoggin County

NECEC Structure

Direct APE

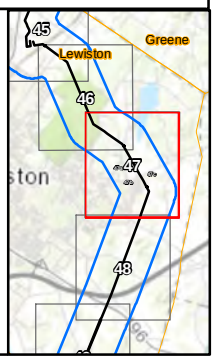
Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 47a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

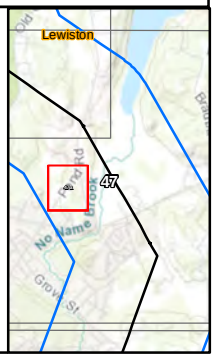
Androscoggin County

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 47b

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

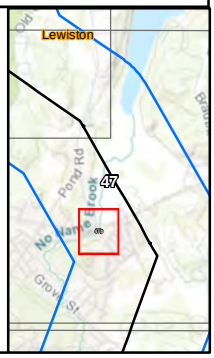
Androscoggin County

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 47c

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Androscoggin County

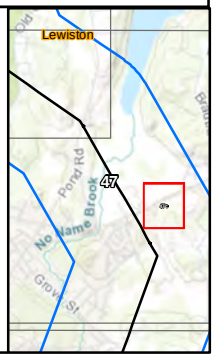
Direct APE

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MCDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 48 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Lewiston Quadrangle

Androscoggin County

NECEC Structure

Existing Substation

Direct APE

Indirect APE/Survey Boundaries

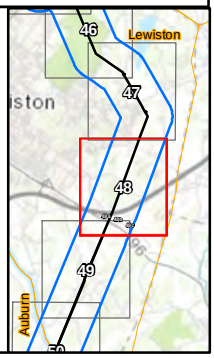
Town Boundary

NRHP Status/Recommendation

Listed/Eligible

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 48a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Androscoggin County

NECEC Structure

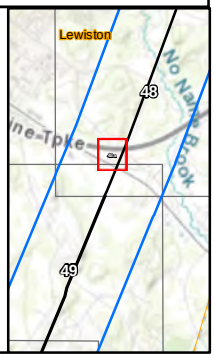
Direct APE

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 48b

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Androscoggin County

Direct APE

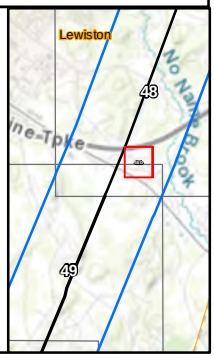
Indirect APE/Survey Boundaries

Town Boundary

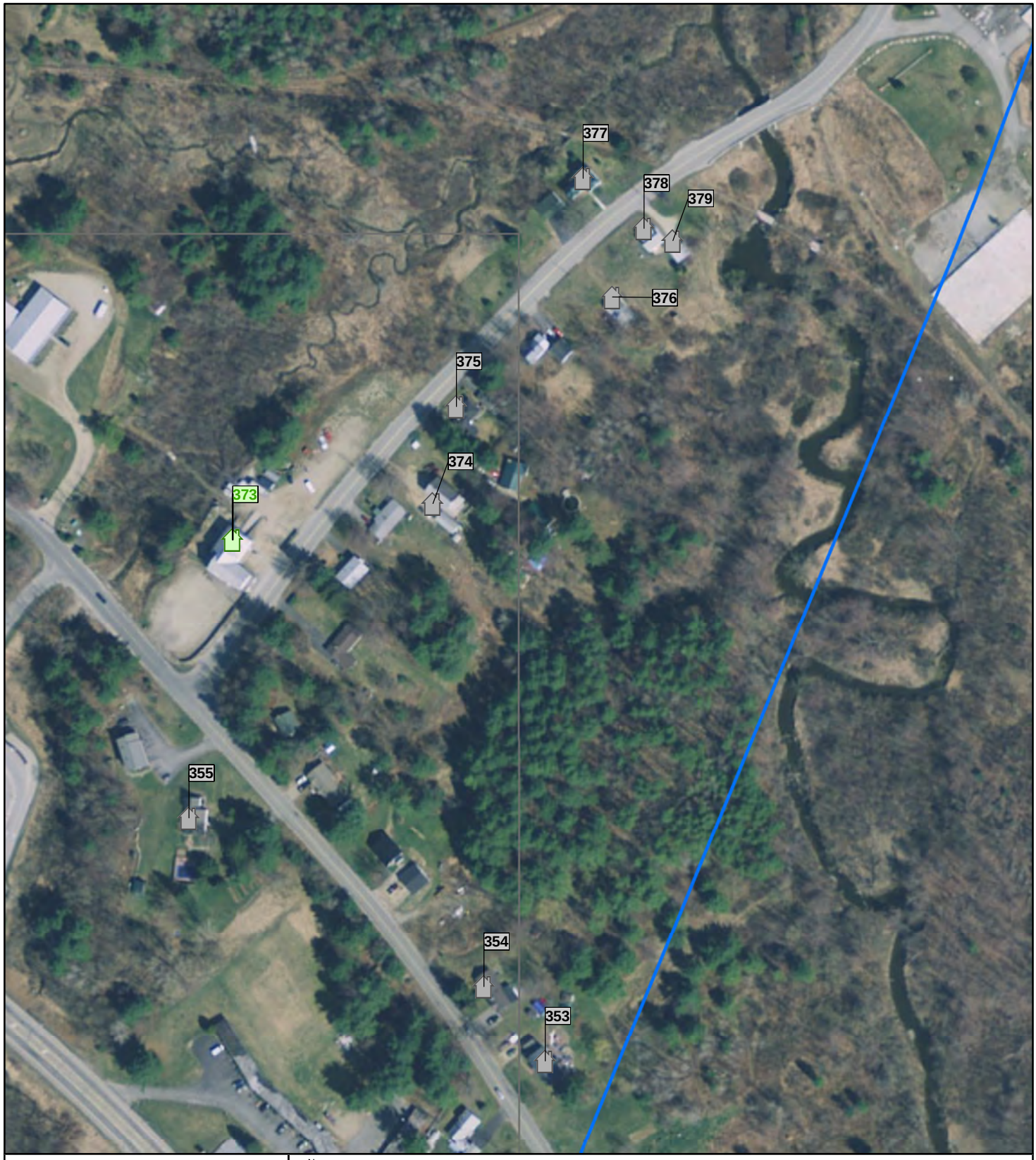
NRHP Status/Recommendation

Listed/Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MCDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 48c

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Androscoggin County

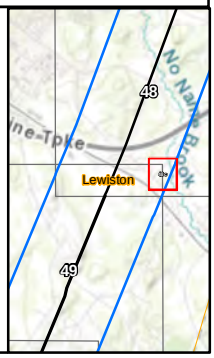
Indirect APE/Survey Boundaries

Town Boundary

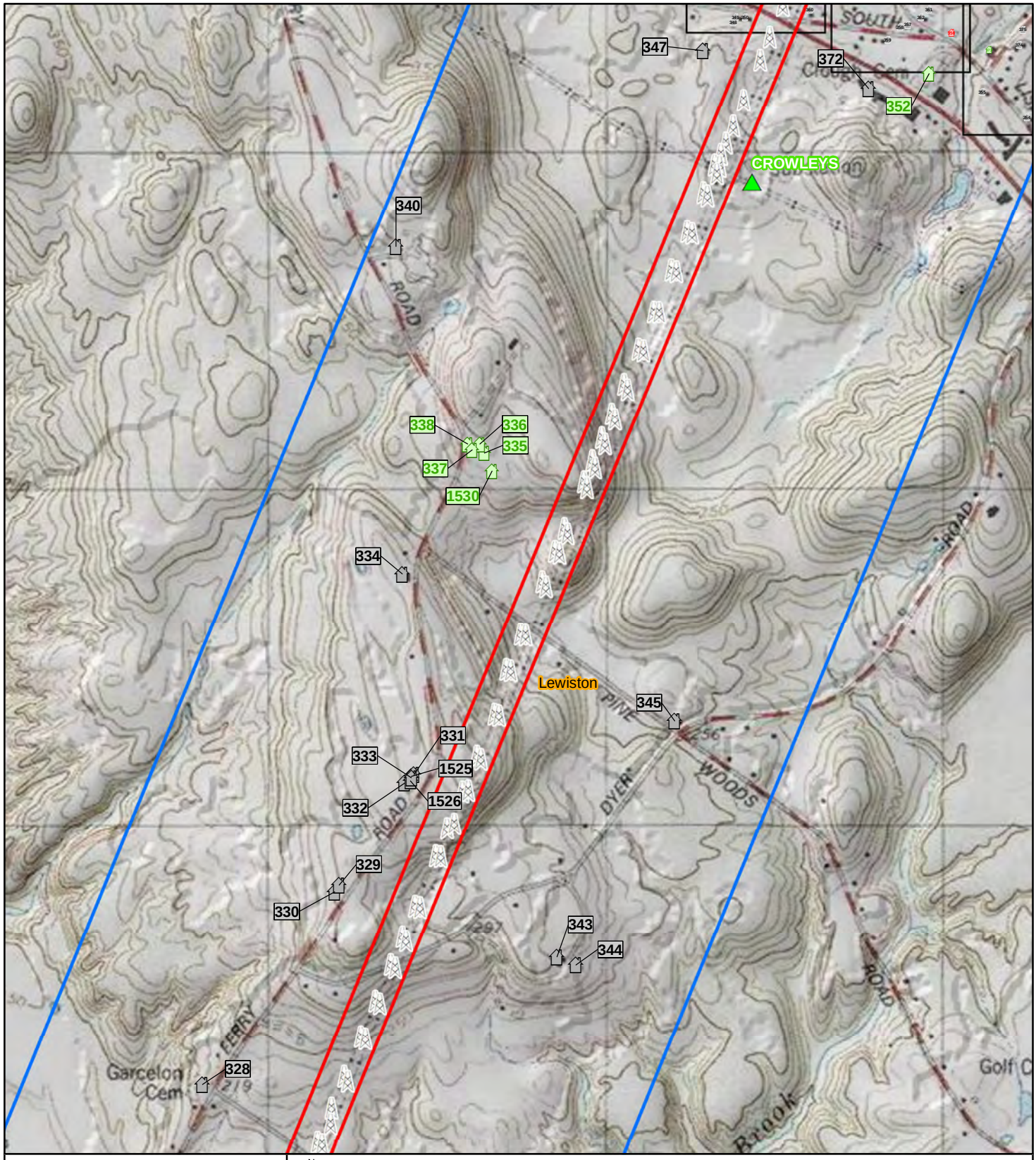
NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 49 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Lewiston Quadrangle

Androscoggin County

NECEC Structure

Existing Substation

Direct APE

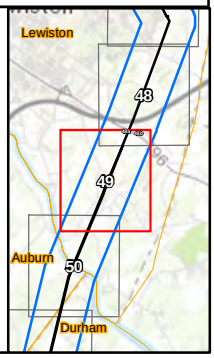
Indirect APE/Survey Boundaries

Town Boundary

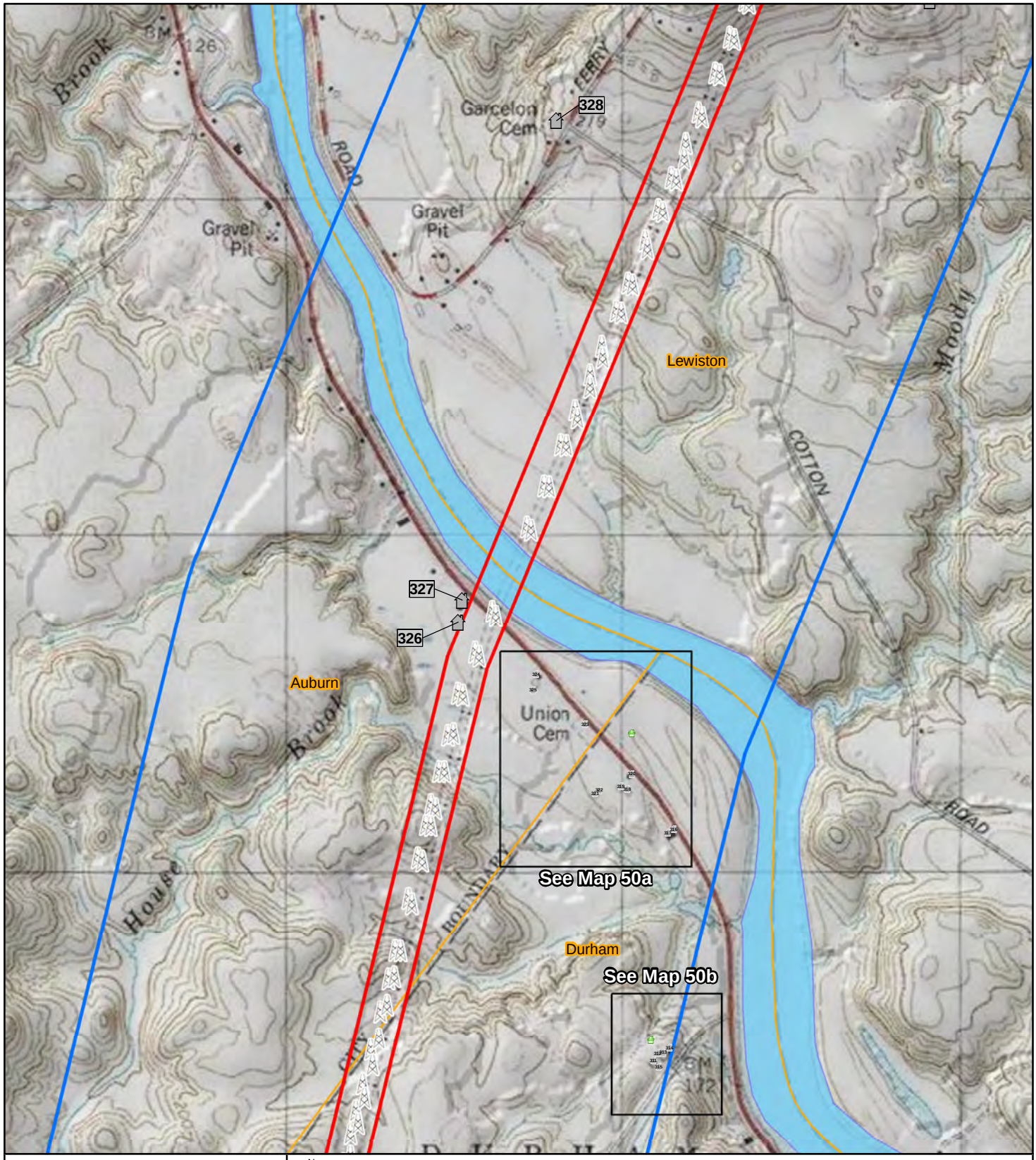
NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER – SEARCH – BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 50 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: Lewiston Quadrangle

Androscoggin County

NECEC Structure

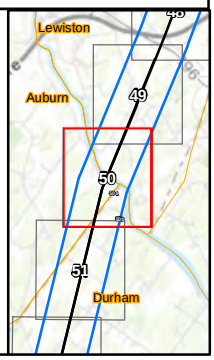
Direct APE

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 50a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Androscoggin County

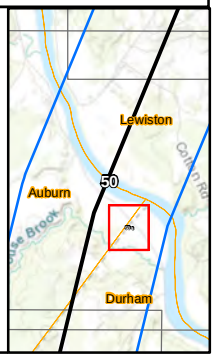
Indirect APE/Survey Boundaries

Town Boundary

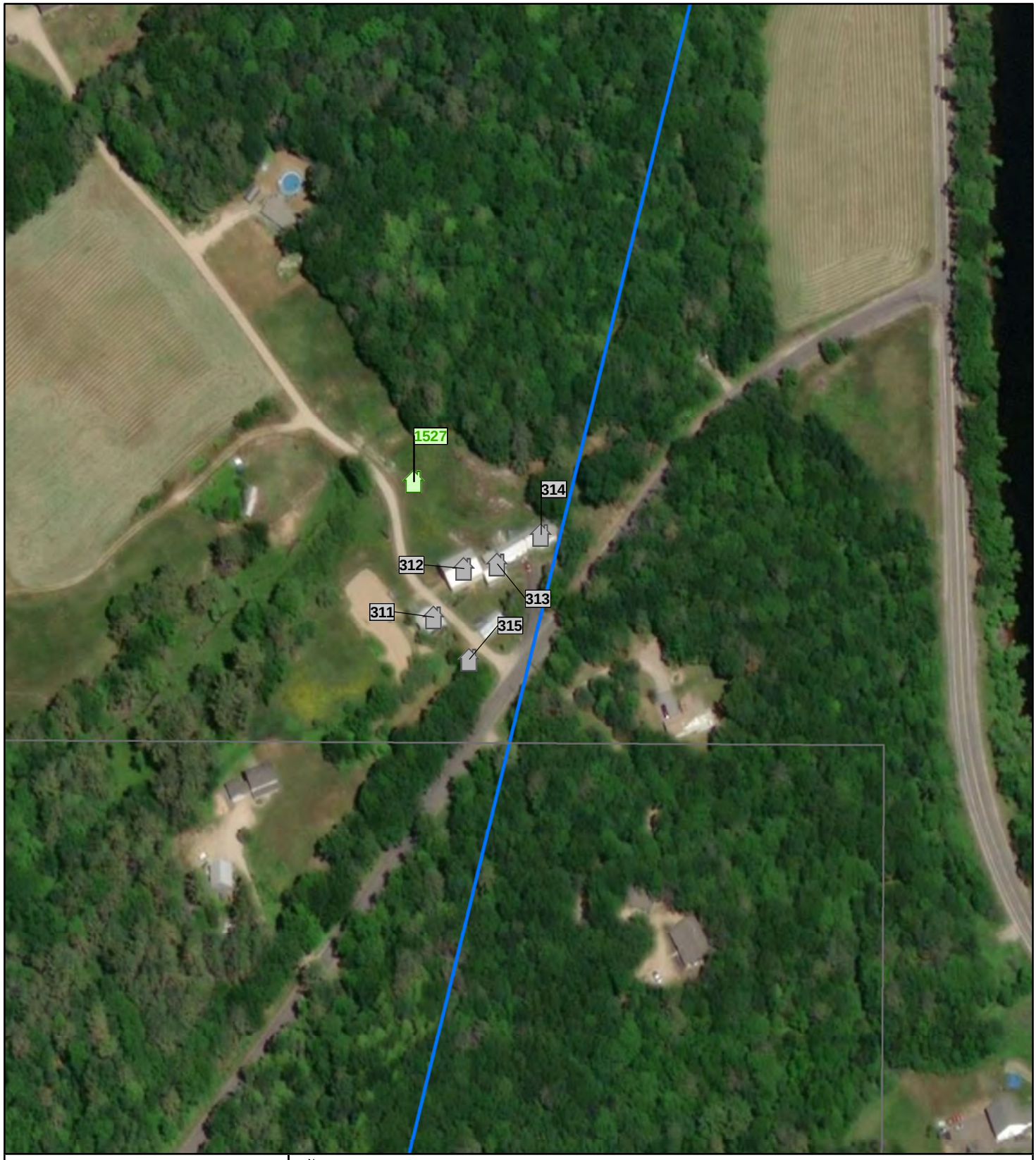
NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:2,400

40 20 0 40 Meters

Map 50b

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Androscoggin County

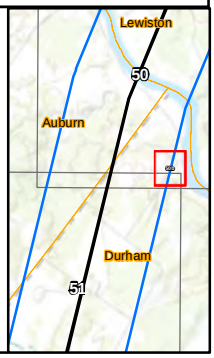
Indirect APE/Survey Boundaries

Town Boundary

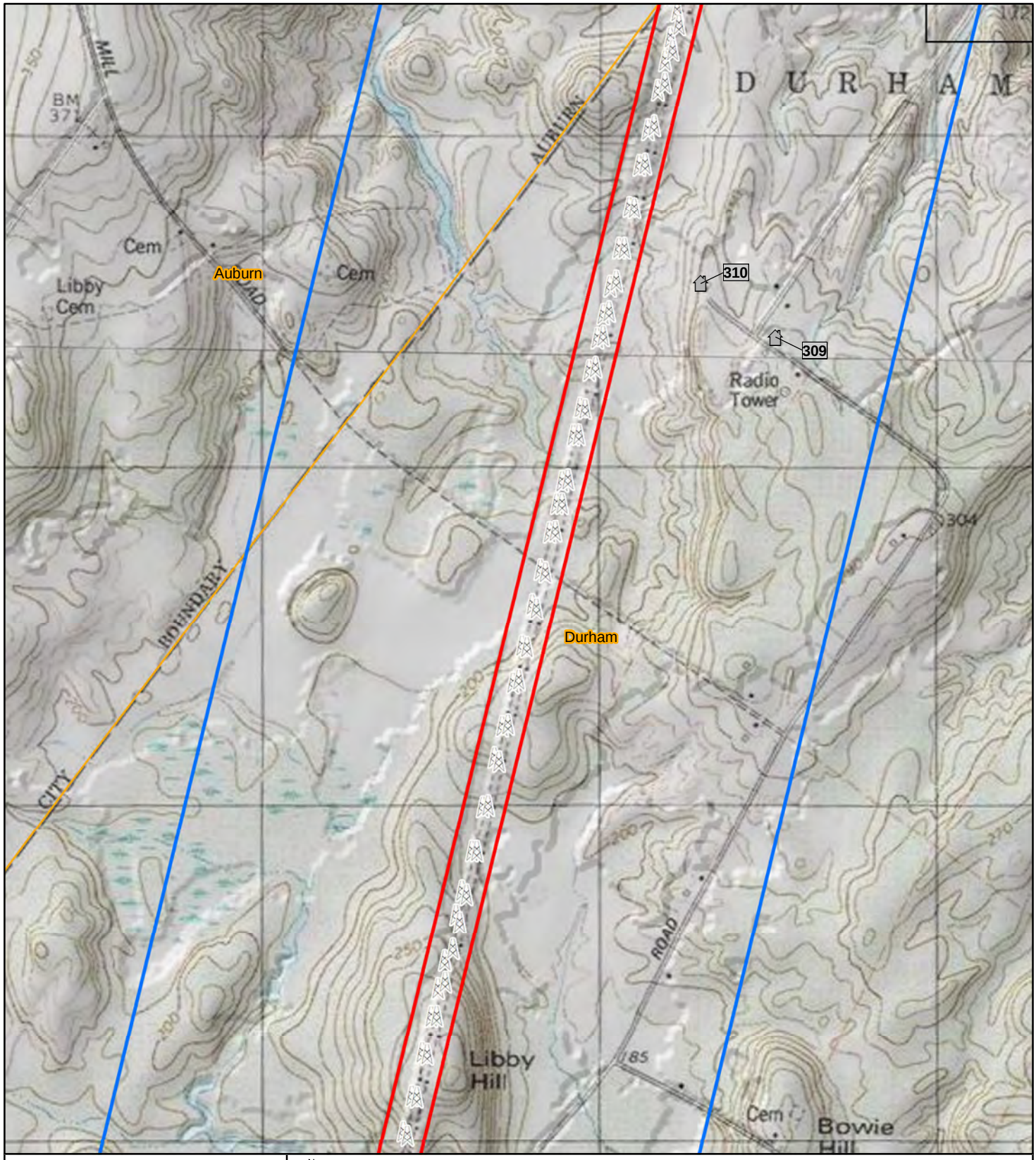
NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 51 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: North Pownal Quadrangle

Androscoggin County

NECEC Structure

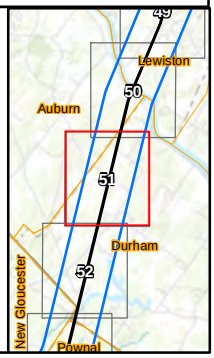
Direct APE

Indirect APE/Survey Boundaries

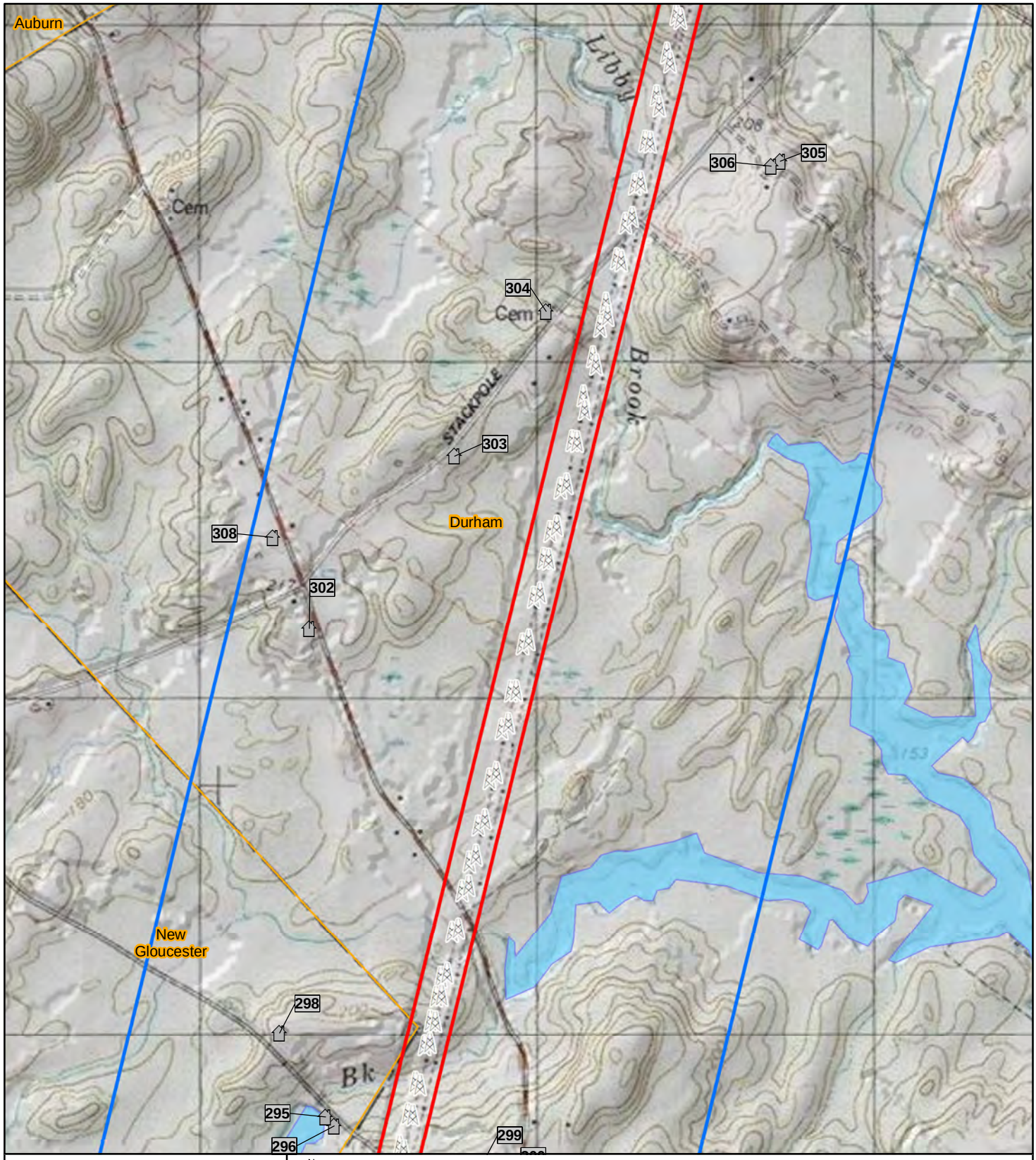
Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 52 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: North Pownal Quadrangle

Cumberland and Androscoggin County

NECEC Structure

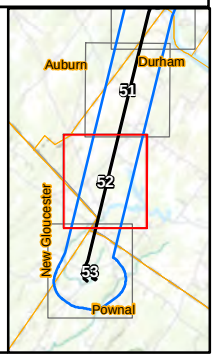
Direct APE

Indirect APE/Survey Boundaries

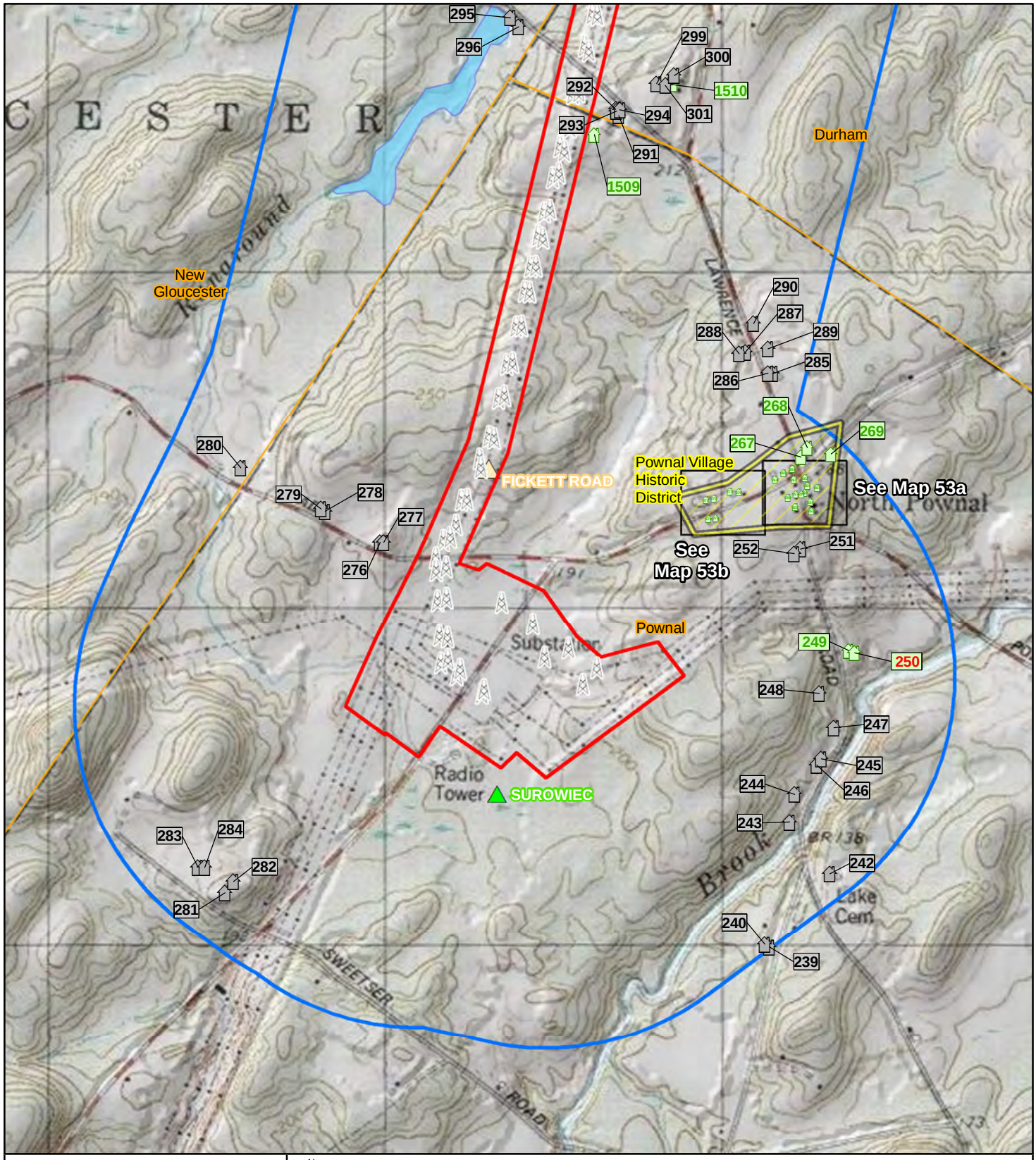
Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 53 of 68

Above Ground Historic Resources within the NECEC Survey Area

7.5' USGS Topographic Map: North Pownal Quadrangle

Cumberland and Androscoggin County

NECEC Structure

Existing Substation

Proposed Substation

Direct APE

Indirect APE/Survey Boundaries

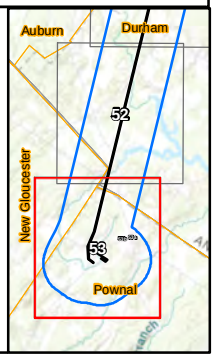
Town Boundary

Historic District

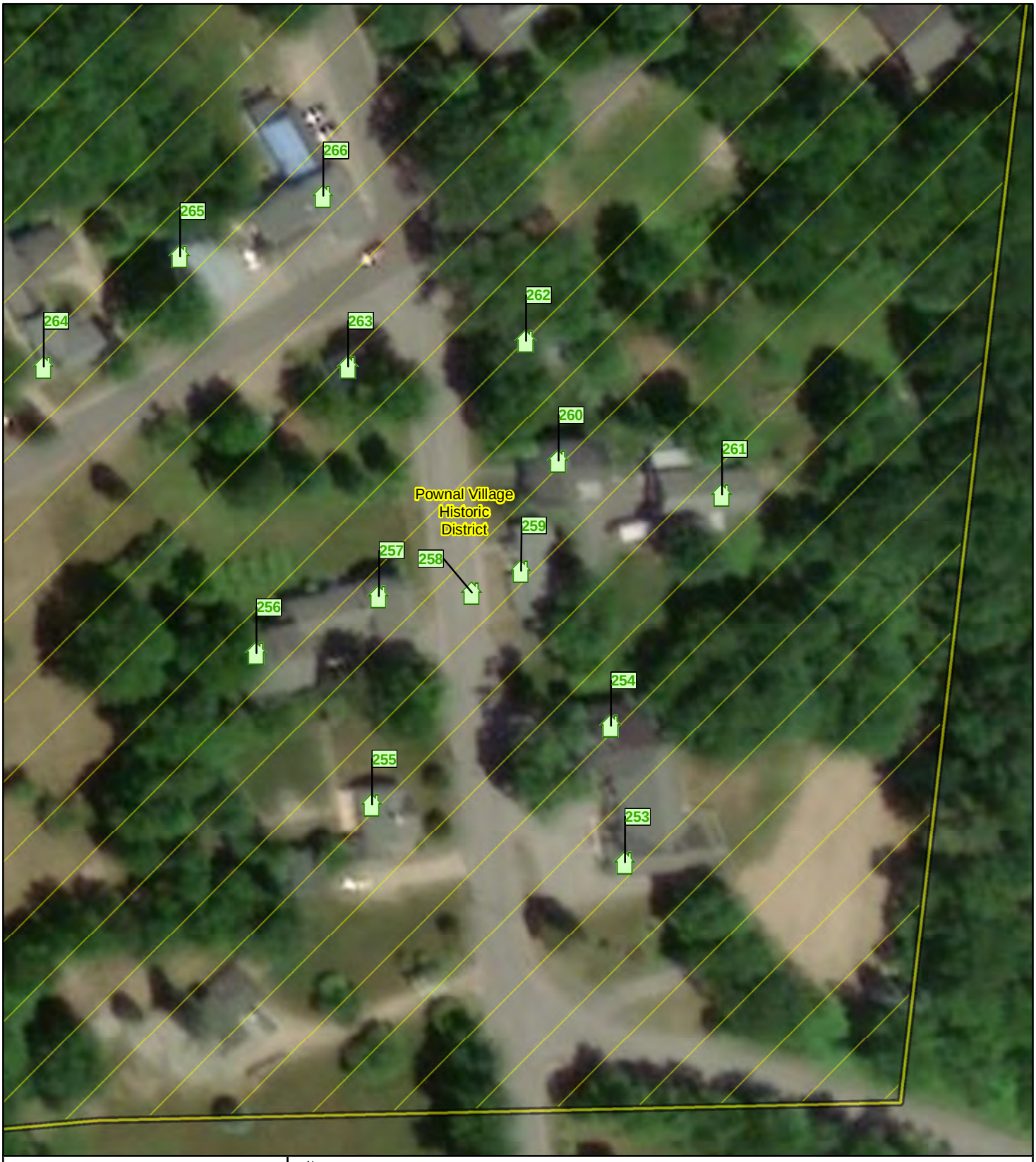
NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,000

10 5 0 10 Meters

Map 53a

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Cumberland County

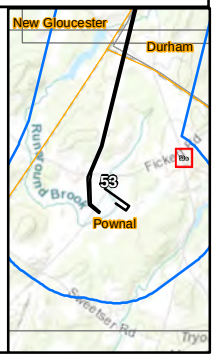
Indirect APE/Survey Boundaries

Town Boundary

Historic District

NRHP Status/Recommendation

Potentially Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:1,000

10 5 0 10 Meters

Map 53b

Above Ground Historic Resources within the NECEC Survey Area

Aerial Imagery: ESRI World Imagery

Cumberland County

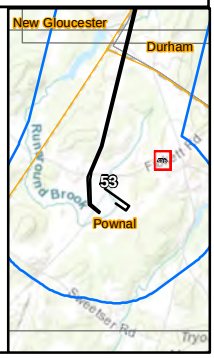
Indirect APE/Survey Boundaries

Town Boundary

Historic District

NRHP Status/Recommendation

Potentially Eligible



CENTRAL MAINE POWER - SEARCH - BURNS & McDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 54 of 68

Topographic Map Depicting Previously and Newly Recorded Above Ground

7.5' USGS Topographic Map: Westport Quadrangle

Lincoln County

Existing Substation

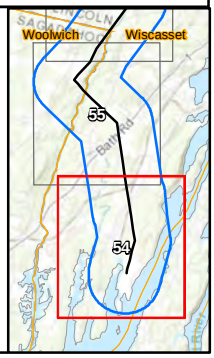
Direct APE

Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 55 of 68

Topographic Map Depicting Previously and Newly Recorded Above Ground

7.5' USGS Topographic Map: Westport Quadrangle

Lincoln and Sagadahoc County

NECEC Structure

Direct APE

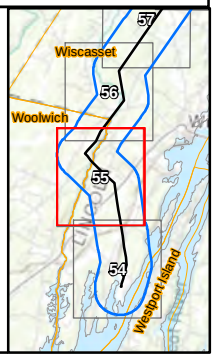
Indirect APE/Survey Boundaries

Town Boundary

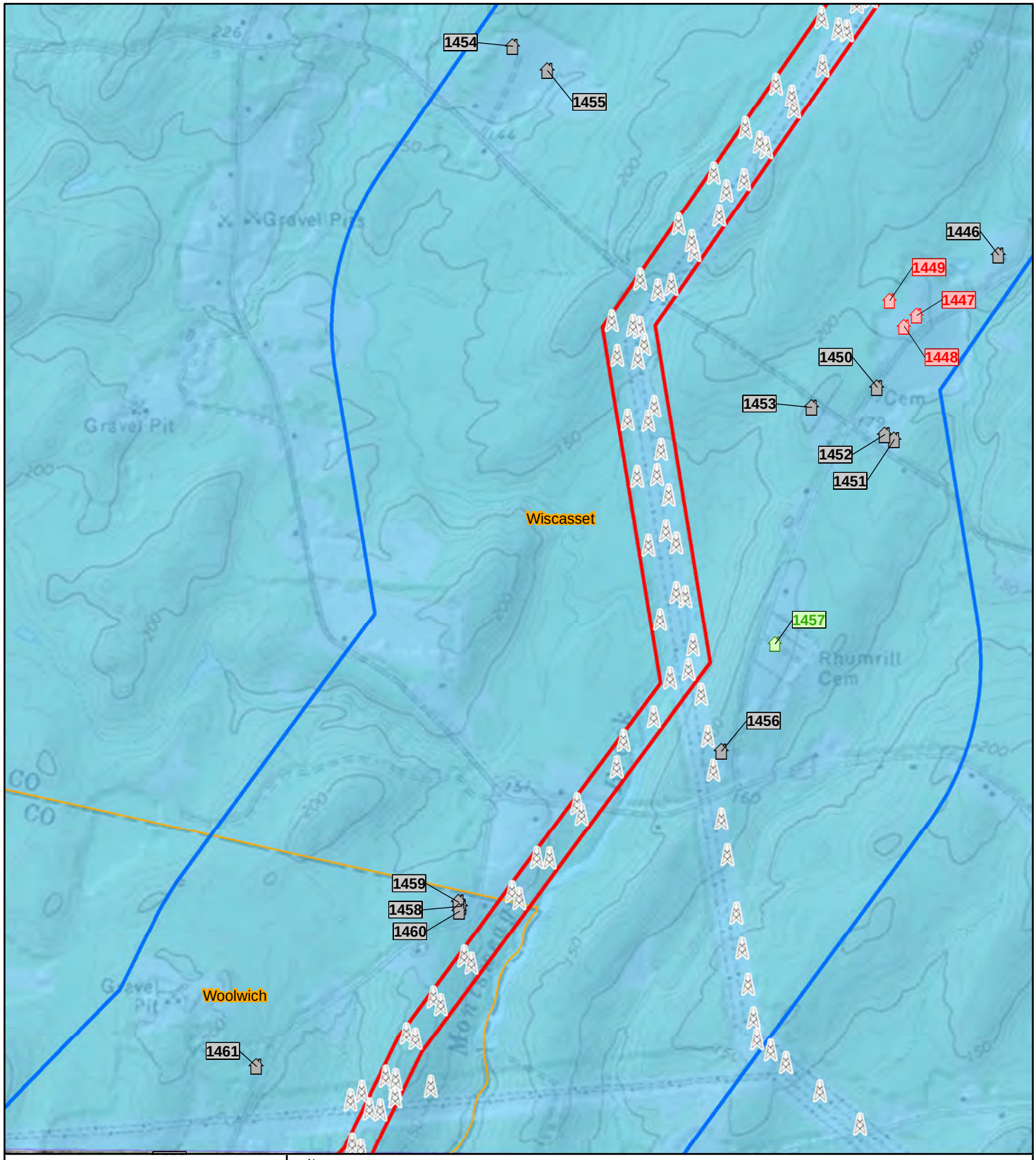
NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 56 of 68

Topographic Map Depicting Previously and Newly Recorded Above Ground

7.5' USGS Topographic Map: Wiscasset Quadrangle

Lincoln and Sagadahoc County

NECEC Structure

Direct APE

Indirect APE/Survey Boundaries

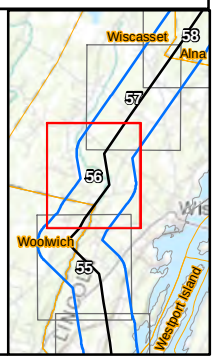
Town Boundary

NRHP Status/Recommendation

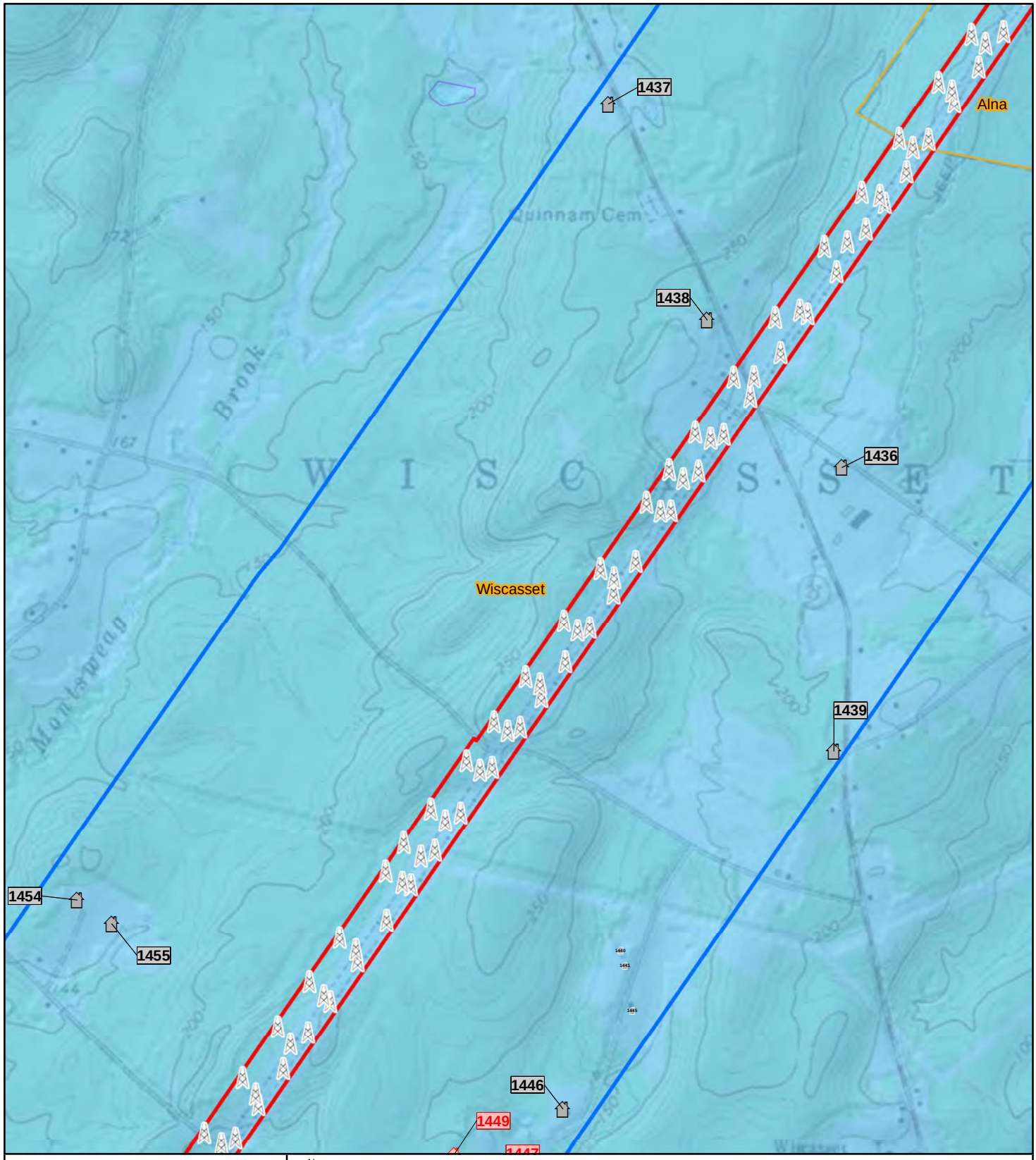
Listed/Eligible

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER – SEARCH – BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 57 of 68

Topographic Map Depicting Previously and Newly Recorded Above Ground

7.5' USGS Topographic Map: Wiscasset Quadrangle

Lincoln County

NECEC Structure

Direct APE

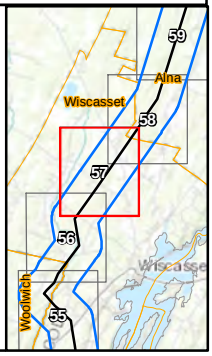
Indirect APE/Survey Boundaries

Town Boundary

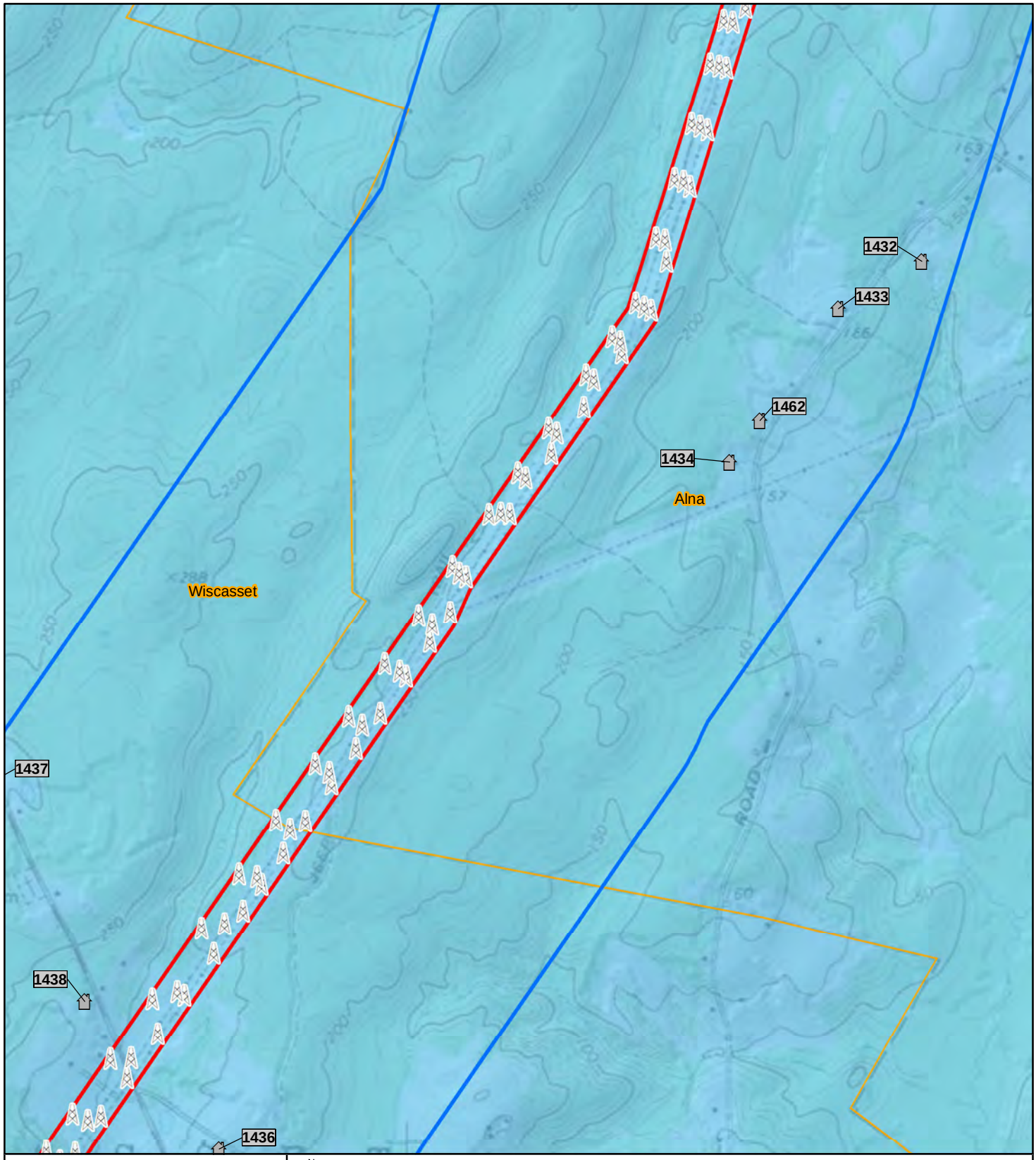
NRHP Status/Recommendation

Listed/Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 58 of 68

Topographic Map Depicting Previously and Newly Recorded Above Ground

7.5' USGS Topographic Map: Wiscasset Quadrangle

Lincoln County

NECEC Structure

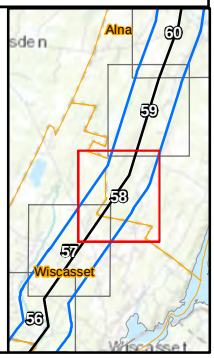
Direct APE

Indirect APE/Survey Boundaries

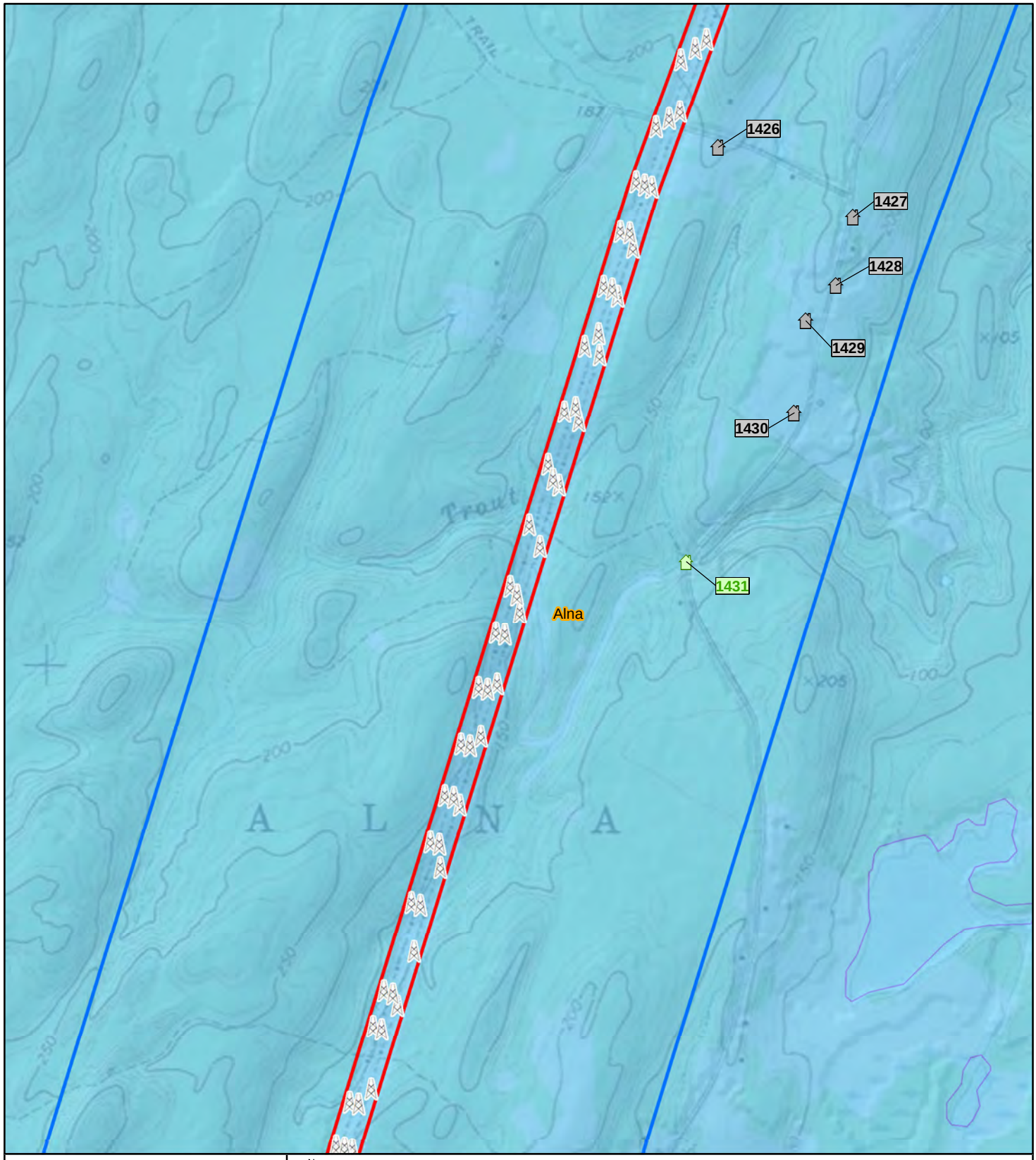
Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 59 of 68

Topographic Map Depicting Previously and Newly Recorded Above Ground

7.5' USGS Topographic Map: Wiscasset Quadrangle

Lincoln County

NECEC Structure

Direct APE

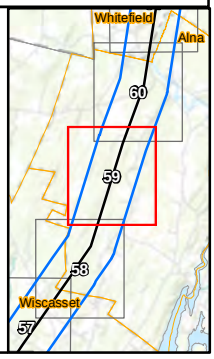
Indirect APE/Survey Boundaries

Town Boundary

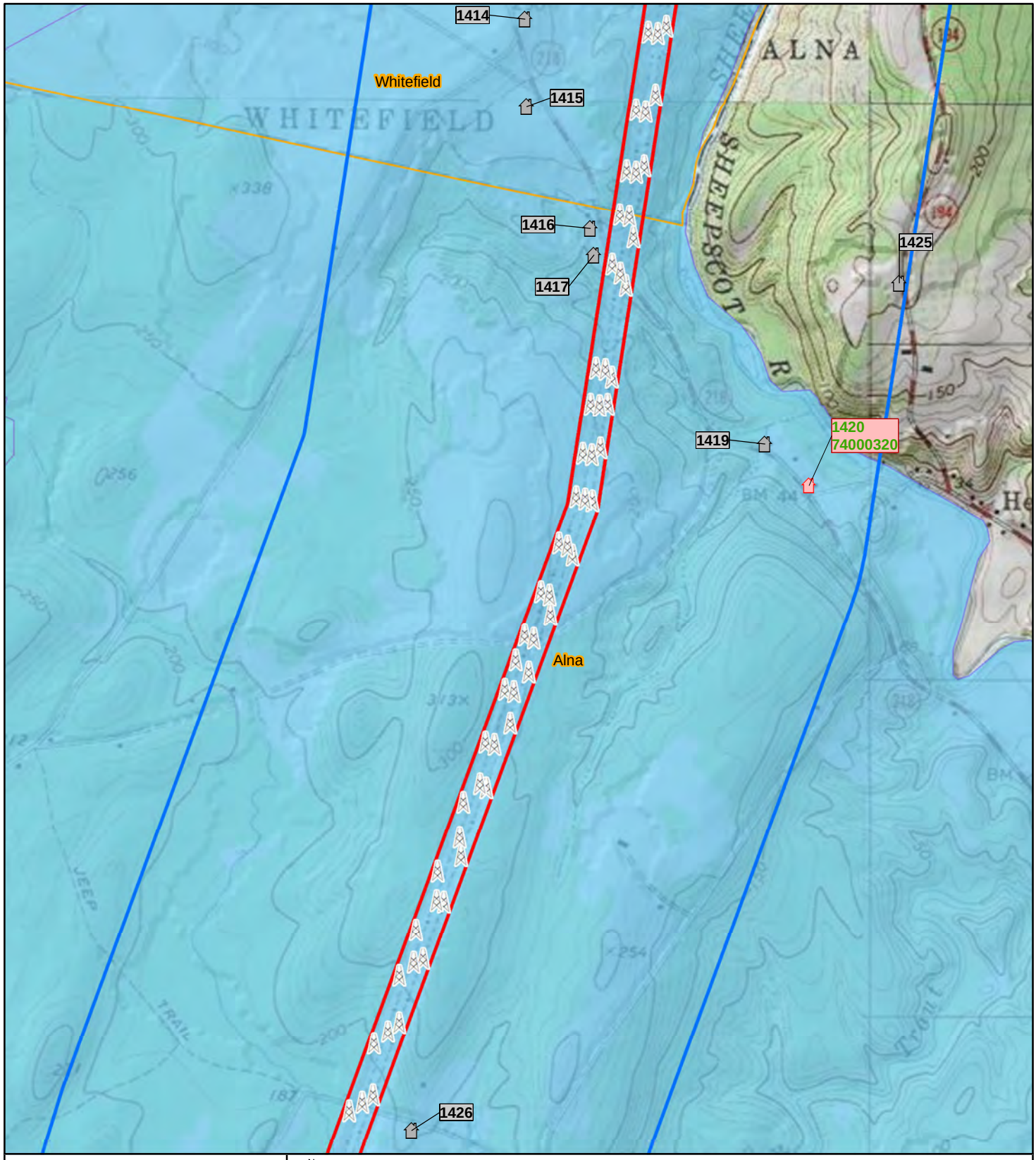
NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 60 of 68

Topographic Map Depicting Previously and Newly Recorded Above Ground

7.5' USGS Topographic Map: Wiscasset Quadrangle

Lincoln County

NECEC Structure

Direct APE

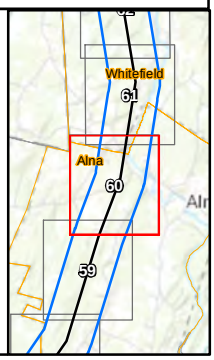
Indirect APE/Survey Boundaries

Town Boundary

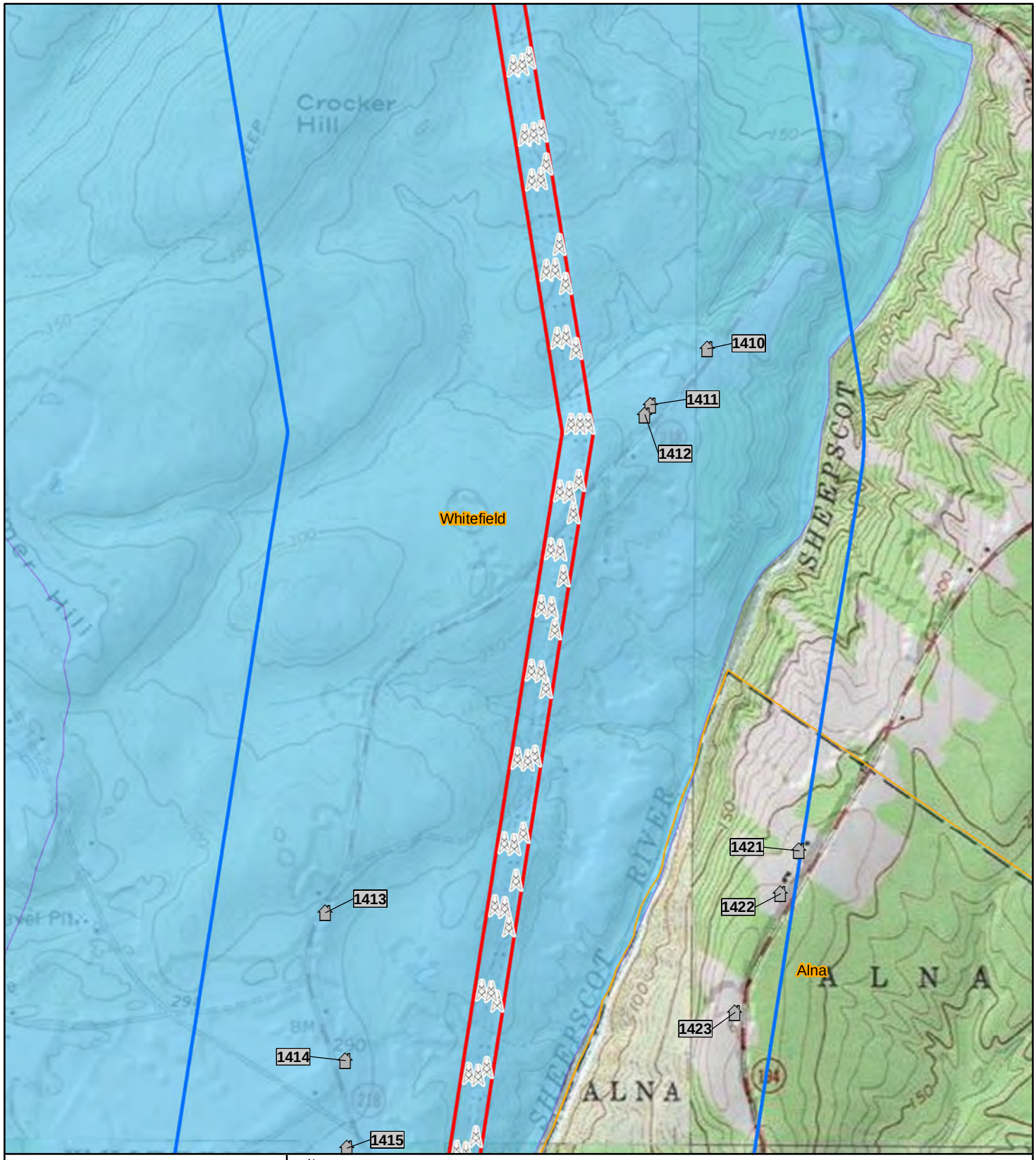
NRHP Status/Recommendation

Listed/Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 61 of 68

Topographic Map Depicting Previously and Newly Recorded Above Ground

7.5' USGS Topographic Map: East Pittston Quadrangle

Lincoln County

NECEC Structure

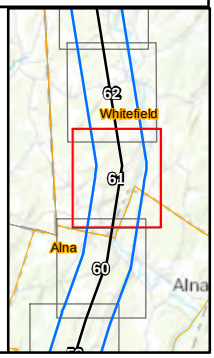
Direct APE

Indirect APE/Survey Boundaries

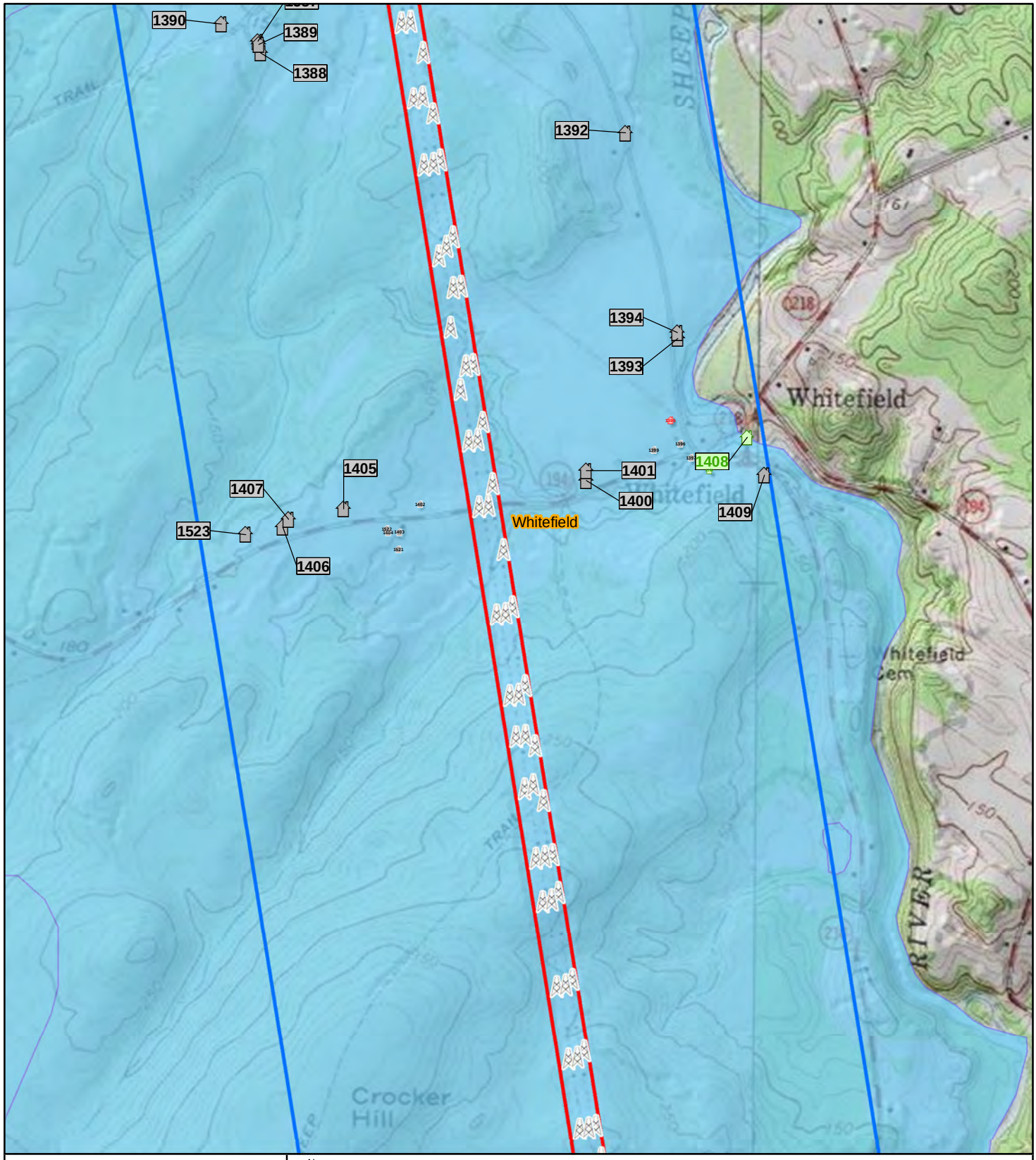
Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 62 of 68

Topographic Map Depicting Previously and Newly Recorded Above Ground

7.5' USGS Topographic Map: East Pittston Quadrangle

Lincoln County

NECEC Structure

Direct APE

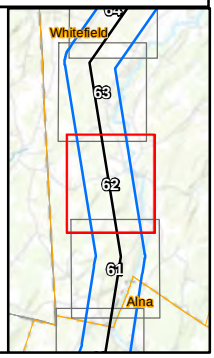
Indirect APE/Survey Boundaries

Town Boundary

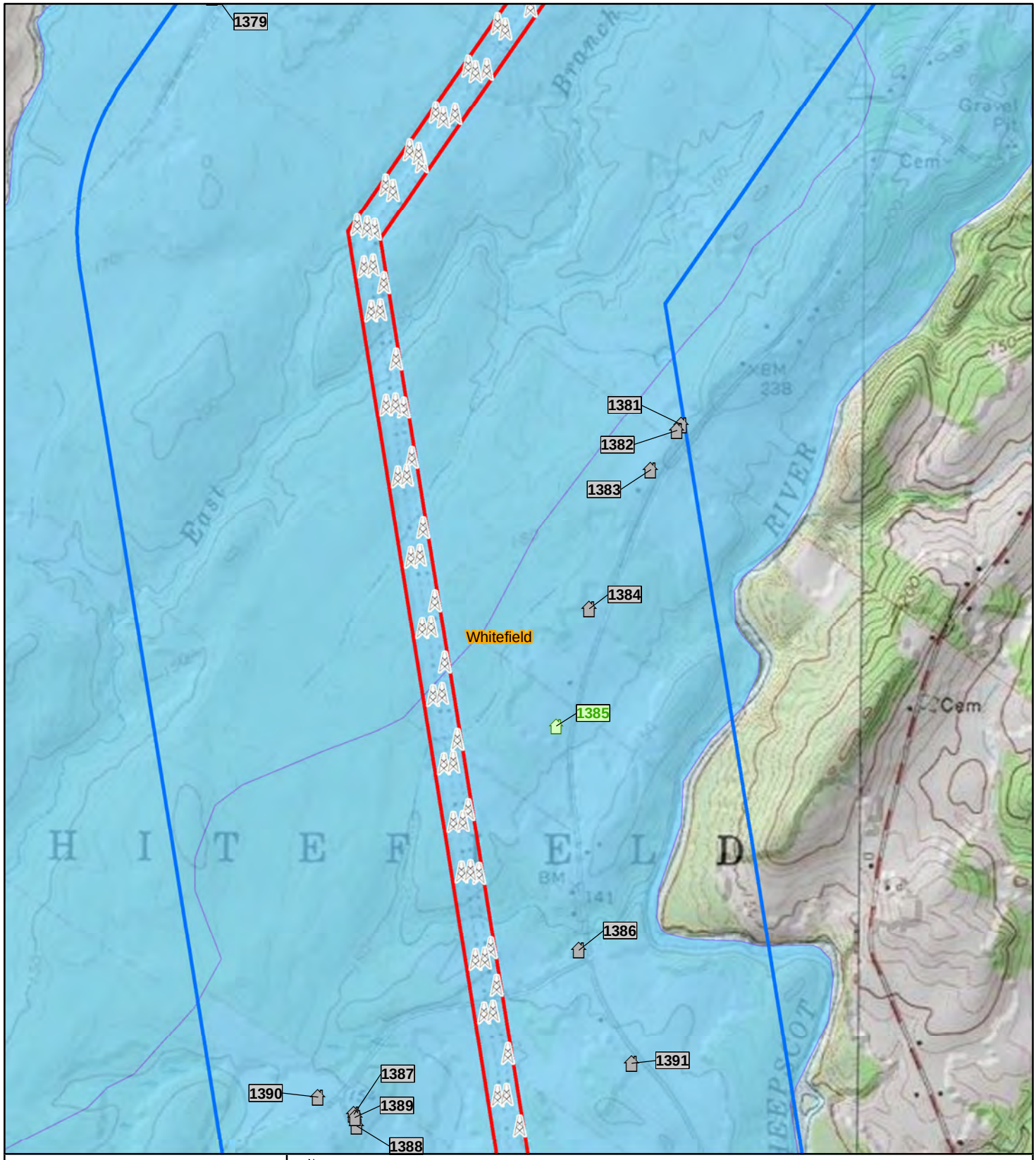
NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 63 of 68

Topographic Map Depicting Previously and Newly Recorded Above Ground

7.5' USGS Topographic Map: East Pittston Quadrangle

Lincoln County

NECEC Structure

Direct APE

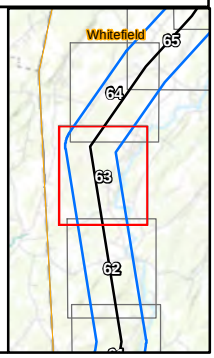
Indirect APE/Survey Boundaries

Town Boundary

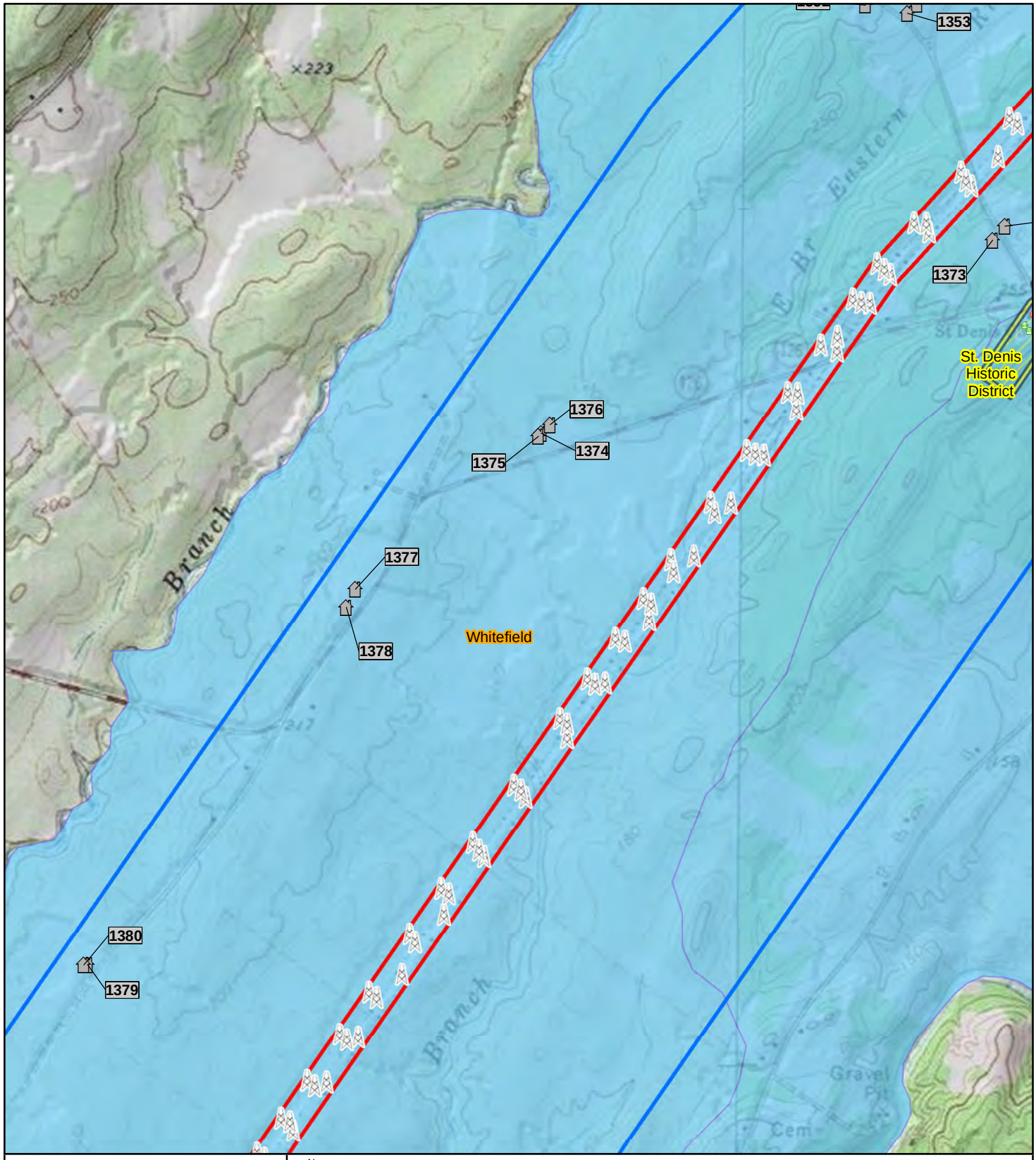
NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 64 of 68

Topographic Map Depicting Previously and Newly Recorded Above Ground

7.5' USGS Topographic Map: East Pittston Quadrangle

Lincoln County

NECEC Structure

Direct APE

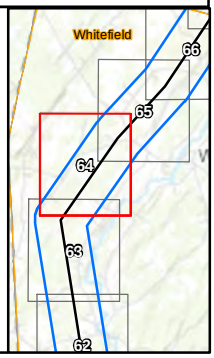
Indirect APE/Survey Boundaries

Town Boundary

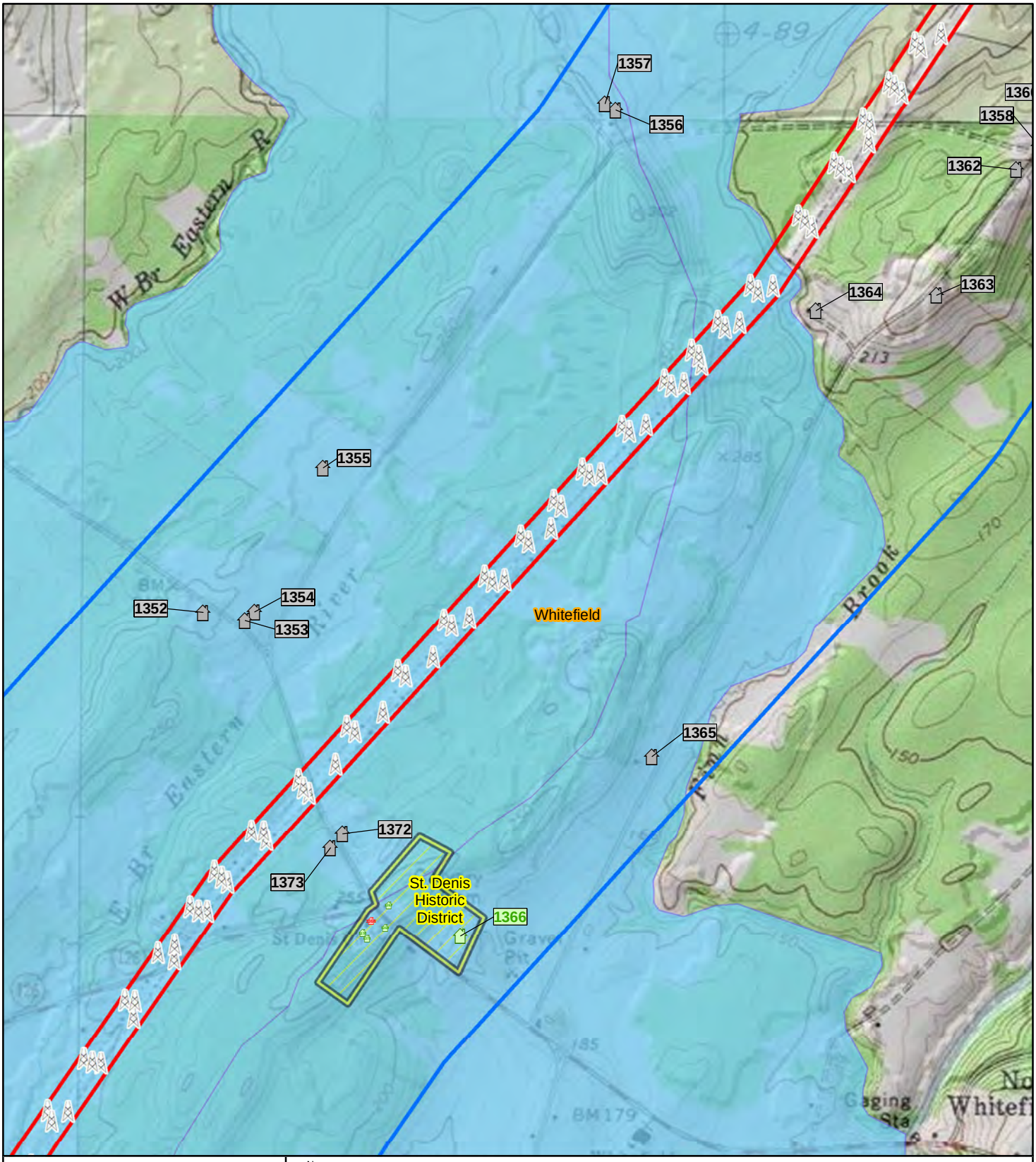
Historic District

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 65 of 68

Topographic Map Depicting Previously and Newly Recorded Above Ground

7.5' USGS Topographic Map: North Whitefield Quadrangle

Lincoln County

NECEC Structure

Direct APE

Indirect APE/Survey Boundaries

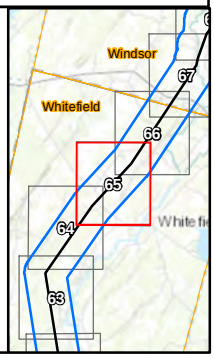
Town Boundary

Historic District

NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 66 of 68

Topographic Map Depicting Previously and Newly Recorded Above Ground

7.5' USGS Topographic Map: Weeks Mills Quadrangle

Lincoln and Kennebec County

NECEC Structure

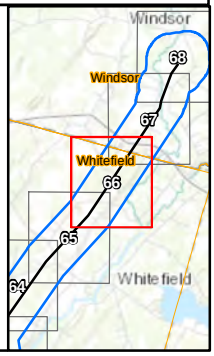
Direct APE

Indirect APE/Survey Boundaries

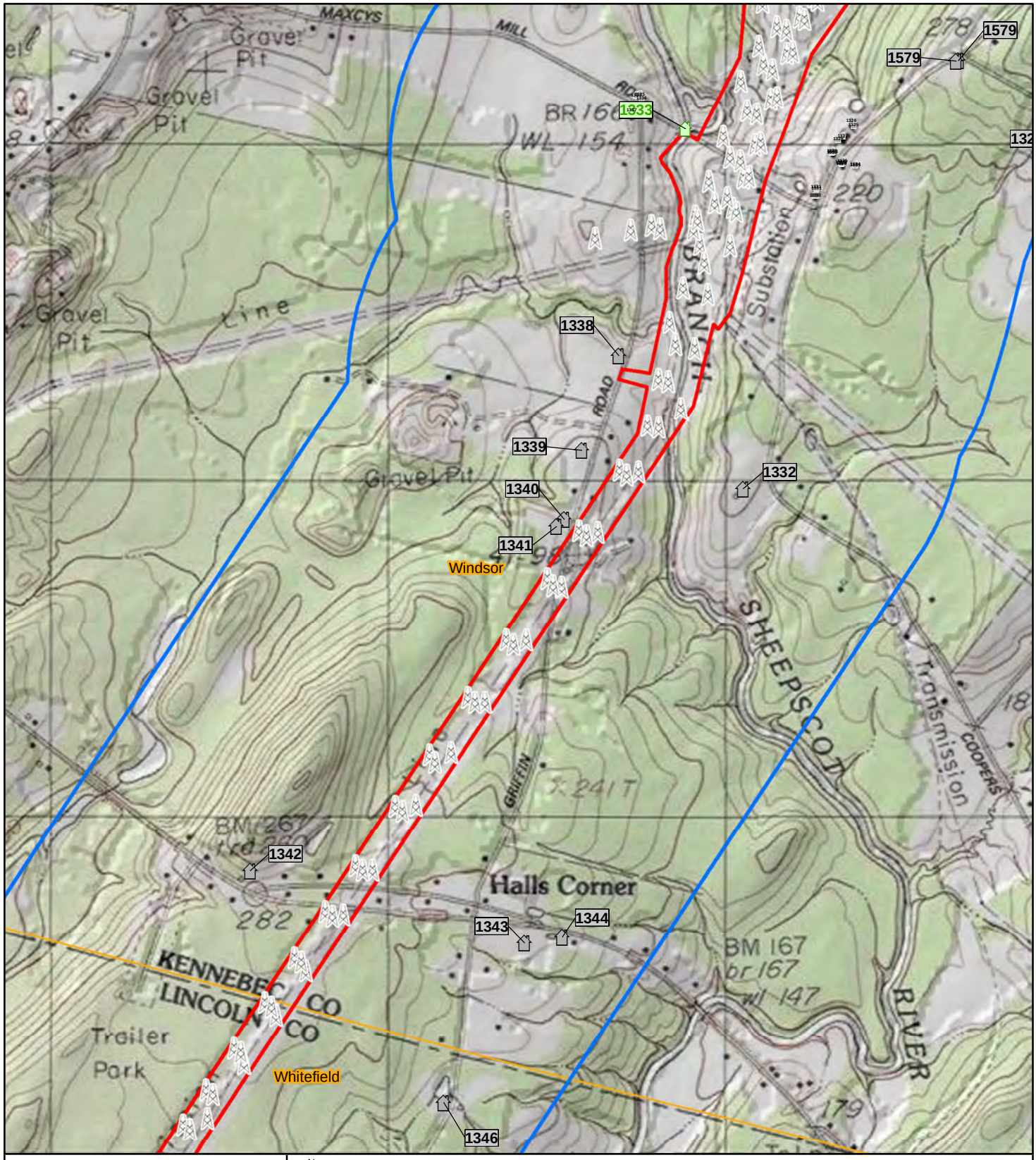
Town Boundary

NRHP Status/Recommendation

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 67 of 68

Topographic Map Depicting Previously and Newly Recorded Above Ground

7.5' USGS Topographic Map: Weeks Mills Quadrangle

Lincoln and Kennebec County

NECEC Structure

Direct APE

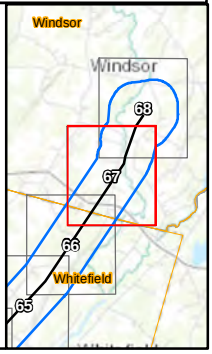
Indirect APE/Survey Boundaries

Town Boundary

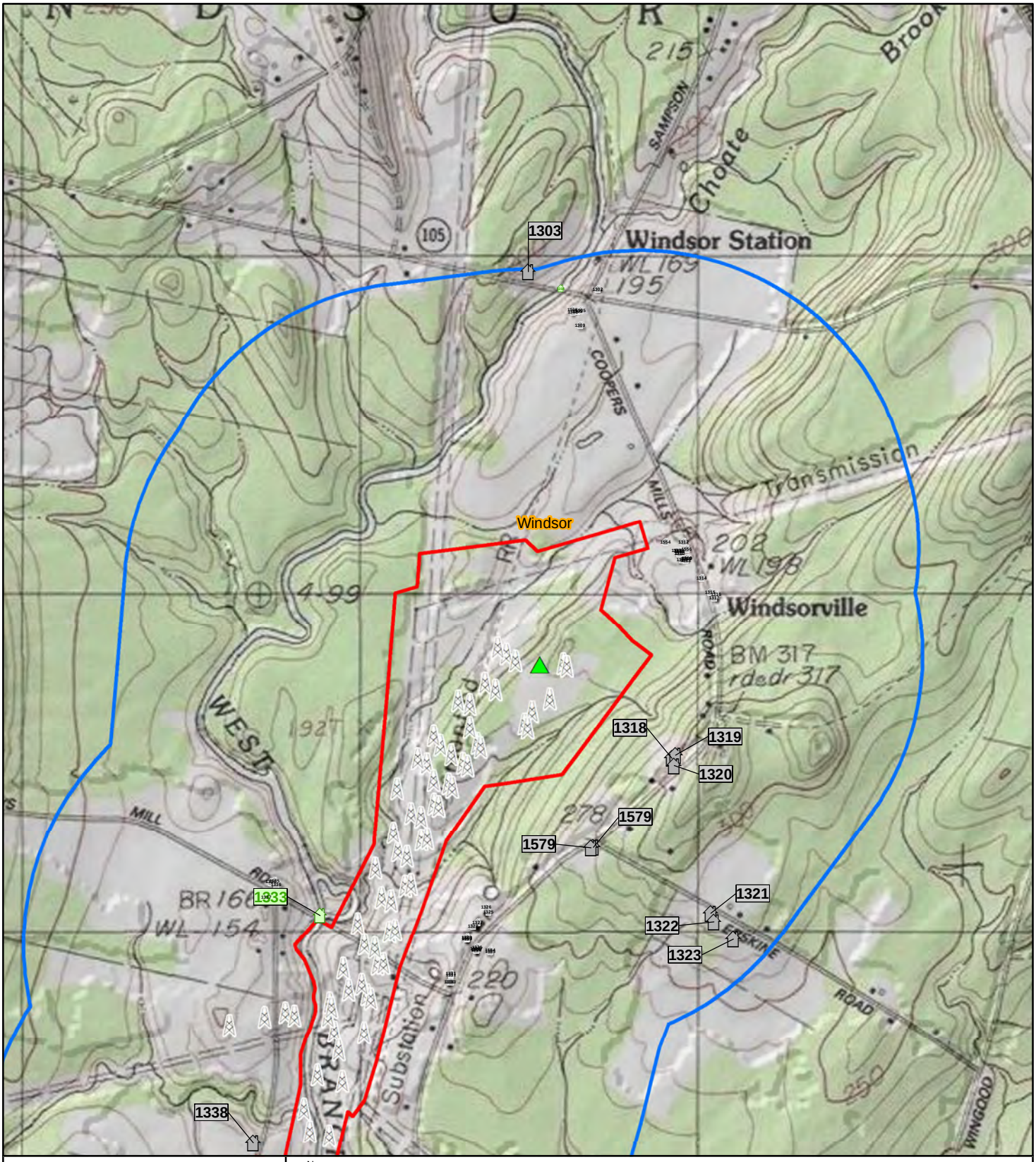
NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL



New England Clean Energy Connect

N

NAD 1983 UTM 19N

1:15,840

200 100 0 200 400 Meters

Map 68 of 68

Topographic Map Depicting Previously and Newly Recorded Above Ground

7.5' USGS Topographic Map: Weeks Mills Quadrangle

Kennebec County

NECEC Structure

Existing Substation

Direct APE

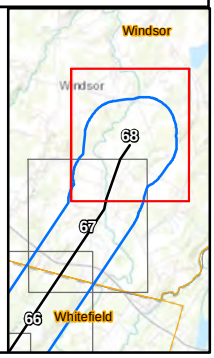
Indirect APE/Survey Boundaries

Town Boundary

NRHP Status/Recommendation

Potentially Eligible

Not Eligible



CENTRAL MAINE POWER - SEARCH - BURNS MEDONNELL

APPENDIX B

TABLES

Table 1

OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
229	90167	4		N/A			The Forks Plt	Somerset	Thomas Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; recommended NRHP not eligible	Direct	No Further Survey	5022348.334	430646.5564	Not Eligible	Point	NA	Not Eligible
230	90170	5		N/A			The Forks Plt	Somerset	Elm Street	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	5022391.39	430739.6786	Not Eligible	Point	NA	Not Eligible
178	90171	6		N/A			The Forks Plt	Somerset	Elm Street	Not Eligible	No	Not Eligible	N/A: Retains most aspects of integrity, but replacement windows and roofing as well as an addition affect its materials and workmanship. Lacks sufficient historical and architectural associations.	Retains most aspects of integrity	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	5022354.335	430789.9356	Not Eligible	Point	NA	Not Eligible
231	90176	7		N/A			The Forks Plt	Somerset	Moxie Field Street	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	5022359.849	430802.2606	Not Eligible	Point	NA	Not Eligible
179	90168	8		N/A			The Forks Plt	Somerset	Moxie Field Street	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	5022353.568	430830.2314	Not Eligible	Point	NA	Not Eligible
180	90173	9		N/A			The Forks Plt	Somerset	Moxie Field Street	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	5022440.907	430703.5064	Not Eligible	Point	NA	Not Eligible
232	90174	10		N/A		Kamp ToKumTo	The Forks Plt	Somerset	Moxie Field Street	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	5022447.701	430815.8174	Not Eligible	Point	NA	Not Eligible
233	90178	11		N/A			The Forks Plt	Somerset	Moxie Field Street	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Shed; recommended NRHP not eligible	Indirect	No Further Survey	5022433.946	430824.2895	Not Eligible	Point	NA	Not Eligible
181	90185	14		N/A		Lake Moxie	The Forks Plt	Somerset	1103 Lake Moxie Road	Preliminarily Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily NRHP eligible.	Indirect	Intensive Survey	5022172.235	431428.9175	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
182	90193	15		N/A			The Forks Plt	Somerset	1103 Lake Moxie Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5022167.327	431421.7005	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
234	90194	16		N/A			The Forks Plt	Somerset	1103 Lake Moxie Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5022161.925	431419.2898	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
183	90195	17		N/A			The Forks Plt	Somerset	1103 Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5022151.281	431417.8957	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
472	92340	19		N/A		Lake Moxie Dam Bridge	The Forks Plt	Somerset	Indian Pond Rd	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	Lake Moxie Dam Bridge	Direct	Intensive Survey	5022260.913	431574.3858	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
184	90199	20		N/A			East Moxie Twp.	Somerset	Indian Pond Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5022295.947	431630.3141	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
186	90202	21		N/A			East Moxie Twp.	Somerset	Indian Pond Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5022477.112	431781.1417	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
185	90201	22		N/A			East Moxie Twp.	Somerset	Indian Pond Rd	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District	Lacks most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5022506.25	431819.9052	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
143	90205	24		N/A		Lake Moxie Camps	The Forks Plt	Somerset	Troutdale Road	Preliminarily Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	Cabin. Likely a contributing resource to the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5021902.852	431419.1387	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
187	90214	25		N/A		Lake Moxie Camps	The Forks Plt	Somerset	Troutdale Road	Preliminarily Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	Bathhouse. Likely a contributing resource to the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5021892.02	431438.0646	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
188	90213	26		N/A		Lake Moxie Camps	The Forks Plt	Somerset	Troutdale Road	Preliminarily Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	Office. Likely a contributing resource to the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5021879.679	431447.8515	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
144	90218	27		N/A		Lake Moxie Camps	The Forks Plt	Somerset	Troutdale Road	Preliminarily Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	Dining Hall. Likely a contributing resource to the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5021876.904	431457.4861	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
145	90215	28		N/A		Lake Moxie Camps	The Forks Plt	Somerset	Troutdale Road	Preliminarily Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	Trading Post. Likely a contributing resource to the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5021892.978	431477.6931	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
146	90198	29		N/A		Lake Moxie Camps	The Forks Plt	Somerset	Troutdale Road	Preliminarily Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	Cabin. Likely a contributing resource to the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5021866.571	431472.871	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
235	90222	30		N/A		Lake Moxie Camps	The Forks Plt	Somerset	Troutdale Road	Preliminarily Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	Cabin. Likely a contributing resource to the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5021865.343	431487.1673	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study

Table 1

OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
236	90224	31		N/A		Lake Moxie Camps	The Forks Plt	Somerset	Troutdale Road	Preliminarily Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	Cabin. Likely a contributing resource to the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5021867.412	431429.7923	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
195	90226	32		N/A			The Forks Plt	Somerset	Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District	Lacks most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5020623.822	432208.8479	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
237	90229	33		N/A			The Forks Plt	Somerset	374 Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District	Lacks most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5019692.773	432666.6566	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
238	90237	34		N/A			The Forks Plt	Somerset	Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5019593.22	432775.3484	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
239	90244	35		N/A			The Forks Plt	Somerset	Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District	Lacks most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5019086.556	433410.181	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
147	92887	36		N/A			The Forks Plt	Somerset	Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5018542.736	433838.6544	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
148	90246	37		N/A			The Forks Plt	Somerset	612 Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District	Lacks most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5018428.853	433873.143	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
196	90248	38		N/A			The Forks Plt	Somerset	Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District	Lacks most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5018196.11	433925.4494	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
197	90228	39		N/A			The Forks Plt	Somerset	Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District	Lacks most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5018129.707	433948.2283	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
149	90254	40		N/A			The Forks Plt	Somerset	Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5017989.33	433966.8904	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
150	90262	41		N/A			The Forks Plt	Somerset	Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5017835.501	434006.096	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
247	90260	42		N/A			The Forks Plt	Somerset	Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District	Lacks most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5017812.385	434015.4748	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
248	90265	43		N/A			The Forks Plt	Somerset	Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District	Lacks most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5017778.841	434022.9847	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
189	90395	44		N/A			The Forks Plt	Somerset	737 Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Lacks most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5017514.347	434088.0068	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
190	90403	46		N/A			The Forks Plt	Somerset	Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5016952.61	434374.5194	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
198	90406	48		N/A			The Forks Plt	Somerset	Mosquito Narrows Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5016016.203	434820.6835	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
191	90404	50		N/A			The Forks Plt	Somerset	Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5016153.989	434543.669	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
199	90407	51		N/A		Mosquito Brook Camp	The Forks Plt	Somerset	Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5016048.522	434525.7619	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
200	90399	52		N/A		Mosquito Brook Bridge	The Forks Plt	Somerset	Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District	Lacks most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5016022.717	434524.3263	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
201	90401	53		N/A			The Forks Plt	Somerset	Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5015966.948	434582.0428	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
202	90408	54		N/A			The Forks Plt	Somerset	Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5015868.707	434491.2891	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
192	90409	55		N/A			The Forks Plt	Somerset	Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5015850.96	434482.5609	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
193	90410	56		N/A			The Forks Plt	Somerset	Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5015793.547	434484.1791	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study

Table 1

OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
203	90415	60		N/A			The Forks Plt	Somerset	1023 Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	5015403.391	434636.423	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
194	90417	64		N/A			Bald Mountain Twp. T2 R3	Somerset	Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Direct	Intensive Survey	5013542.345	434807.8522	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
316	91230	1192	83000474	83000474	7		Anson	Somerset	Madison St	Listed	Temples Historic District	Listed	N/A: The Temples Historic District (listed 1983)	Retains all aspects of integrity (replacement windows)	Greek Revival temple front house c. 1844-1858. MHPC determined eligible in 1975, NRHP listed May 1983. Based on this reconnaissance survey, SEARCH concurs this resource retains its NRHP listing	Indirect	Finding of Effects	4967348.826	429272.1525	Listed	Point	Temples Historic District	Listed/Eligible - Further Study
224	90421	67		N/A			Caratunk	Somerset	Troutdale Road	Not Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Pending	Intensive Survey	5010929.1	434766.5903	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
225	90422	68		N/A			Bald Mountain Twp. T2 R3	Somerset	Troutdale Road	Preliminarily Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Direct	Intensive Survey	5010704.495	434895.0621	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
226	90413	69		N/A		Bakers Station	Bald Mountain Twp. T2 R3	Somerset	Troutdale Road	Preliminarily Eligible	Lake Moxie/Troutdale/Bakers Station Historic District	Preliminarily Eligible	A: associations with the early development of the Lake Moxie/Troutdale/Baker Station Historic District; C: Architecture	Retains most aspects of integrity	This resource is included within the Lake Moxie/Troutdale/Baker Station Historic District and is recommended preliminarily eligible.	Direct	Intensive Survey	5010684.572	434904.4741	Not Determined	Point	Lake Moxie/Troutdale/Bakers Station Historic District	Not Determined - Further Study
412	91236	1193		N/A	1108		Anson	Somerset	25 Madison St	Not Eligible		Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid to late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967352.267	429293.6692	Not Eligible	Point	Temples Historic District	Not Eligible
227	90423	72		N/A			Moscow	Somerset	Stream Road	Not Eligible	No	Not Eligible	N/A: Replacement windows, siding, and roofing affect its integrity. Lacks sufficient historical and architectural associations.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	4994281.88	431720.699	Not Eligible	Point	NA	Not Eligible
413	91238	1194		N/A	1108		Anson	Somerset	4 Summer St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century Italianate connected farmhouse; recommended NRHP not eligible	Indirect	No Further Survey	4967403.29	429285.7095	Not Eligible	Point	NA	Not Eligible
317	91239	1195		N/A	1108		Anson	Somerset	4 Summer St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century attached barn; recommended NRHP not eligible	Indirect	No Further Survey	4967420.789	429274.362	Not Eligible	Point	NA	Not Eligible
320	91024	1203	83000474	83000474	7		Anson	Somerset	Madison St	Listed	Temples Historic District	Listed	N/A: The Temples Historic District (listed 1983)	Retains all aspects of integrity	Greek Revival temple front house c. 1844-1858. MHPC determined eligible in 1975, NRHP listed May 1983. Based on this reconnaissance survey, SEARCH concurs this resource retains its NRHP listing	Indirect	Finding of Effects	4967346.708	429232.9281	Listed	Point	Temples Historic District	Listed/Eligible - Further Study
321	91044	1204	83000474	83000474	7		Anson	Somerset	Madison St	Listed	Temples Historic District	Listed	N/A: The Temples Historic District (listed 1983)	Although in need of maintenance, retains all aspects of integrity	c. 1850s detached barn. MHPC determined eligible in 1975, NRHP listed May 1983. Based on this reconnaissance survey, SEARCH concurs this resource retains its NRHP listing	Indirect	Finding of Effects	4967330.056	429248.6795	Listed	Point	Temples Historic District	Listed/Eligible - Further Study
322	91048	1206	83000474	83000474	7		Anson	Somerset	Madison St	Listed	Temples Historic District	Listed	N/A: The Temples Historic District (listed 1983)	Although in need of maintenance, retains all aspects of integrity	c. 1850s attached barn. MHPC determined eligible in 1975, NRHP listed May 1983. Based on this reconnaissance survey, SEARCH concurs this resource retains its NRHP listing	Indirect	Finding of Effects	4967341.66	429211.986	Listed	Point	Temples Historic District	Listed/Eligible - Further Study
323	91037	1207	83000474	83000474	7		Anson	Somerset	Madison St	Listed	Temples Historic District	Listed	N/A: The Temples Historic District (listed 1983)	Retains all aspects of integrity	Greek Revival temple front house c. 1844-1858. retains NRHP listing as contributor to historic district.	Indirect	Finding of Effects	4967335.706	429189.9887	Listed	Point	Temples Historic District	Listed/Eligible - Further Study
324	91054	1208	83000474	83000474	7		Anson	Somerset	Madison St	Listed	Temples Historic District	Listed	N/A: The Temples Historic District (listed 1983)	Retains all aspects of integrity	c. 1850s detached barn. MHPC determined eligible in 1975, NRHP listed May 1983. Based on this reconnaissance survey, SEARCH concurs this resource retains its NRHP listing	Indirect	Finding of Effects	4967328.005	429202.0063	Listed	Point	Temples Historic District	Listed/Eligible - Further Study
327	91053	1209		N/A	1108		Anson	Somerset	12 Madison St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967388.833	429183.9054	Not Eligible	Point	NA	Not Eligible
341	91064	1211		N/A	1108		Anson	Somerset	Summer St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century connected barn converted to garage; recommended NRHP not eligible	Indirect	No Further Survey	4967422.616	429326.7511	Not Eligible	Point	NA	Not Eligible
228	90414	82		N/A			Moscow	Somerset	Beaudoin Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	4994371.634	430703.0442	Not Eligible	Point	NA	Not Eligible
418	90424	83		N/A			Moscow	Somerset	Beaudoin Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Mixed use barn; recommended NRHP not eligible	Indirect	No Further Survey	4994422.392	430722.0433	Not Eligible	Point	NA	Not Eligible
328	91058	1212		N/A	1108		Anson	Somerset	15 Summer St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967501.522	429317.0775	Not Eligible	Point	NA	Not Eligible
154	90427	85		N/A			Moscow	Somerset	260 Stream Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity due to multiple replacement materials and additions alternating the original form of the structure.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	4992767.312	430867.8539	Not Eligible	Point	NA	Not Eligible

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153	90428	86		N/A			Moscow	Somerset	260 Beaudoin Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity due to modification to exterior walls.	This resource lacks sufficient integrity for NRHP eligibility consideration	Barn/Garage; recommended NRHP not eligible	Indirect	No Further Survey	4992788.421	430886.9677	Not Eligible	Point	NA	Not Eligible
419	90429	87		N/A			Moscow	Somerset	Stream Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity due to modification to exterior walls.	This resource lacks sufficient integrity for NRHP eligibility consideration	Barn/Garage; recommended NRHP not eligible	Indirect	No Further Survey	4992728.044	430867.2111	Not Eligible	Point	NA	Not Eligible
246	90430	88		N/A			Moscow	Somerset	249 Stream Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	4992669.988	430884.6614	Not Eligible	Point	NA	Not Eligible
151	90489	89		N/A			Moscow	Somerset	248 Stream Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	4992679.971	430838.9087	Not Eligible	Point	NA	Not Eligible
152	90425	90		N/A			Moscow	Somerset	246 Stream Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	4992661.531	430816.7807	Not Eligible	Point	NA	Not Eligible
1266	38231	1494		491-0069hfs	9	White Family Farm	Wiscasset	Lincoln	495 Birch Point Road	Listed	No	Not Eligible	A: Agriculture/farming, Settlement; C: Architecture	This resource retains modest integrity	c. 1796-present White Family farmstead. Center hall house. MHPC determined eligible in January 2011, and is noted as listed on the MHPC Survey Form. Based on this reconnaissance survey, SEARCH concurs it is NRHP eligible.	Direct	Finding of Effects	4868634.168	444105.094	Listed	Point	NA	Listed/Eligible - Further Study
1307	71089	1495		491-0069hfs	9	White Family Farm	Wiscasset	Lincoln	495 Birch Point Road	Listed	No	Not Eligible	A: Agriculture/farming, Settlement; C: Architecture	This resource retains modest integrity	c. 1796-present White Family farmstead. MHPC determined eligible in January 2011, and is noted as listed on the MHPC Survey Form. Based on this reconnaissance survey, SEARCH concurs it is NRHP eligible.	Direct	Finding of Effects	4868634.729	444101.0927	Listed	Point	NA	Listed/Eligible - Further Study
1267	38233	1496		491-0069hfs	9	White Family Farm	Wiscasset	Lincoln	495 Birch Point Road	Listed	No	Not Eligible	A: Agriculture/farming, Settlement; C: Architecture	This resource retains modest integrity	c. 1796-present White Family farmstead. MHPC determined eligible in January 2011, and is noted as listed on the MHPC Survey Form. Based on this reconnaissance survey, SEARCH concurs it is NRHP eligible.	Direct	Finding of Effects	4868609.595	444086.8284	Listed	Point	NA	Listed/Eligible - Further Study
240	90432	95		N/A			Moscow	Somerset	Stream Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	4991914.899	430819.245	Not Eligible	Point	NA	Not Eligible
1308	71092	1497		491-0069hfs	9	White Family Farm	Wiscasset	Lincoln	495 Birch Point Road	Listed	No	Not Eligible	A: Agriculture/farming, Settlement; C: Architecture	This resource retains modest integrity	c. 1796-present White Family farmstead. MHPC determined eligible in January 2011, and is noted as listed on the MHPC Survey Form. Based on this reconnaissance survey, SEARCH concurs it is NRHP eligible.	Direct	Finding of Effects	4868611.147	444086.1999	Listed	Point	NA	Listed/Eligible - Further Study
1309	71094	1498		491-0069hfs	9	White Family Farm	Wiscasset	Lincoln	495 Birch Point Road	Listed	No	Not Eligible	A: Agriculture/farming, Settlement; C: Architecture	This resource retains modest integrity	c. 1796-present White Family farmstead. MHPC determined eligible in January 2011, and is noted as listed on the MHPC Survey Form. Based on this reconnaissance survey, SEARCH concurs it is NRHP eligible.	Direct	Finding of Effects	4868592.784	444109.6558	Listed	Point	NA	Listed/Eligible - Further Study
241	90433	98		N/A			Moscow	Somerset	16 Hunnewell Street	Not Eligible	No	Not Eligible	N/A: Replacement windows, siding, and roofing affect its integrity. Lacks sufficient historical and architectural associations.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	4991215.815	429893.135	Not Eligible	Point	NA	Not Eligible
242	90436	99		N/A			Moscow	Somerset	11 Hunnewell Street	Not Eligible	No	Not Eligible	N/A: Replacement windows and roofing affect its integrity. Lacks sufficient historical and architectural associations.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	4991240.165	429936.7063	Not Eligible	Point	NA	Not Eligible
243	90437	100		N/A			Moscow	Somerset	10 Bemis Street	Not Eligible	No	Not Eligible	N/A: Replacement windows and roofing affect its integrity. Lacks sufficient historical and architectural associations.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	4991027.577	430117.3597	Not Eligible	Point	NA	Not Eligible
244	90438	101		N/A			Moscow	Somerset	2 Bemis Street	Not Eligible	No	Not Eligible	N/A: Replacement windows, roofing, and additions to exterior altering its original form affect its integrity. Lacks sufficient historical and architectural associations.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	4991043.617	430080.2288	Not Eligible	Point	NA	Not Eligible
245	90439	102		N/A			Moscow	Somerset	5 Duncan Street	Not Eligible	No	Not Eligible	N/A: Replacement windows and roofing affect its integrity. Lacks sufficient historical and architectural associations.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	4991055.994	430059.6663	Not Eligible	Point	NA	Not Eligible
1275	38236	1499		491-0069hfs	9	White Family Farm	Wiscasset	Lincoln	495 Birch Point Road	Listed	No	Not Eligible	A: Agriculture/farming, Settlement; C: Architecture	This resource retains modest integrity	c. 1796-present White Family farmstead. MHPC determined eligible in January 2011, and is noted as listed on the MHPC Survey Form. Based on this reconnaissance survey, SEARCH concurs it is NRHP eligible.	Direct	Finding of Effects	4868588.406	444112.1923	Listed	Point	NA	Listed/Eligible - Further Study
1276	38422	1500		491-0069hfs	9	White Family Farm	Wiscasset	Lincoln	495 Birch Point Road	Listed	No	Not Eligible	A: Agriculture/farming, Settlement; C: Architecture	This resource retains modest integrity	c. 1796-present White Family farmstead. MHPC determined eligible in January 2011, and is noted as listed on the MHPC Survey Form. Based on this reconnaissance survey, SEARCH concurs it is NRHP eligible.	Direct	Finding of Effects	4868569.247	444104.9738	Listed	Point	NA	Listed/Eligible - Further Study

Table 1

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204	90434	105		N/A			Moscow	Somerset	92 Howard Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity due to multiple additions and alterations changings its historic form.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; recommended NRHP not eligible	Pending	No Further Survey	4991545.997	430484.7204	Not Eligible	Point	NA	Not Eligible
205	90435	106		N/A			Moscow	Somerset	93 Howard Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	4991574.624	430510.535	Not Eligible	Point	NA	Not Eligible
1310	71096	1501		491-0069hfs	9	White Family Farm	Wiscasset	Lincoln	495 Birch Point Road	Listed	No	Not Eligible	A: Agriculture/farming, Settlement; C: Architecture	This resource retains modest integrity	c. 1796-present White Family farmstead. MHPC determined eligible in January 2011, and is noted as listed on the MHPC Survey Form. Based on this reconnaissance survey, SEARCH concurs it is NRHP eligible.	Direct	Finding of Effects	4868557.188	444106.5533	Listed	Point	NA	Listed/Eligible - Further Study
421	90440	108		N/A			Moscow	Somerset	32 Nichols Hill	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	4990732.738	430167.3066	Not Eligible	Point	NA	Not Eligible
422	90441	109		N/A			Bingham	Somerset	32 Nichols Hills Rd/ C.O.Cates	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Connected Barn/Garage	Indirect	No Further Survey	4990719.127	430160.4078	Not Eligible	Point	NA	Not Eligible
423	90442	110		N/A			Moscow	Somerset	Nichols Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; recommended NRHP not eligible	Indirect	No Further Survey	4990709.428	430154.6812	Not Eligible	Point	NA	Not Eligible
1274	38226	1547		491-0069hfs	9	White Family Farm	Wiscasset	Lincoln	495 Birch Point Road	Listed	No	Not Eligible	A: Agriculture/farming, Settlement; C: Architecture	This resource retains modest integrity	c. 1796-present White Family farmstead. MHPC determined eligible in January 2011, and is noted as listed on the MHPC Survey Form. Based on this reconnaissance survey, SEARCH concurs it is NRHP eligible.	Direct	Finding of Effects	4868664.132	444139.1069	Listed	Point	NA	Listed/Eligible - Further Study
1434	91660	1395	7000014	7000014	1	Kings Mills Union Hall	Whitefield	Lincoln	901 Townhouse Rd	Listed	No	Not Eligible	Whitefield Union Hall (listed 2007)	Retains most aspects of integrity	Meeting hall built in 1900 with Queen Anne elements. MHPC determined eligible in December 2006, NRHP listed February 2007. Based on this reconnaissance survey, SEARCH concurs this resource retains its NRHP listing	Indirect	Finding of Effects	4891058.882	449814.7065	Listed	Point	NA	Listed/Eligible - Further Study
1315	79648	1584		484-0032a	2		Windsor	Kennebec	306 COOPER'S MILL ROAD	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Demolished	MHPC previously determined this resource was Not Eligible. During the reconnaissance survey, SEARCH confirmed the resource has been demolished, and therefore recommends this resource remains Not Eligible.	Pending	No Further Survey	4904158.358	455432.1726	Not Eligible	Point	NA	Not Eligible
1385	73838	1585		484-0032a	2		Windsor	Kennebec	306 COOPER'S MILL ROAD	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Demolished	MHPC previously determined this resource was Not Eligible. During the reconnaissance survey, SEARCH confirmed the resource has been demolished, and therefore recommends this resource remains Not Eligible.	Pending	No Further Survey	4904155.386	455432.733	Not Eligible	Point	NA	Not Eligible
1332	91289	1420	74000320	74000320	1	Head Tide HD	Alna	Lincoln	Head Tide Hill Rd.	Listed	Head Tide Historic District	Listed	N/A: Head Tide Historic District (listed 1974)	Retains most aspects of integrity	Mid-18th to mid-19th century mill community. MHPC determined eligible in 1974, NRHP listed November 1974. Based on this reconnaissance survey, SEARCH concurs this resource retains its NRHP listing	Indirect	Finding of Effects	4884813.544	449856.4237	Listed	Point	Head Tide Historic District	Listed/Eligible - Further Study
1415	91598	1368	76000102	76000102	1	St. Denis Catholic Church	Whitefield	Lincoln	298 Grand Army Rd	Listed	St. Denis Historic District	Preliminarily Eligible	A: Social History, Religion; B: Person; C: Architecture	Retains most aspects of integrity	St. Denis, 1833 Greek Revival church. MHPC determined eligible April 1976, NRHP listed October 1976. Based on this reconnaissance survey, SEARCH recommends St. Denis Historic District.	Indirect	Finding of Effects	4897445.937	450989.2888	Listed	Point	St. Denis Historic District	Listed/Eligible - Further Study
55	66346	164	76000113	042-0018	1	BINGHAM FREE MEETING HOUSE	Bingham	Somerset	OLD CHURCH ROAD AT MAIN STREET/ROUTE 201	LISTED	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District C: Architecture	Retains most aspects of integrity	The Bingham Free Meeting House was listed on the NRHP in 1976. Based on this reconnaissance level survey, SEARCH contends the property remains listed on the NRHP.	Indirect	Finding of Effects	4989127.963	430518.3306	Listed	Point	Bingham Village Historic District	Listed/Eligible - Further Study
54	66345	1259	92001297	146-0001	1	CONCORD HAVEN	Embden	Somerset	East side of Route 16, 1.7 miles N of intersection with Berry Road	Listed	Concord Haven Historic District	Listed	Concord Haven (Listed 1992)	This resource retains most aspects of integrity	1915 Colonial Revival summer estate. MHPC determined eligible in August 1992, NRHP listed October 1992. Based on this reconnaissance survey, SEARCH concurs this resource retains its NRHP listing	Indirect	Finding of Effects	4980778.663	430797.9128	Listed	Point	Concord Haven Historic District	Listed/Eligible - Further Study
615	69001	356	13000438	236-0345	1	Clough Meeting House`	Lewiston	Androscoggin	32 South Lisbon Road	Listed	No	Not Eligible	N/A: Clough Meeting House (listed 2013)	Retains most aspects of integrity	Clough Meeting House, NRHP listed June 2013. Based on this reconnaissance survey, SEARCH concurs this resource retains its NRHP listing	Indirect	Finding of Effects	4879574.555	408077.3144	Listed	Point	NA	Listed/Eligible - Further Study
1491	86334	1590		013-0025	1		Anson	Somerset	190 River Road/ Route 201A	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	c. 1950 vernacular residence. MHPC determined not eligible in September 2017, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Indirect	No Further Survey	4962630.184	429451.4556	Not Eligible	Point	Arnold Trail to Quebec Historic District	Not Eligible
1492	86335	1589		013-0026	1	Ice House Bridge No. 3726	Anson	Somerset	River Road over Gilman Brook	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Major renovations, retains minimal integrity	1946 concrete slab bridge. MHPC determined not eligible in September 2017, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4962585.146	429448.5596	Not Eligible	Point	Arnold Trail to Quebec Historic District	Not Eligible
504	3981	327		020-0214	1		Auburn	Androscoggin	2209 Riverside Drive	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Direct	No Further Survey	4875019.945	405569.6914	Not Eligible	Point	NA	Not Eligible

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505	4001	326		020-0214a	1		Auburn	Androscoggin	2209 Riverside Drive	Not Eligible	No	Not Eligible	N/A: Not Historic	Retains integrity	Mid 20th c. barn. MHPC determined not eligible in January 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible. recommended NRHP not eligible	Direct	No Further Survey	4874955.144	405557.2421	Not Eligible	Point	NA	Not Eligible
1153	64161	323		020-0372	1	UNION CEMETERY	Auburn	Androscoggin	Riverside Drive	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	Retains most aspects of integrity	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4874651.276	405936.0812	Not Eligible	Point	NA	Not Eligible
1152	64163	324		020-0373	1		Auburn	Androscoggin	2279 Riverside Drive	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4874800.957	405789.817	Not Eligible	Point	NA	Not Eligible
124	65340	168		042-0008	1		Bingham	Somerset	227 RIVER ROAD/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989123.681	430576.9811	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
125	65341	169		042-0008a	1		Bingham	Somerset	227 RIVER ROAD/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989121.14	430581.8244	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
51	65329	1301		042-0014	1		Bingham	Somerset	River Road/ Route 201, East side of Rd, at jct with Village Street	Not Eligible		Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century foursquare. MHPC determined not eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Indirect	No Further Survey	4988264.396	431355.4304	Not Eligible	Point	Arnold Trail to Quebec Historic District	Not Eligible
53	65330	1299		042-0015	1		Bingham	Somerset	River Road/Route 201, East side of Rd, Approx. 240 Feet North of jct with Village Street	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	1870 connected barn. MHPC determined not eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Indirect	No Further Survey	4988366.897	431333.156	Not Eligible	Point	NA	Not Eligible
52	65331	1298		042-0015a	1		Bingham	Somerset	River Road/Route 201, East side of Rd, Approx. 240 FT. North of jct with Village Street	Not Eligible		Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	1870 connected house. MHPC determined not eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Indirect	No Further Survey	4988358.933	431315.9283	Not Eligible	Point	Arnold Trail to Quebec Historic District	Not Eligible
127	65332	228		042-0016	1	RIVERSIDE INN	Bingham	Somerset	172 RIVER ROAD/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined NRHP Eligible by MHPC. Based on this reconnaissance level survey, SEARCH concurs with this recommendation.	Indirect	Finding of Effects	4988759.386	430830.851	Eligible	Point	Arnold Trail to Quebec Historic District/Bingham Village Historic District	Listed/Eligible - Further Study
128	65333	215		042-0017	1	Bingham Town Cemetery	Bingham	Somerset	Cooley Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Not Individually Eligible by MPHC. Based on the reconnaissance level survey, SEARCH concurs with this recommendation. However, the resource is included within the Bingham Village Historic District and is recommended preliminarily eligible as part of the district.	Indirect	Intensive Survey	4988924.695	430616.3563	Not Determined	Point	Arnold Trail to Quebec Historic District/Bingham Village Historic District	Not Determined - Further Study
		83000474	83000474	83000474	7	Temples Historic District	Anson		N/A	N/A	N/A	Listed	C: Architecture	Buildings retain a high degree of integrity	The Temples Historic District is Listed in the NRHP. Based on the reconnaissance survey, SEARCH contends that the district remains NRHP Listed.	Indirect	Finding of Effects			Listed	Polygon	Yes	Listed/Eligible - Further Study
155	65423	1549		042-0039hfs	1	C. O. CATES	Bingham	Somerset	102 Merrill Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains modest integrity	early 20th c. foursquare. MHPC determined not eligible in September 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Indirect	No Further Survey	4990660.109	430156.8001	Not Eligible	Point	NA	Not Eligible
133	65335	165		042-0041	1		Bingham	Somerset	9 OLD CHURCH ROAD	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989111.319	430501.172	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
134	65336	166		042-0041a	1		Bingham	Somerset	9 OLD CHURCH ROAD	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989110.364	430499.2526	Eligible	Point	Arnold Trail to Quebec Historic District/Bingham Village Historic District	Listed/Eligible - Further Study
135	65338	177		042-0042	1		Bingham	Somerset	244 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989198.384	430482.1658	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
136	65339	163		042-0042a	1		Bingham	Somerset	244 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989197.363	430482.7808	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
122	65827	162		042-0043	1		Bingham	Somerset	249 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989269.071	430526.3382	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
121	65826	161		042-0044	1		Bingham	Somerset	251 MAIN STREET/ ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989301.821	430520.6968	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
123	65828	152		042-0045	1		Bingham	Somerset	252 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989271.137	430478.003	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
137	65831	176		042-0046	1		Bingham	Somerset	256 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989301.406	430469.4937	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study

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138	65832	151		042-0046a	1		Bingham	Somerset	256 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989301.645	430470.5806	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
139	65829	175		042-0047	1		Bingham	Somerset	258 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989322.731	430456.4717	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
140	65830	150		042-0047a	1		Bingham	Somerset	258 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989323.035	430459.2422	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
141	65833	174		042-0048	1		Bingham	Somerset	262 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989349.036	430447.8036	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
142	65834	149		042-0048a	1		Bingham	Somerset	262 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989345.59	430446.5053	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
120	65825	147		042-0049	1		Bingham	Somerset	266 MAIN STREET/ ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989370.311	430439.774	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
119	65823	146		042-0050	1		Bingham	Somerset	268 MAIN STREET/ ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989394.736	430433.1042	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
118	65824	173		042-0050a	1		Bingham	Somerset	268 MAIN STREET/ ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989392.614	430432.4461	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
117	65822	1548		042-0051	1	JIMMY'S MARKET	Bingham	Somerset	272 Main Street/Route 201	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	N/A: Located within proposed HD, but lacks architectural significance	Retains modest integrity	Early 20th century house converted to commercial use. MHPC determined not eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Indirect	Intensive Survey	4989421.919	430423.6278	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
106	65801	144		042-0052	1		Bingham	Somerset	114-116 LANDER STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989406.509	430370.8823	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
107	65802	143		042-0053	1		Bingham	Somerset	136 LANDER STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989447.339	430378.6221	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
101	65771	141		042-0054	1		Bingham	Somerset	279 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989496.896	430453.595	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
102	65772	178		042-0055	1		Bingham	Somerset	277 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989475.434	430455.2851	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
103	65773	142		042-0055A	1		Bingham	Somerset	277 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989475.519	430454.4234	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
108	65803	145		042-0056	1		Bingham	Somerset	269 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989418.938	430479.8587	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
109	65804	153		042-0057	1		Bingham	Somerset	261 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989372.191	430497.8091	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
110	65805	154		042-0058	1		Bingham	Somerset	259 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989345.558	430502.5296	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
111	65806	155		042-0059	1		Bingham	Somerset	6 OWENS STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989351.304	430534.2605	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
112	65807	157		042-0060	1		Bingham	Somerset	10 OWENS STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989355.248	430562.4965	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
113	65808	156		042-0060a	1		Bingham	Somerset	10 OWENS STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989352.207	430566.2044	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
114	65809	158		042-0061	1		Bingham	Somerset	16 OWENS STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989360.288	430608.9392	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
115	65810	159		042-0062	1		Bingham	Somerset	20 OWENS STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989367.219	430633.9003	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study

Table 1

OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
116	65816	160		042-0063	1		Bingham	Somerset	29 OWENS STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989332.786	430708.8432	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
104	65774	139		042-0070	1		Bingham	Somerset	18 ROLLINS STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989561.316	430538.3954	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
105	65776	140		042-0071	1		Bingham	Somerset	15 ROLLINS STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989514.89	430552.6114	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
100	65770	137		042-0072	1		Bingham	Somerset	289 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989542.693	430441.238	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
99	65768	135		042-0073	1		Bingham	Somerset	291 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989566.505	430445.7239	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
98	65769	179		042-0073a	1		Bingham	Somerset	291 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989568.002	430446.6132	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
96	65766	180		042-0074	1		Bingham	Somerset	295 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989594.216	430457.7823	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
97	65767	134		042-0074a	1		Bingham	Somerset	295 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989595.263	430459.1833	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
87	65742	133		042-0075	1	BINGHAM UNION LIBRARY	Bingham	Somerset	297 MAIN STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989619.184	430462.9173	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
91	65777	138		042-0076	1		Bingham	Somerset	286 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989556.224	430399.4021	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
90	65761	132		042-0077	1		Bingham	Somerset	18 DINSMORE STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989589.544	430350.8838	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
92	65762	131		042-0078	1		Bingham	Somerset	20 DINSMORE STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989569.901	430259.1139	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
206	90443	181		N/A			Bingham	Somerset	40 Baker Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Lacks most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible as a contributor to that district.	Indirect	Intensive Survey	4989810.255	430204.419	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
207	90445	182		N/A			Bingham	Somerset	River Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989721.272	430225.7985	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
208	90448	183		N/A			Bingham	Somerset	River Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989720.596	430193.871	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
209	90444	184		N/A			Bingham	Somerset	30 Baker Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989677.925	430274.4194	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
210	90446	185		N/A			Bingham	Somerset	22 River Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Lacks most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989658.267	430301.7484	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
211	90426	186		N/A			Bingham	Somerset	19 River Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989755.789	430336.556	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
212	90451	188		N/A			Bingham	Somerset	Dinmore Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Lacks most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989593.216	430409.1722	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
213	90454	189		N/A			Bingham	Somerset	Dinmore Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Lacks most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989594.979	430395.7216	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
214	90455	190		N/A			Bingham	Somerset	1 Dinmore Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989640.131	430383.2371	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
215	90450	191		N/A			Bingham	Somerset	13 Dinmore Street	Preliminarily Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989639.568	430358.8035	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
216	90457	192		N/A			Bingham	Somerset	20A Dinmore Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Lacks most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989586.349	430307.9813	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
217	90456	193		N/A			Bingham	Somerset	Dinmore Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989579.734	430284.2294	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
218	90460	194		N/A			Bingham	Somerset	22 Dinmore Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Lacks most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989592.338	430272.7571	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
219	90461	195		N/A			Bingham	Somerset	22 Dinmore Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989572.445	430258.118	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study

Table 1

OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
220	90462	196		N/A			Bingham	Somerset	17 Dinmore Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989619.431	430288.3236	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
221	90463	197		N/A			Bingham	Somerset	Dinmore Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Lacks most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989556.339	430397.784	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
93	65763	130		042-0079	1		Bingham	Somerset	25 DINSMORE STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989610.821	430252.9358	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
222	90464	200		N/A			Bingham	Somerset	Lander Avenue	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Lacks most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989355.203	430223.7033	Not Determined	Point	Arnold Trail to Quebec Historic District/Bingham Village Historic District	Not Determined - Further Study
424	90452	201		N/A			Bingham	Somerset	Lander Avenue	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Lacks most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989391.107	430190.1536	Not Determined	Point	Arnold Trail to Quebec Historic District/Bingham Village Historic District	Not Determined - Further Study
425	90458	202		N/A			Bingham	Somerset	Lander Avenue	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Lacks most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989404.511	430242.3915	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
426	90459	203		N/A			Bingham	Somerset	Lander Avenue	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Lacks most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989449.244	430251.1531	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
427	90465	204		N/A			Bingham	Somerset	Lander Avenue	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Lacks most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989463.477	430186.0869	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
428	90466	205		N/A			Bingham	Somerset	Lander Avenue	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Lacks most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989409.477	430264.3697	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
429	90453	206		N/A			Bingham	Somerset	Lander Avenue	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Lacks most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989473.644	430253.1864	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
430	90469	207		N/A			Bingham	Somerset	Lander Avenue	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Lacks most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989498.153	430239.475	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
431	90470	208		N/A			Bingham	Somerset	Dinmore Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Lacks most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989554.371	430196.8328	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
249	90471	209		N/A			Bingham	Somerset	Lander Avenue	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989456.162	430408.7534	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
432	90472	210		N/A			Bingham	Somerset	Main Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989244.09	430545.2848	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
433	90468	211		N/A			Bingham	Somerset	Old Church Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989098.286	430546.1717	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
250	90473	212		N/A			Bingham	Somerset	Main Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989024.507	430579.5378	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
251	90474	213		N/A			Bingham	Somerset	Main Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Lacks most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989036.502	430624.6568	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
434	90475	214		N/A			Bingham	Somerset	Cooley Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989051.538	430629.1586	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
435	90447	215		N/A			Bingham	Somerset	Cooley Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Not Individually Eligible by MPHC. Based on the reconnaissance level survey, SEARCH concurs with this recommendation. However, the resource is included within the Bingham Village Historic District and is recommended preliminarily eligible as part of the district.	Indirect	Intensive Survey	4989059.101	430648.667	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
94	65764	129		042-0080	1		Bingham	Somerset	23 DINSMORE STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989615.993	430273.229	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
252	90478	216		N/A			Bingham	Somerset	Cooley Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4989062.703	430762.3664	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
471	92338	218		N/A			Bingham	Somerset	Main Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4988950.369	430697.7716	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
253	90476	219		N/A			Bingham	Somerset	Main Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Lacks most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4988893.523	430760.9725	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
254	90481	220		N/A			Bingham	Somerset	Main Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4988871.39	430780.5685	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
255	90484	222		N/A			Bingham	Somerset	Main Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4988845.318	430810.1143	Not Determined	Point	Bingham Village Historic District	Not Determined - Further Study
256	90477	223		N/A			Bingham	Somerset	Main Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4988821.064	430829.7059	Not Determined	Point	Arnold Trail to Quebec Historic District/Bingham Village Historic District	Not Determined - Further Study
257	90487	224		N/A			Bingham	Somerset	Main Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4988872.182	430708.696	Not Determined	Point	Arnold Trail to Quebec Historic District/Bingham Village Historic District	Not Determined - Further Study
258	90482	225		N/A			Bingham	Somerset	Main Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4988854.574	430723.5848	Not Determined	Point	Arnold Trail to Quebec Historic District/Bingham Village Historic District	Not Determined - Further Study

Table 1

OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
259	90483	226		N/A			Bingham	Somerset	Main Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4988834.227	430741.4502	Not Determined	Point	Arnold Trail to Quebec Historic District/Bingham Village Historic District	Not Determined - Further Study
95	65765	128		042-0081	1		Bingham	Somerset	17 DINSMORE STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989622.756	430310.5972	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
260	90486	229		N/A			Bingham	Somerset	Main Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4988813.04	430765.6873	Not Determined	Point	Arnold Trail to Quebec Historic District/Bingham Village Historic District	Not Determined - Further Study
436	90490	230		N/A			Bingham	Somerset	Main Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4988799.548	430864.4406	Not Determined	Point	Arnold Trail to Quebec Historic District/Bingham Village Historic District	Not Determined - Further Study
437	90488	231		N/A		167 Main Street	Bingham	Somerset	Main Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Lacks most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4988779.265	430891.6486	Not Determined	Point	Arnold Trail to Quebec Historic District/Bingham Village Historic District	Not Determined - Further Study
261	90493	232		N/A			Bingham	Somerset	159 Main Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4988747.141	430929.0151	Not Determined	Point	Arnold Trail to Quebec Historic District/Bingham Village Historic District	Not Determined - Further Study
262	90494	233		N/A			Bingham	Somerset	Main Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4988733.054	430948.5719	Not Determined	Point	Arnold Trail to Quebec Historic District/Bingham Village Historic District	Not Determined - Further Study
263	90495	234		N/A			Bingham	Somerset	Main Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4988713.037	430972.5337	Not Determined	Point	Arnold Trail to Quebec Historic District/Bingham Village Historic District	Not Determined - Further Study
264	90496	235		N/A			Bingham	Somerset	147 Main Street	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4988688.393	431007.9215	Not Determined	Point	Arnold Trail to Quebec Historic District/Bingham Village Historic District	Not Determined - Further Study
438	90497	236		N/A			Bingham	Somerset	Goodrich Road	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4988584.575	431161.0633	Not Determined	Point	Arnold Trail to Quebec Historic District/Bingham Village Historic District	Not Determined - Further Study
265	90498	237		N/A			Bingham	Somerset	Goodrich Road	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4988532.457	431200.5258	Not Determined	Point	Arnold Trail to Quebec Historic District/Bingham Village Historic District	Not Determined - Further Study
266	90491	238		N/A			Bingham	Somerset	Goodrich Road	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource is included within the Bingham Village Historic District and is recommended preliminarily eligible.	Indirect	Intensive Survey	4988577.128	431148.7441	Not Determined	Point	Arnold Trail to Quebec Historic District/Bingham Village Historic District	Not Determined - Further Study
818	90499	239		N/A			Pownal	Cumberland	Lawrence Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Single-family residence; recommended NRHP not eligible.	Indirect	No Further Survey	4864210.412	404187.9892	Not Eligible	Point	NA	Not Eligible
1188	90492	240		N/A			Pownal	Cumberland	Lawrence Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Garage; recommended NRHP not eligible.	Indirect	No Further Survey	4864218.053	404175.1495	Not Eligible	Point	NA	Not Eligible
819	90502	242		N/A			Pownal	Cumberland	Upper Minot Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Lake Cemetery; recommended NRHP not eligible.	Indirect	No Further Survey	4864427.443	404367.4586	Not Eligible	Point	NA	Not Eligible
820	90505	243		N/A			Pownal	Cumberland	Lawrence Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Single-family residence; recommended NRHP not eligible.	Indirect	No Further Survey	4864581.832	404247.7671	Not Eligible	Point	NA	Not Eligible
1189	90506	244		N/A			Pownal	Cumberland	Lawrence Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Single-family residence; recommended NRHP not eligible.	Indirect	No Further Survey	4864662.854	404262.6615	Not Eligible	Point	NA	Not Eligible
821	90500	245		N/A			Pownal	Cumberland	Lawrence Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Detached mixed-use barn; recommended NRHP not eligible.	None	No Further Survey	4864768.818	404342.7357	Not Eligible	Point	NA	Not Eligible
713	90501	246		N/A			Pownal	Cumberland	Lawrence Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Single-family residence; recommended NRHP not eligible.	None	No Further Survey	4864749.948	404328.3932	Not Eligible	Point	NA	Not Eligible
1190	90503	247		N/A			Pownal	Cumberland	Lawrence Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Garage; recommended NRHP not eligible.	None	No Further Survey	4864861.361	404380.0363	Not Eligible	Point	NA	Not Eligible
1191	90504	248		N/A			Pownal	Cumberland	Lawrence Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Single-family residence; recommended NRHP not eligible.	None	No Further Survey	4864963.62	404336.8193	Not Eligible	Point	NA	Not Eligible
88	65744	126		042-0082	1		Bingham	Somerset	300 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989652.164	430430.6068	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
89	65745	127		042-0082a	1		Bingham	Somerset	300 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989626.035	430423.8918	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
161	65729	125		042-0114	1		Bingham	Somerset	14 RIVER STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989706.53	430383.1196	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
162	65730	124		042-0115	1		Bingham	Somerset	18 RIVER STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989695.707	430349.9296	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
163	65731	123		042-0116	1		Bingham	Somerset	20 RIVER STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989694.379	430312.4031	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
164	65732	122		042-0117	1		Bingham	Somerset	30 RIVER STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989678.124	430276.6375	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
165	65733	121		042-0118	1		Bingham	Somerset	28 RIVER STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989677.918	430249.9278	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study

Table 1

OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
166	65734	120		042-0119	1		Bingham	Somerset	27 RIVER STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989729.852	430271.276	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
167	65735	119		042-0120	1		Bingham	Somerset	21 RIVER STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination. SEARCH also recommends this resource is further researched as part of the Bingham Village Historic District.	Indirect	Finding of Effects	4989732.784	430300.0867	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
168	65736	118		042-0121	1		Bingham	Somerset	19 RIVER STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989738.826	430325.9897	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
86	65737	117		042-0122	1		Bingham	Somerset	17 RIVER STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989744.52	430347.3787	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
160	65626	112		042-0156	1		Bingham	Somerset	31 BAKER STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989825.182	430289.7066	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
159	65625	113		042-0157	1		Bingham	Somerset	35 BAKER STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989821.628	430269.6664	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
158	65624	114		042-0158	1		Bingham	Somerset	37 BAKER STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989821.055	430253.3488	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
157	65623	115		042-0159	1		Bingham	Somerset	36 BAKER STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989789.567	430273.4888	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
156	65622	116		042-0160	1		Bingham	Somerset	34 BAKER STREET	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989797.087	430305.4901	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
129	65334	1546		042-0201	1		Bingham	Somerset	226 Main Street/Route 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	Part of potentially eligible HD	This resource retains all aspects of integrity	Mid 19th century residence. MHPC determined eligible in October 2013. Based on this reconnaissance survey, SEARCH concurs this resource remains eligible for NRHP as part of a historic district	Indirect	Finding of Effects	4989048.45	430564.2546	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
130	65343	172		042-0202	1		Bingham	Somerset	219 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989062.969	430609.4592	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
131	65344	171		042-0202a	1		Bingham	Somerset	219 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989067.567	430605.0839	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
132	65342	170		042-0203	1		Bingham	Somerset	223 MAIN STREET/ROUTE 201	Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4989085.59	430600.2305	Eligible	Point	Bingham Village Historic District	Listed/Eligible - Further Study
		69000018	69000018	69000018	1	Arnold Trail to Quebec Historic District	Multi	Multi	N/A	N/A	N/A	Listed	A: American Revolution; B: Person	Retains varying degrees of integrity	The Arnold Trail to Quebec is NRHP Listed. Based on the reconnaissance survey, SEARCH contends that the Trail remains NRHP Listed.	Direct	Finding of Effects			Listed	Polygon	Yes	Listed/Eligible - Further Study
662	78647	886		151-0186a	1		Farmington	Franklin	341 Knowlton Corner Road	Not Eligible	No	Not Eligible	N/A: No longer extant	Demolished	MHPC determined eligible in February 2015. Based on this reconnaissance survey, SEARCH determined barn has been demolished and is therefore no longer eligible for NRHP	Indirect	No Further Survey	4942203.993	409991.6961	Not Eligible	Point	NA	Not Eligible
661	78650	885	x	154-0186	1		Farmington	Franklin	341 Knowlton Corner Road	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance due to loss of setting.	This resource retains modest integrity	Feb. 2015, MHPC made no determination of eligibility due to lack of information. Based on this reconnaissance survey, SEARCH determined farmstead does not retain sufficient integrity due to loss of historic barns. House lacks significance for individual listing on NRHP. recommended NRHP not eligible	Indirect	No Further Survey	4942184.074	410042.0985	Not Eligible	Point	NA	Not Eligible
642	79898	979		154-0192	1	Henry Hardy Farm	Farmington	Franklin	360 Weeks Mills Road	Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains most aspects of integrity	Late 19th c. farmhouse. MHPC determined eligible in April 2015. Based on this reconnaissance survey, SEARCH concurs this resource remains eligible for NRHP	Indirect	Finding of Effects	4949058.417	412763.9276	Eligible	Point	NA	Listed/Eligible - Further Study
643	79908	982		154-0192a	1	Henry Hardy Farm	Farmington	Franklin	360 Weeks Mills Road	Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains most aspects of integrity	Mid 20th c. dairy barn. MHPC determined eligible in April 2015. Based on this reconnaissance survey, SEARCH concurs this resource remains eligible for NRHP	Indirect	Finding of Effects	4949090.945	412774.1849	Eligible	Point	NA	Listed/Eligible - Further Study
644	79911	981		154-0192b	1	Henry Hardy Farm	Farmington	Franklin	360 Weeks Mills Road	Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains modest integrity	Late 19th c. dairy barn. MHPC determined eligible in April 2015. Based on this reconnaissance survey, SEARCH concurs this resource remains eligible for NRHP	Indirect	Finding of Effects	4949084.183	412788.3575	Eligible	Point	NA	Listed/Eligible - Further Study
645	79906	980		154-0192c	1	Henry Hardy Farm	Farmington	Franklin	360 Weeks Mills Road	Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains most aspects of integrity	Early 20th c. dairy barn. MHPC determined eligible in April 2015. Based on this reconnaissance survey, SEARCH concurs this resource remains eligible for NRHP	Indirect	Finding of Effects	4949090.866	412817.3739	Eligible	Point	NA	Listed/Eligible - Further Study

Table 1

OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
822	90508	276		N/A			Pownal	Cumberland	Fickett Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Replacement windows, siding, and roofing along with multiple alterations to the form affect its integrity.	Single-family residence with connected barn; recommended NRHP ineligible	Direct	No Further Survey	4865412.363	403030.8894	Not Eligible	Point	NA	Not Eligible
823	90509	277		N/A		Country Charm Acres	Pownal	Cumberland	Fickett Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Does not retain sufficient integrity.	Rear former stable addition partially converted to residential use; recommended NRHP ineligible	Direct	No Further Survey	4865413.495	403041.4582	Not Eligible	Point	NA	Not Eligible
824	90510	278		N/A			Pownal	Cumberland	Fickett Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Single-family residence; recommended NRHP ineligible	Indirect	No Further Survey	4865505.331	402867.5476	Not Eligible	Point	NA	Not Eligible
1192	90511	279		N/A			Pownal	Cumberland	Fickett Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Detached barn; recommended NRHP ineligible	Indirect	No Further Survey	4865511.837	402855.156	Not Eligible	Point	NA	Not Eligible
825	90512	280		N/A			New Gloucester	Cumberland	Pownal Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Replacement windows, siding, and roofing along with multiple alterations to the form affect its integrity.	Single-family residence; recommended NRHP ineligible	Indirect	No Further Survey	4865634.707	402616.3552	Not Eligible	Point	NA	Not Eligible
826	90514	281		N/A			Pownal	Cumberland	Sweetser Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Single-family residence; recommended NRHP ineligible	Indirect	No Further Survey	4864370.729	402569.1351	Not Eligible	Point	NA	Not Eligible
1193	90507	282		N/A			Pownal	Cumberland	Sweetser Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Mixed use barn; recommended NRHP ineligible	Indirect	No Further Survey	4864404.044	402594.2576	Not Eligible	Point	NA	Not Eligible
1194	90515	283		N/A			Pownal	Cumberland	Sweetser Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Single-family residence; recommended NRHP ineligible	Indirect	No Further Survey	4864446.918	402488.6426	Not Eligible	Point	NA	Not Eligible
1195	90516	284		N/A			Pownal	Cumberland	Sweetser Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Garage; recommended NRHP ineligible	Indirect	No Further Survey	4864445.872	402508.5108	Not Eligible	Point	NA	Not Eligible
1196	90517	285		N/A			Pownal	Cumberland	Lawrence Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Does not retain sufficient integrity.	Single-family residence; recommended NRHP ineligible	Indirect	No Further Survey	4865914.026	404197.3056	Not Eligible	Point	NA	Not Eligible
1197	90518	286		N/A			Pownal	Cumberland	Lawrence Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Does not retain sufficient integrity.	Barn; recommended NRHP ineligible	Indirect	No Further Survey	4865915.914	404183.9158	Not Eligible	Point	NA	Not Eligible
827	90519	287		N/A		Firefly Farm	Pownal	Cumberland	Lawrence Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Replacement windows, siding, and roofing along with multiple alterations to the form affect its integrity.	Single-family residence; recommended NRHP ineligible	Indirect	No Further Survey	4865977.949	404116.2829	Not Eligible	Point	NA	Not Eligible
1198	90520	288		N/A			Pownal	Cumberland	Lawrence Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Barn; recommended NRHP ineligible	Indirect	No Further Survey	4865973.164	404098.4876	Not Eligible	Point	NA	Not Eligible
828	90523	289		N/A			Pownal	Cumberland	Lawrence Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Single-family residence; recommended NRHP ineligible	Indirect	No Further Survey	4865988.563	404183.4376	Not Eligible	Point	NA	Not Eligible
829	90524	290		N/A			Pownal	Cumberland	Lawrence Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Single-family residence; recommended NRHP ineligible	Indirect	No Further Survey	4866063.856	404141.3912	Not Eligible	Point	NA	Not Eligible
856	91587	291		N/A			Durham	Androscoggin	Durham Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Single-family residence; recommended NRHP ineligible	Indirect	No Further Survey	4866681.821	403740.6577	Not Eligible	Point	NA	Not Eligible
857	91605	292		N/A			Durham	Androscoggin	Durham Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Detached Barn; recommended NRHP ineligible	Indirect	No Further Survey	4866700.25	403731.5307	Not Eligible	Point	NA	Not Eligible
858	91615	293		N/A			Durham	Androscoggin	Durham Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Detached Barn; recommended NRHP ineligible	Indirect	No Further Survey	4866695.042	403733.7133	Not Eligible	Point	NA	Not Eligible
861	91622	294		N/A			Durham	Androscoggin	Durham Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Detached Barn; recommended NRHP ineligible	Pending	No Further Survey	4866699.488	403743.5998	Not Eligible	Point	NA	Not Eligible
1199	90527	295		N/A			New Gloucester	Cumberland	Durham Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Detached Barn; recommended NRHP ineligible	Indirect	No Further Survey	4866972.476	403417.6385	Not Eligible	Point	NA	Not Eligible
830	90480	296		N/A			New Gloucester	Cumberland	Durham Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Single-family residence; recommended NRHP ineligible	Indirect	No Further Survey	4866945.819	403442.7548	Not Eligible	Point	NA	Not Eligible
831	90528	298		N/A			New Gloucester	Cumberland	43 Durham Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Less than 50 years old.	Following fieldwork, this building was confirmed to be less than 50 years old. Therefore it does not meet the age criteria for NRHP eligibility, and is therefore recommended NRHP not eligible or for NRHP eligibility.	Direct	No Further Survey	4867222.942	403280.1848	Not Eligible	Point	NA	Not Eligible
864	91641	299		N/A			Durham	Androscoggin	Auburn Pownal Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Single-family residence; recommended NRHP ineligible	Indirect	No Further Survey	4866777.025	403852.6693	Not Eligible	Point	NA	Not Eligible
869	91637	300		N/A			Durham	Androscoggin	Auburn Pownal Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Single-family residence; recommended NRHP ineligible	Indirect	No Further Survey	4866801.316	403904.9544	Not Eligible	Point	NA	Not Eligible
865	91634	301		N/A			Durham	Androscoggin	Auburn Pownal Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Detached Barn; recommended NRHP ineligible	Indirect	No Further Survey	4866770.932	403878.8704	Not Eligible	Point	NA	Not Eligible
866	90532	302		N/A			Durham	Androscoggin	Auburn Pownal Rd	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Detached Barn; recommended NRHP ineligible	Indirect	No Further Survey	4868424.79	403369.7055	Not Eligible	Point	NA	Not Eligible

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867	90533	303		N/A			Durham	Androscoggin	Stackpole Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Replacement windows, siding, and roofing affect its integrity.	Single-family residence; recommended NRHP ineligible	Direct	No Further Survey	4868937.286	403800.4958	Not Eligible	Point	NA	Not Eligible
836	90678	304		N/A		Bradbury Cemetery	Durham	Androscoggin	Stackpole Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Replacement windows, siding, and roofing along with multiple alterations to the form affect its integrity.	Single-family residence; recommended NRHP ineligible	Indirect	No Further Survey	4869367.521	404073.6298	Not Eligible	Point	NA	Not Eligible
1200	90534	305		N/A		Bowie Farm	Durham	Androscoggin	636 Stackpole Rd	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Bradbury Cemetery; recommended NRHP ineligible	Direct	No Further Survey	4869814.574	404769.1139	Not Eligible	Point	NA	Not Eligible
1201	90535	306		N/A		Bowie Farm	Durham	Androscoggin	636 Stackpole Rd	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Single-family residence; recommended NRHP ineligible	Direct	No Further Survey	4869799.384	404742.1032	Not Eligible	Point	NA	Not Eligible
868	90538	308		N/A			Durham	Androscoggin	Auburn Pownal Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Replacement windows, siding, and roofing affect its integrity.	Single-family residence; recommended NRHP ineligible	Indirect	No Further Survey	4868696.181	403260.188	Not Eligible	Point	NA	Not Eligible
1202	90539	309		N/A			Durham	Androscoggin	202 Stackpole Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Replacement windows, siding, and roofing affect its integrity.	Single-family residence; recommended NRHP ineligible	Indirect	No Further Survey	4872612.451	405566.6096	Not Eligible	Point	NA	Not Eligible
870	90541	310		N/A			Durham	Androscoggin	23 Coultier Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Replacement windows, siding, and roofing affect its integrity.	Single-family residence; recommended NRHP ineligible	Indirect	No Further Survey	4872771.125	405344.3788	Not Eligible	Point	NA	Not Eligible
1145	92541	311		N/A			Durham	Androscoggin	19 Stackpole Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Barn; recommended NRHP ineligible	Direct	No Further Survey	4873652.442	406138.6451	Not Eligible	Point	NA	Not Eligible
1146	92543	312		N/A			Durham	Androscoggin	19 Stackpole Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	Retains most aspects of integrity	Barn; recommended NRHP ineligible	Direct	No Further Survey	4873674.349	406152.2066	Not Eligible	Point	NA	Not Eligible
1147	92545	313		N/A			Durham	Androscoggin	19 Stackpole Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Replacement windows, siding, and roofing affect its integrity.	Barn; recommended NRHP ineligible	Direct	No Further Survey	4873676.435	406167.1591	Not Eligible	Point	NA	Not Eligible
1148	92548	314		N/A			Durham	Androscoggin	19 Stackpole Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Replacement windows, siding, and roofing affect its integrity.	Single-family residence; recommended NRHP ineligible	Direct	No Further Survey	4873689.649	406186.9798	Not Eligible	Point	NA	Not Eligible
1149	92551	315		N/A			Durham	Androscoggin	19 Stackpole Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Replacement windows, siding, and roofing affect its integrity.	Barn/garage; recommended NRHP ineligible	Direct	No Further Survey	4873633.664	406154.6408	Not Eligible	Point	NA	Not Eligible
1203	90543	316		N/A			Durham	Androscoggin	45 Royalsborough Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Replacement windows, siding, and roofing affect its integrity.	Single-family residence; recommended NRHP ineligible	Indirect	No Further Survey	4874339.284	406198.9633	Not Eligible	Point	NA	Not Eligible
1204	90547	317		N/A			Durham	Androscoggin	45 Royalsborough Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Replacement windows, siding, and roofing affect its integrity.	Barn; recommended NRHP ineligible	Indirect	No Further Survey	4874329.238	406181.6615	Not Eligible	Point	NA	Not Eligible
650	92567	318		N/A			Durham	Androscoggin	117 Royalsborough Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Retains most integrity	Barn; recommended NRHP ineligible	Direct	No Further Survey	4874459.874	406060.7533	Not Eligible	Point	NA	Not Eligible
651	92561	319		N/A			Durham	Androscoggin	117 Royalsborough Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Loss of roof vents and modified window openings; retains modest integrity	Barn; recommended NRHP ineligible	Direct	No Further Survey	4874468.22	406041.2804	Not Eligible	Point	NA	Not Eligible
649	92566	320		N/A			Durham	Androscoggin	117 Royalsborough Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Replacement windows, siding, and roofing affect its integrity.	Single-family residence; recommended NRHP ineligible	Direct	No Further Survey	4874504.384	406073.2716	Not Eligible	Point	NA	Not Eligible
652	92568	321		N/A			Durham	Androscoggin	117 Royalsborough Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Retains integrity	Barn; recommended NRHP ineligible	Direct	No Further Survey	4874446.66	405964.7794	Not Eligible	Point	NA	Not Eligible
653	92562	322		N/A			Durham	Androscoggin	117 Royalsborough Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Retains modest integrity	Coop; recommended NRHP ineligible	Direct	No Further Survey	4874456.397	405976.9501	Not Eligible	Point	NA	Not Eligible
647	79912	983		154-0192d	1	Henry Hardy Farm	Farmington	Franklin	360 Weeks Mills Road	Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains modest integrity	Mid 20th c. small outbuilding. MHPC determined eligible in April 2015. Based on this reconnaissance survey, SEARCH concurs this resource remains eligible for NRHP	Indirect	Finding of Effects	4949093.514	412746.2895	Eligible	Point	NA	Listed/Eligible - Further Study
641	79901	1517		154-0192hfs	1	Henry Hardy Farm	Farmington	Franklin	360 Weeks Mills Road	Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains most aspects of integrity	Late 19th thru mid 20th century farmstead, still operating as farm. MHPC determined eligible in April 2015. Based on this reconnaissance survey, SEARCH concurs this resource remains eligible for NRHP	Indirect	Finding of Effects	4949057.912	412650.1084	Eligible	Point	NA	Listed/Eligible - Further Study
795	90569	325		N/A			Auburn	Androscoggin	2297 Riverside Drive	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	Retains modest integrity	Late 19th c. shed; recommended NRHP not eligible	Indirect	No Further Survey	4874754.189	405779.6292	Not Eligible	Point	NA	Not Eligible
646	79907	984		154-0193	1	Henry Hardy Farm	Farmington	Franklin	360 Weeks Mills Road	Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains modest integrity	Mid 20th c. garage. MHPC determined eligible in April 2015. Based on this reconnaissance survey, SEARCH concurs this resource remains eligible for NRHP	Indirect	Finding of Effects	4949094.858	412734.8645	Eligible	Point	NA	Listed/Eligible - Further Study
628	57821	584		180-0001	1	Universalist Church /180-0001	Greene	Androscoggin	398 Route 202	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4892792.63	406906.1928	Not Eligible	Point	NA	Not Eligible
835	90669	328		N/A		Garcelon Cemetery	Lewiston	Androscoggin	Ferry Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	Retains integrity	cemetery; recommended NRHP not eligible	Indirect	No Further Survey	4876446.702	405850.1008	Not Eligible	Point	NA	Not Eligible

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871	90567	329		N/A		Elder James Garcelon House	Lewiston	Androscoggin	241 Ferry Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	Retains modest integrity. Replacement windows, siding, and roofing affect its integrity.	Single-family residence; recommended NRHP not eligible	Indirect	No Further Survey	4877039.046	406256.3909	Not Eligible	Point	NA	Not Eligible
675	90574	330		N/A			Lewiston	Androscoggin	241 Ferry Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	Retains modest integrity.	Barn/garage; recommended NRHP not eligible	Indirect	No Further Survey	4877019.092	406243.1876	Not Eligible	Point	NA	Not Eligible
539	32101	624		180-0002	1		Greene	Androscoggin	74 North Line Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4900535.902	406868.4112	Not Eligible	Point	NA	Not Eligible
541	29784	625		180-0013c	1	Welcome Home Farm	Greene	Androscoggin	8 Gilbert Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4900747.538	406182.8609	Not Eligible	Point	NA	Not Eligible
872	90580	333		N/A			Lewiston	Androscoggin	217 Ferry Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	Retains modest integrity.	20th c. garage; recommended NRHP not eligible	Indirect	No Further Survey	4877359.02	406471.4564	Not Eligible	Point	NA	Not Eligible
873	90583	334		N/A			Lewiston	Androscoggin	175 Ferry Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4877965.304	406444.3343	Not Eligible	Point	NA	Not Eligible
656	92570	335		N/A		Stukas Farms	Lewiston	Androscoggin	144 Ferry Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Outbuilding, part of mid 19th century farmstead with orchards; recommended preliminarily eligible.	Direct	Intensive Survey	4878324.525	406687.3505	Not Determined	Point	NA	Not Determined - Further Study
657	92575	336		N/A		Stukas Farms	Lewiston	Androscoggin	144 Ferry Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Barn, part of mid 19th century farmstead with orchards; recommended preliminarily eligible.	Direct	Intensive Survey	4878351.609	406674.5473	Not Determined	Point	NA	Not Determined - Further Study
658	92573	337		N/A		Stukas Farms	Lewiston	Androscoggin	144 Ferry Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Garage, part of mid 19th century farmstead with orchards; recommended preliminarily eligible.	Direct	Intensive Survey	4878334.374	406651.8954	Not Determined	Point	NA	Not Determined - Further Study
655	92572	338		N/A		Stukas Farms	Lewiston	Androscoggin	144 Ferry Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Prior survey in August 2003, no determination made by MHPC. Based on this reconnaissance survey, SEARCH recommends NRHP preliminarily eligible.	Direct	Intensive Survey	4878351.609	406638.1072	Not Determined	Point	NA	Not Determined - Further Study
874	90585	340		N/A			Lewiston	Androscoggin	Ferry Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4878938.306	406424.9414	Not Eligible	Point	NA	Not Eligible
1218	90590	343		N/A		Nelson Ham Farmhouse /Hatch Farm	Lewiston	Androscoggin	Big Dens Way (180 Dyer Rd)	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4876827.023	406903.6097	Not Eligible	Point	NA	Not Eligible
1217	90591	344		N/A		Nelson Ham Farm /Hatch Farm	Lewiston	Androscoggin	Big Dens Way (180 Dyer Rd)	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4876802.352	406959.8266	Not Eligible	Point	NA	Not Eligible
875	90594	345		N/A			Lewiston	Androscoggin	133 Dyer Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4877527.65	407253.3874	Not Eligible	Point	NA	Not Eligible
876	90582	347		N/A			Lewiston	Androscoggin	1841 N Lisbon Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains modest integrity	Single-family residence; recommended NRHP ineligible	Direct	No Further Survey	4879521.31	407338.4754	Not Eligible	Point	NA	Not Eligible
796	90596	348		N/A			Lewiston	Androscoggin	Lisbon St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4879605.429	407428.1631	Not Eligible	Point	NA	Not Eligible
877	90598	349		N/A			Lewiston	Androscoggin	Lisbon St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4879620.234	407434.1975	Not Eligible	Point	NA	Not Eligible
878	90601	350		N/A			Lewiston	Androscoggin	Lisbon St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4879621.405	407462.6078	Not Eligible	Point	NA	Not Eligible
834	90668	352		N/A		Clough Cemetery	Lewiston	Androscoggin	S Lisbon Rd	Preliminarily Eligible	No	Not Eligible	A: Settlement; C:Architecture, design	Retains most aspects of integrity	Clough Cemetery; recommended preliminarily NRHP eligible	Indirect	Intensive Survey	4879452.13	408010.3163	Not Determined	Point	NA	Not Determined - Further Study
879	90599	353		N/A			Lewiston	Androscoggin	56 S Lisbon Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains modest integrity	Single-family residence; recommended NRHP ineligible	Indirect	No Further Survey	4879288.73	408329.2639	Not Eligible	Point	NA	Not Eligible
797	90600	354		N/A			Lewiston	Androscoggin	4 S Lisbon Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4879322.257	408301.672	Not Eligible	Point	NA	Not Eligible
880	90597	355		N/A		Jeremiah Clough House	Lewiston	Androscoggin	41 S Lisbon Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4879398.207	408168.7158	Not Eligible	Point	NA	Not Eligible
623	57791	575		180-0015	1	St. Francis Lithuanian Mission /St. Francis Catholic Church	Greene	Androscoggin	344 Route 202	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Direct	No Further Survey	4892475.828	406639.672	Not Eligible	Point	NA	Not Eligible
798	90604	357		N/A			Lewiston	Androscoggin	22 S Lisbon Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4879598.315	407946.9673	Not Eligible	Point	NA	Not Eligible
882	90602	358		N/A			Lewiston	Androscoggin	22 S Lisbon Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4879592.289	407924.8591	Not Eligible	Point	NA	Not Eligible
799	90607	359		N/A			Lewiston	Androscoggin	19 S Lisbon Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4879553.857	407886.8987	Not Eligible	Point	NA	Not Eligible
624	57812	581		180-0016	1	Valley Cemetery /New Valley Cemetery	Greene	Androscoggin	south of 398 Route 202	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	New Valley Cemetery was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4892730.187	406817.771	Not Eligible	Point	NA	Not Eligible
800	90603	361		N/A			Lewiston	Androscoggin	254 Old Lisbon Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4879642.489	408010.1099	Not Eligible	Point	NA	Not Eligible
883	90616	362		N/A			Lewiston	Androscoggin	254 Old Lisbon Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4879620.959	407986.0107	Not Eligible	Point	NA	Not Eligible

Table 1

OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
625	57815	580		180-0017	1	Valley Cemetery /Old Valley Cemetery	Greene	Androscoggin	.10 mile north of 343 Route 202	Eligible	No	Not Eligible	A: Early settlement and development	Retains most aspects of integrity	Old Valley Cemetery was previously determined NRHP eligible by MHPC. Based on the reconnaissance survey, SEARCH contends the resource remains Eligible.	Indirect	Finding of Effects	4892624.085	406844.4347	Eligible	Point	NA	Listed/Eligible - Further Study
801	90625	364		N/A			Lewiston	Androscoggin	223 Old Lisbon Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4879738.135	407833.1147	Not Eligible	Point	NA	Not Eligible
626	57818	582		180-0018	1	Greenwood Cemetery	Greene	Androscoggin	southeast of 398 Route 202	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4892697.756	406916.517	Not Eligible	Point	NA	Not Eligible
627	57820	583		180-0019	1	Androscoggin County Mail Route Historical Marker	Greene	Androscoggin	south of 398 Route 202	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4892752.549	406908.8998	Not Eligible	Point	NA	Not Eligible
629	57822	585		180-0020	1		Greene	N/A	401 Route 202	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4892770.55	406982.7519	Not Eligible	Point	NA	Not Eligible
630	57823	586		180-0021	1		Greene	Androscoggin	401 Route 202	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4892789.749	406989.7808	Not Eligible	Point	NA	Not Eligible
631	57824	587		180-0022	1		Greene	Androscoggin	407 Route 202	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4892816.291	407023.5959	Not Eligible	Point	NA	Not Eligible
632	57826	588		180-0023	1		Greene	Androscoggin	407 Route 202	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4892837.992	407040.734	Not Eligible	Point	NA	Not Eligible
633	57827	589		180-0024	1		Greene	Androscoggin	northwest corner of West Maine Street and Route 202	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4892858.736	406979.747	Not Eligible	Point	NA	Not Eligible
802	90618	373		N/A		Lewiston Grange #2	Lewiston	Androscoggin	2 Crowley Rd	Preliminarily Eligible	No	Not Eligible	A: Social history, civic affairs; C: Architecture	Retains most aspects of integrity	Lewiston Grange No. 2, recommended preliminarily NRHP eligible	Indirect	Intensive Survey	4879523.625	408188.4271	Not Determined	Point	NA	Not Determined - Further Study
884	90626	374		N/A			Lewiston	Androscoggin	15 Crowley Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4879539.962	408278.6507	Not Eligible	Point	NA	Not Eligible
803	90627	375		N/A			Lewiston	Androscoggin	9 Crowley Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4879583.693	408289.2	Not Eligible	Point	NA	Not Eligible
804	90628	376		N/A			Lewiston	Androscoggin	Crowley Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4879632.958	408359.5071	Not Eligible	Point	NA	Not Eligible
885	90631	377		N/A			Lewiston	Androscoggin	34 Crowley Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4879686.494	408346.374	Not Eligible	Point	NA	Not Eligible
805	90632	378		N/A			Lewiston	Androscoggin	35 Crowley Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4879663.916	408373.7702	Not Eligible	Point	NA	Not Eligible
806	90633	379		N/A			Lewiston	Androscoggin	35 Crowley Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4879658.384	408386.8114	Not Eligible	Point	NA	Not Eligible
807	90634	380		N/A			Lewiston	Androscoggin	Old Webster Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4880560.598	408580.8486	Not Eligible	Point	NA	Not Eligible
1051	90620	381		N/A			Lewiston	Androscoggin	Old Webster Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4881111.756	407906.8228	Not Eligible	Point	NA	Not Eligible
896	90635	382		N/A			Lewiston	Androscoggin	135 Old Webster Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4881138.112	407827.9688	Not Eligible	Point	NA	Not Eligible
808	90636	383		N/A			Lewiston	Androscoggin	Old Webster Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4881205.667	407424.1338	Not Eligible	Point	NA	Not Eligible
809	90630	385		N/A			Lewiston	Androscoggin	353 Randall Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4882217.246	407676.2848	Not Eligible	Point	NA	Not Eligible
833	90660	386		N/A		Randall Road Cemetery	Lewiston	Androscoggin	Randall Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4882289.94	407723.6861	Not Eligible	Point	NA	Not Eligible
634	57832	1577		180-0025	1		Greene	Androscoggin	11 W Main Street	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Demolished	MHPC previously determined this resource was Not Eligible. During the reconnaissance survey, SEARCH confirmed the resource has been demolished, and therefore recommends this resource remains Not Eligible.	Indirect	No Further Survey	4892894.65	406995.9258	Not Eligible	Point	NA	Not Eligible
897	90637	388		N/A			Lewiston	Androscoggin	385 Randall Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4882247.194	408135.4052	Not Eligible	Point	NA	Not Eligible
898	90638	389		N/A			Lewiston	Androscoggin	389 Randall Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4882262.936	408185.5332	Not Eligible	Point	NA	Not Eligible
811	90640	390		N/A			Lewiston	Androscoggin	388 Grove St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4881865.508	409328.1487	Not Eligible	Point	NA	Not Eligible
899	90621	391		N/A			Lewiston	Androscoggin	388 Grove St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4881859.018	409311.647	Not Eligible	Point	NA	Not Eligible

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OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
812	90605	392		N/A			Lewiston	Androscoggin	388 Grove St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4881902.656	409322.4245	Not Eligible	Point	NA	Not Eligible
900	90606	393		N/A			Lewiston	Androscoggin	380 Grove St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4881908.108	409256.9085	Not Eligible	Point	NA	Not Eligible
902	90643	394		N/A			Lewiston	Androscoggin	302 Grove St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4882137.486	408731.05	Not Eligible	Point	NA	Not Eligible
903	90644	395		N/A			Lewiston	Androscoggin	291 Grove St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4882090.498	408690.7287	Not Eligible	Point	NA	Not Eligible
813	90641	396		N/A			Lewiston	Androscoggin	291 Grove St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4882094.717	408613.6491	Not Eligible	Point	NA	Not Eligible
814	90642	397		N/A			Lewiston	Androscoggin	291 Grove St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4882082.861	408609.6973	Not Eligible	Point	NA	Not Eligible
815	90645	398		N/A			Lewiston	Androscoggin	290 Grove St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4882183.634	408657.9102	Not Eligible	Point	NA	Not Eligible
816	90648	399		N/A			Lewiston	Androscoggin	290 Grove St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4882200.627	408665.4187	Not Eligible	Point	NA	Not Eligible
817	90649	400		N/A			Lewiston	Androscoggin	231 Grove St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4882450.976	408275.5659	Not Eligible	Point	NA	Not Eligible
905	90651	401		N/A			Lewiston	Androscoggin	188 Grove St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4882712.836	408060.4694	Not Eligible	Point	NA	Not Eligible
832	90655	402		N/A			Lewiston	Androscoggin	178 Grove St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4882766.339	408020.0769	Not Eligible	Point	NA	Not Eligible
887	90656	403		N/A			Lewiston	Androscoggin	169 Grove St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4882774.363	407908.9401	Not Eligible	Point	NA	Not Eligible
906	90639	404		N/A			Lewiston	Androscoggin	166 Grove St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4882826.149	407919.9122	Not Eligible	Point	NA	Not Eligible
907	90692	405		N/A			Lewiston	Androscoggin	1090 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883680.841	407864.0012	Not Eligible	Point	NA	Not Eligible
840	90701	406		N/A			Lewiston	Androscoggin	1093 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883624.291	407937.8779	Not Eligible	Point	NA	Not Eligible
841	90663	407		N/A			Lewiston	Androscoggin	1103 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883622.513	407969.4929	Not Eligible	Point	NA	Not Eligible
908	90708	408		N/A			Lewiston	Androscoggin	1130 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883647.741	408155.1615	Not Eligible	Point	NA	Not Eligible
909	90711	409		N/A			Lewiston	Androscoggin	1136 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883649.215	408184.4948	Not Eligible	Point	NA	Not Eligible
843	90702	410		N/A			Lewiston	Androscoggin	1139 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883602.105	408227.851	Not Eligible	Point	NA	Not Eligible
844	90713	411		N/A			Lewiston	Androscoggin	1139 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883614.828	408219.4651	Not Eligible	Point	NA	Not Eligible
846	90718	412		N/A			Lewiston	Androscoggin	1140 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883660.649	408231.5024	Not Eligible	Point	NA	Not Eligible
910	90721	413		N/A			Lewiston	Androscoggin	1146 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883673.976	408269.9677	Not Eligible	Point	NA	Not Eligible
847	90724	414		N/A			Lewiston	Androscoggin	1146 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883688.114	408257.9799	Not Eligible	Point	NA	Not Eligible
911	90726	415		N/A			Lewiston	Androscoggin	1147 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883651.395	408337.5715	Not Eligible	Point	NA	Not Eligible
850	90734	416		N/A			Lewiston	Androscoggin	1149 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883667.346	408362.9742	Not Eligible	Point	NA	Not Eligible
659	76460	565		180-0029	1		Greene	Androscoggin	297? US Route 202	Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Previously determined NRHP eligible by MHPC. Based on the reconnaissance survey, SEARCH contends the resource remains Eligible.	Indirect	Finding of Effects	4892236.727	406510.2429	Eligible	Point	NA	Listed/Eligible - Further Study
912	90716	418		N/A			Lewiston	Androscoggin	1223 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4883811.813	408753.8421	Not Eligible	Point	NA	Not Eligible
913	90743	419		N/A			Lewiston	Androscoggin	1220 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4883866.838	408742.1764	Not Eligible	Point	NA	Not Eligible
914	90764	420		N/A			Lewiston	Androscoggin	1231 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883907.511	408958.055	Not Eligible	Point	NA	Not Eligible
852	90768	421		N/A			Lewiston	Androscoggin	1235 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883935.502	409016.7407	Not Eligible	Point	NA	Not Eligible

Table 1

OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
915	90769	422		N/A			Lewiston	Androscoggin	1237 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883950.705	409044.4685	Not Eligible	Point	NA	Not Eligible
663	90772	423		N/A			Lewiston	Androscoggin	1248 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883993.594	409027.8059	Not Eligible	Point	NA	Not Eligible
667	90783	424		N/A			Lewiston	Androscoggin	1241 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883971.069	409092.6167	Not Eligible	Point	NA	Not Eligible
668	90786	425		N/A			Lewiston	Androscoggin	1241 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883965.141	409086.1008	Not Eligible	Point	NA	Not Eligible
916	90789	426		N/A			Lewiston	Androscoggin	1291 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4884054.111	409252.8105	Not Eligible	Point	NA	Not Eligible
669	90790	427		N/A			Lewiston	Androscoggin	1293 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4884055.101	409283.0426	Not Eligible	Point	NA	Not Eligible
917	90793	428		N/A			Lewiston	Androscoggin	1293 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4884062.527	409274.8218	Not Eligible	Point	NA	Not Eligible
918	90797	429		N/A			Lewiston	Androscoggin	1302 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4884182.739	409424.8734	Not Eligible	Point	NA	Not Eligible
670	90792	430		N/A			Lewiston	Androscoggin	21 Chadbourne Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883973.242	409477.7272	Not Eligible	Point	NA	Not Eligible
671	90801	431		N/A			Lewiston	Androscoggin	25 Chadbourne Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883941.43	409497.6842	Not Eligible	Point	NA	Not Eligible
672	90806	432		N/A			Lewiston	Androscoggin	29 Chadbourne Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	None	No Further Survey	4883896.576	409515.6653	Not Eligible	Point	NA	Not Eligible
919	90812	433		N/A			Lewiston	Androscoggin	132 Old Chadbourne Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883739.612	409649.0527	Not Eligible	Point	NA	Not Eligible
673	90814	434		N/A			Lewiston	Androscoggin	140 Old Chadbourne Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883669.145	409559.7288	Not Eligible	Point	NA	Not Eligible
674	90815	435		N/A			Lewiston	Androscoggin	143 Old Chadbourne Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883673.934	409602.4091	Not Eligible	Point	NA	Not Eligible
920	90889	436		N/A			Lewiston	Androscoggin	172 Old Chadbourne Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883482.532	409477.7966	Not Eligible	Point	NA	Not Eligible
1254	90892	437		N/A			Lewiston	Androscoggin	178 Old Chadbourne Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883448.669	409446.7829	Not Eligible	Point	NA	Not Eligible
1255	90882	438		N/A			Lewiston	Androscoggin	178 Old Chadbourne Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883439.833	409457.9598	Not Eligible	Point	NA	Not Eligible
1257	90897	439		N/A			Lewiston	Androscoggin	188 Old Chadbourne Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883392.909	409413.9045	Not Eligible	Point	NA	Not Eligible
921	90937	440		N/A			Lewiston	Androscoggin	184 Old Chadbourne Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883411.506	409443.1665	Not Eligible	Point	NA	Not Eligible
922	90943	441		N/A			Lewiston	Androscoggin	123 Old Chadbourne Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883814.282	409649.9364	Not Eligible	Point	NA	Not Eligible
1263	90947	442		N/A			Lewiston	Androscoggin	1140 Sabattus St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883673.492	408223.9938	Not Eligible	Point	NA	Not Eligible
923	90954	443		N/A			Lewiston	Androscoggin	136 Golder Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883689.787	408216.9859	Not Eligible	Point	NA	Not Eligible
924	90957	445		N/A			Lewiston	Androscoggin	114 Golder Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883554.207	408293.8264	Not Eligible	Point	NA	Not Eligible
925	90960	446		N/A			Lewiston	Androscoggin	158 Golder Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883833.908	408138.5009	Not Eligible	Point	NA	Not Eligible
926	90979	447		N/A			Lewiston	Androscoggin	168 Golder Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883908.103	408133.8342	Not Eligible	Point	NA	Not Eligible
1264	90978	448		N/A			Lewiston	Androscoggin	168 Golder Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Late 19th century barn; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883893.486	408128.9381	Not Eligible	Point	NA	Not Eligible
927	91003	449		N/A			Lewiston	Androscoggin	215 Golder Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Mid-20th century Cape residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4884282.128	408097.0487	Not Eligible	Point	NA	Not Eligible
928	91006	450		N/A			Lewiston	Androscoggin	391 Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	Mid-19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4884264.606	408057.4074	Not Eligible	Point	NA	Not Eligible
929	91008	451		N/A			Lewiston	Androscoggin	401 Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Mid-20th century ranch residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4884373.765	408085.036	Not Eligible	Point	NA	Not Eligible

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930	91011	452		N/A			Lewiston	Androscoggin	407 Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Mid-20th century ranch residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4884467.306	408071.6749	Not Eligible	Point	NA	Not Eligible
931	90974	453		N/A			Lewiston	Androscoggin	446 Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Late 19th century barn; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4885023.257	408130.9117	Not Eligible	Point	NA	Not Eligible
1219	91013	454		N/A			Lewiston	Androscoggin	446 Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Late 19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4885041.633	408113.3412	Not Eligible	Point	NA	Not Eligible
932	91004	455		N/A			Lewiston	Androscoggin	462 Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4885227.824	408189.6045	Not Eligible	Point	NA	Not Eligible
1220	91016	456		N/A			Lewiston	Androscoggin	465 Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4885276.391	408251.6497	Not Eligible	Point	NA	Not Eligible
1221	91018	457		N/A			Lewiston	Androscoggin	465 Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	19th century barn; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4885264.914	408288.0142	Not Eligible	Point	NA	Not Eligible
1222	91017	458		N/A			Lewiston	Androscoggin	457 Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4885178.763	408223.5986	Not Eligible	Point	NA	Not Eligible
933	91023	459		N/A			Lewiston	Androscoggin	388 Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4884285.609	408015.3578	Not Eligible	Point	NA	Not Eligible
934	91031	460		N/A			Lewiston	Androscoggin	386 Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4884262.053	408001.2772	Not Eligible	Point	NA	Not Eligible
935	91035	461		N/A			Lewiston	Androscoggin	361 Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4884118.485	407948.6915	Not Eligible	Point	NA	Not Eligible
1216	91128	462		N/A			Lewiston	Androscoggin	359 Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4884056.825	407911.2027	Not Eligible	Point	NA	Not Eligible
936	91150	463		N/A			Lewiston	Androscoggin	357 Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4884031.669	407895.7551	Not Eligible	Point	NA	Not Eligible
937	91153	464		N/A			Lewiston	Androscoggin	351 Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century Cape residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883994.688	407866.8607	Not Eligible	Point	NA	Not Eligible
938	91155	465		N/A			Lewiston	Androscoggin	350 Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4884018.549	407830.0818	Not Eligible	Point	NA	Not Eligible
939	91157	466		N/A			Lewiston	Androscoggin	341 pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883948.783	407832.9912	Not Eligible	Point	NA	Not Eligible
940	91162	467		N/A			Lewiston	Androscoggin	333 Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883892.164	407803.2445	Not Eligible	Point	NA	Not Eligible
941	91148	468		N/A			Lewiston	Androscoggin	334 Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883922.552	407760.767	Not Eligible	Point	NA	Not Eligible
1171	91168	469		N/A			Lewiston	Androscoggin	322 Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4883837.666	407723.1315	Not Eligible	Point	NA	Not Eligible
942	91166	470		N/A			Lewiston	Androscoggin	496 Old Greene Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4886239.142	407589.6645	Not Eligible	Point	NA	Not Eligible
944	91172	471		N/A			Lewiston	Androscoggin	435 Old Greene Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4885820.182	407372.0477	Not Eligible	Point	NA	Not Eligible
943	91174	472		N/A			Lewiston	Androscoggin	435 Old Greene Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4885793.556	407397.7035	Not Eligible	Point	NA	Not Eligible
1173	91177	473		N/A			Lewiston	Androscoggin	312 Old Greene Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4885132.531	407332.0825	Not Eligible	Point	NA	Not Eligible
1174	91181	474		N/A			Lewiston	Androscoggin	286 Old Greene Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4884904.557	407184.9246	Not Eligible	Point	NA	Not Eligible
1172	91184	475		N/A			Lewiston	Androscoggin	279 Old Greene Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4884838.678	407210.3303	Not Eligible	Point	NA	Not Eligible
945	91187	476		N/A			Lewiston	Androscoggin	236 Old Greene Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	early 20th century residence; recommended NRHP not eligible	Indirect	No Further Survey	4884704.012	406899.2061	Not Eligible	Point	NA	Not Eligible
946	91164	477		N/A			Lewiston	Androscoggin	322 Stetson Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4886549.075	405772.9302	Not Eligible	Point	NA	Not Eligible
1177	91207	478		N/A			Lewiston	Androscoggin	832 College St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4887792.535	405661.9856	Not Eligible	Point	NA	Not Eligible
947	91210	479		N/A			Lewiston	Androscoggin	895 College St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4887948.678	406089.4839	Not Eligible	Point	NA	Not Eligible

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660	76462	564		180-0029a	1	MHPC 0439-02 # 29	Greene	Androscoggin	308 US Route 202	Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Previously determined NRHP eligible by MHPC. Based on the reconnaissance survey, SEARCH contends the resource remains Eligible.	Indirect	Finding of Effects	4892234.895	406483.1297	Eligible	Point	NA	Listed/Eligible - Further Study
562	31924	799		217-0051	1		Jay	Franklin	70 Turmel Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4926119.562	406791.5736	Not Eligible	Point	NA	Not Eligible
538	31941	800		217-0051a	1		Jay	Franklin	70 Turmel Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4926183.182	406803.5656	Not Eligible	Point	NA	Not Eligible
619	54390	831		217-0064	1	Moses Stone Farm	Jay	Franklin	346 Franklin Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity, associated farmhouse has been demolished	Mid 19th century barn. MHPC determined not eligible in May 2012, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible for NRHP	Pending	No Further Survey	4928420.751	406295.2142	Not Eligible	Point	NA	Not Eligible
620	54391	861		217-0064a	1	Moses Stone Farm	Jay	Franklin	67 ME-156	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	Colonial Revival Cape; recommended NRHP not eligible	Pending	No Further Survey	4928469.729	406271.233	Not Eligible	Point	NA	Not Eligible
1231	92344	485		N/A			Lewiston	Androscoggin	942 College Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4888367.892	406318.8023	Not Eligible	Point	NA	Not Eligible
948	91385	486		N/A			Lewiston	Androscoggin	942 College Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4888311.762	406293.6477	Not Eligible	Point	NA	Not Eligible
621	54393	832		217-0065	1		Jay	Franklin	315 Hyde Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	1950s-1960s Ranch. MHPC determined not eligible in May 2012, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible for NRHP	Pending	No Further Survey	4928345.184	406241.8731	Not Eligible	Point	NA	Not Eligible
949	91380	489		N/A			Lewiston	Androscoggin	Merrill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4888712.483	405898.9161	Not Eligible	Point	NA	Not Eligible
622	54394	835		217-0066	1		Jay	Franklin	367 Franklin Road	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	1920s-1950s vernacular residence. MHPC determined not eligible in May 2012, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible for NRHP	Pending	No Further Survey	4928566.728	406303.7157	Not Eligible	Point	NA	Not Eligible
561	32141	631		234-0013	1	Additon Farm	Leeds	Androscoggin	6 Addition Road	Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Additon Farm; The farm has previously been determined NRHP Eligible by MHPC. Based on the reconnaissance survey, SEARCH concurs with this recommendation.	Pending	Finding of Effects	4900818.571	407424.5441	Eligible	Point	NA	Listed/Eligible - Further Study
950	91392	492		N/A			Lewiston	Androscoggin	165 Merrill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4889090.596	405351.0703	Not Eligible	Point	NA	Not Eligible
535	32161	630		234-0013a	1	Additon Farm	Leeds	Androscoggin	6 Addition Road	Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Additon Farm; The farm has previously been determined NRHP Eligible by MHPC. Based on the reconnaissance survey, SEARCH concurs with this recommendation.	Pending	Finding of Effects	4900795.949	407441.1734	Eligible	Point	NA	Listed/Eligible - Further Study
536	32181	627		234-0013b	1	Additon Farm	Leeds	Androscoggin	6 Addition Road	Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Additon Farm; The farm has previously been determined NRHP Eligible by MHPC. Based on the reconnaissance survey, SEARCH concurs with this recommendation.	Pending	Finding of Effects	4900717.404	407409.6011	Eligible	Point	NA	Listed/Eligible - Further Study
557	32182	628		234-0013c	1	Additon Farm	Leeds	Androscoggin	6 Addition Road	Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Additon Farm; The farm has previously been determined NRHP Eligible by MHPC. Based on the reconnaissance survey, SEARCH concurs with this recommendation.	Pending	Finding of Effects	4900715.571	407396.8696	Eligible	Point	NA	Listed/Eligible - Further Study
951	91388	496		N/A			Lewiston	Androscoggin	1630 Main St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	19th century barn; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4889466.598	404848.2438	Not Eligible	Point	NA	Not Eligible
551	32201	632		234-0013d	1	Additon Farm	Leeds	Androscoggin	6 Addition Road	Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Additon Farm; The farm has previously been determined NRHP Eligible by MHPC. Based on the reconnaissance survey, SEARCH concurs with this recommendation.	Pending	Finding of Effects	4900770.406	407362.1381	Eligible	Point	NA	Listed/Eligible - Further Study
952	91389	500		N/A			Lewiston	Androscoggin	10 Taylor Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4889596.025	404500.6882	Not Eligible	Point	NA	Not Eligible
572	32202	664		234-0013e	1		Leeds	Androscoggin	167 Fish Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4909422.22	406908.2441	Not Eligible	Point	NA	Not Eligible
553	32121	629		234-0013hfs	1	Additon Farm	Leeds	Androscoggin	6 Addition Road	Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Additon Farm; The farm has previously been determined NRHP Eligible by MHPC. Based on the reconnaissance survey, SEARCH concurs with this recommendation.	Pending	Finding of Effects	4900771.882	407413.1803	Eligible	Point	NA	Listed/Eligible - Further Study

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540	32241	680		234-0014	1		Leeds	Androscoggin	79 Campbell Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4911510.205	407795.5945	Not Eligible	Point	NA	Not Eligible
563	32261	681		234-0014a	1		Leeds	Androscoggin	79 Campbell Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4911523.514	407821.9731	Not Eligible	Point	NA	Not Eligible
531	32281	678		234-0014b	1		Leeds	Androscoggin	79 Campbell Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4911365.054	407946.5677	Not Eligible	Point	NA	Not Eligible
534	32301	683		234-0014c	1		Leeds	Androscoggin	79 Campbell Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4911562.568	407809.7105	Not Eligible	Point	NA	Not Eligible
560	32321	682		234-0014d	1		Leeds	Androscoggin	79 Campbell Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4911534.905	407844.1581	Not Eligible	Point	NA	Not Eligible
537	32221	679		234-0014hfs	1		Leeds	Androscoggin	79 Campbell Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4911422.006	407876.0375	Not Eligible	Point	NA	Not Eligible
953	91404	509		N/A			Lewiston	Androscoggin	1495 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Modern alterations and materials have resulted in a loss of integrity.	Late 19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4888812.217	404707.7569	Not Eligible	Point	NA	Not Eligible
530	32341	689		234-0015	1		Leeds	Androscoggin	154 Knapp Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4912140.589	407913.1667	Not Eligible	Point	NA	Not Eligible
954	91411	512		N/A			Lewiston	Androscoggin	Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Mid 20th century cape with later addition; recommended NRHP not eligible	Indirect	No Further Survey	4888714.435	404639.0633	Not Eligible	Point	NA	Not Eligible
542	30366	668		234-0024	1		Leeds	Androscoggin	646 Route 219	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4910696.118	406595.8399	Not Eligible	Point	NA	Not Eligible
544	30421	669		234-0025	1		Leeds	Androscoggin	626 Route 219	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4910721.303	406730.61	Not Eligible	Point	NA	Not Eligible
545	30423	670		234-0025a	1		Leeds	Androscoggin	626 Route 219	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4910694.842	406736.886	Not Eligible	Point	NA	Not Eligible
955	91412	516		N/A			Lewiston	Androscoggin	1106 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4888392.41	404589.2211	Not Eligible	Point	NA	Not Eligible
957	91413	517		N/A			Lewiston	Androscoggin	1098 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Early 20th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4888263.466	404573.1531	Not Eligible	Point	NA	Not Eligible
956	91414	518		N/A			Lewiston	Androscoggin	1090 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4888136.379	404564.9376	Not Eligible	Point	NA	Not Eligible
754	91415	519		N/A			Lewiston	Androscoggin	Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century garage; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4888149.39	404568.5061	Not Eligible	Point	NA	Not Eligible
543	30401	669		234-0025hfs	1		Leeds	Androscoggin	626 Route 219	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4910712.712	406745.1829	Not Eligible	Point	NA	Not Eligible
958	91417	521		N/A			Lewiston	Androscoggin	1084 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4888027.506	404552.4621	Not Eligible	Point	NA	Not Eligible
755	91419	522		N/A			Lewiston	Androscoggin	1050 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Mid 20th century Cape private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4887865.096	404536.1447	Not Eligible	Point	NA	Not Eligible
959	91423	523		N/A			Lewiston	Androscoggin	1040 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4887701.489	404477.2225	Not Eligible	Point	NA	Not Eligible
1493	30424	1588		234-0026	1		Leeds	Androscoggin	613 Route 219	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	1960s raised ranch. MHPC determined not eligible in December 2009, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Pending	No Further Survey	4910803.339	407034.9335	Not Eligible	Point	NA	Not Eligible
546	30441	671		234-0027	1		Leeds	Androscoggin	499 Route 219	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4910922.232	407650.7878	Not Eligible	Point	NA	Not Eligible
548	30443	674		234-0028	1		Leeds	Androscoggin	5 Campbell Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4911005.015	407962.9014	Not Eligible	Point	NA	Not Eligible

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549	30461	675		234-0028a	1		Leeds	Androscoggin	5 Campbell Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4911009.483	407985.239	Not Eligible	Point	NA	Not Eligible
550	30462	676		234-0028b	1		Leeds	Androscoggin	5 Campbell Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4910996.08	408001.1944	Not Eligible	Point	NA	Not Eligible
774	91407	530		N/A			Lewiston	Androscoggin	Stetson Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4887096.214	405026.1337	Not Eligible	Point	NA	Not Eligible
960	91429	532		N/A			Lewiston	Androscoggin	Deer Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4888823.824	404141.4076	Not Eligible	Point	NA	Not Eligible
961	91427	534		N/A			Lewiston	Androscoggin	60 Larrabee Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Late 19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4888340.579	404822.4939	Not Eligible	Point	NA	Not Eligible
780	91442	535		N/A			Lewiston	Androscoggin	60 Larrabee Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Late 19th century barn; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4888362.396	404850.275	Not Eligible	Point	NA	Not Eligible
962	91439	536		N/A			Lewiston	Androscoggin	60 Larrabee Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century outbuilding; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4888377.477	404836.01	Not Eligible	Point	NA	Not Eligible
547	30442	673		234-0028hfs	1		Leeds	Androscoggin	5 Campbell Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4910996.08	407982.0479	Not Eligible	Point	NA	Not Eligible
589	55035	510		236-0057	1	Job Cole House	Lewiston	Androscoggin	1200 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4888780.552	404649.4388	Not Eligible	Point	NA	Not Eligible
963	91448	539		N/A			Lewiston	Androscoggin	Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4889801.154	405095.779	Not Eligible	Point	NA	Not Eligible
784	91453	540		N/A			Lewiston	Androscoggin	1655 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4889872.014	405130.4631	Not Eligible	Point	NA	Not Eligible
785	91457	541		N/A			Greene	Androscoggin	1763 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4890264.325	405318.6359	Not Eligible	Point	NA	Not Eligible
1052	91460	542		N/A			Greene	Androscoggin	Daggett Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	20th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4890386.561	405287.1329	Not Eligible	Point	NA	Not Eligible
964	91461	543		N/A			Greene	Androscoggin	6 River Road	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming	Retains most aspects of integrity	19th century private residence; is likely NRHP eligible under Criterion A for its association with agriculture. Recommended preliminarily NRHP eligible	Indirect	Intensive Survey	4890787.126	405373.3219	Not Determined	Point	NA	Not Determined - Further Study
786	91462	544		N/A			Greene	Androscoggin	6 River Road	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming	Retains most aspects of integrity	19th century barn; is likely NRHP eligible under Criterion A for its association with agriculture. Recommended preliminarily NRHP eligible	Indirect	Intensive Survey	4890777.004	405358.7698	Not Determined	Point	NA	Not Determined - Further Study
965	91458	545		N/A			Greene	Androscoggin	17 River Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Multiple additions and alterations have resulted in a loss of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4891453.167	405152.857	Not Eligible	Point	NA	Not Eligible
787	91465	546		N/A			Greene	Androscoggin	River Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4890905.035	405389.7063	Not Eligible	Point	NA	Not Eligible
788	91469	547		N/A			Greene	Androscoggin	32 River Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	20th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4890977.026	405332.8769	Not Eligible	Point	NA	Not Eligible
790	91451	549		N/A			Greene	Androscoggin	99 River Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	20th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4891440.832	405163.926	Not Eligible	Point	NA	Not Eligible
966	91471	550		N/A			Greene	Androscoggin	River Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	Early 20th century outbuilding; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4891423.008	405134.7988	Not Eligible	Point	NA	Not Eligible
967	91473	551		N/A			Greene	Androscoggin	Daggett Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4890797.756	405506.9398	Not Eligible	Point	NA	Not Eligible
791	91476	553		N/A			Greene	Androscoggin	Daggett Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Modern alterations and materials have resulted in a loss of integrity.	19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4890845.92	405498.4601	Not Eligible	Point	NA	Not Eligible

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792	91478	554		N/A			Greene	Androscoggin	Daggett Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	The barn has been converted to a garage; modern materials and additions have diminished integrity	19th century barn; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4890851.446	405484.9976	Not Eligible	Point	NA	Not Eligible
968	91479	555		N/A			Greene	Androscoggin	90 Daggett Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4890978.16	405608.335	Not Eligible	Point	NA	Not Eligible
664	91483	556		N/A			Greene	Androscoggin	Daggett Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4891026.298	405607.333	Not Eligible	Point	NA	Not Eligible
665	91481	557		N/A			Greene	Androscoggin	Daggett Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Late 19th century outbuilding; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4891040.795	405601.7901	Not Eligible	Point	NA	Not Eligible
666	91482	558		N/A			Greene	Androscoggin	Daggett Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Barn is partially collapsed, resulting in a loss of integrity	Late 19th century barn; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4891056.144	405596.6736	Not Eligible	Point	NA	Not Eligible
794	91489	559		N/A			Greene	Androscoggin	Daggett Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century outbuilding; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4891051.468	405615.7565	Not Eligible	Point	NA	Not Eligible
969	91493	560		N/A		Glenrock Springs	Greene	Androscoggin	295 Route 202	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4892116.818	406499.6781	Not Eligible	Point	NA	Not Eligible
971	91495	561		N/A		Glenrock Springs	Greene	Androscoggin	297 Route 202	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century barn; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4892092.038	406510.1837	Not Eligible	Point	NA	Not Eligible
970	91497	562		N/A			Greene	Androscoggin	296 Route 202	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Late 19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4892177.939	406456.0119	Not Eligible	Point	NA	Not Eligible
972	91488	563		N/A			Greene	Androscoggin	Route 202	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4892167.345	406449.359	Not Eligible	Point	NA	Not Eligible
		92001297	92001297	92001297	1	Concord Haven Historic District	Embden		N/A	N/A	N/A	Listed	B: Person; C: Architecture	Retains a high degree of integrity	Concord Haven is an NRHP Listed District. Based on the reconnaissance survey, SEARCH contends that the district remains NRHP Listed.	Indirect	Finding of Effects			Listed	Polygon	Yes	Listed/Eligible - Further Study
573	55007	1550		236-0903	1		Lewiston	Androscoggin	59 Deer Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains modest integrity	early 20th c. vernacular. MHPC determined not eligible in August 2010, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Indirect	No Further Survey	4888795.559	404171.2228	Not Eligible	Point	NA	Not Eligible
973	91521	566		N/A			Greene	Androscoggin	303 Route 202	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4892187.402	406526.2993	Not Eligible	Point	NA	Not Eligible
762	91526	567		N/A			Greene	Androscoggin	Daggett Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4892184.258	406534.9607	Not Eligible	Point	NA	Not Eligible
974	91524	568		N/A			Greene	Androscoggin	316 Route 202	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4892311.521	406544.7288	Not Eligible	Point	NA	Not Eligible
975	91531	569		N/A			Greene	Androscoggin	Green Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4892314.702	406638.0302	Not Eligible	Point	NA	Not Eligible
976	91532	570		N/A			Greene	Androscoggin	22 Sullivan Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4892339.254	406802.2686	Not Eligible	Point	NA	Not Eligible
765	91530	571		N/A			Greene	Androscoggin	22 Sullivan Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4892337.696	406813.9487	Not Eligible	Point	NA	Not Eligible
977	91535	572		N/A			Greene	Androscoggin	Sullivan Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4892274.711	406872.7874	Not Eligible	Point	NA	Not Eligible
766	91536	573		N/A			Greene	Androscoggin	531 Sullivan Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4892350.643	406669.2722	Not Eligible	Point	NA	Not Eligible
767	91527	574		N/A			Greene	Androscoggin	331 Route 202	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4892363.265	406656.0022	Not Eligible	Point	NA	Not Eligible
574	55008	1551		236-0904	1		Lewiston	Androscoggin	67 Deer Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th c. vernacular. MHPC determined not eligible in August 2010, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Indirect	No Further Survey	4888775.638	404205.4255	Not Eligible	Point	NA	Not Eligible
768	91540	577		N/A			Greene	Androscoggin	Route 202	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4892444.181	406711.0245	Not Eligible	Point	NA	Not Eligible
769	91541	578		N/A			Greene	Androscoggin	Route 202	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4892433.176	406725.9129	Not Eligible	Point	NA	Not Eligible
770	91538	579		N/A			Greene	Androscoggin	Route 202	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4892422.557	406725.1346	Not Eligible	Point	NA	Not Eligible

Table 1

OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
575	55009	499		236-0905	1		Lewiston	Androscoggin	10 Taylor Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4889573.881	404460.3909	Not Eligible	Point	NA	Not Eligible
576	55010	501		236-0906	1		Lewiston	Androscoggin	60 Taylor Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4889436.42	404597.7059	Not Eligible	Point	NA	Not Eligible
577	55011	493		236-0907	1		Lewiston	Androscoggin	165 Merrill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4889155.899	405268.4938	Not Eligible	Point	NA	Not Eligible
578	55012	492		236-0907a	1		Lewiston	Androscoggin	165 Merrill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4889160.015	405292.0784	Not Eligible	Point	NA	Not Eligible
579	55024	538		236-0910	1		Lewiston	Androscoggin	1648 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4889767.648	405012.4188	Not Eligible	Point	NA	Not Eligible
580	55025	494		236-0911	1		Lewiston	Androscoggin	1630 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4889467.075	404847.4573	Not Eligible	Point	NA	Not Eligible
581	55027	537		236-0913	1		Lewiston	Androscoggin	1623 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4889584.206	405005.005	Not Eligible	Point	NA	Not Eligible
582	55028	507		236-0914	1		Lewiston	Androscoggin	1512 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4888894.353	404681.7903	Not Eligible	Point	NA	Not Eligible
583	55029	503		236-0915	1		Lewiston	Androscoggin	1536 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4888967.95	404678.5433	Not Eligible	Point	NA	Not Eligible
584	55030	502		236-0916	1		Lewiston	Androscoggin	1525 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Direct	No Further Survey	4888988.403	404734.9845	Not Eligible	Point	NA	Not Eligible
978	91543	590		N/A			Greene	Androscoggin	Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4892977.321	407034.2783	Not Eligible	Point	NA	Not Eligible
979	91544	591		N/A			Greene	Androscoggin	Merrill Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4893043.396	407010.2288	Not Eligible	Point	NA	Not Eligible
771	91546	592		N/A			Greene	Androscoggin	Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4893051.648	407024.3723	Not Eligible	Point	NA	Not Eligible
980	91549	593		N/A			Greene	Androscoggin	Merrill Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4893117.272	406921.0209	Not Eligible	Point	NA	Not Eligible
981	91550	594		N/A			Greene	Androscoggin	Merrill Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	19th century barn Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4893146.082	406929.7596	Not Eligible	Point	NA	Not Eligible
772	91542	595		N/A		Bubier Family Farm	Greene	Androscoggin	104 Merrill Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4893748.857	406749.8638	Not Eligible	Point	NA	Not Eligible
982	91552	596		N/A		Bubier Family Farm	Greene	Androscoggin	104 Merrill Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4893739.272	406732.8183	Not Eligible	Point	NA	Not Eligible
773	91555	597		N/A		Bubier Family Farm	Greene	Androscoggin	104 Merrill Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4893718.757	406754.7187	Not Eligible	Point	NA	Not Eligible
983	91547	598		N/A			Greene	Androscoggin	Merrill Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Mid-20th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4893808.411	406792.0478	Not Eligible	Point	NA	Not Eligible
984	91557	599		N/A			Greene	Androscoggin	Merrill Hill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	20th century garage; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4893816.606	406818.9926	Not Eligible	Point	NA	Not Eligible
985	90650	600		N/A			Greene	Androscoggin	Merrill Hill Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4894220.965	406651.0828	Not Eligible	Point	NA	Not Eligible
1007	90659	601		N/A			Greene	Androscoggin	Merrill Hill Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4894233.237	406664.195	Not Eligible	Point	NA	Not Eligible
1008	90665	602		N/A			Greene	Androscoggin	165 Merrill Hill Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4894214.326	406703.32	Not Eligible	Point	NA	Not Eligible
1009	90666	603		N/A			Greene	Androscoggin	165 Merrill Hill Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4894186.823	406699.2689	Not Eligible	Point	NA	Not Eligible
1010	90685	604		N/A			Greene	Androscoggin	238 Merrill Hill Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4894688.213	406853.3832	Not Eligible	Point	NA	Not Eligible
1011	90691	605		N/A			Greene	Androscoggin	238 Merrill Hill Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4894684.964	406838.3823	Not Eligible	Point	NA	Not Eligible

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OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
1013	90698	607		N/A			Greene	Androscoggin	18 Anson Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4899514.04	407619.0957	Not Eligible	Point	NA	Not Eligible
1012	90693	608		N/A			Greene	Androscoggin	18 Anson Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4899528.693	407644.138	Not Eligible	Point	NA	Not Eligible
845	90705	609		N/A			Greene	Androscoggin	Anson Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Recommended preliminarily NRHP eligible	Indirect	Intensive Survey	4899781.121	407783.4634	Not Determined	Point	NA	Not Determined - Further Study
848	90723	610		N/A			Greene	Androscoggin	Anson Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Recommended preliminarily NRHP eligible	Indirect	Intensive Survey	4899797.733	407796.5686	Not Determined	Point	NA	Not Determined - Further Study
851	90730	611		N/A			Greene	Androscoggin	Allen Pond Rd	Preliminarily Eligible	No	Not Eligible	A: Transportation	Retains most aspects of integrity	The bridge is recommended preliminarily NRHP eligible	Pending	Intensive Survey	4899408.27	407402.1217	Not Determined	Point	NA	Not Determined - Further Study
1014	90761	614		N/A			Greene	Androscoggin	958 Allen Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4899289.378	407075.3394	Not Eligible	Point	NA	Not Eligible
853	90766	615		N/A			Greene	Androscoggin	196 N Mountain Rd	Preliminarily Eligible	No	Not Eligible	C: Architecture	Retains most aspects of integrity	19th century Greek Revival private residence that is likely NRHP eligible under Criterion C. Recommended preliminarily NRHP eligible	Indirect	Intensive Survey	4897857.8	405975.6898	Not Determined	Point	NA	Not Determined - Further Study
1167	91708	617		N/A			Greene	Androscoggin	102 N Mountain Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4898459.285	406311.7809	Not Eligible	Point	NA	Not Eligible
1163	91707	618		N/A			Greene	Androscoggin	102 N Mountain Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	19th century outbuilding; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4898449.014	406324.9172	Not Eligible	Point	NA	Not Eligible
1164	91709	619		N/A			Greene	Androscoggin	102 N Mountain Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	19th century outbuilding; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4898431.106	406350.4996	Not Eligible	Point	NA	Not Eligible
1165	91711	620		N/A			Greene	Androscoggin	102 N Mountain Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	19th century barn Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4898411.706	406364.3567	Not Eligible	Point	NA	Not Eligible
1166	91712	621		N/A			Greene	Androscoggin	102 N Mountain Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	19th century outbuilding; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4898423.005	406369.4731	Not Eligible	Point	NA	Not Eligible
1015	90826	622		N/A			Greene	Androscoggin	1043 Allen Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4899374.771	406279.2237	Not Eligible	Point	NA	Not Eligible
1236	90829	623		N/A			Greene	Androscoggin	1043 Allen Pond Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century barn/garage; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4899377.683	406295.7832	Not Eligible	Point	NA	Not Eligible
585	55031	504		236-0916a	1		Lewiston	Androscoggin	1525 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Direct	No Further Survey	4888967.266	404762.1472	Not Eligible	Point	NA	Not Eligible
586	55032	505		236-0916b	1		Lewiston	Androscoggin	1521 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Direct	No Further Survey	4888941.047	404782.662	Not Eligible	Point	NA	Not Eligible
587	55033	506		236-0917	1		Lewiston	Androscoggin	1513 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Direct	No Further Survey	4888920.169	404732.5029	Not Eligible	Point	NA	Not Eligible
588	55034	508		236-0918	1		Lewiston	Androscoggin	1495 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4888879.107	404717.3655	Not Eligible	Point	NA	Not Eligible
590	55036	513		236-0919	1		Lewiston	Androscoggin	1155 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4888667.084	404692.78	Not Eligible	Point	NA	Not Eligible
591	55037	514		236-0920	1		Lewiston	Androscoggin	1153 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4888636.703	404684.9872	Not Eligible	Point	NA	Not Eligible
592	55038	1552		236-0921	1		Lewiston	Androscoggin	1145 Main St	Preliminarily Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains modest integrity	early 20th c. vernacular. MHPC made no determination August 2010 Based on this reconnaissance survey, SEARCH determined it is NRHP ineligible; no further survey recommended.	Direct	Intensive Survey	4888558.218	404675.5224	NOT DETERMINED	Point	NA	Not Determined - Further Study
593	55039	515		236-0922	1		Lewiston	Androscoggin	1133 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4888445.404	404658.967	Not Eligible	Point	NA	Not Eligible
1245	90850	633		N/A		Additon Farm	Leeds	Androscoggin	Addition Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	This outbuilding was not previously surveyed as part of Additon Farm. It is recommended preliminarily eligible as part of the farmstead	Pending	Intensive Survey	4900750.287	407364.8724	Not Determined	Point	NA	Not Determined - Further Study
1168	90839	634		N/A		Additon Cemetery	Leeds	Androscoggin	Anson Rd	Preliminarily Eligible	No	Not Eligible	A: Early settlement and development	Retains most aspects of integrity	Cemetery; recommended preliminarily NRHP eligible	Pending	Intensive Survey	4900949.613	407776.3447	Not Determined	Point	NA	Not Determined - Further Study
1016	90854	635		N/A			Leeds	Androscoggin	846 Church Hill Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Modern alterations and materials have resulted in a loss of integrity.	Early 19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4901526.886	407701.146	Not Eligible	Point	NA	Not Eligible

Table 1

OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
1017	90859	636		N/A			Leeds	Androscoggin	846 Church Hill Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4901556.74	407693.1161	Not Eligible	Point	NA	Not Eligible
1018	90862	637		N/A			Leeds	Androscoggin	832 River Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Vinyl replacement windows and the large porch on the façade have diminished architectural integrity	Late 19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4905098.403	406782.4632	Not Eligible	Point	NA	Not Eligible
1246	90868	638		N/A			Leeds	Androscoggin	832 River Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4905107.96	406792.618	Not Eligible	Point	NA	Not Eligible
1019	90870	639		N/A			Leeds	Androscoggin	805 River Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Late 19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4905072.55	406628.4698	Not Eligible	Point	NA	Not Eligible
1247	90872	640		N/A			Leeds	Androscoggin	805 River Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	late 19th century outbuilding/small barn; recommended NRHP not eligible	Pending	No Further Survey	4905080.686	406615.9777	Not Eligible	Point	NA	Not Eligible
703	90878	641		N/A			Leeds	Androscoggin	806 River Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Modern alterations and materials have resulted in a loss of integrity.	Late 19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4905111.873	406635.0221	Not Eligible	Point	NA	Not Eligible
702	90875	642		N/A			Leeds	Androscoggin	806 River Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	late 19th century outbuilding/small barn; recommended NRHP not eligible	Pending	No Further Survey	4905127.082	406630.4858	Not Eligible	Point	NA	Not Eligible
1251	90852	643		N/A			Leeds	Androscoggin	795 River Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century outbuilding; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4905084.219	406572.1989	Not Eligible	Point	NA	Not Eligible
1020	90888	644		N/A			Leeds	Androscoggin	795 River Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Modern alterations and materials have resulted in a loss of integrity.	Late 19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4905101.433	406561.9486	Not Eligible	Point	NA	Not Eligible
1021	90904	645		N/A			Leeds	Androscoggin	787 River Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4905135.039	406484.9203	Not Eligible	Point	NA	Not Eligible
701	90914	646		N/A			Leeds	Androscoggin	787 River Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4905134.821	406504.8079	Not Eligible	Point	NA	Not Eligible
1022	90918	647		N/A			Leeds	Androscoggin	River Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4905204.439	406455.838	Not Eligible	Point	NA	Not Eligible
700	90922	648		N/A			Leeds	Androscoggin	River Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4905218.594	406465.8415	Not Eligible	Point	NA	Not Eligible
1023	90929	649		N/A			Leeds	Androscoggin	River Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4905274.865	406396.157	Not Eligible	Point	NA	Not Eligible
1260	90932	650		N/A			Leeds	Androscoggin	River Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4905295.46	406405.779	Not Eligible	Point	NA	Not Eligible
704	90936	651		N/A			Leeds	Androscoggin	906 River Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4905415.528	407250.8708	Not Eligible	Point	NA	Not Eligible
707	90945	652		N/A			Leeds	Androscoggin	Fish St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4906208.287	407515.8351	Not Eligible	Point	NA	Not Eligible
708	90958	653		N/A			Leeds	Androscoggin	Fish St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4906208.287	407495.0222	Not Eligible	Point	NA	Not Eligible
1024	90962	654		N/A		Sunnyside Farm	Leeds	Androscoggin	537 Fish St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4906754.357	407504.0911	Not Eligible	Point	NA	Not Eligible
1025	90966	655		N/A		Sunnyside Farm	Leeds	Androscoggin	537 Fish St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4906742.776	407490.7185	Not Eligible	Point	NA	Not Eligible
730	91746	656		N/A			Leeds	Androscoggin	534 Fish St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4906777.648	407560.137	Not Eligible	Point	NA	Not Eligible
731	91740	657		N/A			Leeds	Androscoggin	534 Fish St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4906762.836	407561.8942	Not Eligible	Point	NA	Not Eligible
732	91750	658		N/A			Leeds	Androscoggin	534 Fish St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4906833.377	407572.6887	Not Eligible	Point	NA	Not Eligible
734	91756	659		N/A		Fairview Farm	Leeds	Androscoggin	530 Fish St (Grant Rd)	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4907288.753	407775.0223	Not Eligible	Point	NA	Not Eligible
735	91760	660		N/A		Fairview Farm	Leeds	Androscoggin	530 Fish St (Grant Rd)	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4907291.766	407820.7105	Not Eligible	Point	NA	Not Eligible
1026	90997	661		N/A			Leeds	Androscoggin	319 Fish St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4908389.373	407283.6739	Not Eligible	Point	NA	Not Eligible
736	90999	662		N/A			Leeds	Androscoggin	283 Fish St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4908640.588	407199.7652	Not Eligible	Point	NA	Not Eligible
1027	91007	663		N/A			Leeds	Androscoggin	283 Fish St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4908619.63	407177.0841	Not Eligible	Point	NA	Not Eligible

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OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
568	40522	1535		236-0961	1		Lewiston	Androscoggin	165 Switzerland Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains modest integrity	c. 1910 vernacular residence. MHPC determined not eligible in June 2011, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	None	No Further Survey	4887732.526	404090.2608	Not Eligible	Point	NA	Not Eligible
740	91775	665		N/A			Leeds	Androscoggin	129 Fish St	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Mid 19th century farmstead; recommended preliminarily eligible.	Pending	Intensive Survey	4909778.009	406893.3898	Not Determined	Point	NA	Not Determined - Further Study
742	91780	666		N/A			Leeds	Androscoggin	129 Fish St	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Mid 19th century farmstead; recommended preliminarily eligible.	Pending	Intensive Survey	4909769.976	406863.7677	Not Determined	Point	NA	Not Determined - Further Study
986	91015	667		N/A		Morris Cemetery	Leeds	Androscoggin	Fish St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Cemetery; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4909907.494	406790.1905	Not Eligible	Point	NA	Not Eligible
569	40523	1536		236-0961a	1		Lewiston	Androscoggin	165 Switzerland Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains modest integrity	c. 1910 carriage house. MHPC determined not eligible in June 2011, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	None	No Further Survey	4887726.332	404099.3288	Not Eligible	Point	NA	Not Eligible
570	40524	1534		236-0962	1		Lewiston	Androscoggin	155 Switzerland Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains modest integrity	c. 1900 vernacular residence. MHPC determined not eligible in June 2011, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	None	No Further Survey	4887662.923	404103.041	Not Eligible	Point	NA	Not Eligible
1494	44766	1587		236-0995hfs	1		Lewiston	Androscoggin	129 Switzerland Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	Farmstead point on edge of APE, but all associated buildings are outside. MHPC determined not eligible in June 2011, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Indirect	No Further Survey	4887561.5	404164.9018	Not Eligible	Point	NA	Not Eligible
566	42364	525		236-1029	1	Herrick Cemetery /Barkerville Cemetery	Lewiston	Androscoggin	934 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4887510.898	404354.2597	Not Eligible	Point	NA	Not Eligible
571	42368	526		236-1030	1	Thomas P. Peters II Attorney at Law	Lewiston	Androscoggin	937 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4887434.951	404375.356	Not Eligible	Point	NA	Not Eligible
1224	91038	672		N/A		Fairview Cemetery	Leeds	Androscoggin	Route 219	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Fairview Cemetery; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4910977.112	408068.5812	Not Eligible	Point	NA	Not Eligible
565	42372	528		236-1030a	1	Thomas P. Peters II Attorney at Law	Lewiston	Androscoggin	937 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4887421.239	404388.0139	Not Eligible	Point	NA	Not Eligible
567	42366	527		236-1030hfs	1	Thomas P. Peters II Attorney at Law	Lewiston	Androscoggin	937 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4887422.294	404370.082	Not Eligible	Point	NA	Not Eligible
564	42374	524		236-1031	1		Lewiston	Androscoggin	940 Main Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4887555.201	404388.0139	Not Eligible	Point	NA	Not Eligible
600	61641	366		236-1032	1		Lewiston	Androscoggin	216-218 Old Lisbon Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4879787.394	407846.9931	Not Eligible	Point	NA	Not Eligible
1028	91072	677		N/A			Leeds	Androscoggin	Campbell Rd	Preliminarily Eligible	No	Not Eligible	A: Early settlement and development; education	Retains most aspects of integrity	The former school house has been altered, but is likely eligible for its association with education in 19th century Leeds. It is Recommended preliminarily NRHP eligible	Pending	Intensive Survey	4911084.657	407869.4909	Not Determined	Point	NA	Not Determined - Further Study
601	61642	367		236-1033	1		Lewiston	Androscoggin	208 Old Lisbon Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Direct	No Further Survey	4879850.097	407759.9355	Not Eligible	Point	NA	Not Eligible
602	61643	368		236-1034	1		Lewiston	Androscoggin	211 Old Lisbon Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Direct	No Further Survey	4879819.927	407729.6691	Not Eligible	Point	NA	Not Eligible
603	61644	365		236-1035	1	Maine Central Railroad - Lewiston Branch crossing	Lewiston	Androscoggin	Gould Road, approx. 200 ft. south of turnpike	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	Retains most aspects of integrity	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4879791.853	407477.0372	Not Eligible	Point	NA	Not Eligible
604	61646	487	x	236-1036	1	Maine Central Railroad - Lewiston Branch	Lewiston	Androscoggin	Off of Merrill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4879783.3	407585.8759	Not Eligible	Point	NA	Not Eligible
605	61661	370		236-1037	1	Old Lisbon Road Underpass - Bridge #101	Lewiston	Androscoggin	Old Lisbon Road over Maine Turnpike	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4879911.329	407546.4252	Not Eligible	Point	NA	Not Eligible
606	61683	1580		236-1038	1		Lewiston	Androscoggin	184 Old Lisbon Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Demolished	MHPC previously determined this resource was Not Eligible. During the reconnaissance survey, SEARCH confirmed the resource has been demolished, and therefore recommends this resource remains Not Eligible.	Indirect	No Further Survey	4879978.223	407541.2986	Not Eligible	Point	NA	Not Eligible
1029	91102	686		N/A			Leeds	Androscoggin	197 Campbell Rd	Preliminarily Eligible	No	Not Eligible	A: Early settlement and development; C: Architecture	Retains most aspects of integrity	Mid-19th century Greek Revival residence; Is likely eligible under Criterion A and C. The resource is Recommended preliminarily NRHP eligible	Pending	Intensive Survey	4912116.447	407121.6316	Not Determined	Point	NA	Not Determined - Further Study

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1030	91108	688		N/A			Leeds	Androscoggin	Knapp Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4911900.507	408199.624	Not Eligible	Point	NA	Not Eligible
607	61684	1581		236-1038a	1		Lewiston	Androscoggin	184 Old Lisbon Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Demolished	MHPC previously determined this resource was Not Eligible. During the reconnaissance survey, SEARCH confirmed the resource has been demolished, and therefore recommends this resource remains Not Eligible.	Indirect	No Further Survey	4879986.647	407566.4035	Not Eligible	Point	NA	Not Eligible
1031	91115	690		N/A			Leeds	Androscoggin	154 Knapp Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century outbuilding; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4912113.598	407910.6936	Not Eligible	Point	NA	Not Eligible
886	91122	692		N/A			Leeds	Androscoggin	Dawns Way	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming	Retains most aspects of integrity	Barker Farm; Is likely NRHP eligible under Criterion A for its association with farming in the 19th and 20th centuries. It is Recommended preliminarily NRHP eligible	Pending	Intensive Survey	4912272.956	409105.3058	Not Determined	Point	NA	Not Determined - Further Study
1214	91126	693		N/A			Leeds	Androscoggin	Dawns Way	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming	Retains most aspects of integrity	Barker Farm; Is likely NRHP eligible under Criterion A for its association with farming in the 19th and 20th centuries. It is Recommended preliminarily NRHP eligible	Pending	Intensive Survey	4912235.852	409108.0653	Not Determined	Point	NA	Not Determined - Further Study
1238	91849	694		N/A		Barker Farm	Leeds	Androscoggin	Barker Road	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming	Retains most aspects of integrity	Barker Farm; Is likely NRHP eligible under Criterion A for its association with farming in the 19th and 20th centuries. It is Recommended preliminarily NRHP eligible	Pending	Intensive Survey	4912725.163	409235.625	Not Determined	Point	NA	Not Determined - Further Study
1239	91852	695		N/A		Barker Farm	Leeds	Androscoggin	Barker Road	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming	Retains most aspects of integrity	Barker Farm; Is likely NRHP eligible under Criterion A for its association with farming in the 19th and 20th centuries. It is Recommended preliminarily NRHP eligible	Pending	Intensive Survey	4912662.975	409207.3294	Not Determined	Point	NA	Not Determined - Further Study
1240	91853	696		N/A		Barker Farm	Leeds	Androscoggin	Barker Road	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming	Retains most aspects of integrity	Barker Farm; Is likely NRHP eligible under Criterion A for its association with farming in the 19th and 20th centuries. It is Recommended preliminarily NRHP eligible	Pending	Intensive Survey	4912672.928	409246.6669	Not Determined	Point	NA	Not Determined - Further Study
1241	91850	697		N/A		Barker Farm	Leeds	Androscoggin	Barker Road	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming	Retains most aspects of integrity	Barker Farm; Is likely NRHP eligible under Criterion A for its association with farming in the 19th and 20th centuries. It is Recommended preliminarily NRHP eligible	Pending	Intensive Survey	4912633.59	409244.2972	Not Determined	Point	NA	Not Determined - Further Study
1242	91856	698		N/A		Barker Farm	Leeds	Androscoggin	Barker Road	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming	Retains most aspects of integrity	Barker Farm; Is likely NRHP eligible under Criterion A for its association with farming in the 19th and 20th centuries. It is Recommended preliminarily NRHP eligible	Pending	Intensive Survey	4912788.175	409262.3071	Not Determined	Point	NA	Not Determined - Further Study
1243	91140	699		N/A		Maine Central Railroad	Leeds	Androscoggin	Barker Rd	Preliminarily Eligible	No	Not Eligible	A: Transportation	Retains most aspects of integrity	The railroad is recommended preliminarily NRHP eligible.	Pending	Intensive Survey	4912774.579	409159.0542	Not Determined	Point	NA	Not Determined - Further Study
705	91326	700		N/A			Leeds	Androscoggin	Barker Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4913435.48	409476.3448	Not Eligible	Point	NA	Not Eligible
709	91341	701		N/A			Livermore Falls	Androscoggin	Strickland Loop Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4913986.496	409047.7128	Not Eligible	Point	NA	Not Eligible
710	91347	702		N/A			Livermore Falls	Androscoggin	Strickland Loop Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Mid-20th century garage; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4913983.333	409065.1429	Not Eligible	Point	NA	Not Eligible
711	91348	703		N/A		Strickland Cemetery	Livermore Falls	Androscoggin	Strickland Loop Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Strickland Cemetery; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4914090.323	408823.1917	Not Eligible	Point	NA	Not Eligible
1032	91358	704		N/A			Livermore Falls	Androscoggin	Strickland Loop Road	Preliminarily Eligible	No	Not Eligible	A: Industrial; C: Architecture	Retains most aspects of integrity	This resource appears to be part of a former mill or industrial site; recommended NRHP preliminarily eligible	Indirect	Intensive Survey	4914370.356	408518.1144	Not Determined	Point	NA	Not Determined - Further Study
715	91362	705		N/A			Livermore Falls	Androscoggin	Strickland Loop Road	Preliminarily Eligible	No	Not Eligible	A: Industrial; C: Architecture	Retains most aspects of integrity	This resource appears to be part of a former mill or industrial site; recommended NRHP preliminarily eligible	Indirect	Intensive Survey	4914358.491	408517.545	Not Determined	Point	NA	Not Determined - Further Study
716	91364	706		N/A		Bridge #5865	Livermore Falls	Androscoggin	Strickland Loop Road	Preliminarily Eligible	No	Not Eligible	A: Transportation	Retains most aspects of integrity	The bridge is recommended NRHP preliminarily eligible.	Pending	Intensive Survey	4914395.22	408543.507	Not Determined	Point	NA	Not Determined - Further Study
608	61687	1582		236-1038b	1		Lewiston	Androscoggin	184 Old Lisbon Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Demolished	MHPC previously determined this resource was Not Eligible. During the reconnaissance survey, SEARCH confirmed the resource has been demolished, and therefore recommends this resource remains Not Eligible.	Indirect	No Further Survey	4879973.767	407594.7387	Not Eligible	Point	NA	Not Eligible
718	91367	708		N/A			Livermore Falls	Androscoggin	Strickland Loop Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century outbuilding; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4914527.845	408760.989	Not Eligible	Point	NA	Not Eligible
719	91368	710		N/A			Livermore Falls	Androscoggin	Strickland Loop Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Early 20th century connected outbuilding; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4914526.706	408775.585	Not Eligible	Point	NA	Not Eligible
1033	91382	711		N/A			Livermore Falls	Androscoggin	Strickland Loop Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Early 20th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4914516.228	409177.2327	Not Eligible	Point	NA	Not Eligible

Table 1

OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
1034	91410	712		N/A			Livermore Falls	Androscoggin	Unnamed Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	culvert; recommended NRHP ineligible	Indirect	No Further Survey	4917116.416	409403.9755	Not Eligible	Point	NA	Not Eligible
1035	91426	713		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Late 19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4918205.489	409146.7268	Not Eligible	Point	NA	Not Eligible
1036	91416	714		N/A		Post Office /U.S. Postal Office; Witt's End Country Store	Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Witt's End General Store; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4918329.861	408957.4984	Not Eligible	Point	NA	Not Eligible
609	61688	1583		236-1038c	1		Lewiston	Androscoggin	184 Old Lisbon Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Demolished	MHPC previously determined this resource was Not Eligible. During the reconnaissance survey, SEARCH confirmed the resource has been demolished, and therefore recommends this resource remains Not Eligible.	Indirect	No Further Survey	4879970.894	407553.459	Not Eligible	Point	NA	Not Eligible
610	61689	371		236-1039	1		Lewiston	Androscoggin	176 Old Lisbon Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4880024.23	407469.6059	Not Eligible	Point	NA	Not Eligible
595	64421	332		236-1040	1		Auburn	Androscoggin	217 Ferry Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	Retains most aspects of integrity	MHPC determined not eligible in January 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible. recommended NRHP not eligible	Indirect	No Further Survey	4877342.363	406449.9578	Not Eligible	Point	NA	Not Eligible
596	64423	331		236-1040a	1		Lewiston	Androscoggin	217 Ferry Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	Retains most aspects of integrity	MHPC determined not eligible in January 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible. recommended NRHP not eligible	Indirect	No Further Survey	4877368.714	406477.9974	Not Eligible	Point	NA	Not Eligible
775	91422	720		N/A			Livermore Falls	Androscoggin	River Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4917835.46	408446.6781	Not Eligible	Point	NA	Not Eligible
1037	91437	721		N/A			Livermore Falls	Androscoggin	River Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Mid-29th century garage; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4917794.001	408451.1163	Not Eligible	Point	NA	Not Eligible
1038	91446	722		N/A			Livermore Falls	Androscoggin	River Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4917132.221	408465.1195	Not Eligible	Point	NA	Not Eligible
783	91450	723		N/A			Livermore Falls	Androscoggin	River Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century barn; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4917180.112	408446.7378	Not Eligible	Point	NA	Not Eligible
1039	91468	726		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4919046.072	408830.9649	Not Eligible	Point	NA	Not Eligible
789	91466	727		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	20th century garage; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4919033.478	408827.9478	Not Eligible	Point	NA	Not Eligible
1156	93478	728		N/A			Livermore Falls	Androscoggin	Haines Corner Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4919419.637	409058.9405	Not Eligible	Point	NA	Not Eligible
1157	93480	730		N/A			Livermore Falls	Androscoggin	Haines Corner Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	20th century barn; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4919471.614	409080.7858	Not Eligible	Point	NA	Not Eligible
1040	91477	732		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4919461.725	408896.3505	Not Eligible	Point	NA	Not Eligible
1041	91480	733		N/A			Livermore Falls	Androscoggin	Hillman Ferry Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Late 19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4919460.333	408853.617	Not Eligible	Point	NA	Not Eligible
1042	91485	734		N/A			Livermore Falls	Androscoggin	Hillman Ferry Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Late 19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4919448.149	408739.0883	Not Eligible	Point	NA	Not Eligible
793	91464	735		N/A			Livermore Falls	Androscoggin	Hillman Ferry Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4919418.164	408600.2422	Not Eligible	Point	NA	Not Eligible
756	91491	736		N/A		Haines Corner Cemetery	Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Haines Corner Cemetery; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4919513.012	408885.8173	Not Eligible	Point	NA	Not Eligible
1043	91487	737		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4919576.324	408865.8699	Not Eligible	Point	NA	Not Eligible
1044	91501	738		N/A			Livermore Falls	Androscoggin	Park Street	Preliminarily Eligible	No	Not Eligible	C: Architecture	Retains most aspects of integrity	Late 19th century residence; the building retains a high degree of architectural integrity. Recommended NRHP preliminarily eligible	Indirect	Intensive Survey	4920112.015	408798.5439	Not Determined	Point	NA	Not Determined - Further Study
757	91502	739		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Late 19th century barn; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4920148.873	408797.7833	Not Eligible	Point	NA	Not Eligible

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1045	91510	740		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4921061.866	408690.4601	Not Eligible	Point	NA	Not Eligible
758	91503	741		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Modern alterations and materials have resulted in a loss of integrity.	Late 19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4921220.378	408664.7887	Not Eligible	Point	NA	Not Eligible
1046	91513	742		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Mid-20th century garage; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4921213.785	408668.3373	Not Eligible	Point	NA	Not Eligible
759	91512	744		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Early 20th century barn; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4921245.536	408722.3522	Not Eligible	Point	NA	Not Eligible
1047	91515	745		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Modern alterations and materials have resulted in a loss of integrity.	Early 19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4921258.898	408617.6824	Not Eligible	Point	NA	Not Eligible
1048	91509	746		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Modern alterations have resulted in a loss of integrity.	Mid-twentieth century barn; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4921295.686	408592.5751	Not Eligible	Point	NA	Not Eligible
760	91506	747		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	19th century private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4921454.357	408676.6489	Not Eligible	Point	NA	Not Eligible
1049	91517	748		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4921646.268	408546.4913	Not Eligible	Point	NA	Not Eligible
1050	91520	749		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Loss of integrity due to the application of vinyl siding and replacement windows.	Private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4922019.63	408340.624	Not Eligible	Point	NA	Not Eligible
761	91525	750		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4922198.43	408063.423	Not Eligible	Point	NA	Not Eligible
1053	91523	751		N/A			Livermore Falls	Androscoggin	Karn Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Barn; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4923499.39	407741.812	Not Eligible	Point	NA	Not Eligible
1054	91528	752		N/A			Livermore Falls	Androscoggin	Karn Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4922777.527	407778.9232	Not Eligible	Point	NA	Not Eligible
763	91529	753		N/A			Livermore Falls	Androscoggin	Karn Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Garage; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4922788.481	407802.3584	Not Eligible	Point	NA	Not Eligible
764	91518	754		N/A		Holy Cross Cemetery	Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Holy Cross Cemetery; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Pending	No Further Survey	4922344.543	407455.7424	Not Eligible	Point	NA	Not Eligible
1055	91534	755		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Private residence; Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Direct	No Further Survey	4922555.712	407298.4006	Not Eligible	Point	NA	Not Eligible
1056	91600	757		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4922855.82	406958.3839	Not Eligible	Point	NA	Not Eligible
1057	91602	758		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4922848.182	406895.1618	Not Eligible	Point	NA	Not Eligible
855	91603	759		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4922888.948	406842.1357	Not Eligible	Point	NA	Not Eligible
1058	91606	760		N/A			Livermore Falls	Androscoggin	Dillman Lane	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4923037.105	406708.377	Not Eligible	Point	NA	Not Eligible
859	91619	761		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity due to modern alterations	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4923147.468	406650.8543	Not Eligible	Point	NA	Not Eligible
860	91617	762		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity due to modern alterations	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4923132.844	406652.9085	Not Eligible	Point	NA	Not Eligible
1059	91629	763		N/A			Livermore Falls	Androscoggin	Park Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity due to modern alterations	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4923270.209	406585.0607	Not Eligible	Point	NA	Not Eligible
1060	91632	764		N/A			Livermore Falls	Androscoggin	Gilbert Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4923762.281	406504.6269	Not Eligible	Point	NA	Not Eligible
862	91636	765		N/A			Livermore Falls	Androscoggin	Gilbert Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity due to modern alterations	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4923726.549	406528.6896	Not Eligible	Point	NA	Not Eligible
1061	91639	766		N/A			Livermore Falls	Androscoggin	Middle Avenue	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4923743.434	406484.5246	Not Eligible	Point	NA	Not Eligible

Table 1

OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
1062	91642	767		N/A			Livermore Falls	Androscoggin	Fayette Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4924056.158	406395.4596	Not Eligible	Point	NA	Not Eligible
1063	91643	768		N/A			Livermore Falls	Androscoggin	Fairview Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity due to modern alterations	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4924111.394	406411.3657	Not Eligible	Point	NA	Not Eligible
1064	91644	769		N/A			Livermore Falls	Androscoggin	Fairview Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity due to modern alterations	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4924178.943	406514.5102	Not Eligible	Point	NA	Not Eligible
1065	91635	770		N/A			Livermore Falls	Androscoggin	Fairview Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4924142.339	406613.6749	Not Eligible	Point	NA	Not Eligible
1066	91645	771		N/A			Livermore Falls	Androscoggin	Fayette Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity due to modern alterations	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4924031.363	406476.1374	Not Eligible	Point	NA	Not Eligible
1067	91646	772		N/A			Livermore Falls	Androscoggin	Fayette Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity due to modern alterations	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4924086.609	406510.7002	Not Eligible	Point	NA	Not Eligible
1068	91647	773		N/A			Livermore Falls	Androscoggin	Fayette Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity due to modern alterations	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4924093.3	406535.806	Not Eligible	Point	NA	Not Eligible
597	64441	1526		236-1040b	1		Lewiston	Androscoggin	217 Ferry Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains modest integrity	late 19th century shed on farmstead. MHPC determined not eligible in January 2009, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Indirect	No Further Survey	4877348.754	406468.7432	Not Eligible	Point	NA	Not Eligible
881	91638	775		N/A		Pleasant View Cemetery	Livermore Falls	Androscoggin	Fayette Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Pleasant View Cemetery; does not appear to retain significance to justify NRHP eligibility. recommended NRHP not eligible.	Pending	No Further Survey	4923983.127	406654.6247	Not Eligible	Point	NA	Not Eligible
1069	91649	776		N/A			Livermore Falls	Androscoggin	Fayette Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity due to modern alterations	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4924126.247	406592.6167	Not Eligible	Point	NA	Not Eligible
1070	91651	777		N/A			Livermore Falls	Androscoggin	Fayette Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4924115.437	406614.4325	Not Eligible	Point	NA	Not Eligible
594	64164	1525		236-1040hfs	1		Auburn	N/A	217 Ferry Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains modest integrity	1792-mid 20th century farmstead. MHPC determined not eligible in January 2009, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Indirect	No Further Survey	4877363.279	406471.0779	Not Eligible	Point	NA	Not Eligible
1151	64442	372		236-1041	1		Lewiston	Androscoggin	1905 NORTH LISBON ROAD	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4879407.386	407829.7951	Not Eligible	Point	NA	Not Eligible
1071	91650	780		N/A			Livermore Falls	Androscoggin	Fayette Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4924166.393	406690.4651	Not Eligible	Point	NA	Not Eligible
1150	64444	360		236-1042	1		Lewiston	Androscoggin	4 South Lisbon Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Direct	No Further Survey	4879643.754	407656.4587	Not Eligible	Point	NA	Not Eligible
1072	91653	782		N/A			Livermore Falls	Androscoggin	Fayette Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4924458.037	407366.67	Not Eligible	Point	NA	Not Eligible
1073	91654	783		N/A			Livermore Falls	Androscoggin	Fayette Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4924503.448	407506.1739	Not Eligible	Point	NA	Not Eligible
901	91658	784		N/A			Livermore Falls	Androscoggin	Fayette Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Lacks most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4924570.139	407556.5698	Not Eligible	Point	NA	Not Eligible
1074	91662	785		N/A			Livermore Falls	Androscoggin	Fayette Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	Does not retain sufficient significance or integrity to justify NRHP eligibility. Not recommended NRHP eligible	Indirect	No Further Survey	4924565.119	407561.5899	Not Eligible	Point	NA	Not Eligible
1154	64445	363		236-1043	1		Lewiston	Androscoggin	223 Old Lisbon Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4879731.899	407842.5984	Not Eligible	Point	NA	Not Eligible
904	91666	787		N/A			Livermore Falls	Androscoggin	Fayette Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	The barn does not retain sufficient significance or integrity to warrant further survey.	Indirect	No Further Survey	4924201.443	408071.9093	Not Eligible	Point	NA	Not Eligible
751	91801	788		N/A		Souther Family Farm	Livermore Falls	Androscoggin	Souther Road	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Mid 19th century farmstead with pastures, farmland, and multiple outbuildings; recommended preliminarily eligible.	Indirect	Intensive Survey	4924927.545	407837.1942	Not Determined	Point	NA	Not Determined - Further Study
1170	91805	790		N/A		Souther Family Farm	Livermore Falls	Androscoggin	Souther Road	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Mid 19th century farmstead with pastures, farmland, and multiple outbuildings; recommended preliminarily eligible.	Indirect	Intensive Survey	4924925.511	407815.8822	Not Determined	Point	NA	Not Determined - Further Study
1169	91806	791		N/A			Livermore Falls	Androscoggin	Souther Road	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Mid 19th century farmstead with pastures, farmland, and multiple outbuildings; recommended preliminarily eligible.	Indirect	Intensive Survey	4924913.916	407822.9005	Not Determined	Point	NA	Not Determined - Further Study
687	91807	792		N/A		Souther Family Farm	Livermore Falls	Androscoggin	Souther Road	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Mid 19th century farmstead with pastures, farmland, and multiple outbuildings; recommended preliminarily eligible.	Indirect	Intensive Survey	4924916.144	407800.097	Not Determined	Point	NA	Not Determined - Further Study
688	91808	793		N/A		Souther Family Farm	Livermore Falls	Androscoggin	Souther Road	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Mid 19th century farmstead with pastures, farmland, and multiple outbuildings; recommended preliminarily eligible.	Indirect	Intensive Survey	4924888.771	407794.9941	Not Determined	Point	NA	Not Determined - Further Study
689	91809	794		N/A		Souther Family Farm	Livermore Falls	Androscoggin	Souther Road	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	Mid 19th century farmstead with pastures, farmland, and multiple outbuildings; recommended preliminarily eligible.	Indirect	Intensive Survey	4924904.08	407772.7237	Not Determined	Point	NA	Not Determined - Further Study

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598	64447	417		236-1044	1		Lewiston	Androscoggin	1190 Sabattus Street	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4883820.202	408593.5958	Not Eligible	Point	NA	Not Eligible
599	71223	1578		236-1290	1		Lewiston	Androscoggin	103 LARRABEE ROAD	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Demolished	MHPC previously determined this resource was Not Eligible. During the reconnaissance survey, SEARCH confirmed the resource has been demolished, and therefore recommends this resource remains Not Eligible.	Direct	No Further Survey	4888213.719	404922.4223	Not Eligible	Point	NA	Not Eligible
1235	72878	520		236-1291	1	JACKSON'S PINE CONE CABINS /MAINE MOTEL & CABINS	Lewiston	Androscoggin	1101 MAIN STREET (ROUTE 202)	Eligible	No	Not Eligible	A: Tourism in the 20th century; C: Architecture	Retains most aspects of integrity	Jackson's Pine Cone Cabins/Maine Motel; MHPC previously determined this resource as NRHP Eligible. Based on the reconnaissance survey, SEARCH maintains this resource remains Eligible.	Direct	Finding of Effects	4888125.952	404623.152	Eligible	Point	NA	Listed/Eligible - Further Study
1180	79061	387		236-1298	1		Lewiston	Androscoggin	374 Randall Road	Eligible	No	Not Eligible	C: Architecture	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	Finding of Effects	4882313.834	407945.2415	Eligible	Point	NA	Listed/Eligible - Further Study
677	86848	481		236-1306	1		Lewiston	Androscoggin	892 College Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4888028.964	406066.5812	Not Eligible	Point	NA	Not Eligible
676	86846	480		236-1307	1		Lewiston	Androscoggin	895 College Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4887973.182	406103.6338	Not Eligible	Point	NA	Not Eligible
1187	90893	801		N/A			Livermore Falls	Androscoggin	77 Moose Hill Road	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	Retains all aspects of integrity	1920s residence; recommended NRHP not eligible	Indirect	No Further Survey	4925610.515	406626.8558	Not Eligible	Point	NA	Not Eligible
1075	90909	802		N/A			Livermore Falls	Androscoggin	76 Moose Hill Road	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	Retains all aspects of integrity	1920s-1950s residence; recommended NRHP not eligible	Indirect	No Further Survey	4925638.279	406505.5346	Not Eligible	Point	NA	Not Eligible
1076	90916	803		N/A			Livermore Falls	Androscoggin	5 Moose Hill Road	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	Retains all aspects of integrity	mid-20th century Cape; recommended NRHP not eligible	Indirect	No Further Survey	4925198.309	406229.0273	Not Eligible	Point	NA	Not Eligible
1258	90924	804		N/A			Livermore Falls	Androscoggin	5 Jones Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	Does not retain enough integrity to merit NRHP consideration	late 19th century vernacular farmhouse; recommended NRHP not eligible	Indirect	No Further Survey	4925136.262	406206.5852	Not Eligible	Point	NA	Not Eligible
1259	90928	805		N/A			Livermore Falls	N/A	5 Jones Rd	Not Eligible	No	Not Eligible	N/A: Lacks individual significance	Retains most aspects of integrity	late 19th century outbuilding/small barn; recommended NRHP not eligible	Indirect	No Further Survey	4925132.39	406218.757	Not Eligible	Point	NA	Not Eligible
1077	90931	806		N/A			Livermore Falls	Androscoggin	61 Heritage Lane	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	Retains all aspects of integrity	mid-20th century Cape; recommended NRHP not eligible	Indirect	No Further Survey	4925173.876	406704.5142	Not Eligible	Point	NA	Not Eligible
1078	90935	807		N/A			Livermore Falls	Androscoggin	50 Jones Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture, settlement/development; C: Architecture	Retains all aspects of integrity	Connected farmstead on 40 acres still used for grazing; potentially eligible at local level. Recommended preliminarily NRHP eligible.	Direct	Intensive Survey	4924882.497	406448.1906	Not Determined	Point	NA	Not Determined - Further Study
1261	90940	808		N/A			Livermore Falls	Androscoggin	50 Jones Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains all aspects of integrity	Recommended preliminarily NRHP eligible	Direct	Intensive Survey	4924890.304	406462.7071	Not Determined	Point	NA	Not Determined - Further Study
1262	90946	809		N/A			Livermore Falls	Androscoggin	50 Jones Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Barn has collapsed	Recommended preliminarily NRHP eligible	Direct	Intensive Survey	4924899.219	406488.2735	Not Determined	Point	NA	Not Determined - Further Study
1079	90951	810		N/A			Livermore Falls	Androscoggin	1 Wagner Lane	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	Retains all aspects of integrity	mid-20th century Cape; recommended NRHP not eligible	Indirect	No Further Survey	4925003.135	406191.1622	Not Eligible	Point	NA	Not Eligible
1080	90964	811		N/A			Livermore Falls	Androscoggin	30 Spring St	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	Retains all aspects of integrity	mid-20th century Cape; recommended NRHP not eligible	Indirect	No Further Survey	4925326.631	406067.0298	Not Eligible	Point	NA	Not Eligible
1081	90972	812		N/A			Jay	Franklin	104 Franklin Rd/Route 133	Preliminarily Eligible	No	Not Eligible	A: Community development; C: architecture	Retains most aspects of integrity	1930-1960 transitional style from minimal traditional to ranch; potentially eligible at local level. Recommended preliminarily NRHP eligible	Pending	Intensive Survey	4926636.58	405816.5012	Not Determined	Point	NA	Not Determined - Further Study
1265	90982	813		N/A			Jay	Franklin	118 Franklin Rd/Route 133	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	Retains all aspects of integrity	1950s-1960s Ranch; recommended NRHP not eligible	Pending	No Further Survey	4926750.724	405856.5615	Not Eligible	Point	NA	Not Eligible
1082	90985	814		N/A			Jay	Franklin	117 Franklin Rd/Route 133	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	Retains all aspects of integrity	mid-20th century Minimal Traditional; recommended NRHP not eligible	Pending	No Further Survey	4926716.716	406006.5994	Not Eligible	Point	NA	Not Eligible
1083	90987	815		N/A			Jay	Franklin	119 Franklin Rd/Route 133	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	Retains all aspects of integrity	1950s-1960s Ranch; recommended NRHP not eligible	Pending	No Further Survey	4926756.514	405992.8565	Not Eligible	Point	NA	Not Eligible
1084	90989	816		N/A			Jay	Franklin	129 Franklin Rd/Route 133	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	Retains all aspects of integrity	mid-20th century Cape; recommended NRHP not eligible	Pending	No Further Survey	4926814.951	405977.341	Not Eligible	Point	NA	Not Eligible
1085	90996	817		N/A			Jay	Franklin	159 Franklin Rd/Route 133	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance	Retains most aspects of integrity	early-mid 20th century vernacular; recommended NRHP not eligible	Pending	No Further Survey	4927036.627	405956.7974	Not Eligible	Point	NA	Not Eligible
1086	91002	818		N/A			Jay	Franklin	166 Franklin Rd/Route 133	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance	Retains modest integrity, but not enough to merit NRHP eligibility consideration	1840s-1860s Cape, renovated/ modernized; recommended NRHP not eligible	Pending	No Further Survey	4927099.639	405910.2865	Not Eligible	Point	NA	Not Eligible
1087	90992	819		N/A			Jay	Franklin	208 Franklin Rd/Route 133	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance	Retains modest integrity, but not enough to merit NRHP eligibility consideration	early-mid 20th century vernacular; recommended NRHP not eligible	Pending	No Further Survey	4927435.997	405965.1447	Not Eligible	Point	NA	Not Eligible
1181	91696	820		N/A			Jay	Franklin	259 Franklin Rd/Route 133	Not Eligible	No	Not Eligible	N/A: Better examples of historic farmsteads in the area.	Does not retain integrity of design, materials, workmanship.	mid-to-late 19th century farmhouse on 25 acres of pastureland; recommended NRHP not eligible	Pending	No Further Survey	4927765.33	406252.1027	Not Eligible	Point	NA	Not Eligible

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1158	91010	821		N/A			Jay	Franklin	259 Franklin Rd/Route 133	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance	Retains most aspects of integrity	late 19th century barn, 25 acres pastureland; recommended NRHP not eligible	Pending	No Further Survey	4927742.036	406283.1764	Not Eligible	Point	NA	Not Eligible
810	91034	822		N/A			Jay	Franklin	259 Franklin Rd/Route 133	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance	Retains most aspects of integrity	small late 19th century barn/outbuilding on 25 acres pastureland; recommended NRHP not eligible	Pending	No Further Survey	4927732.996	406249.7938	Not Eligible	Point	NA	Not Eligible
1088	91020	823		N/A			Jay	Franklin	293 Franklin Rd/Route 133	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century residence, modest Craftsman influence; recommended NRHP not eligible	Pending	No Further Survey	4928026.246	406245.4455	Not Eligible	Point	NA	Not Eligible
1223	91039	824		N/A			Jay	Franklin	293 Franklin Rd/Route 133	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance	Retains most aspects of integrity	mid 20th century garage/repair shop; recommended NRHP not eligible	Pending	No Further Survey	4928017.289	406260.0589	Not Eligible	Point	NA	Not Eligible
1089	91042	825		N/A		Stones Corner Cemetery	Jay	Franklin	Franklin Rd/Route 133	Not Eligible	No	Not Eligible	N/A: Not of exceptional design or notable significance.	Retains most aspects of integrity	small 19th and 20th century cemetery; recommended NRHP not eligible	Pending	No Further Survey	4928083.645	406197.0415	Not Eligible	Point	NA	Not Eligible
1090	91080	826		N/A			Jay	Franklin	322 Franklin Rd/Route 133	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	Vernacular 20th century garage/storage building; recommended NRHP not eligible	Pending	No Further Survey	4928249.052	406248.1672	Not Eligible	Point	NA	Not Eligible
1091	91097	828		N/A			Jay	Franklin	61 Claybrook Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance	Retains most aspects of integrity	Mid 19th century farmhouse with late 19th century addition; recommended NRHP not eligible	Pending	No Further Survey	4927932.972	406620.8186	Not Eligible	Point	NA	Not Eligible
1092	91105	829		N/A			Jay	Franklin	61 Claybrook Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	Dilapidated barn from turn of the 20th century; recommended NRHP not eligible	Pending	No Further Survey	4927917.17	406584.4832	Not Eligible	Point	NA	Not Eligible
1213	91110	830		N/A			Jay	Franklin	Rose Ridge Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	Dilapidated mid 20th century one bay garage; recommended NRHP not eligible	Pending	No Further Survey	4927476.796	406789.4984	Not Eligible	Point	NA	Not Eligible
1495	86856	1586		236-1308	1		Lewiston	Androscoggin	900 College Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	c. 1955 vernacular residence. MHPC determined not eligible in September 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Indirect	No Further Survey	4888067.09	406112.2187	Not Eligible	Point	NA	Not Eligible
679	86859	1542		236-1309	1		Lewiston	Androscoggin	2395 Kennebec River Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains modest integrity	1840s-1950s farmstead. MHPC determined not eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Indirect	No Further Survey	4888159.072	406187.8573	Not Eligible	Point	NA	Not Eligible
1093	91113	833		N/A			Jay	Franklin	309 Hyde Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance	Retains most aspects of integrity	Mid 20th century Minimal traditional residence; recommended NRHP not eligible	Pending	No Further Survey	4928341.851	406169.1157	Not Eligible	Point	NA	Not Eligible
1215	91101	834		N/A			Jay	Franklin	289 Hyde Road	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance	Retains most aspects of integrity	1960s-1970s Ranch; recommended NRHP not eligible	Pending	No Further Survey	4928336.266	406022.6127	Not Eligible	Point	NA	Not Eligible
680	86862	482		236-1309a	1		Lewiston	Androscoggin	916 College Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4888162.594	406174.887	Not Eligible	Point	NA	Not Eligible
1094	91141	836		N/A		St. Pierre Residence	Jay	Franklin	462 Franklin Rd/Route 133	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	19th century excessively modified Cape; recommended NRHP not eligible	Pending	No Further Survey	4929258.675	406088.8171	Not Eligible	Point	NA	Not Eligible
1175	91193	837		N/A			Jay	Franklin	462 Franklin Rd/Route 133	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	1960s-1980s storage building; recommended NRHP not eligible	Pending	No Further Survey	4929367.802	406060.4199	Not Eligible	Point	NA	Not Eligible
1176	91190	838		N/A		Seamon's Orchard	Jay	Franklin	509 Franklin Rd/Route 133	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	mid-19th century Greek Revival style house, circa 1980s roadside farm stand (Seamon's Orchards), and orchards on 196 acres. Recommended NRHP preliminarily eligible	Pending	Intensive Survey	4929699.475	406044.094	Not Determined	Point	NA	Not Determined - Further Study
1095	91194	839		N/A			Jay	Franklin	16 E Jay Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	19th/20th century vernacular residence; recommended NRHP not eligible	Pending	No Further Survey	4928424.569	406419.5208	Not Eligible	Point	NA	Not Eligible
888	93983	840		N/A			Jay	Franklin	65 E Jay Road	Preliminarily Eligible	No	Not Eligible	A: Agriculture, settlement/development; C: Architecture	Retains most aspects of integrity	Mid 19th century farmhouse with later additions, on small working farm of 140 acres; potentially eligible at local level. Recommended NRHP preliminarily eligible.	Pending	Intensive Survey	4928344.876	406888.9793	Not Determined	Point	NA	Not Determined - Further Study
890	93985	841		N/A			Jay	Franklin	65 E Jay Road	Preliminarily Eligible	No	Not Eligible	A: Agriculture, settlement/development; C: Architecture	Retains most aspects of integrity	Mid 19th century dairy barn, part of farmstead. Recommended NRHP preliminarily eligible.	Pending	Intensive Survey	4928403.747	406949.0652	Not Determined	Point	NA	Not Determined - Further Study
891	93986	842		N/A			Jay	Franklin	65 E Jay Road	Preliminarily Eligible	No	Not Eligible	A: Agriculture, settlement/development; C: Architecture	Retains most aspects of integrity	Mid 19th century barn, mixed use, part of farmstead. Recommended NRHP preliminarily eligible.	Pending	Intensive Survey	4928377.212	406916.3408	Not Determined	Point	NA	Not Determined - Further Study
892	93987	843		N/A			Jay	Franklin	65 E Jay Road	Preliminarily Eligible	No	Not Eligible	A: Agriculture, settlement/development; C: Architecture	Retains most aspects of integrity	1960s utility barn used for equipment storage; part of farmstead. Recommended NRHP preliminarily eligible.	Pending	Intensive Survey	4928383.845	406898.5144	Not Determined	Point	NA	Not Determined - Further Study
893	91222	844		N/A			Jay	Franklin	238 E Jay Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century residence undergoing renovation; recommended NRHP not eligible	Pending	No Further Survey	4929560.923	407432.7926	Not Eligible	Point	NA	Not Eligible
1096	91225	845		N/A			Jay	Franklin	250 E Jay Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century residence; recommended NRHP not eligible	Pending	No Further Survey	4929651.726	407468.2869	Not Eligible	Point	NA	Not Eligible

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1097	91228	846		N/A			Jay	Franklin	104 Belanger Road	Preliminarily Eligible	No	Not Eligible	A: Agriculture, settlement/development; B: Person; C: Architecture	Retains most aspects of integrity	Connected farm on 5 acres; potentially eligible at local level based on unique style and large size indicating possible associations with important person. Recommended NRHP preliminarily eligible.	Pending	Intensive Survey	4930793.929	407765.3226	Not Determined	Point	NA	Not Determined - Further Study
1178	91231	847		N/A			Jay	Franklin	104 Belanger Road	Preliminarily Eligible	No	Not Eligible	A: Agriculture, settlement/development; C: Architecture	Retains most aspects of integrity	Attached barn associated with connected farmstead. Recommended NRHP preliminarily eligible.	Pending	Intensive Survey	4930784.828	407734.7034	Not Determined	Point	NA	Not Determined - Further Study
1098	91234	848		N/A			Jay	Franklin	218 Belanger Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century small farmhouse; recommended NRHP not eligible	Pending	No Further Survey	4931535.229	407550.2359	Not Eligible	Point	NA	Not Eligible
1099	91237	849		N/A			Jay	Franklin	218 Belanger Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century small barn; recommended NRHP not eligible	Pending	No Further Survey	4931579.238	407572.2056	Not Eligible	Point	NA	Not Eligible
1179	91240	850		N/A			Jay	Franklin	218 Belanger Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	1960s barn/storage building; recommended NRHP not eligible	Pending	No Further Survey	4931555.817	407543.8848	Not Eligible	Point	NA	Not Eligible
1100	91243	851		N/A			Jay	Franklin	314 Belanger Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century barn; recommended NRHP not eligible	Pending	No Further Survey	4932153.334	407175.2981	Not Eligible	Point	NA	Not Eligible
1101	91246	852		N/A			Jay	Franklin	314 Belanger Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century residence in disrepair; recommended NRHP not eligible	Pending	No Further Survey	4932136.869	407160.6417	Not Eligible	Point	NA	Not Eligible
1102	91278	853		N/A			Jay	Franklin	48 Quirrion Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century residence; recommended NRHP not eligible	Pending	No Further Survey	4931840.44	406880.6244	Not Eligible	Point	NA	Not Eligible
1103	91280	854		N/A			Jay	N/A	855 E Jay Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century residence; recommended NRHP not eligible	Pending	No Further Survey	4933617.285	408510.1729	Not Eligible	Point	NA	Not Eligible
697	91284	855		N/A			Jay	Franklin	880 E Jay Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance	Retains most aspects of integrity	early 20th century residence; recommended NRHP not eligible	Pending	No Further Survey	4933796.621	408557.6314	Not Eligible	Point	NA	Not Eligible
1104	91286	856		N/A		M.T. Farm	Jay	Franklin	291 Soules Hill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance. Better examples of extant dairy farms in the area	This resource retains modest integrity	Barn complex at dairy farm. Mid 20th century additions to c. 1900 hay barn. recommended NRHP not eligible	Pending	No Further Survey	4935568.758	408911.1208	Not Eligible	Point	NA	Not Eligible
1105	91281	857		N/A			Jay	Franklin	88 Soules Hill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century Cape style residence; recommended NRHP not eligible	Pending	No Further Survey	4936318.142	408170.4165	Not Eligible	Point	NA	Not Eligible
1106	91319	858		N/A			Jay	Franklin	121 Beedy Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	Residence of mid 19th century connected farm; recommended NRHP not eligible	Pending	No Further Survey	4934766.46	407543.0939	Not Eligible	Point	NA	Not Eligible
1159	91694	859		N/A			Jay	N/A	121 Beedy Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	Barn of mid 19th century connected farm; recommended NRHP not eligible	Pending	No Further Survey	4934763.964	407523.9078	Not Eligible	Point	NA	Not Eligible
1107	91322	860		N/A			Jay	Franklin	124 Beedy Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century residence; recommended NRHP not eligible	Pending	No Further Survey	4934718.034	407843.7278	Not Eligible	Point	NA	Not Eligible
1108	91327	861		N/A			Wilton	Franklin	67 ME-156	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	Colonial Revival Cape; recommended NRHP not eligible	Direct	No Further Survey	4938319.197	409101.9812	Not Eligible	Point	NA	Not Eligible
681	86857	483		236-1309b	1		Lewiston	Androscoggin	916 College Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4888145.053	406179.9014	Not Eligible	Point	NA	Not Eligible
1109	91329	862		N/A			Wilton	Franklin	67 ME-156	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century complex of small outbuildings; recommended NRHP not eligible	Direct	No Further Survey	4938292.206	409057.495	Not Eligible	Point	NA	Not Eligible
1110	91331	863		N/A			Jay	Franklin	308 Chesterville Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century Greek Revival house with larger early 20th century Cape addition; recommended NRHP not eligible	Pending	No Further Survey	4937415.453	408507.3876	Not Eligible	Point	NA	Not Eligible
706	91332	864		N/A			Wilton	Franklin	308 Chesterville Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century gambrel roofed barn; recommended NRHP not eligible	Pending	No Further Survey	4937436.136	408529.0835	Not Eligible	Point	NA	Not Eligible
1111	91334	865		N/A			Jay	N/A	236 Chesterville Road	Preliminarily Eligible	No	Not Eligible	A: Agriculture, settlement/development; C: Architecture	This resource retains most aspects of integrity	1910-1920s Cape with attached barn. Connected farmhouse on 12 acres. Potentially eligible at local level. Recommended NRHP preliminarily eligible.	Pending	Intensive Survey	4936931.9	408239.3536	Not Determined	Point	NA	Not Determined - Further Study
1112	91337	866		N/A			Jay	Franklin	236 Chesterville Road	Preliminarily Eligible	No	Not Eligible	A: Agriculture, settlement/development; C: Architecture	This resource retains modest integrity	late 19th century attached barn. Potentially eligible at local level as part of farmstead. Recommended NRHP preliminarily eligible.	Pending	Intensive Survey	4936968.343	408263.0424	Not Determined	Point	NA	Not Determined - Further Study
1113	91339	867		N/A			Jay	Franklin	236 Chesterville Road	Preliminarily Eligible	No	Not Eligible	A: Agriculture, settlement/development; C: Architecture	This resource retains modest integrity	early 20th century 3 story, part of farmstead. Potentially eligible at local level as part of farmstead. Recommended NRHP preliminarily eligible.	Pending	Intensive Survey	4936982.015	408225.3242	Not Determined	Point	NA	Not Determined - Further Study
895	91343	868		N/A			Jay	Franklin	221 Chesterville Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	1960s-1970s barn; recommended NRHP not eligible	Pending	No Further Survey	4936891.99	408284.9611	Not Eligible	Point	NA	Not Eligible
1114	91345	869		N/A			Wilton	Franklin	McCrillis Corner Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	Early to mid 19th century Cape that has been modernized; recommended NRHP not eligible	Direct	No Further Survey	4938801.982	409429.0127	Not Eligible	Point	NA	Not Eligible

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712	91354	870		N/A			Jay	Franklin	481 McCrillis Corner Road	Preliminarily Eligible	No	Not Eligible	A: Community development; C: architecture	Retains all aspects of integrity	Potentially eligible as a good intact example of mid 19th century side hall. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4939059.777	409245.6803	Not Determined	Point	NA	Not Determined - Further Study
1115	91357	871		N/A			Wilton	Franklin	416 McCrillis Corner Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century barn; recommended NRHP not eligible	Direct	No Further Survey	4939417.281	409037.9818	Not Eligible	Point	NA	Not Eligible
714	91360	872		N/A			Wilton	Franklin	348 McCrillis Corner Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century vernacular residence, with connected garage/storage building; recommended NRHP not eligible	Indirect	No Further Survey	4939493.402	408456.9201	Not Eligible	Point	NA	Not Eligible
717	91363	873		N/A			Wilton	Franklin	348 McCrillis Corner Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century storage building; recommended NRHP not eligible	Indirect	No Further Survey	4939511.258	408448.5884	Not Eligible	Point	NA	Not Eligible
1116	91369	874		N/A			Wilton	Franklin	348 McCrillis Corner Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture, settlement/development; C: Architecture	This resource retains modest integrity	Large late 19th to early 20th century bank barn. Potentially eligible as unique example of an extended bank barn with raised ell addition. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4939515.46	408420.4273	Not Determined	Point	NA	Not Determined - Further Study
1117	91344	875		N/A			Farmington	Franklin	140 Hammond Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	Late 19th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4940109.973	408630.1163	Not Eligible	Point	NA	Not Eligible
1118	91373	876		N/A			Farmington	Franklin	140 Hammond Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	Town line runs along road. early 20th century equipment building/garage; recommended NRHP not eligible	Indirect	No Further Survey	4940095.379	408585.0476	Not Eligible	Point	NA	Not Eligible
1119	91356	877		N/A			Farmington	Franklin	Hammond Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	Early 20th century barn addition to house; recommended NRHP not eligible	Indirect	No Further Survey	4940078.235	408672.7036	Not Eligible	Point	NA	Not Eligible
1160	91705	878		N/A			Farmington	N/A	140 Hammond Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	Late 19th to early 20th century Cape with additions; recommended NRHP not eligible	Indirect	No Further Survey	4940088.978	408649.95	Not Eligible	Point	NA	Not Eligible
1120	91378	879		N/A			Farmington	Franklin	443 Webster Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	19th century modified Cape residence; recommended NRHP not eligible	Indirect	No Further Survey	4939719.878	409550.009	Not Eligible	Point	NA	Not Eligible
1121	91379	880		N/A			Farmington	Franklin	443 Webster Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	1920s small barn; recommended NRHP not eligible	Indirect	No Further Survey	4939732.26	409515.8158	Not Eligible	Point	NA	Not Eligible
720	91376	881		N/A		Bridge	Farmington	Franklin	Webster Road over Wilson Stream	Not Eligible	No	Not Eligible	N/A: Not unique or exceptional example of engineering; lacks historical significance	This resource retains modest integrity	mid 20th century bridge; recommended NRHP not eligible	Pending	No Further Survey	4941319.016	409474.5033	Not Eligible	Point	NA	Not Eligible
721	91381	882		N/A			Farmington	Franklin	197 Webster Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Less than 50 years old.	Following fieldwork, this building was confirmed to be less than 50 years old. Therefore it does not meet the age criteria for NRHP eligibility, and is therefore recommended NRHP not eligible or for NRHP eligibility.	Direct	No Further Survey	4941476.916	409267.2707	Not Eligible	Point	NA	Not Eligible
1161	91706	883		N/A			Farmington	N/A	197 Webster Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Less than 50 years old.	Following fieldwork, this building was confirmed to be less than 50 years old. Therefore it does not meet the age criteria for NRHP eligibility, and is therefore recommended NRHP not eligible or for NRHP eligibility.	Direct	No Further Survey	4941464.671	409277.9248	Not Eligible	Point	NA	Not Eligible
722	91384	884		N/A			Farmington	Franklin	Webster Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Less than 50 years old.	Following fieldwork, this building was confirmed to be less than 50 years old. Therefore it does not meet the age criteria for NRHP eligibility, and is therefore recommended NRHP not eligible or for NRHP eligibility.	Indirect	No Further Survey	4941907.727	409076.2781	Not Eligible	Point	NA	Not Eligible
678	86849	1541		236-1309hfs	1		Lewiston	Androscoggin	40 Merrill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains modest integrity	late 19th to early 20th farmstead. MHPC determined not eligible in September 2009, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Indirect	No Further Survey	4888176.033	406110.4863	Not Eligible	Point	NA	Not Eligible
682	86855	484		236-1310	1		Lewiston	Androscoggin	918 College Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4888239.998	406244.0582	Not Eligible	Point	NA	Not Eligible
1122	91393	889		N/A			Farmington	Franklin	423 Knowlton Corner Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century multi-use barn; recommended NRHP not eligible	Indirect	No Further Survey	4941765.658	410390.2838	Not Eligible	Point	NA	Not Eligible
723	91396	890		N/A			Farmington	Franklin	423 Knowlton Corner Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century stable/garage and storage; recommended NRHP not eligible	Indirect	No Further Survey	4941737.378	410382.6481	Not Eligible	Point	NA	Not Eligible
724	91398	891		N/A			Farmington	Franklin	423 Knowlton Corner Road	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains most aspects of integrity	1871 barn, better extant examples that are still associated with original farmhouse; recommended NRHP not eligible	Indirect	No Further Survey	4941651.406	410337.6823	Not Eligible	Point	NA	Not Eligible
1244	91394	892		N/A			Farmington	Franklin	423 Knowlton Corner Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	small late 19th century shed; recommended NRHP not eligible	Indirect	No Further Survey	4941668.828	410340.5524	Not Eligible	Point	NA	Not Eligible
725	91399	893		N/A			Farmington	Franklin	423 Knowlton Corner Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century chicken coop; recommended NRHP not eligible	Indirect	No Further Survey	4941671.768	410400.0362	Not Eligible	Point	NA	Not Eligible
726	91400	894		N/A			Farmington	Franklin	434 Knowlton Corner Road	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains most aspects of integrity	early 20th century brick Cape; recommended NRHP not eligible	Indirect	No Further Survey	4941632.458	410484.7402	Not Eligible	Point	NA	Not Eligible
1123	91402	895		N/A			Farmington	Franklin	397 Whittier Road	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains most aspects of integrity	late 18th century Georgian influenced house; better intact examples; recommended NRHP not eligible	Indirect	No Further Survey	4943529.48	410663.5346	Not Eligible	Point	NA	Not Eligible

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728	91403	896		N/A			Farmington	Franklin	397 Whittier Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century one car garage; recommended NRHP not eligible	Indirect	No Further Survey	4943520.197	410689.4692	Not Eligible	Point	NA	Not Eligible
753	91405	897		N/A			Farmington	Franklin	397 Whittier Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	small storage shed; recommended NRHP not eligible	Indirect	No Further Survey	4943487.084	410649.049	Not Eligible	Point	NA	Not Eligible
1124	91401	898		N/A			Farmington	Franklin	300 Whittier Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 18th century Georgian influenced house; better intact examples; recommended NRHP not eligible	Direct	No Further Survey	4943963.99	410090.8936	Not Eligible	Point	NA	Not Eligible
1125	91408	899		N/A			Farmington	Franklin	300 Whittier Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century garage; recommended NRHP not eligible	Direct	No Further Survey	4943959.113	410067.7909	Not Eligible	Point	NA	Not Eligible
1126	91409	900		N/A			Farmington	Franklin	262 Whittier Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	Early to mid 19th century Cape that has been modernized; recommended NRHP not eligible	Direct	No Further Survey	4944121.612	409811.7594	Not Eligible	Point	NA	Not Eligible
1127	90652	901		N/A			Farmington	Franklin	262 Whittier Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century farm building complex; recommended NRHP not eligible	Direct	No Further Survey	4944161.989	409789.982	Not Eligible	Point	NA	Not Eligible
1128	90658	902		N/A			Farmington	Franklin	Whittier Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	Mid to late 19th century vernacular residence;; recommended NRHP not eligible	Indirect	No Further Survey	4944105.545	409660.8805	Not Eligible	Point	NA	Not Eligible
1129	90661	904		N/A		Moses Chandler House /The Farmington Conference Center	Farmington	Franklin	216 Whittier Rd	Preliminarily Eligible	No	Not Eligible	A: Community development; C: architecture	This resource retains most aspects of integrity	House built 1740s with second floor added 1840s; home of Moses Chandler; former general store. Potentially eligible at local or regional level for history of commerce. Recommended preliminarily NRHP eligible.	Indirect	Intensive Survey	4944213.272	409481.9427	Not Determined	Point	NA	Not Determined - Further Study
1130	90670	905		N/A		Fairview Cemetery	Farmington	Franklin	Farmington Falls Rd	Not Eligible	No	Not Eligible	N/A: No notable design elements and lacks historical significance	This resource retains most aspects of integrity	early to mid 20th century cemetery; recommended NRHP not eligible	Indirect	No Further Survey	4945495.985	409805.7047	Not Eligible	Point	NA	Not Eligible
1131	90674	906		N/A		Twitchell Fuel Co.	Farmington	Franklin	259 Farmington Falls Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4945332.52	409823.2114	Not Eligible	Point	NA	Not Eligible
1132	90671	907		N/A			Farmington	Franklin	262 Farmington Falls Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4945379.282	409826.481	Not Eligible	Point	NA	Not Eligible
1133	90677	908		N/A			Farmington	Franklin	268 Farmington Falls Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century Cape; recommended NRHP not eligible	Indirect	No Further Survey	4945348.985	409861.919	Not Eligible	Point	NA	Not Eligible
1134	90679	909		N/A			Farmington	Franklin	274 Farmington Falls Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid to late 19th century Italianate influenced residence; recommended NRHP not eligible	Indirect	No Further Survey	4945320.038	409897.2054	Not Eligible	Point	NA	Not Eligible
1135	90672	910		N/A			Farmington	Franklin	274 Farmington Falls Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century attached barn converted to garage; recommended NRHP not eligible	Indirect	No Further Survey	4945324.297	409914.1	Not Eligible	Point	NA	Not Eligible
1136	90683	911		N/A			Farmington	Franklin	275 Farmington Falls Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4945268.612	409884.6869	Not Eligible	Point	NA	Not Eligible
1137	90680	912		N/A			Farmington	Franklin	276 Farmington Falls Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early to mid 20th century vernacular; recommended NRHP not eligible	Indirect	No Further Survey	4945302.68	409926.3675	Not Eligible	Point	NA	Not Eligible
1138	90686	913		N/A			Farmington	Franklin	288 Farmington Falls Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4945254.388	409985.5384	Not Eligible	Point	NA	Not Eligible
1139	90703	914		N/A			Farmington	Franklin	290 Farmington Falls Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4945239.966	410007.2237	Not Eligible	Point	NA	Not Eligible
1205	90704	915		N/A		Deep Root Tree Service	Farmington	N/A	296 Farmington Falls Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	Mid 20th century Minimal traditional residence; recommended NRHP not eligible	Indirect	No Further Survey	4945213.627	410038.2178	Not Eligible	Point	NA	Not Eligible
1206	90709	916		N/A			Farmington	Franklin	300 Farmington Falls Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	Mid 20th century Minimal traditional residence; recommended NRHP not eligible	Indirect	No Further Survey	4945198.245	410055.7511	Not Eligible	Point	NA	Not Eligible
1207	90714	917		N/A			Farmington	Franklin	288 Farmington Falls Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century barn converted to residence; recommended NRHP not eligible	Indirect	No Further Survey	4945264.273	409997.2816	Not Eligible	Point	NA	Not Eligible
1230	92086	918		N/A			Farmington	Franklin	293 Farmington Falls Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	This resource retains most aspects of integrity	mid 19th century Greek Revival influenced house on 86 acres, part of Sandy River Farms. Potentially eligible at local or regional level for agricultural history, and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4945182.017	409976.0296	Not Determined	Point	NA	Not Determined - Further Study

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1253	92235	919		N/A			Farmington	Franklin	414 Farmington Falls Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	This resource retains modest integrity	late 19th century dairy barn, part of connected farmhouse on 270 acre farmstead; potentially eligible for association with agriculture and commerce, and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4944877.428	410945.0352	Not Determined	Point	NA	Not Determined - Further Study
1227	92056	920		N/A			Farmington	Franklin	293 Farmington Falls Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	This resource retains modest integrity	early 20th century barn on 86 acres, part of Sandy River Farms. Potentially eligible at local or regional level for agricultural history. Recommended preliminarily eligible.	Indirect	Intensive Survey	4945147.428	410018.3623	Not Determined	Point	NA	Not Determined - Further Study
1228	92068	921		N/A			Farmington	Franklin	293 Farmington Falls Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	This resource retains modest integrity	mid 20th century arced roof barn on 86 acres, part of Sandy River Farms. Potentially eligible at local or regional level for agricultural history. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4945122.648	410045.2074	Not Determined	Point	NA	Not Determined - Further Study
1229	92075	922		N/A			Farmington	Franklin	293 Farmington Falls Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	This resource retains modest integrity	early 20th century dairy barn on 86 acres, part of Sandy River Farms. Potentially eligible at local or regional level for agricultural history, and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4945133.489	410001.8422	Not Determined	Point	NA	Not Determined - Further Study
1208	90729	923		N/A			Farmington	Franklin	317 Farmington Falls Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century Tudor Revival influenced residence; recommended NRHP not eligible	Indirect	No Further Survey	4945083.021	410146.6499	Not Eligible	Point	NA	Not Eligible
1209	91860	924		N/A			Farmington	Franklin	317 Farmington Falls Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century attached barn converted to garage; recommended NRHP not eligible	Indirect	No Further Survey	4945071.778	410146.5344	Not Eligible	Point	NA	Not Eligible
1210	90733	925		N/A			Farmington	Franklin	Evergreen Ln	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century vernacular residence; recommended NRHP not eligible.	Indirect	No Further Survey	4945064.746	410217.8008	Not Eligible	Point	NA	Not Eligible
1211	90735	926		N/A			Farmington	Franklin	Evergreen Ln	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	mid 19th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4945055.73	410236.0759	Not Eligible	Point	NA	Not Eligible
1212	90717	927		N/A			Farmington	Franklin	372 Farmington Falls Rd	Preliminarily Eligible	No	Not Eligible	A: Community development; C: architecture	This resource retains most aspects of integrity	Potentially eligible as a good intact example of c. 1830s side hall connected farmhouse and the evolution of a farm to modern commercial use. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4945077.66	410579.16	Not Determined	Point	NA	Not Determined - Further Study
1140	90740	928		N/A		Case Cemetery	Farmington	N/A	Farmington Falls Rd	Not Eligible	No	Not Eligible	N/A: Not of exceptional design or notable significance.	This resource retains modest integrity	small early 20th century cemetery; recommended NRHP not eligible	Indirect	No Further Survey	4944896.578	410803.3631	Not Eligible	Point	NA	Not Eligible
690	90738	929		N/A			Farmington	Franklin	408 Farmington Falls Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4944920.251	410853.5298	Not Eligible	Point	NA	Not Eligible
1249	92244	930		N/A			Farmington	Franklin	414 Farmington Falls Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	This resource retains most aspects of integrity	Late 19th century farmhouse on a 270 acre farmstead, potentially eligible for association with agriculture and commerce, and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4944894.723	410868.6297	Not Determined	Point	NA	Not Determined - Further Study
1250	92248	931		N/A			Farmington	Franklin	414 Farmington Falls Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains all aspects of integrity	mid 19th century Gothic Revival connected farmhouse on 270 acre farmstead; potentially eligible for association with agriculture and commerce, and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4944851.616	410908.8975	Not Determined	Point	NA	Not Determined - Further Study
1252	92250	932		N/A			Farmington	Franklin	414 Farmington Falls Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	This resource retains most aspects of integrity	mid 19th century barn, part of connected farmhouse on 270 acre farmstead; potentially eligible for association with agriculture and commerce, and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4944872.266	410925.4176	Not Determined	Point	NA	Not Determined - Further Study
1256	92246	933		N/A			Farmington	Franklin	RTE 2/ ME 27	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4944808.251	410992.5304	Not Eligible	Point	NA	Not Eligible
691	90758	934		N/A			Farmington	Franklin	468 Farmington Falls Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	Mid 20th century Minimal traditional residence; recommended NRHP not eligible	Indirect	No Further Survey	4944658.552	411139.8393	Not Eligible	Point	NA	Not Eligible
692	90746	935		N/A			Farmington	Franklin	468 Farmington Falls Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	mid 20th century one car garage; recommended NRHP not eligible	Indirect	No Further Survey	4944650.754	411158.6018	Not Eligible	Point	NA	Not Eligible
693	90767	936		N/A			Farmington	Franklin	465 Farmington Falls Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century Ranch; recommended NRHP not eligible	Indirect	No Further Survey	4944573.268	411134.235	Not Eligible	Point	NA	Not Eligible
694	90775	937		N/A			Farmington	Franklin	420 High Street	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century small barn; recommended NRHP not eligible	Indirect	No Further Survey	4945206.317	410178.3267	Not Eligible	Point	NA	Not Eligible
695	90779	938		N/A			Farmington	Franklin	420 High Street	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4945195.511	410188.3171	Not Eligible	Point	NA	Not Eligible

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696	90784	939		N/A			Farmington	Franklin	420 High Street	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century small attached barn; recommended NRHP not eligible	Indirect	No Further Survey	4945188.529	410198.5511	Not Eligible	Point	NA	Not Eligible
727	90788	940		N/A			Farmington	Franklin	406 High Street	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4945286.971	410125.4508	Not Eligible	Point	NA	Not Eligible
1141	90796	941		N/A			Farmington	Franklin	405 High Street	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4945263.77	410103.3815	Not Eligible	Point	NA	Not Eligible
776	90799	942		N/A			Farmington	Franklin	401 High Street	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence (may have been barn); recommended NRHP not eligible	Indirect	No Further Survey	4945289.651	410081.1033	Not Eligible	Point	NA	Not Eligible
777	90803	943		N/A			Farmington	Franklin	395 High Street	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4945330.1	410059.1732	Not Eligible	Point	NA	Not Eligible
778	90752	944		N/A			Farmington	Franklin	395 High Street	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century attached barn converted to residence; recommended NRHP not eligible	Indirect	No Further Survey	4945317.185	410046.9898	Not Eligible	Point	NA	Not Eligible
779	90835	945		N/A			Farmington	Franklin	398 High Street	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	mid 19th century Greek Revival influenced residence; recommended NRHP not eligible	Indirect	No Further Survey	4945329.613	410096.2107	Not Eligible	Point	NA	Not Eligible
781	90833	946		N/A			Farmington	Franklin	398 High Street	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century attached barn converted to residence; recommended NRHP not eligible	Indirect	No Further Survey	4945337.897	410108.8814	Not Eligible	Point	NA	Not Eligible
782	90834	947		N/A			Farmington	Franklin	394 High Street	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	mid 19th century Greek Revival influenced residence; recommended NRHP not eligible	Indirect	No Further Survey	4945351.543	410074.7679	Not Eligible	Point	NA	Not Eligible
1142	90836	948		N/A		Farmington Fairgrounds	Farmington	Franklin	292 High Street	Preliminarily Eligible	No	Not Eligible	A: Community development; C: design/construction	This resource retains modest integrity	Farmington Fairgrounds c. 1840; potentially eligible for associations with community development, social history, entertainment/recreation. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4945784.466	409890.214	Not Determined	Point	NA	Not Determined - Further Study
1143	90838	949		N/A			Farmington	Franklin	Summit Ave	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	Mid 20th century Minimal traditional residence; recommended NRHP not eligible	Indirect	No Further Survey	4945072.988	410813.1244	Not Eligible	Point	NA	Not Eligible
635	90842	950		N/A			Farmington	Franklin	122 Davis Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4945152.466	410771.4138	Not Eligible	Point	NA	Not Eligible
636	90844	951		N/A			Farmington	Franklin	128 Davis Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	mid 20th century Ranch; recommended NRHP not eligible	Indirect	No Further Survey	4945178.051	410803.8216	Not Eligible	Point	NA	Not Eligible
987	90831	952		N/A			Farmington	Franklin	133 Davis Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	mid 20th century Ranch; recommended NRHP not eligible	Indirect	No Further Survey	4945186.265	410884.7543	Not Eligible	Point	NA	Not Eligible
637	90849	954		N/A			Farmington	Franklin	158 Davis Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	mid 20th century Ranch; recommended NRHP not eligible	Indirect	No Further Survey	4945357.391	410967.0789	Not Eligible	Point	NA	Not Eligible
988	90853	956		N/A			Farmington	Franklin	389 Davis Rd	Not Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains modest integrity	early 20th century house on 217 acres (124 acre hardwood farm; 90 acre pasture) owned by Shirley E. Bailey (also owner of 639 Bailey Hill Rd). Potentially eligible for associations with settlement/development and agriculture; with Oliver Bailey, an early settler of area in 1788; and architecture. Recommended NRHP preliminarily eligible.	Indirect	No Further Survey	4946720.761	412015.9598	Not Eligible	Point	NA	Not Eligible
638	90856	958		N/A		culvert	Farmington	Franklin	Bailey Hill Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	culvert; recommended NRHP ineligible	Pending	No Further Survey	4946763.597	410552.8438	Not Eligible	Point	NA	Not Eligible
989	90860	959		N/A			Farmington	Franklin	349 Bailey Hill Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4946860.135	410789.7158	Not Eligible	Point	NA	Not Eligible
639	90857	960		N/A			Farmington	Franklin	357 Bailey Hill Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4946898.345	410814.543	Not Eligible	Point	NA	Not Eligible
990	90863	961		N/A			Farmington	Franklin	375 Bailey Hill Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	mid 20th century Ranch; recommended NRHP not eligible	Indirect	No Further Survey	4946959.796	410927.0056	Not Eligible	Point	NA	Not Eligible
640	90866	963		N/A			Farmington	Franklin	416 Bailey Hill Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4947175.444	411149.5374	Not Eligible	Point	NA	Not Eligible
991	90871	964		N/A			Farmington	Franklin	452 Bailey Hill Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	1960s Ranch; recommended NRHP not eligible	Indirect	No Further Survey	4947345.085	411374.7054	Not Eligible	Point	NA	Not Eligible
992	90874	965		N/A			Farmington	Franklin	457 Bailey Hill Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4947324.697	411442.3906	Not Eligible	Point	NA	Not Eligible

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993	90867	966		N/A			Farmington	Franklin	467 Bailey Hill Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century modern; recommended NRHP not eligible	Indirect	No Further Survey	4947365.299	411502.763	Not Eligible	Point	NA	Not Eligible
994	90879	967		N/A			Farmington	Franklin	488 Bailey Hill Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	mid 20th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4947533.142	411628.2227	Not Eligible	Point	NA	Not Eligible
995	90884	968		N/A			Farmington	Franklin	484 Bailey Hill Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century Ranch; recommended NRHP not eligible	Indirect	No Further Survey	4947564.907	411584.4408	Not Eligible	Point	NA	Not Eligible
1182	90896	969		N/A			Farmington	Franklin	513-520 Davis Rd, 602 Bailey Hill Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains most aspects of integrity	Several parcels owned by Marc H. Bailey totaling 209 acres with 2 residences and a dairy farm. Potentially eligible for associations with settlement/development and agriculture; with Oliver Bailey, an early settler of area in 1788; and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4947677.594	411875.4719	Not Determined	Point	NA	Not Determined - Further Study
1183	91939	970		N/A			Farmington	Franklin	520 Davis Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains most aspects of integrity	Cape house built 1820, part of dairy farm parcel. Potentially eligible for associations with settlement/development and agriculture; with Oliver Bailey, an early settler of area in 1788; and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4947788.683	411915.7974	Not Determined	Point	NA	Not Determined - Further Study
1184	91942	971		N/A			Farmington	Franklin	513 Davis Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains most aspects of integrity	1940s concrete silo. Potentially eligible for associations with settlement/development and agriculture; with Oliver Bailey, an early settler of area in 1788; and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4947757.936	411961.3886	Not Determined	Point	NA	Not Determined - Further Study
1185	91935	972		N/A			Farmington	Franklin	520 Davis Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains modest integrity	Potentially eligible for associations with settlement/development and agriculture; with Oliver Bailey, an early settler of area in 1788; and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4947754.755	411942.8341	Not Determined	Point	NA	Not Determined - Further Study
996	90891	973		N/A			Farmington	Franklin	535 Bailey Hill Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century Ranch; recommended NRHP not eligible	Direct	No Further Survey	4947558.877	411962.0884	Not Eligible	Point	NA	Not Eligible
1186	91945	974		N/A			Farmington	Franklin	602 Bailey Hill Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains modest integrity	House built 1857. Potentially eligible for associations with settlement/development and agriculture; with Oliver Bailey, an early settler of area in 1788; and architecture. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4947705.453	412455.4698	Not Determined	Point	NA	Not Determined - Further Study
737	91979	975		N/A		Bailey Hill Dairy Farm	Farmington	Franklin	Bailey Hill Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains modest integrity	mid 19th century barn in disrepair; part of 137 acre farmstead owned by Shirley E Bailey. Potentially eligible for associations with settlement/development and agriculture; with Oliver Bailey, an early settler of area in 1788; and architecture. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4947742.166	412449.6812	Not Determined	Point	NA	Not Determined - Further Study
738	91982	976		N/A		Bailey Hill Dairy Farm	Farmington	Franklin	639 Bailey Hill Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains most aspects of integrity	early 19th century connected farmhouse on 137 acre farmstead owned by Shirley E Bailey. Potentially eligible for associations with settlement/development and agriculture; with Oliver Bailey, an early settler of area in 1788; and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4947629.247	412744.9509	Not Determined	Point	NA	Not Determined - Further Study
741	91986	977		N/A		Bailey Hill Dairy Farm	Farmington	Franklin	639 Bailey Hill Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains modest integrity	mid 20th century barn; part of 137 acre farmstead owned by Shirley E Bailey. Potentially eligible for associations with settlement/development and agriculture; with Oliver Bailey, an early settler of area in 1788; and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4947600.595	412724.782	Not Determined	Point	NA	Not Determined - Further Study
997	90923	978		N/A			Farmington	Franklin	116 Osborne Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4947910.801	413569.5661	Not Eligible	Point	NA	Not Eligible
683	86864	490		236-1313	1		Lewiston	Androscoggin	40 Merrill Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4888555.156	405804.0938	Not Eligible	Point	NA	Not Eligible
685	86865	491		236-1313a	1		Lewiston	Androscoggin	155 Merrill Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4888643.176	405867.2798	Not Eligible	Point	NA	Not Eligible
686	86868	1549		236-1314	1		Lewiston	Androscoggin	102 Merrill Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains modest integrity	early 20th c. foursquare. MHPC determined not eligible in September 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Indirect	No Further Survey	4888833.369	405602.5106	Not Eligible	Point	NA	Not Eligible
611	57650	781		249-0025	1	Treat Cemetery /249-0025	Livermore Falls	Androscoggin	Twelve Corners Road and Pomeroy Road	Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	This resource was previously determined eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	Finding of Effects	4924287.37	406892.4401	Eligible	Point	NA	Listed/Eligible - Further Study

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612	57651	778		249-0026	1		Livermore Falls	Androscoggin	Fayette Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4924121.136	406646.1989	Not Eligible	Point	NA	Not Eligible
613	57652	774		249-0027	1		Livermore Falls	Androscoggin	Fayette Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4924104.216	406570.3273	Not Eligible	Point	NA	Not Eligible
743	90920	985		N/A			Farmington	Franklin	481 Week Mills Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	mid 19th century Cape; recommended NRHP not eligible	Direct	No Further Survey	4949151.052	413743.852	Not Eligible	Point	NA	Not Eligible
745	91996	986		N/A		Fred Hardy Farm	New Sharon	Franklin	879 Weeks Mills Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains modest integrity	Fred Hardy Farm on 180 acres (3 parcels), 1840s connected farmhouse. Potentially eligible for associations with agriculture and commerce; locally important citizen; and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4949329.952	414524.0592	Not Determined	Point	NA	Not Determined - Further Study
746	91998	987		N/A		Fred Hardy Farm	New Sharon	Franklin	879 Weeks Mills Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains modest integrity	early 20th century calving barn. Potentially eligible for associations with agriculture and commerce; locally important citizen; and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4949364.326	414512.1238	Not Determined	Point	NA	Not Determined - Further Study
747	92000	988		N/A		Fred Hardy Farm	New Sharon	Franklin	879 Weeks Mills Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains modest integrity	Mid 20th century dairy barn. Potentially eligible for associations with agriculture and commerce; locally important citizen; and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4949379.126	414538.3816	Not Determined	Point	NA	Not Determined - Further Study
998	90941	989		N/A			New Sharon	Franklin	821 Weeks Mills Road	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	mid 19th century Greek Revival and Italianate residence; recommended NRHP not eligible	Indirect	No Further Survey	4949094.996	414821.83	Not Eligible	Point	NA	Not Eligible
749	90949	990		N/A			New Sharon	Franklin	827 Week Mills Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4949075.362	414841.0445	Not Eligible	Point	NA	Not Eligible
999	90953	991		N/A			New Sharon	Franklin	821 Weeks Mills Road	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	small early 20th century outbuilding; recommended NRHP not eligible	Indirect	No Further Survey	4949117.031	414840.4267	Not Eligible	Point	NA	Not Eligible
1000	90956	992		N/A			New Sharon	Franklin	19 Crystal Vale Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4949176.226	414915.4195	Not Eligible	Point	NA	Not Eligible
750	90959	993		N/A		culvert	New Sharon	Franklin	Crystal Vale Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Retains most aspects of integrity	culvert; recommended NRHP ineligible	Direct	No Further Survey	4949743.072	415325.618	Not Eligible	Point	NA	Not Eligible
1001	90961	994		N/A			New Sharon	Franklin	133 Crystal Vale Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	mid to late 19th century residence; recommended NRHP not eligible	Indirect	No Further Survey	4949855.198	415419.166	Not Eligible	Point	NA	Not Eligible
1002	90963	995		N/A			New Sharon	Franklin	15 Gordon Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	mid 19th century connected farmhouse (barn is modern); recommended NRHP not eligible	Indirect	No Further Survey	4949998.942	415628.233	Not Eligible	Point	NA	Not Eligible
1003	90965	996		N/A			New Sharon	Franklin	10 Clearwater Rd	Not Eligible	No	Not Eligible	N/A: This resource retains modest integrity; lacks architectural and historical significance	This resource retains modest integrity	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4950141.052	415495.2717	Not Eligible	Point	NA	Not Eligible
1004	90967	997		N/A			New Sharon	Franklin	10 Clearwater Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	early 20th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4950132.204	415494.0887	Not Eligible	Point	NA	Not Eligible
1225	90973	998		N/A			Industry	Franklin	Bailey Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant, nor is it significant for its engineering; and low likelihood for historical significance.	This resource retains most aspects of integrity	culvert; recommended NRHP ineligible	Indirect	No Further Survey	4951962.301	416943.6866	Not Eligible	Point	NA	Not Eligible
1005	90664	1000		N/A			Industry	Franklin	1642 Industry Rd/ ME-43	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century cape with later addition; recommended NRHP not eligible	Indirect	No Further Survey	4952053.65	418352.3251	Not Eligible	Point	NA	Not Eligible
1006	90673	1001		N/A			Industry	Franklin	1648 Industry Road/ME-43	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4952057.789	418415.0077	Not Eligible	Point	NA	Not Eligible
837	90682	1002		N/A			Industry	Franklin	Shaw Hill Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence; recommended NRHP not eligible	Pending	No Further Survey	4953279.444	418160.4373	Not Eligible	Point	NA	Not Eligible
838	90690	1003		N/A			Industry	Franklin	Shaw Hill Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture, settlement/development; C: Architecture	Retains most aspects of integrity	c. 1890-1900 barn, part of connected farmhouse; potentially eligible at local level. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4953627.297	418498.8519	Not Determined	Point	NA	Not Determined - Further Study
839	90684	1004		N/A			Industry	Franklin	Shaw Hill Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture, settlement/development; C: Architecture	Retains most aspects of integrity	early 19th century Federal style influenced Cape; potentially eligible at local level. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4953642.027	418520.1281	Not Determined	Point	NA	Not Determined - Further Study
842	90707	1005		N/A			Industry	Franklin	Shaw Hill Rd	Not Eligible	No	Not Eligible	N/A: This resource retains modest integrity; lacks architectural and historical significance	This resource retains modest integrity	late 19th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4954009.177	418435.569	Not Eligible	Point	NA	Not Eligible
849	90728	1006		N/A			Starks	Somerset	Emery Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance	Retains most aspects of integrity	late 19th century Cape style residence; recommended NRHP not eligible	Indirect	No Further Survey	4954871.49	421393.3872	Not Eligible	Point	NA	Not Eligible
291	90736	1007		N/A			Starks	Somerset	Remick Rd	Not Eligible	No	Not Eligible	N/A: Not of significant design; and low likelihood for historical significance.	Retains all aspects of integrity	private cemetery with 3-5 burials, c. 1839; recommended NRHP not eligible	Indirect	No Further Survey	4957957.086	423940.0589	Not Eligible	Point	NA	Not Eligible

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292	90756	1008		N/A		Shady Maple Deer Farm	Starks	Somerset	892 Mayhew Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture, commerce; C: Architecture/design	Retains most aspects of integrity	Shady Maple Deer Farm, early to mid 20th century residence on 133 acres. Potentially eligible for associations with agricultural development, commerce and, design and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4958997.911	426368.7006	Not Determined	Point	NA	Not Determined - Further Study
325	90760	1009		N/A			Starks	Somerset	892 Mayhew Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture, commerce; C: Architecture/design	Retains most aspects of integrity	Shady Maple Deer Farm, mid 20th century barn complex on 133 acres. Potentially eligible for associations with agricultural development, commerce and, design and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4958963.081	426310.858	Not Determined	Point	NA	Not Determined - Further Study
174	90802	1011		N/A			Anson	Somerset	W Mills Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance.	This resource retains modest integrity	early to mid 20th century residence; recommended NRHP not eligible	Indirect	No Further Survey	4960194.672	427489.8387	Not Eligible	Point	NA	Not Eligible
175	90753	1012		N/A			Anson	Somerset	W Mills Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century barn converted to garage; recommended NRHP not eligible	Indirect	No Further Survey	4960194.384	427524.7752	Not Eligible	Point	NA	Not Eligible
39	48207	1014		N/A		B.F. Hilton Farm (1883): Former Dairy Barn	Starks	Somerset	1195 Anson Road/RTE 43	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	Retains most aspects of integrity	Prior survey completed July 2011, not reviewed by MHPC. Circa 1930s gable-on-hip barn attached to arched roof barn. Whole farmstead potentially eligible for association with agricultural , important persons in the community and architecture. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4958612.503	428129.192	Not Determined	Point	NA	Not Determined - Further Study
38	48196	1015		N/A		B.F. Hilton Farm (1883): Milk House	Starks	Somerset	1195 Anson Road/RTE 43	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	Retains modest integrity (currently being resided?)	Prior survey completed July 2011, not reviewed by MHPC. Circa 1930s milk house. Whole farmstead potentially eligible for association with agricultural , important persons in the community and architecture. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4958581.942	428129.9326	Not Determined	Point	NA	Not Determined - Further Study
37	48195	1016		N/A		B.F. Hilton Farm (1883): Dairy Barn	Starks	Somerset	1195 Anson Road/RTE 43	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains modest integrity (front being resided?)	Prior survey completed July 2011, not reviewed by MHPC. Circa 1880s dairy barn. Whole farmstead potentially eligible for association with agricultural , important persons in the community and architecture. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4958579.145	428106.9153	Not Determined	Point	NA	Not Determined - Further Study
35	48191	1017		N/A		B.F. Hilton Farm (1883)	Starks	Somerset	1195 Anson Road/RTE 43	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains modest integrity	Prior survey completed July 2011, not reviewed by MHPC. c. 1860s vernacular connected farmhouse with c. 1900 Colonial Revival details. Whole farmstead potentially eligible for association with agricultural , important persons in the community and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4958612.854	428171.974	Not Determined	Point	NA	Not Determined - Further Study
36	48193	1018		N/A		B.F. Hilton Farm (1883): Barn	Starks	Somerset	1195 Anson Road/RTE 43	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	Retains most aspects of integrity	Prior survey completed July 2011, not reviewed by MHPC. Circa 1870s attached barn. Whole farmstead potentially eligible for association with agricultural , important persons in the community and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4958616.855	428201.4157	Not Determined	Point	NA	Not Determined - Further Study
40	48208	1019		N/A		B.F. Hilton Farm (1883): Sheep House	Starks	Somerset	1195 Anson Road/RTE 43	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	Retains most aspects of integrity	Prior survey completed July 2011, not reviewed by MHPC. Circa 1940s sheep shed. Whole farmstead potentially eligible for association with agricultural , important persons in the community and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4958636.426	428207.311	Not Determined	Point	NA	Not Determined - Further Study
34	48186	1020		N/A		B.F. Hilton Farm (1883)	Starks	Somerset	1195 Anson Road/RTE 43	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	Retains most aspects of integrity	Prior survey completed July 2011, not reviewed by MHPC. 1883 B.F. Hilton dairy farm. Whole farmstead potentially eligible for association with agricultural , important persons in the community and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4958591.699	428185.2876	Not Determined	Point	NA	Not Determined - Further Study
33	48183	1021		N/A		R. Hilton House (1883)	Starks	N/A	1222 Anson Road/RTE 43	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; and low likelihood for historical significance	This resource retains modest integrity	Prior survey completed July 2011, not reviewed by MHPC. Circa 1880s vernacular residence. Based on this reconnaissance survey, SEARCH finds that this resource is not eligible for NRHP. recommended NRHP not eligible	Indirect	No Further Survey	4958800.965	428070.8343	Not Eligible	Point	NA	Not Eligible
23	48171	1022		N/A		E. Gray Farm (1883)	Starks	Somerset	1294 Anson Road/RTE 43	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains modest integrity	Prior survey completed July 2011, not reviewed by MHPC. Circa 1883 vernacular residence. Whole farmstead potentially eligible for association with agricultural , important persons in the community and architecture. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4959319.706	427905.1261	Not Determined	Point	NA	Not Determined - Further Study
24	48174	1023		N/A		E. Gray Farm (1883): Dairy Barn	Starks	Somerset	1294 Anson Road/RTE 43	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains modest integrity	Prior survey completed July 2011, not reviewed by MHPC. Circa 1930s dairy barn. Whole farmstead potentially eligible for association with agricultural , important persons in the community and architecture. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4959294.92	427857.6037	Not Determined	Point	NA	Not Determined - Further Study

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25	48175	1023		N/A		E. Gray Farm (1883): Dairy Barn Milk House	Starks	Somerset	1294 Anson Road/RTE 43	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains modest integrity	Prior survey completed July 2011, not reviewed by MHPC. Circa 1930s dairy barn. Whole farmstead potentially eligible for association with agricultural , important persons in the community and architecture. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4959306.892	427871.3219	Not Determined	Point	NA	Not Determined - Further Study
27	48177	1024		N/A		E. Gray Farm (1883): Original House	Starks	Somerset	1294 Anson Road/RTE 43	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains modest integrity	Prior survey completed July 2011, not reviewed by MHPC. Circa 1930s milk house. Whole farmstead potentially eligible for association with agricultural , important persons in the community and architecture. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4959320.955	427866.4167	Not Determined	Point	NA	Not Determined - Further Study
28	48178	1025		N/A		E. Gray Farm (1883): Stable Barn	Starks	Somerset	1294 Anson Road/RTE 43	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains modest integrity	Prior survey completed July 2011, not reviewed by MHPC. Circa 1840s house converted to barn in late 1900s. Whole farmstead potentially eligible for association with agricultural , important persons in the community and architecture. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4959332.389	427855.6135	Not Determined	Point	NA	Not Determined - Further Study
26	48176	1026		N/A		E. Gray Farm (1883): Shed	Starks	Somerset	1294 Anson Road/RTE 43	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	Retains most aspects of integrity	Prior survey completed July 2011, not reviewed by MHPC. Circa 1900 mixed use barn. Whole farmstead potentially eligible for association with agricultural , important persons in the community and architecture. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4959334.05	427879.9822	Not Determined	Point	NA	Not Determined - Further Study
22	48169	1027		N/A		E. Gray Farm (1883)	Starks	Somerset	1294 Anson Road/RTE 43	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	Retains most aspects of integrity	Prior survey completed July 2011, not reviewed by MHPC. Circa 1930s shed. Whole farmstead potentially eligible for association with agricultural , important persons in the community and architecture. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4959346.011	427881.9465	Not Determined	Point	NA	Not Determined - Further Study
30	48180	1028		N/A		E. Gray Farm (1883): Milk House	Starks	Somerset	1294 Anson Road/RTE 43	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	Retains most aspects of integrity	Prior survey completed July 2011, not reviewed by MHPC. E. Gray Farmstead, in same family for several generations, became dairy farm in 1930. Farmstead potentially eligible for association with agricultural , important persons in the community and architecture. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4959355	427860.0949	Not Determined	Point	NA	Not Determined - Further Study
29	48179	1030		N/A		E. Gray Farm (1883): Barn	Starks	Somerset	1294 Anson Road/RTE 43	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	Retains most aspects of integrity	Prior survey completed July 2011, not reviewed by MHPC. Circa 1900 mixed use barn. Whole farmstead potentially eligible for association with agricultural , important persons in the community and architecture. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4959358.885	427848.493	Not Determined	Point	NA	Not Determined - Further Study
31	48181	1031		N/A		E. Gray Farm (1883): Chicken Coop	Starks	Somerset	1294 Anson Road/RTE 43	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains modest integrity	Prior survey completed July 2011, not reviewed by MHPC. Circa 1900 shed. Whole farmstead potentially eligible for association with agricultural , important persons in the community and architecture. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4959382.749	427838.4524	Not Determined	Point	NA	Not Determined - Further Study
32	48182	1032		N/A		E. Gray Farm (1883): Hay Barn	Starks	Somerset	1294 Anson Road/RTE 43	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains modest integrity	Prior survey completed July 2011, not reviewed by MHPC. Small c. 1930s hay barn. Whole farmstead potentially eligible for association with agricultural , important persons in the community and architecture. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4959373.448	427819.6076	Not Determined	Point	NA	Not Determined - Further Study
293	90841	1033		N/A		E. Gray Farm (1883): Garage	Starks	Somerset	1294 Anson Road/RTE 43	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	Retains most aspects of integrity	Small garage c. 1930s, part of E. Gray Farm complex. Whole farmstead potentially eligible for association with agricultural , important persons in the community and architecture. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4959341.446	427953.304	Not Determined	Point	NA	Not Determined - Further Study
21	48168	1034		N/A		Athearn Cemetery	Anson	Somerset	West side of Starks Road, at Anson/Starks Town Line	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	Retains most aspects of integrity	Prior survey completed July 2011, not reviewed by MHPC. Established in the mid 19th century; enclosed with a decorative chain/wire fence with entry arch. May be historically significant for its association with the early settlement of Anson. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4959526.946	427851.3564	Not Determined	Point	NA	Not Determined - Further Study
20	48167	1035		N/A		Mrs. Athearn House (1883)	Anson	Somerset	West side of Stark Road, 500 feet north of Anson/Starks Town Line	Preliminarily Eligible	No	Not Eligible	A. Settlement; C: Architecture	Original house retains most aspects of integrity; later modified additions/rear ell	Prior survey completed July 2011, not reviewed by MHPC. Circa 1860s Greek Revival influenced hall and parlor residence. Based on this reconnaissance survey, SEARCH recommends Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4959677.079	427765.5185	Not Determined	Point	NA	Not Determined - Further Study
473	90848	1036		N/A			Anson	Somerset	202 Main St	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	late 19th century vernacular; recommended NRHP not eligible	Indirect	No Further Survey	4960436.755	428590.574	Not Eligible	Point	NA	Not Eligible

Table 1

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474	90843	1037		N/A			Anson	Somerset	178 Main St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century Ranch; recommended NRHP not eligible	Indirect	No Further Survey	4960533.828	428765.6159	Not Eligible	Point	NA	Not Eligible
475	90855	1038		N/A			Anson	Somerset	168 Main St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960555.515	428824.4795	Not Eligible	Point	NA	Not Eligible
476	90858	1039		N/A			Anson	Somerset	4 Buswell St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century Cape; recommended NRHP not eligible	Indirect	No Further Survey	4960618.78	428823.9632	Not Eligible	Point	NA	Not Eligible
477	90864	1040		N/A			Anson	Somerset	4 Buswell St	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	early 20th century garage; recommended NRHP not eligible	Indirect	No Further Survey	4960645.875	428821.3814	Not Eligible	Point	NA	Not Eligible
478	90861	1041		N/A			Anson	Somerset	20 Buswell St	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	Mid 20th century Minimal traditional residence; recommended NRHP not eligible	Indirect	No Further Survey	4960734.687	428782.3972	Not Eligible	Point	NA	Not Eligible
294	90869	1043		N/A			Anson	Somerset	Buswell St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century garage; recommended NRHP not eligible	Indirect	No Further Survey	4960775.997	428773.787	Not Eligible	Point	NA	Not Eligible
479	90873	1044		N/A			Anson	Somerset	Buswell St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century vernacular residence; recommended NRHP not eligible	Pending	No Further Survey	4960800.521	428774.6016	Not Eligible	Point	NA	Not Eligible
480	90877	1045		N/A			Anson	Somerset	Buswell St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early to mid-20th century storage shed; recommended NRHP not eligible	Indirect	No Further Survey	4960827.499	428810.7485	Not Eligible	Point	NA	Not Eligible
482	90880	1046		N/A			Anson	Somerset	Pine St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960723.844	428935.65	Not Eligible	Point	NA	Not Eligible
295	90885	1047		N/A			Anson	Somerset	Pine St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960790.583	428968.0902	Not Eligible	Point	NA	Not Eligible
484	90887	1048		N/A			Anson	Somerset	11 Ingalls St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960755.857	429033.6002	Not Eligible	Point	NA	Not Eligible
485	90890	1049		N/A			Anson	Somerset	12 Ingalls St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960722.131	428996.4232	Not Eligible	Point	NA	Not Eligible
486	90895	1050		N/A			Anson	Somerset	Ingalls St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960702.762	429002.1914	Not Eligible	Point	NA	Not Eligible
296	90894	1051		N/A			Anson	Somerset	5 Pine St	Not Eligible	No	Not Eligible	N/A: This resource retains modest integrity; lacks architectural and historical significance	This resource retains modest integrity	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960821.348	429111.3406	Not Eligible	Point	NA	Not Eligible
488	90900	1052		N/A			Anson	Somerset	3 Pine St	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960824.037	429135.4717	Not Eligible	Point	NA	Not Eligible
489	90905	1053		N/A			Anson	Somerset	11 Fredrick St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960790.453	429184.4845	Not Eligible	Point	NA	Not Eligible
491	90902	1054		N/A			Anson	Somerset	10 Fredrick St	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	mid 19th century Gothic Revival residence; recommended NRHP not eligible	Indirect	No Further Survey	4960769.282	429143.5474	Not Eligible	Point	NA	Not Eligible
297	90903	1055		N/A			Anson	Somerset	160 Main St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960575.834	428875.2633	Not Eligible	Point	NA	Not Eligible
326	90917	1056		N/A			Anson	Somerset	155 Main St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960630.908	428903.78	Not Eligible	Point	NA	Not Eligible
492	90915	1057		N/A			Anson	Somerset	155 Main St	Not Eligible	No	Not Eligible	N/A: This resource retains modest integrity; lacks architectural and historical significance	This resource retains modest integrity	early 19th century barn converted to garage; recommended NRHP not eligible	Indirect	No Further Survey	4960638.13	428905.0297	Not Eligible	Point	NA	Not Eligible
493	90911	1058		N/A			Anson	Somerset	11 Beane St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century minimal influenced residence; recommended NRHP not eligible	Indirect	No Further Survey	4960546.737	428979.6007	Not Eligible	Point	NA	Not Eligible
494	90925	1059		N/A			Anson	Somerset	4 Beane St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early to mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960619.902	429002.8356	Not Eligible	Point	NA	Not Eligible
496	90930	1060		N/A			Anson	Somerset	149 Main St	Not Eligible	No	Not Eligible	A: Community development; B: Person; C: design/architecture	This resource retains modest integrity	Spencer's Service Station, according to local resident this is the oldest and was longest operating service station in the state. Gas pumps no longer extant. Recommended NRHP preliminarily eligible.	Indirect	No Further Survey	4960653.617	428971.532	Not Eligible	Point	NA	Not Eligible
495	90933	1061		N/A			Anson	Somerset	143 Main St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid to late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960662.915	428986.6706	Not Eligible	Point	NA	Not Eligible
497	90939	1062		N/A			Anson	Somerset	corner of Ingalls St and Main St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960670.66	429009.3319	Not Eligible	Point	NA	Not Eligible
498	90944	1063		N/A			Anson	Somerset	140 Main St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960630.578	429024.2464	Not Eligible	Point	NA	Not Eligible
499	90950	1064		N/A			Anson	Somerset	138 Main St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960635.807	429048.058	Not Eligible	Point	NA	Not Eligible

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500	90955	1065		N/A			Anson	Somerset	133 Main St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960693.379	429064.6797	Not Eligible	Point	NA	Not Eligible
501	90969	1066		N/A			Anson	Somerset	134 Main St	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960647.424	429073.8753	Not Eligible	Point	NA	Not Eligible
502	90980	1067		N/A			Anson	Somerset	132 Main St	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960648.614	429094.7583	Not Eligible	Point	NA	Not Eligible
503	90977	1068		N/A			Anson	Somerset	128 Main St	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960654.445	429117.4	Not Eligible	Point	NA	Not Eligible
451	90986	1069		N/A			Anson	Somerset	128 Main St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4960637.143	429127.0089	Not Eligible	Point	NA	Not Eligible
452	90988	1070		N/A			Anson	Somerset	126 Main St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960662.104	429141.775	Not Eligible	Point	NA	Not Eligible
453	90991	1071		N/A			Anson	Somerset	122 Main St	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	late 19th century Italianate influenced residence; recommended NRHP not eligible	Indirect	No Further Survey	4960667.118	429173.7475	Not Eligible	Point	NA	Not Eligible
454	90995	1072		N/A			Anson	Somerset	120 Main St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960671.253	429193.104	Not Eligible	Point	NA	Not Eligible
455	90998	1073		N/A			Anson	Somerset	121 Main St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 19th century Cape; recommended NRHP not eligible	Indirect	No Further Survey	4960721.008	429149.15	Not Eligible	Point	NA	Not Eligible
456	91000	1074		N/A			Anson	Somerset	117 Main St	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	mid 19th century Greek and Gothic Revival residence; recommended NRHP not eligible	Indirect	No Further Survey	4960730.04	429197.7987	Not Eligible	Point	NA	Not Eligible
457	91001	1075		N/A		Hall's Market Groceries	Anson	Somerset	114 Main St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960697.735	429233.2032	Not Eligible	Point	NA	Not Eligible
458	91019	1076		N/A			Anson	Somerset	112 Main St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960694.438	429242.1754	Not Eligible	Point	NA	Not Eligible
459	91029	1077		N/A			Anson	Somerset	111 Main St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960743.496	429234.4023	Not Eligible	Point	NA	Not Eligible
460	91040	1078		N/A			Anson	Somerset	105 Main St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960761.87	429278.3666	Not Eligible	Point	NA	Not Eligible
298	91045	1079		N/A			Anson	Somerset	3rd St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4960925.121	429285.5704	Not Eligible	Point	NA	Not Eligible
461	91025	1080		N/A			Anson	Somerset	3rd St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	Early 20th century Craftsman influenced residence; recommended NRHP not eligible	Indirect	No Further Survey	4960961.9	429315.526	Not Eligible	Point	NA	Not Eligible
462	91049	1081		N/A			Anson	Somerset	11 3rd St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century Greek Revival residence; recommended NRHP not eligible	Indirect	No Further Survey	4960976.338	429270.6037	Not Eligible	Point	NA	Not Eligible
463	91051	1082		N/A			Anson	Somerset	10 3rd St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century residence; recommended NRHP not eligible	Indirect	No Further Survey	4960991.491	429312.1919	Not Eligible	Point	NA	Not Eligible
464	91052	1083		N/A			Anson	Somerset	10 3rd St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century garage; recommended NRHP not eligible	Indirect	No Further Survey	4960982.654	429312.7626	Not Eligible	Point	NA	Not Eligible
465	91057	1084		N/A			Anson	Somerset	3 3rd St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961027.234	429259.344	Not Eligible	Point	NA	Not Eligible
466	91061	1085		N/A			Anson	Somerset	3 3rd St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century storage shed; recommended NRHP not eligible	Indirect	No Further Survey	4961028.229	429250.5383	Not Eligible	Point	NA	Not Eligible
467	91063	1086		N/A			Anson	Somerset	31 Oak St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961073.669	429250.5953	Not Eligible	Point	NA	Not Eligible
468	91059	1087		N/A			Anson	Somerset	31 Oak St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4961074.986	429222.3119	Not Eligible	Point	NA	Not Eligible
290	92415	1088		N/A			Anson	Somerset	Oak St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century Italianate influenced residence; recommended NRHP not eligible	Indirect	No Further Survey	4961070.145	429294.8767	Not Eligible	Point	NA	Not Eligible
299	91055	1089		N/A			Anson	Somerset	Oak St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century garage; recommended NRHP not eligible	Indirect	No Further Survey	4961076.976	429281.8984	Not Eligible	Point	NA	Not Eligible
469	91068	1090		N/A			Anson	Somerset	26 Oak St	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Less than 50 years old.	Following fieldwork, this building was confirmed to be less than 50 years old. Therefore it does not meet the age criteria for NRHP eligibility, and is therefore recommended NRHP not eligible or for NRHP eligibility.	Indirect	No Further Survey	4961036.336	429302.396	Not Eligible	Point	NA	Not Eligible
470	91071	1091		N/A			Anson	Somerset	Oak St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961040.876	429328.4231	Not Eligible	Point	NA	Not Eligible

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439	91075	1092		N/A			Anson	Somerset	3 2nd St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961041.467	429351.0183	Not Eligible	Point	NA	Not Eligible
440	91078	1093		N/A			Anson	Somerset	Oak St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century storage shed; recommended NRHP not eligible	Indirect	No Further Survey	4961024.709	429353.908	Not Eligible	Point	NA	Not Eligible
441	91079	1094		N/A			Anson	Somerset	3 2nd St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century garage; recommended NRHP not eligible	Indirect	No Further Survey	4961042.044	429369.3565	Not Eligible	Point	NA	Not Eligible
442	91082	1095		N/A			Anson	Somerset	17 Oak St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961089.934	429376.455	Not Eligible	Point	NA	Not Eligible
300	91091	1097		N/A			Anson	Somerset	Spear Hill Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961183.393	429387.8147	Not Eligible	Point	NA	Not Eligible
443	91095	1098		N/A			Anson	Somerset	47 Spear Hill Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961230.352	429401.1242	Not Eligible	Point	NA	Not Eligible
444	91096	1099		N/A			Anson	Somerset	47 Spear Hill Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4961224.528	429408.0334	Not Eligible	Point	NA	Not Eligible
301	90654	1101		N/A			Anson	Somerset	55 Spear Hill Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961267.348	429362.8359	Not Eligible	Point	NA	Not Eligible
267	90657	1102		N/A			Anson	Somerset	59 Randall St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961323.256	429357.5698	Not Eligible	Point	NA	Not Eligible
268	90667	1103		N/A			Anson	Somerset	Randall St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	Direct	No Further Survey	4961306.575	429253.182	Not Eligible	Point	NA	Not Eligible
269	90675	1104		N/A			Anson	Somerset	Randall St	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961298.009	429226.1501	Not Eligible	Point	NA	Not Eligible
270	90687	1105		N/A			Anson	Somerset	Randall St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961277.107	429146.2284	Not Eligible	Point	NA	Not Eligible
271	90688	1106		N/A			Anson	Somerset	3 Hilltop Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961314.89	429315.5765	Not Eligible	Point	NA	Not Eligible
272	90689	1107		N/A			Anson	Somerset	Hilltop Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	Direct	No Further Survey	4961346.33	429208.559	Not Eligible	Point	NA	Not Eligible
273	90681	1108		N/A			Anson	Somerset	Hilltop Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Less than 50 years old.	Following fieldwork, this building was confirmed to be less than 50 years old. Therefore it does not meet the age criteria for NRHP eligibility, and is therefore recommended NRHP not eligible or for NRHP eligibility.	Direct	No Further Survey	4961352.78	429117.6653	Not Eligible	Point	NA	Not Eligible
274	90694	1109		N/A			Anson	Somerset	Rolling Ridge Dr.	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4961530.648	429061.2164	Not Eligible	Point	NA	Not Eligible
275	90696	1110		N/A			Anson	Somerset	42 Hilltop Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century Queen Anne influenced; recommended NRHP not eligible	Indirect	No Further Survey	4961584.024	429163.9535	Not Eligible	Point	NA	Not Eligible
276	90697	1111		N/A			Anson	Somerset	Hilltop Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961586.184	429218.3961	Not Eligible	Point	NA	Not Eligible
277	90699	1112		N/A			Anson	Somerset	Hilltop Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century outbuilding; recommended NRHP not eligible	Indirect	No Further Survey	4961623.298	429155.5274	Not Eligible	Point	NA	Not Eligible
302	90700	1113		N/A			Anson	Somerset	61 Hilltop Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961700.901	429259.922	Not Eligible	Point	NA	Not Eligible
278	90662	1114		N/A			Anson	Somerset	76 Hilltop Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century bungalow; recommended NRHP not eligible	Direct	No Further Survey	4961807.708	429224.2949	Not Eligible	Point	NA	Not Eligible
279	90706	1115		N/A			Anson	Somerset	88 Hilltop Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961909.761	429256.6539	Not Eligible	Point	NA	Not Eligible
280	90710	1116		N/A			Anson	Somerset	76 Preble Ave	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	Early 20th century Craftsman influenced residence; recommended NRHP not eligible	Indirect	No Further Survey	4962011.93	429259.3936	Not Eligible	Point	NA	Not Eligible
281	90741	1117		N/A			Anson	Somerset	77 Preble Ave	Preliminarily Eligible	No	Not Eligible	A: Community development; C: Architecture	Retains most aspects of integrity	Potentially eligible as an intact example of a Queen Anne residence. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4962055.521	429290.2925	Not Determined	Point	NA	Not Determined - Further Study
282	90742	1118		N/A			Anson	Somerset	76 Preble Ave	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century garage; recommended NRHP not eligible	Indirect	No Further Survey	4961999.141	429254.4172	Not Eligible	Point	NA	Not Eligible
283	90744	1119		N/A			Anson	Somerset	Ward St	Preliminarily Eligible	No	Not Eligible	A: Agriculture, settlement/development; C: Architecture	This resource retains modest integrity	Late 19th century Colonial Revival influenced connected farmhouse. Potentially eligible as a rare example of farm house style. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4962069.421	429041.9115	Not Determined	Point	NA	Not Determined - Further Study

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284	90749	1120		N/A			Anson	Somerset	Ward St	Preliminarily Eligible	No	Not Eligible	A: Agriculture, settlement/development; C: Architecture	This resource retains modest integrity	early 19th century connected barn. Potentially eligible as a rare example of connected farm house style. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4962074.234	429006.3823	Not Determined	Point	NA	Not Determined - Further Study
303	90757	1121		N/A			Anson	Somerset	Preble Ave	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4962126.648	429217.4074	Not Eligible	Point	NA	Not Eligible
285	90759	1122		N/A			Anson	Somerset	Preble Ave	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4962186.461	429160.5789	Not Eligible	Point	NA	Not Eligible
286	90720	1123		N/A			Anson	Somerset	Preble Ave	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4962286.188	428983.8367	Not Eligible	Point	NA	Not Eligible
287	90765	1124		N/A			Anson	Somerset	130 Preble Ave	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4962300.72	428968.6275	Not Eligible	Point	NA	Not Eligible
288	90747	1125		N/A			Anson	Somerset	23 Horseback Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming development; B: Person; C: Architecture	Retains most aspects of integrity	mid 19th century Gothic Revival connected farmhouse; substantial size indicates successful/important farmer/resident. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4962502.062	428680.8728	Not Determined	Point	NA	Not Determined - Further Study
289	90770	1126		N/A			Anson	Somerset	23 Horseback Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming development; B: Person; C: Architecture	Retains most aspects of integrity	mid 19th century connected barn. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4962498.975	428656.163	Not Determined	Point	NA	Not Determined - Further Study
169	90771	1127		N/A			Anson	Somerset	23 Horseback Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming development; B: Person; C: Architecture	This resource retains modest integrity	Early 20th century barn, part of farmstead showing development over time. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4962530.371	428672.0927	Not Determined	Point	NA	Not Determined - Further Study
170	90773	1128		N/A			Anson	Somerset	32 Horseback Rd	Not Eligible	No	Not Eligible	N/A: This resource retains modest integrity; lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Direct	No Further Survey	4962419.708	428611.725	Not Eligible	Point	NA	Not Eligible
171	90776	1129		N/A			Anson	Somerset	74 Horseback Rd	Not Eligible	No	Not Eligible	N/A: This resource retains modest integrity; lacks architectural and historical significance	This resource retains modest integrity	small early 20th century shed; recommended NRHP not eligible	Indirect	No Further Survey	4962570.942	428263.8979	Not Eligible	Point	NA	Not Eligible
304	90778	1130		N/A			Anson	Somerset	24 Preble Ave	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961719.971	429541.8395	Not Eligible	Point	NA	Not Eligible
172	90781	1131		N/A			Anson	Somerset	Preble Ave	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961754.72	429515.08	Not Eligible	Point	NA	Not Eligible
305	90782	1132		N/A			Anson	Somerset	31 Preble Ave	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961790.937	429555.5663	Not Eligible	Point	NA	Not Eligible
306	90785	1133		N/A			Anson	Somerset	33 Preble Ave	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century garage; recommended NRHP not eligible	Indirect	No Further Survey	4961810.239	429541.1698	Not Eligible	Point	NA	Not Eligible
378	92436	1134		N/A			Anson	Somerset	Preble Avenue	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961791.143	429489.2654	Not Eligible	Point	NA	Not Eligible
173	90794	1135		N/A			Anson	Somerset	42 Preble Ave	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century foursquare; recommended NRHP not eligible	Indirect	No Further Survey	4961822.831	429430.963	Not Eligible	Point	NA	Not Eligible
307	90780	1136		N/A			Anson	Somerset	49 Preble Ave	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961897.433	429448.0081	Not Eligible	Point	NA	Not Eligible
308	90800	1137		N/A			Anson	Somerset	54 Preble Ave	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century Gothic Revival with 20th century addition; recommended NRHP not eligible	Indirect	No Further Survey	4961887.095	429383.8159	Not Eligible	Point	NA	Not Eligible
176	90807	1138		N/A			Anson	Somerset	57 Preble Ave	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961945.773	429410.5617	Not Eligible	Point	NA	Not Eligible
177	90809	1139		N/A			Anson	Somerset	61 Preble Ave	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961964.706	429390.8883	Not Eligible	Point	NA	Not Eligible
481	90876	1140		N/A			Anson	Somerset	River Rd	Not Eligible		Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4961997.573	429499.6618	Not Eligible	Point	Arnold Trail to Quebec Historic District	Not Eligible
309	90881	1141		N/A			Anson	Somerset	158 River Rd	Not Eligible		Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4962392.001	429375.1697	Not Eligible	Point	Arnold Trail to Quebec Historic District	Not Eligible
483	90883	1142		N/A			Anson	Somerset	River Rd	Not Eligible		Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4962473.382	429383.9994	Not Eligible	Point	Arnold Trail to Quebec Historic District	Not Eligible
487	90886	1143		N/A			Anson	Somerset	River Rd	Not Eligible		Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4962850.615	429632.2386	Not Eligible	Point	Arnold Trail to Quebec Historic District	Not Eligible
490	90901	1144		N/A			Anson	Somerset	256 River Rd	Not Eligible		Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4962950.892	429841.6598	Not Eligible	Point	Arnold Trail to Quebec Historic District	Not Eligible

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310	90907	1145		N/A			Anson	Somerset	256 River Rd	Not Eligible		Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4962969.48	429856.6581	Not Eligible	Point	Arnold Trail to Quebec Historic District	Not Eligible
445	91149	1146		N/A			Anson	Somerset	Campground Rd	Preliminarily Eligible	No	Not Eligible	A: Transportation	This resource retains modest integrity	The railroad is recommended NRHP preliminarily eligible.	Pending	Intensive Survey	4962870.076	429383.6656	Not Determined	Point	NA	Not Determined - Further Study
311	91152	1147		N/A			Anson	Somerset	River Rd	Not Eligible	No	Not Eligible	A: Settlement, Community development; C: Architecture	This resource retains minimal integrity; large addition significantly detracts from feeling and ass*	mid 19th century Gothic Revival/Cape; recommended NRHP not eligible	Indirect	No Further Survey	4965258.695	430384.5202	Not Eligible	Point	NA	Not Eligible
447	91165	1149		N/A			Anson	Somerset	726 River Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	Mid 20th century Minimal traditional residence; recommended NRHP not eligible	Indirect	No Further Survey	4965848.72	430083.1953	Not Eligible	Point	NA	Not Eligible
446	91167	1150		N/A			Anson	Somerset	732 River Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4965884.206	430057.5862	Not Eligible	Point	NA	Not Eligible
448	91170	1151		N/A			Anson	Somerset	730 River Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4965953.341	430014.3606	Not Eligible	Point	NA	Not Eligible
449	91176	1152		N/A			Anson	Somerset	749 River Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	mid 20th century Ranch;	Indirect	No Further Survey	4966039.889	430033.4153	Not Eligible	Point	NA	Not Eligible
450	91178	1153		N/A			Anson	Somerset	749 River Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	mid 20th century single car garage; recommended NRHP not eligible	Indirect	No Further Survey	4966018.79	430036.9261	Not Eligible	Point	NA	Not Eligible
379	91180	1154		N/A			Anson	Somerset	River Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4966099.959	429909.1145	Not Eligible	Point	NA	Not Eligible
312	91183	1155		N/A			Anson	Somerset	847 River Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century Cape; recommended NRHP not eligible	Direct	No Further Survey	4966673.206	429534.6252	Not Eligible	Point	NA	Not Eligible
380	91160	1156		N/A			Anson	Somerset	847 River Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	mid 20th century barn; recommended NRHP not eligible	Direct	No Further Survey	4966681.761	429561.3215	Not Eligible	Point	NA	Not Eligible
381	91161	1157		N/A			Anson	Somerset	884 River Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4966842.284	429357.1653	Not Eligible	Point	NA	Not Eligible
382	91186	1158		N/A			Anson	Somerset	900 River Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid to late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4966938.123	429304.9535	Not Eligible	Point	NA	Not Eligible
383	91163	1159		N/A			Anson	Somerset	905 River Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming development; B: Person; C: Architecture	Retains most aspects of integrity	Earlier Cape modified with classical elements mid 19th century still on large parcel with access to Carrabassett River. Has the feeling of a gentleman farmer estate. Potentially eligible for associations with farming, possibly important person, and transitional architectural style. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4967018.144	429318.2695	Not Determined	Point	NA	Not Determined - Further Study
384	91185	1160		N/A			Anson	Somerset	905 River Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming development; B: Person; C: Architecture	This resource retains modest integrity	Small late 19th century building still on large parcel with access to Carrabassett River. Has the feeling of a gentleman farmer estate. Potentially eligible for associations with farming, possibly important person, and transitional architectural style. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4966999.946	429380.1215	Not Determined	Point	NA	Not Determined - Further Study
385	91189	1161		N/A			Anson	Somerset	Corner of Union St and River Rd	Preliminarily Eligible	No	Not Eligible	A: Community development; B: Person; C: Architecture	Retains all aspects of integrity	Large Colonial Revival style residence. Potentially eligible as a well preserved example of the style, possible associations with community development and important person. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4966990.462	429262.5232	Not Determined	Point	NA	Not Determined - Further Study
386	91192	1162		N/A			Anson	Somerset	11 Union St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4966965.306	429228.8433	Not Eligible	Point	NA	Not Eligible
387	91195	1163		N/A			Anson	Somerset	18 Union St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4966892.019	429205.6698	Not Eligible	Point	NA	Not Eligible
388	91198	1164		N/A			Anson	Somerset	23 Union St	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	late 19th century Italianate connected farmhouse; recommended NRHP not eligible	Indirect	No Further Survey	4966949.584	429166.0461	Not Eligible	Point	NA	Not Eligible
389	91199	1165		N/A			Anson	Somerset	23 Union St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th and early 20th century connected barn modified as living space and garage; recommended NRHP not eligible	Indirect	No Further Survey	4966958.042	429184.1887	Not Eligible	Point	NA	Not Eligible
393	91191	1166		N/A			Anson	Somerset	18 Union St	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	mid 19th century Greek Revival influenced side hall house, connected farmhouse; recommended NRHP not eligible	Indirect	No Further Survey	4966909.784	429204.4575	Not Eligible	Point	NA	Not Eligible
390	91196	1167		N/A			Anson	Somerset	22 Union St	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4966902.443	429171.8655	Not Eligible	Point	NA	Not Eligible
391	91202	1168		N/A			Anson	Somerset	22 Union St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century barn converted to garage; recommended NRHP not eligible	Indirect	No Further Survey	4966872.77	429182.2526	Not Eligible	Point	NA	Not Eligible

Table 1

OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
394	91203	1169		N/A			Anson	Somerset	26 Union St	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming development; C: Architecture	Although in need of maintenance, retains all aspects of integrity	Late 19th century Second Empire connected farmhouse with decorative bargeboard. Potentially eligible as a rare and unique example of the style in the area, especially for a connected farmhouse. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4966893.472	429132.5202	Not Determined	Point	NA	Not Determined - Further Study
392	91197	1170		N/A			Anson	Somerset	26 Union St	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming development; C: Architecture	Although in need of maintenance, retains all aspects of integrity	Late 19th century connected barn, largely intact. Potentially eligible as part of rare and unique example of a Second Empire style connected farmhouse. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4966876.465	429136.0073	Not Determined	Point	NA	Not Determined - Further Study
395	91204	1171		N/A			Anson	Somerset	32 Union St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4966886.411	429101.2185	Not Eligible	Point	NA	Not Eligible
396	91205	1172		N/A			Anson	Somerset	31 Union St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4966931.535	429094.7788	Not Eligible	Point	NA	Not Eligible
397	91206	1173		N/A			Anson	Somerset	Union St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4966877.461	429066.473	Not Eligible	Point	NA	Not Eligible
313	91208	1174		N/A			Anson	Somerset	N. Main St over Carrabasset River	Preliminarily Eligible	No	Not Eligible	A: Transportation	Retains all aspects of integrity	The bridge is recommended NRHP preliminarily eligible.	Pending	Intensive Survey	4967121.405	429193.4072	Not Determined	Point	NA	Not Determined - Further Study
398	91209	1175		N/A			Anson	Somerset	4 Court St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967224.603	429184.8232	Not Eligible	Point	NA	Not Eligible
399	91179	1176		N/A			Anson	Somerset	N. Main St	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967175.49	429175.9781	Not Eligible	Point	NA	Not Eligible
400	91212	1177		N/A			Anson	Somerset	17 N. Main St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century brick commercial block, faced with board and battens; recommended NRHP not eligible	Indirect	No Further Survey	4967228.951	429148.505	Not Eligible	Point	NA	Not Eligible
401	91215	1179		N/A			Anson	Somerset	9 Center St	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	Early 20th century Craftsman residence; recommended NRHP not eligible	Indirect	No Further Survey	4967258.753	429179.7622	Not Eligible	Point	NA	Not Eligible
402	91200	1180		N/A			Anson	Somerset	Center St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967263.198	429219.8989	Not Eligible	Point	NA	Not Eligible
403	91217	1181		N/A			Anson	Somerset	10 Center St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular residence, connected farmhouse; recommended NRHP not eligible	Indirect	No Further Survey	4967297.415	429166.1647	Not Eligible	Point	NA	Not Eligible
404	91219	1182		N/A			Anson	Somerset	10 Center St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century connected barn; recommended NRHP not eligible	Indirect	No Further Survey	4967310.611	429172.5319	Not Eligible	Point	NA	Not Eligible
314	91220	1183		N/A			Anson	Somerset	12 Center St	Not Eligible		Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967306.758	429208.6418	Not Eligible	Point	Temples Historic District	Not Eligible
315	91223	1184		N/A			Anson	Somerset	13 Center St	Not Eligible		Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967318.942	429228.263	Not Eligible	Point	Temples Historic District	Not Eligible
405	91224	1185		N/A			Anson	Somerset	9 Center St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	Early 20th century one car garage; recommended NRHP not eligible	Indirect	No Further Survey	4967253.886	429210.0757	Not Eligible	Point	NA	Not Eligible
406	91226	1186		N/A			Anson	Somerset	17 Center St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular connected farmhouse; recommended NRHP not eligible	Indirect	No Further Survey	4967261.909	429238.1082	Not Eligible	Point	NA	Not Eligible
407	91227	1187		N/A			Anson	Somerset	21 Center St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967277.3	429269.2734	Not Eligible	Point	NA	Not Eligible
408	91229	1188		N/A			Anson	Somerset	1 Winter St	Not Eligible		Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular residence with Italianate details; recommended NRHP not eligible	Indirect	No Further Survey	4967300.133	429291.7307	Not Eligible	Point	Temples Historic District	Not Eligible
409	91232	1189		N/A			Anson	Somerset	4 Winter St	Not Eligible		Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular connected farmhouse; recommended NRHP not eligible	Indirect	No Further Survey	4967315.466	429250.5927	Not Eligible	Point	Temples Historic District	Not Eligible
410	91233	1190		N/A			Anson	Somerset	4 Winter St	Not Eligible		Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century barn converted to garage; recommended NRHP not eligible	Indirect	No Further Survey	4967325.96	429248.1561	Not Eligible	Point	Temples Historic District	Not Eligible
411	91235	1191		N/A			Anson	Somerset	17 Center St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular connected barn; recommended NRHP not eligible	Indirect	No Further Survey	4967254.598	429263.2239	Not Eligible	Point	NA	Not Eligible
614	57654	786		249-0029	1		Livermore Falls	Androscoggin	Fayette Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4924270.85	408033.3354	Not Eligible	Point	NA	Not Eligible
533	32361	707		249-0030	1		Livermore Falls	Kennebec	Strickland Loop Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4914525.43	408775.9526	Not Eligible	Point	NA	Not Eligible
558	32381	719		249-0031	1	Bowman Airfield	Livermore Falls	Androscoggin	River Road	Eligible	No	Not Eligible	A: Transportation	Retains most aspects of integrity	Bowman Airfield; MHPC previously determined this residence was NRHP eligible. Based on the reconnaissance level survey, SEARCH concurs with this recommendation.	Pending	Finding of Effects	4918362.791	408860.7493	Eligible	Point	NA	Listed/Eligible - Further Study
559	32421	779		249-0032	1	Pleasant Hill Cemetery	Livermore Falls	Kennebec	Twelve Corners Road and Pomeroy Hill Road	Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	Retains most aspects of integrity	This resource was previously determined eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	Finding of Effects	4924162.406	406863.4749	Eligible	Point	NA	Listed/Eligible - Further Study

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414	91244	1196		N/A			Anson	Somerset	Madison St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967422.513	429329.5566	Not Eligible	Point	NA	Not Eligible
415	91245	1197		N/A			Anson	Somerset	52 Madison St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967469.563	429403.1475	Not Eligible	Point	NA	Not Eligible
417	91249	1198		N/A			Anson	Somerset	64 Madison St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century attached barn; recommended NRHP not eligible	Indirect	No Further Survey	4967480.669	429574.786	Not Eligible	Point	NA	Not Eligible
416	91221	1199		N/A			Anson	Somerset	64 Madison St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967453.55	429581.9049	Not Eligible	Point	NA	Not Eligible
318	91021	1201		N/A			Anson	Somerset	Madison St	Not Eligible		Not Eligible	A: Agriculture/community development; C: Architecture	Retains all aspects of integrity (replacement windows)	early 19th century Federal Style with Italianate updates; connected farmhouse. Potentially eligible as intact example of how homes were updated with current architectural trends. Recommended NRHP preliminarily eligible.	Indirect	No Further Survey	4967405.213	429255.281	Not Eligible	Point	Temples Historic District	Not Eligible
319	90942	1202		N/A			Anson	Somerset	Madison St	Not Eligible	No	Not Eligible	A: Agriculture/community development; C: Architecture	Retains all aspects of integrity	early 19th to mid 19th century attached barn, part of connected farmhouse. Potentially eligible as contributing to connected farmhouse. Recommended NRHP preliminarily eligible.	Indirect	No Further Survey	4967420.965	429257.2303	Not Eligible	Point	NA	Not Eligible
552	31902	797		249-0033	1		Livermore Falls	Androscoggin	40 Turmel Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Direct	No Further Survey	4925963.045	406618.9687	Not Eligible	Point	NA	Not Eligible
555	31921	795		249-0033a	1		Livermore Falls	Androscoggin	40 Turmel Road	Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains most aspects of integrity	This resource was previously determined Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination and recommends this barn for further survey.	Direct	Finding of Effects	4925955.396	406642.8072	Eligible	Point	NA	Listed/Eligible - Further Study
532	31922	798		249-0033b	1		Livermore Falls	Androscoggin	40 Turmel Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Direct	No Further Survey	4925977.08	406635.5808	Not Eligible	Point	NA	Not Eligible
554	31901	796		249-0033hfs	1		Livermore Falls	Androscoggin	40 Turmel Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4925954.962	406623.8419	Not Eligible	Point	NA	Not Eligible
1232	73646	716		249-0044	1	New Norland Grange Hall #580	Livermore Falls	Androscoggin	River Road and Androscoggin Bluff Road	Eligible	No	Not Eligible	A: The Grange, Agriculture/farming	Retains most aspects of integrity	New Norland Grange Hall; MHPC previously determined this residence was NRHP eligible. Based on the reconnaissance level survey, SEARCH concurs with this recommendation.	Indirect	Finding of Effects	4918562.378	408724.6256	Eligible	Point	NA	Listed/Eligible - Further Study
1233	73659	715		249-0045	1	Maine Central Railroad—Rumford Branch at East Livermore	Livermore Falls	Androscoggin	River Road just west of Route 133 at MP 26.1	Eligible	No	Not Eligible	A: Transportation	Retains most aspects of integrity	Maine Central Railroad; MHPC previously determined this residence was NRHP eligible. Based on the reconnaissance level survey, SEARCH concurs with this recommendation.	Direct	Finding of Effects	4918717.248	408796.0275	Eligible	Point	NA	Listed/Eligible - Further Study
1234	73667	717		249-0046	1		Livermore Falls	Androscoggin	East side River Road and Androscoggin Bluff Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural significance	This resource lacks sufficient integrity for NRHP eligibility consideration	This resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4918575.512	408790.8733	Not Eligible	Point	NA	Not Eligible
4	20381	1286		293-0001	1	Wyman Hydro Project /Wyman Station, Wyman Hydroelectric Station, MHPC#293-0001	Moscow	Somerset	Station Road	Eligible	Arnold Trail to Quebec Historic District	Eligible	A: Community Planning/Development, C: Engineering, architecture	This resource retains all aspects of integrity	1928-1931 hydroelectric station. MHPC determined eligible in December 2010, and based on this reconnaissance survey, SEARCH concurs it is NRHP eligible.	Direct	Finding of Effects	4991126.408	428692.2923	Eligible	Point	Arnold Trail to Quebec Historic District	Listed/Eligible - Further Study
329	91066	1213		N/A			Anson	Somerset	Corner of Milk Street and Summer Street	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967539.776	429284.2328	Not Eligible	Point	NA	Not Eligible
330	91069	1214		N/A			Anson	Somerset	19 Summer St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967531.434	429325.2158	Not Eligible	Point	NA	Not Eligible
331	91056	1215		N/A			Anson	Somerset	23 Summer St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967553.53	429335.9217	Not Eligible	Point	NA	Not Eligible
364	91076	1216		N/A			Anson	Somerset	25 Summer St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967577.378	429344.2162	Not Eligible	Point	NA	Not Eligible
332	91084	1217		N/A			Anson	Somerset	Milk Street	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967505.152	429218.2563	Not Eligible	Point	NA	Not Eligible
333	91088	1218		N/A			Anson	Somerset	57 N. Main Street	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century residence, Colonial Revival influenced; recommended NRHP not eligible	Indirect	No Further Survey	4967513.689	429185.4566	Not Eligible	Point	NA	Not Eligible
334	91090	1220		N/A			Anson	Somerset	72 N. Main Street	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967614.863	429177.5729	Not Eligible	Point	NA	Not Eligible
335	91089	1221		N/A			Anson	Somerset	76 N. Main Street	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967665.788	429209.9759	Not Eligible	Point	NA	Not Eligible
336	91094	1222		N/A			Anson	Somerset	84 N. Main Street	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967705.195	429247.8586	Not Eligible	Point	NA	Not Eligible

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337	91099	1224		N/A			Anson	Somerset	N. Main Street	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century Cape style residence; recommended NRHP not eligible	Indirect	No Further Survey	4967702.445	429300.7022	Not Eligible	Point	NA	Not Eligible
338	91098	1225		N/A			Anson	Somerset	N. Main Street	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	older house on newer foundation(?); recommended NRHP not eligible	Indirect	No Further Survey	4967729.589	429271.9348	Not Eligible	Point	NA	Not Eligible
339	91086	1226		N/A			Anson	Somerset	104 N. Main Street	Not Eligible	No	Not Eligible	N/A: This resource retains modest integrity; lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967809.251	429350.1224	Not Eligible	Point	NA	Not Eligible
340	91106	1227		N/A			Anson	Somerset	N. Main Street	Not Eligible	No	Not Eligible	N/A: This resource retains modest integrity; lacks architectural and historical significance	This resource retains modest integrity	Mid 20th century Minimal traditional residence; recommended NRHP not eligible	Indirect	No Further Survey	4967855.166	429660.3741	Not Eligible	Point	NA	Not Eligible
342	91100	1228		N/A			Anson	Somerset	Fahi Pond Rd and N. Main St.	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th to early 20th century vernacular residence (moved?); recommended NRHP not eligible	Indirect	No Further Survey	4967861.556	429415.195	Not Eligible	Point	NA	Not Eligible
343	91109	1229		N/A			Anson	Somerset	Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967915.498	429410.1311	Not Eligible	Point	NA	Not Eligible
344	91103	1230		N/A			Anson	Somerset	Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century garage; recommended NRHP not eligible	Indirect	No Further Survey	4967945.939	429417.4452	Not Eligible	Point	NA	Not Eligible
347	91112	1231		N/A			Anson	Somerset	15 Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4967965.955	429409.1247	Not Eligible	Point	NA	Not Eligible
346	91114	1232		N/A		Sunset Cemetery	Anson	Somerset	Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: Not of significant design, and low likelihood for historical significance.	Retains all aspects of integrity	Sunset Cemetery, public cemetery of moderate size, primarily marble stones; recommended NRHP not eligible	Indirect	No Further Survey	4968124.839	429408.6694	Not Eligible	Point	NA	Not Eligible
345	91116	1233		N/A			Anson	Somerset	Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4968216.567	429316.1858	Not Eligible	Point	NA	Not Eligible
348	91117	1234		N/A			Anson	Somerset	56 Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular residence, connected farmhouse; recommended NRHP not eligible	Indirect	No Further Survey	4968257.818	429318.436	Not Eligible	Point	NA	Not Eligible
349	91104	1235		N/A			Anson	Somerset	56 Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century attached barn; recommended NRHP not eligible	Indirect	No Further Survey	4968248.601	429295.2756	Not Eligible	Point	NA	Not Eligible
350	91120	1236		N/A			Anson	Somerset	Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4968296.64	429297.7184	Not Eligible	Point	NA	Not Eligible
351	91121	1237		N/A			Anson	Somerset	77 Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century Gothic Revival influenced connected farmhouse; recommended NRHP not eligible	Direct	No Further Survey	4968410.607	429389.4642	Not Eligible	Point	NA	Not Eligible
352	91119	1238		N/A			Anson	Somerset	77 Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century attached barn; recommended NRHP not eligible	Direct	No Further Survey	4968409.257	429370.1908	Not Eligible	Point	NA	Not Eligible
353	91123	1239		N/A			Anson	Somerset	77 Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains all aspects of integrity	early 20th century barn; recommended NRHP not eligible	Direct	No Further Survey	4968430.776	429412.287	Not Eligible	Point	NA	Not Eligible
354	91125	1240		N/A			Anson	Somerset	Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4968454.261	429303.5846	Not Eligible	Point	NA	Not Eligible
355	91129	1241		N/A			Anson	Somerset	92 Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4968526.251	429290.5445	Not Eligible	Point	NA	Not Eligible
356	91131	1243		N/A			Anson	Somerset	133 Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4968853.264	429311.501	Not Eligible	Point	NA	Not Eligible
357	91132	1244		N/A			Anson	Somerset	Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century Cape style residence; recommended NRHP not eligible	Indirect	No Further Survey	4968888.542	429330.5314	Not Eligible	Point	NA	Not Eligible
358	91133	1245		N/A			Anson	Somerset	140 Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century and late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4968901.351	429251.7054	Not Eligible	Point	NA	Not Eligible
359	91136	1246		N/A			Anson	Somerset	165 Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century barn; recommended NRHP not eligible	Direct	No Further Survey	4969069.468	429313.2811	Not Eligible	Point	NA	Not Eligible
360	91137	1247		N/A			Anson	Somerset	168 Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4969109.262	429224.8975	Not Eligible	Point	NA	Not Eligible
361	91026	1248		N/A			Anson	Somerset	181 Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4969208.337	429275.6046	Not Eligible	Point	NA	Not Eligible
362	91138	1249		N/A			Abbot	Somerset	181 Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	This resource retains most aspects of integrity	early 20th century detached barn; recommended NRHP not eligible	Indirect	No Further Survey	4969229.729	429276.3816	Not Eligible	Point	NA	Not Eligible
363	91142	1250		N/A			Anson	Somerset	Fahi Pond Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	small late 19th century abandoned house; recommended NRHP not eligible	Indirect	No Further Survey	4969874.344	429213.2801	Not Eligible	Point	NA	Not Eligible

Table 1

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365	91144	1251		N/A			Embden	Somerset	327 Fahi Pond Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming development; C: Architecture	This resource retains most aspects of integrity	mid 19th century intact Cape style residence with intact barn and surrounding fields pastureland. Potentially eligible as a good example of an intact mid 19th century farmstead and association with agricultural development. Recommended NRHP preliminarily eligible.	Pending	Intensive Survey	4970335.552	429128.1103	Not Determined	Point	NA	Not Determined - Further Study
366	91145	1252		N/A			Embden	Somerset	327 Fahi Pond Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming development; C: Architecture	This resource retains most aspects of integrity	late 19th century intact mixed use barn (recently reshingled). Potentially eligible as a good example of an intact mid 19th century farmstead and association with agricultural development. Recommended NRHP preliminarily eligible.	Pending	Intensive Survey	4970361	429149.308	Not Determined	Point	NA	Not Determined - Further Study
367	91146	1253		N/A			Embden	Somerset	1234 Kennebec River Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	This resource retains most aspects of integrity	late 19th century barn; recommended NRHP not eligible	Pending	No Further Survey	4979434.356	430691.4171	Not Eligible	Point	NA	Not Eligible
368	91147	1254		N/A			Embden	Somerset	1234 Kennebec River Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century equipment shed in disrepair; recommended NRHP not eligible	Pending	No Further Survey	4979422.704	430758.5978	Not Eligible	Point	NA	Not Eligible
369	91143	1255		N/A			Embden	Somerset	1342 Kennebec River Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	This resource retains most aspects of integrity	mid 19th century Cape style residence; recommended NRHP not eligible	Pending	No Further Survey	4980215.171	430599.1231	Not Eligible	Point	NA	Not Eligible
370	91151	1256		N/A			Embden	Somerset	1342 Kennebec River Rd	Not Eligible	No	Not Eligible	N/A: This resource retains most aspects of integrity; lacks architectural and historical significance	This resource retains most aspects of integrity	early 20th century detached barn; recommended NRHP not eligible	Pending	No Further Survey	4980185.048	430576.4519	Not Eligible	Point	NA	Not Eligible
371	91154	1257		N/A			Embden	Somerset	1342 Kennebec River Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	This resource retains most aspects of integrity	mid 19th century attached barn; recommended NRHP not eligible	Pending	No Further Survey	4980209.379	430576.5307	Not Eligible	Point	NA	Not Eligible
372	91156	1258		N/A			Embden	Somerset	1404 Kennebec River Rd	Not Eligible		Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	This resource retains most aspects of integrity	mid 19th century Cape style residence; recommended NRHP not eligible	Pending	No Further Survey	4980671.539	430606.3204	Not Eligible	Point	Concord Haven Historic District	Not Eligible
8	50180	103		293-0036	1		Moscow	Somerset	74 Howard Road	Not Eligible	No	Not Eligible	N/A: Replacement windows, siding, and roofing affect its integrity. Lacks sufficient historical and architectural associations.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; this resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4991398.596	430441.2879	Not Eligible	Point	NA	Not Eligible
373	91159	1261		N/A			Embden	Somerset	Kennebec River Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	This resource retains most aspects of integrity	late 19th century detached barn; recommended NRHP not eligible	Indirect	No Further Survey	4982007.017	430671.2939	Not Eligible	Point	NA	Not Eligible
9	50181	104		293-0037	1		Moscow	Somerset	74 Howard Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity.	This resource lacks sufficient integrity for NRHP eligibility consideration	Barn/Garage; this resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4991408.836	430446.5185	Not Eligible	Point	NA	Not Eligible
10	50182	1295		293-0038	1		Moscow	Somerset	87 Canada Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity (barn replaced)	early 1900s century connected farmhouse. MHPC determined not eligible in April 2011 and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible	Indirect	No Further Survey	4991188.577	429810.9635	Not Eligible	Point	NA	Not Eligible
11	50183	1296		293-0039	1		Moscow	Somerset	90 Canada Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 1900s century connected farmhouse. MHPC determined not eligible in April 2011 and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible	Indirect	No Further Survey	4991139.855	429798.3403	Not Eligible	Point	NA	Not Eligible
12	50184	1292		293-0040	1		Moscow	Somerset	105 Canada Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	Mid 19th century Italianate connected farmhouse. MHPC determined not eligible in December 2010, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible	Indirect	No Further Survey	4991247.396	429709.0099	Not Eligible	Point	NA	Not Eligible
13	50185	1293		293-0040a	1		Moscow	Somerset	105 Canada Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains most aspects of integrity	Mid 19th century connected barn. MHPC determined not eligible in December 2010, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible	Indirect	No Further Survey	4991243.456	429715.6411	Not Eligible	Point	NA	Not Eligible
14	50186	1572		293-0041	1	Moscow Town Hall	Moscow	Somerset	110 Canada Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Demolished	MHPC previously determined this resource was Not Eligible. During the reconnaissance survey, SEARCH confirmed the resource has been demolished, and therefore recommends this resource remains Not Eligible.	Indirect	No Further Survey	4991278.016	429559.7086	Not Eligible	Point	NA	Not Eligible
15	50187	1290		293-0042	1		Moscow	Somerset	135 Canada Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	c. 1890s vernacular residence. MHPC determined not eligible in April 2011, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Indirect	No Further Survey	4991366.348	429493.0673	Not Eligible	Point	NA	Not Eligible
16	50188	1573		293-0043	1		Moscow	Somerset	Canada Road, W side, approx. .35 N of Station Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Demolished	MHPC previously determined this resource was Eligible. However, SEARCH confirmed the resource has been demolished, and therefore recommends this resource is Not Eligible.	Direct	No Further Survey	4991551.859	429152.3913	Not Eligible	Point	NA	Not Eligible
17	50203	1574		293-0044	1		Moscow	Somerset	Canada Road, W side, approx. .38 N of Station Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Demolished	MHPC previously determined this resource was Eligible. However, SEARCH confirmed the resource has been demolished, and therefore recommends this resource is Not Eligible.	Direct	No Further Survey	4991647.93	429124.5349	Not Eligible	Point	NA	Not Eligible

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18	50205	1575		293-0044a	1		Moscow	Somerset	Canada Road, W side, approx. .38 N of Station Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Demolished	MHPC previously determined this resource was Not Eligible. During the reconnaissance survey, SEARCH confirmed the resource has been demolished, and therefore recommends this resource remains Not Eligible.	Direct	No Further Survey	4991677.846	429097.7869	Not Eligible	Point	NA	Not Eligible
19	50206	1287		293-0045	1	Wyman Dam	Moscow	Somerset	Terminus of Station Road, at the base of Wyman Lake	Eligible	No	Eligible	A: Community Planning/Development, C: Engineering, architecture	This resource retains all aspects of integrity	c. 1930 earthen dam. MHPC determined eligible in April 2011, and based on this reconnaissance survey, SEARCH concurs it is NRHP eligible.	Direct	Finding of Effects	4991410.878	428862.7209	Eligible	Point	NA	Listed/Eligible - Further Study
7	29021	1288		293-0047	1	Arnold Trail to Quebec - Wyman Hydro Project /Wyman Dam; Bingham Dam	Moscow	Somerset	Station Road, Kennebec River at south end of Wyman Dam	Eligible	Arnold Trail to Quebec Historic District	Eligible	N/A: Arnold Trail to Quebec - Wyman Hydro Dam	This resource retains all aspects of integrity	1928-1931 hydroelectric station. MHPC determined eligible in December 2010, and based on this reconnaissance survey, SEARCH concurs it is NRHP eligible.	Direct	Finding of Effects	4991048.69	428778.6845	Eligible	Point	Arnold Trail to Quebec Historic District	Listed/Eligible - Further Study
1	20461	1297		293-0048	1		Moscow	Somerset	90 Canada Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 1900s century connected barn. MHPC determined not eligible in April 2011 and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible	Indirect	No Further Survey	4991138.697	429798.451	Not Eligible	Point	NA	Not Eligible
5	20481	1295		293-0049	1		Moscow	Somerset	87 Canada Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity (barn replaced)	early 1900s century connected farmhouse. MHPC determined not eligible in April 2011 and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible	Indirect	No Further Survey	4991167.264	429848.303	Not Eligible	Point	NA	Not Eligible
3	20501	107		293-0050	1	Union Cemetery /Robinson Memorial Cemetery (expanded section)	Moscow	Somerset	Cemetery Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity.	This resource lacks sufficient integrity for NRHP eligibility consideration	Union Cemetery; this resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4990862.84	430101.4144	Not Eligible	Point	NA	Not Eligible
2	20421	1292		293-0053	1		Moscow	Somerset	105 Canada Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	Mid 19th century Italianate connected farmhouse. MHPC determined not eligible in December 2010, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible	Indirect	No Further Survey	4991243.458	429710.1342	Not Eligible	Point	NA	Not Eligible
6	20442	1293		293-0053a	1		Moscow	Somerset	105 Canada Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains most aspects of integrity	Mid 19th century connected barn. MHPC determined not eligible in December 2010, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible	Indirect	No Further Survey	4991247.134	429724.8375	Not Eligible	Point	NA	Not Eligible
60	65362	94		293-0055	1	BRIDGE No. 5678	Moscow	Somerset	STREAM ROAD OVER AUSTIN STREAM	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and engineering significance	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; this resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4992057.752	430655.9644	Not Eligible	Point	NA	Not Eligible
59	65361	93		293-0056	1		Moscow	Somerset	3 BURNS ROAD	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; this resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4992240.786	430592.6556	Not Eligible	Point	NA	Not Eligible
58	65360	92		293-0057	1	BRIDGE No. 5531	Moscow	Somerset	STREAM ROAD OVER MINK BROOK, 70 FEET NORTH OF THE INTERSECTION WITH BURNS ROAD	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; this resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Pending	No Further Survey	4992334.782	430648.3287	Not Eligible	Point	NA	Not Eligible
57	65359	84		293-0058a	1		Moscow	Somerset	300 STREAM ROAD	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; this resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4992998.464	430949.3627	Not Eligible	Point	NA	Not Eligible
46	65352	79		293-0059	1		Moscow	Somerset	310 STREAM ROAD	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; this resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4993146.021	430991.3885	Not Eligible	Point	NA	Not Eligible
49	65354	78		293-0059a	1		Moscow	Somerset	310 STREAM ROAD	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; this resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4993151.696	430981.2284	Not Eligible	Point	NA	Not Eligible
48	65355	81		293-0059b	1		Moscow	Somerset	310 STREAM ROAD	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; this resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4993146.148	430938.3326	Not Eligible	Point	NA	Not Eligible
47	65357	81		293-0059c	1		Moscow	Somerset	310 STREAM ROAD	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; this resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4993141.172	430928.7477	Not Eligible	Point	NA	Not Eligible
50	65358	80		293-0059d	1		Moscow	Somerset	310 STREAM ROAD	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; this resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4993138.999	430956.7393	Not Eligible	Point	NA	Not Eligible
45	65351	77		293-0059hfs	1		Moscow	Somerset	310 STREAM ROAD	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; this resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4993182.36	430963.5916	Not Eligible	Point	NA	Not Eligible

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43	65348	75		293-0060	1		Moscow	Somerset	321 STREAM ROAD	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; this resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4993181.741	431049.905	Not Eligible	Point	NA	Not Eligible
44	65350	76		293-0060a	1		Moscow	Somerset	321 STREAM ROAD	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; this resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4993172.365	431052.2054	Not Eligible	Point	NA	Not Eligible
42	65347	77		293-0060hfs	1		Moscow	Somerset	321 STREAM ROAD	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; this resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4993148.98	431095.4242	Not Eligible	Point	NA	Not Eligible
41	65346	73		293-0061	1	BRIDGE No. 3920	Moscow	Somerset	Stream Road over Chase Stream north of Deaudoin Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; this resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4993594.215	431435.5095	Not Eligible	Point	NA	Not Eligible
56	66348	71		293-0062	1	OVER-THE-HORIZON BACKSCATTER RADAR TRANSMITTER SITE	Moscow	Somerset	NORTHERN TERMINUS OF STREAM ROAD	Eligible	No	Not Eligible	A:Military history; C: Engineering	Retains most aspects of integrity	Over the horizon backscatter radar transmission site. Part of Moscow air force station	Direct	Finding of Effects	4998650.254	434246.3236	Eligible	Point	NA	Listed/Eligible - Further Study
223	91271	1300		N/A			Bingham	Somerset	89 Main St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4988329.658	431354.3987	Not Eligible	Point	NA	Not Eligible
61	65366	97		293-0063	1		Moscow	Somerset	114 STREAM ROAD	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; this resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4991769.738	430747.5681	Not Eligible	Point	NA	Not Eligible
62	65367	96		293-0063A	1		Moscow	Somerset	114 STREAM ROAD	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations. Does not retain sufficient integrity.	This resource lacks sufficient integrity for NRHP eligibility consideration	Private residence; this resource was previously determined Not Eligible by MHPC. Based upon this reconnaissance level survey, SEARCH concurs with this determination.	Indirect	No Further Survey	4991778.851	430746.0842	Not Eligible	Point	NA	Not Eligible
1360	91537	1303		N/A		Bonnie Brook Farm 1850	Windsor	Kennebec	892 S. Belfast Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century Cape; recommended NRHP not eligible	Pending	No Further Survey	4906172.544	455544.6711	Not Eligible	Point	NA	Not Eligible
1361	91539	1304		N/A		Bridge	Windsor	Kennebec	S. Belfast Rd over Sheepscot River	Preliminarily Eligible	No	Not Eligible	A: Transportation	This resource retains modest integrity	The bridge is recommended NRHP preliminarily eligible.	Pending	Intensive Survey	4906122.768	455641.8624	Not Determined	Point	NA	Not Determined - Further Study
525	9321	253		358-0003	1	North Pownal School	Pownal	Cumberland	Lawrence Road at Poland Range road	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village	Lacks most aspects of integrity	North Pownal School; This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865506.32	404312.4919	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
529	9322	254		358-0004	1	Methodist Church	Pownal	Cumberland	Lawrence Road just north of intersection with Poland Range Rd	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village C: Architecture	Retains most aspects of integrity	Methodist Church; This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865531.849	404309.8577	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
521	9323	259		358-0005	1	N. Pownal Community Center	Pownal	Cumberland	E. side of Lawrence Rd, 215 feet south of Ficket Road	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village C: Architecture	Retains most aspects of integrity	Pownal Community Center; This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865560.892	404293.0394	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
520	9324	260		358-0006	1	Phelps House	Pownal	Cumberland	West side of Lawrence Road, 150 feet south of Fickett Road	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village C: Architecture	Retains most aspects of integrity	Phelps House; This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865581.582	404300.0282	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
507	10481	261		358-0006a	1	Phelps House	Pownal	Cumberland	West side of Lawrence Road, 150 feet south of Fickett Road	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village C: Architecture	Retains most aspects of integrity	Phelps Barn; This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865575.243	404330.6928	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
526	9325	262		358-0007	1	Shop/shed/garage	Pownal	Cumberland	South east corner of Lawrence and Ficket Roads	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village C: Architecture	Retains most aspects of integrity	Shop/store/garage; This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865604.065	404293.9456	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
523	9326	251	x	358-0008	1	Mike Stone House /Millie Stone House	Pownal	Cumberland	East side of Lawrence Road, .14 miles south of Ficket Road	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Replacement windows, siding, and roofing along with multiple alterations to the form affect its integrity.	This resource was previously surveyed, but a determination of eligibility was not made by MHPC. The resource is recommended Not Eligible by SEARCH due to a lack of significance and integrity.	Indirect	No Further Survey	4865392.942	404279.9499	Not Eligible	Point	NA	Not Eligible

Table 1

OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
528	9341	252	x	358-0008a	1	M. Stone House, Barn	Pownal	Cumberland	west side of Lawrence Road, .14 miles south of Ficket Road	Not Eligible	No	Not Eligible	N/A: Retains integrity, but Lacks sufficient historical and architectural associations	Retains most aspects of integrity	This resource was previously surveyed, but a determination of eligibility was not made by MHPC. The resource is recommended Not Eligible by SEARCH due to a lack of significance and integrity.	Indirect	No Further Survey	4865380.048	404262.1451	Not Eligible	Point	NA	Not Eligible
519	9342	255		358-0009	1	Dr. Greenfield Pote Thompson House	Pownal	Cumberland	East side of Lawrence Road, 340 feet south of Ficket Road	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village C: Architecture	Retains most aspects of integrity	Dr. Greenfield Pote Thompson House; This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865517.171	404265.0406	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
527	9344	257		358-0010	1		Pownal	Cumberland	East side of Lawrence Road, 230 feet south of Fickett Road	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village C: Architecture	Retains most aspects of integrity	This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865556.219	404266.3642	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
522	9345	256		358-0010a	1		Pownal	Cumberland	East side of Lawrence Road, 230 feet south of Fickett Road	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village C: Architecture	Retains most aspects of integrity	This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865545.547	404243.3635	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
524	9361	263		358-0011	1	Shop/Store	Pownal	Cumberland	southwest corner of Lawrence Road and Fickett Road	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village C: Architecture	Retains most aspects of integrity	Shop/store; This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865599.238	404260.5732	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
1442	91551	1314		N/A			Windsor	Kennebec	Coopers Mills Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century wagon shed; recommended NRHP not eligible	Pending	No Further Survey	4905264.261	456059.7172	Not Eligible	Point	NA	Not Eligible
1362	91553	1315		N/A			Windsor	Kennebec	128 Coopers Mills Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains many aspects of integrity	late 19th century Cape connected farmhouse; recommended NRHP not eligible	Pending	No Further Survey	4905221.584	456085.0949	Not Eligible	Point	NA	Not Eligible
1363	91554	1316		N/A			Windsor	Kennebec	128 Coopers Mills Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century connected barn; recommended NRHP not eligible	Pending	No Further Survey	4905214.38	456102.5686	Not Eligible	Point	NA	Not Eligible
1364	91545	1317		N/A			Windsor	Kennebec	128 Coopers Mills Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century connected barn; recommended NRHP not eligible	Pending	No Further Survey	4905204.588	456097.9311	Not Eligible	Point	NA	Not Eligible
1365	91556	1318		N/A			Windsor	Kennebec	197 Coopers Mills Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century connected farmhouse; recommended NRHP not eligible	Pending	No Further Survey	4904727.726	455971.8447	Not Eligible	Point	NA	Not Eligible
1366	91558	1319		N/A			Windsor	Kennebec	197 Coopers Mills Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century connected barn; recommended NRHP not eligible	Pending	No Further Survey	4904736.961	455981.9802	Not Eligible	Point	NA	Not Eligible
1367	91559	1320		N/A			Windsor	Kennebec	197 Coopers Mills Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century one car garage; recommended NRHP not eligible	Pending	No Further Survey	4904705.892	455977.7436	Not Eligible	Point	NA	Not Eligible
1368	91548	1321		N/A			Windsor	Kennebec	Erskine Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century connected farmhouse; recommended NRHP not eligible	Pending	No Further Survey	4904268.012	456086.8903	Not Eligible	Point	NA	Not Eligible
1369	91561	1322		N/A			Windsor	Kennebec	Erskine Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century barn; recommended NRHP not eligible	Pending	No Further Survey	4904241.495	456095.7108	Not Eligible	Point	NA	Not Eligible
1370	91564	1323		N/A			Windsor	Kennebec	Erskine Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Pending	No Further Survey	4904191.672	456153.7186	Not Eligible	Point	NA	Not Eligible
508	10501	275		358-0012	1		Pownal	Cumberland	South side of Ficket Rd, .2 miles west of intersection with Val Hall Rd	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village C: Architecture	Retains most aspects of integrity	This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865485.756	404027.9014	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
509	10502	274		358-0012a	1		Pownal	Cumberland	South side of Fickett Road, .2 miles west of intersection with Val Hall Rd.	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village C: Architecture	Retains most aspects of integrity	This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865482.524	404006.4711	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
510	10503	272		358-0013	1		Pownal	Cumberland	N. side of Fickett Road, .2 miles west of intersection with Val Hall Road	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village	Lacks most aspects of integrity	This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865542.982	404023.0595	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
506	10521	273		358-0013a	1		Pownal	N/A	N. side of Fickett Road, .2 miles west of intersection with Val Hall Road	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village	Lacks most aspects of integrity	This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865538.515	403998.9028	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
511	10541	270		358-0014	1		Pownal	Cumberland	N. side of Fickett Road, .13 miles west of intersection of Val Hall Road	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village	Lacks most aspects of integrity	This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865561.216	404096.8699	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
512	10542	271		358-0014a	1		Pownal	Cumberland	North side of Fickett Road, .13 miles west of intersection with Val Hall Rd.	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village C: Architecture	Retains most aspects of integrity	This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865565.005	404070.4664	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
513	10543	264		358-0015	1		Pownal	Cumberland	North side of Fickett Road, 230 feet west of intersection with Val Hall Rd	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village	Lacks most aspects of integrity	This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865599.238	404203.4904	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study

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1443	91562	1332		N/A			Windsor	Kennebec	Coopers Mills Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century Cape; recommended NRHP not eligible	Pending	No Further Survey	4903190.118	455098.5017	Not Eligible	Point	NA	Not Eligible
1375	91567	1333		N/A		Bridge #5543	Windsor	Kennebec	Maxcy's Mill Rd over Sheepscot River	Preliminarily Eligible	No	Not Eligible	A: Transportation	Retains most aspects of integrity	The bridge is recommended NRHP preliminarily eligible.	Pending	Intensive Survey	4904260.425	454926.8191	Not Determined	Point	NA	Not Determined - Further Study
514	10544	265		358-0016	1	Fire Barn	Pownal	Cumberland	N. side of Fickett Road, 120 feet west of intersection with Val Hall Road	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village	Lacks most aspects of integrity	Fire Station; This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865619.859	404229.0754	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
515	10561	266		358-0017	1	North Pownal General Store	Pownal	Cumberland	Northwest corner of Fickett and Val Hall Roads	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village	Lacks most aspects of integrity	North Pownal General Store; This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865631.171	404255.9404	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
516	10562	267		358-0018	1		Pownal	Cumberland	Northeast corner of Fickett Road and Val Hall Road	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village	Lacks most aspects of integrity	This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865667.116	404282.4136	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
517	10563	268		358-0018a	1		Pownal	Cumberland	Northeast corner of Fickett and Val Hall Roads	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village	Lacks most aspects of integrity	This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865695.18	404300.6866	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
518	10564	269		358-0018b	1		Pownal	Cumberland	Southeast corner of Fickett and Val Hall Road	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village	Lacks most aspects of integrity	This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Indirect	Intensive Survey	4865675.348	404371.4295	NOT DETERMINED	Point	Pownal Village Historic District	Not Determined - Further Study
1376	91560	1339		N/A			Windsor	Kennebec	Griffin Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence, side hall; recommended NRHP not eligible	Pending	No Further Survey	4903304.497	454617.9845	Not Eligible	Point	NA	Not Eligible
1377	91570	1340		N/A			Windsor	Kennebec	Griffin Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century Cape; recommended NRHP not eligible	Pending	No Further Survey	4903099.358	454566.2617	Not Eligible	Point	NA	Not Eligible
1378	91565	1341		N/A			Windsor	Kennebec	Griffin Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century garage; recommended NRHP not eligible	Pending	No Further Survey	4903078.322	454543.7241	Not Eligible	Point	NA	Not Eligible
1379	91566	1342		N/A			Windsor	Kennebec	Wilson Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence; recommended NRHP not eligible	Pending	No Further Survey	4902054.557	453632.644	Not Eligible	Point	NA	Not Eligible
1380	91571	1343		N/A			Windsor	Kennebec	697 Augusta-Rockland Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	1960s-1980s Ranch; recommended NRHP not eligible	Pending	No Further Survey	4901840.76	454447.4499	Not Eligible	Point	NA	Not Eligible
1381	91568	1344		N/A			Windsor	Kennebec	715 Augusta-Rockland Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century residence converted to storefront; recommended NRHP not eligible	Pending	No Further Survey	4901857.442	454560.6443	Not Eligible	Point	NA	Not Eligible
1397	91572	1346		N/A			Whitefield	Lincoln	Vigue Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4901364.914	454207.8913	Not Eligible	Point	NA	Not Eligible
1398	91573	1347		N/A			Whitefield	Lincoln	394 Vigue Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century Cape, connected farmhouse; recommended NRHP not eligible	Indirect	No Further Survey	4900901.741	453929.673	Not Eligible	Point	NA	Not Eligible
1399	91576	1348		N/A			Whitefield	Lincoln	394 Vigue Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century connected barn; recommended NRHP not eligible	Indirect	No Further Survey	4900915.129	453941.1572	Not Eligible	Point	NA	Not Eligible
1400	91577	1349		N/A			Whitefield	Lincoln	Vigue Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4900313.535	453456.6646	Not Eligible	Point	NA	Not Eligible
1444	91579	1350		N/A			Whitefield	Lincoln	468 Vigue Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century Cape; recommended NRHP not eligible	Indirect	No Further Survey	4900153.957	453322.2634	Not Eligible	Point	NA	Not Eligible
1445	91574	1351		N/A			Whitefield	Lincoln	Doyle Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4901452.443	452595.4649	Not Eligible	Point	NA	Not Eligible
1401	91580	1352		N/A			Whitefield	Lincoln	Cooper Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	Completely renovated (may be entirely new) late 19th century Cape; recommended NRHP not eligible	Indirect	No Further Survey	4898361.281	450490.2894	Not Eligible	Point	NA	Not Eligible
1446	91581	1353		N/A			Whitefield	Lincoln	Cooper Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century; recommended NRHP not eligible	Indirect	No Further Survey	4898337.597	450615.0045	Not Eligible	Point	NA	Not Eligible
1402	91578	1354		N/A			Whitefield	Lincoln	Cooper Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4898363.709	450644.2495	Not Eligible	Point	NA	Not Eligible
1403	91582	1355		N/A			Whitefield	Lincoln	Devine Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century silo; recommended NRHP not eligible	Indirect	No Further Survey	4898790.279	450847.0574	Not Eligible	Point	NA	Not Eligible
1404	91585	1356		N/A		Windswept Acres	Whitefield	Lincoln	242 Devine Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4899853.639	451717.1594	Not Eligible	Point	NA	Not Eligible
1405	91586	1357		N/A		Windswept Acres	Whitefield	Lincoln	242 Devine Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4899871.604	451683.7538	Not Eligible	Point	NA	Not Eligible

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1406	91588	1358		N/A			Whitefield	Lincoln	408 Vigue Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4899746.728	452971.8248	Not Eligible	Point	NA	Not Eligible
1407	91563	1359		N/A		Howe Road Cemetery c. 1817	Whitefield	Lincoln	Howe Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	small rural cemetery, 19th century; recommended NRHP not eligible	Indirect	No Further Survey	4899675.548	453103.2398	Not Eligible	Point	NA	Not Eligible
1447	91589	1360		N/A			Whitefield	Lincoln	420 Vigue Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4899894.722	453078.0865	Not Eligible	Point	NA	Not Eligible
1408	91590	1361		N/A			Whitefield	Lincoln	420 Vigue Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4899926.229	453097.3674	Not Eligible	Point	NA	Not Eligible
1409	91591	1362		N/A			Whitefield	Lincoln	386 Vigue Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4899676.358	452906.092	Not Eligible	Point	NA	Not Eligible
1410	91575	1363		N/A			Whitefield	Lincoln	333 Vigue Rd	Not Eligible	No	Not Eligible	Thomas Field House	This resource retains modest integrity	1830-1846 hall and parlor, partial stone residence; MHPC determined not eligible in December 2005, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Indirect	No Further Survey	4899302.666	452669.3464	Not Eligible	Point	NA	Not Eligible
1411	91594	1364		N/A			Whitefield	Lincoln	Finn Brook Lane	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4899257.162	452310.8684	Not Eligible	Point	NA	Not Eligible
1412	91595	1365		N/A			Whitefield	Lincoln	Vigue Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4897934.327	451823.3373	Not Eligible	Point	NA	Not Eligible
1413	91592	1366		N/A		Calvary Cemetery	Whitefield	Lincoln	Grand Army Rd	Preliminarily Eligible	St. Denis Historic District	Preliminarily Eligible	A: Social History, Religion, Settlement; B: Person; C: Architecture	Retains most aspects of integrity	Calvary Cemetery, mid 19th century moderately sized rural cemetery. Potentially eligible as part of proposed St. Denis Historic District; Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4897401.895	451255.7842	Not Determined	Point	St. Denis Historic District	Not Determined - Further Study
1414	91596	1367		N/A		Church	Whitefield	Lincoln	Grand Army Rd	Preliminarily Eligible	St. Denis Historic District	Preliminarily Eligible	A: Social History, Religion; B: Person; C: Architecture	Retains most aspects of integrity	St. Denis Parish Center; 1871 Italianate as orphanage/school. MHPC determined not eligible in 2002. Based on this reconnaissance survey, SEARCH recommends St. Denis Historic District; Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4897492.45	451041.4946	Not Determined	Point	St. Denis Historic District	Not Determined - Further Study
616	71161	249	x	358-0023	1		Pownal	Cumberland	Auburn Road, ¼-mile south of Poland Range Road	Preliminarily Eligible	No	Not Eligible	C: Architecture	Retains most aspects of integrity	House portion of connected house-barn complex. Excellent example of connected New England house-barn complex with Greek Revival detailing.	None	No Further Survey	4865091.365	404423.3573	Not Determined	Point	NA	Not Determined - No Further Study
1416	91601	1369		N/A		St. Denis Cemetery 1819-1854	Whitefield	Lincoln	298 Grand Army Rd	Preliminarily Eligible	St. Denis Historic District	Preliminarily Eligible	A: Social History, Religion; B: Person; C: Architecture	Retains most aspects of integrity	St. Denis Churchyard cemetery. Potentially eligible as part of proposed St. Denis Historic District; Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4897425.326	451030.9281	Not Determined	Point	St. Denis Historic District	Not Determined - Further Study
1448	91584	1370		N/A			Whitefield	Lincoln	298 Grand Army Rd	Preliminarily Eligible	St. Denis Historic District	Preliminarily Eligible	A: Social History, Religion; B: Person; C: Architecture	Retains most aspects of integrity	St. Denis rectory, 1851. First story stone, upper stories decorative shingles. Potentially eligible as part of proposed St. Denis Historic District; Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4897410.355	450964.239	Not Determined	Point	St. Denis Historic District	Not Determined - Further Study
1417	91604	1371		N/A			Whitefield	Lincoln	Grand Army Rd	Preliminarily Eligible	St. Denis Historic District	Preliminarily Eligible	A: Social History, Religion; B: Person; C: Architecture	This resource retains modest integrity	Gothic Revival influenced barn, associated with ST. Denis rectory. Potentially eligible as part of proposed St. Denis Historic District; Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4897393.992	450978.1034	Not Determined	Point	St. Denis Historic District	Not Determined - Further Study
1418	91607	1372		N/A			Whitefield	Lincoln	Cooper Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 19th century Cape; recommended NRHP not eligible.	Indirect	No Further Survey	4897704.546	450905.279	Not Eligible	Point	NA	Not Eligible
1419	91608	1373		N/A			Whitefield	Lincoln	Cooper Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	collapsed late 19th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4897662.516	450868.7743	Not Eligible	Point	NA	Not Eligible
1420	91609	1374		N/A			Whitefield	Lincoln	205 Gardiner Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century Cape style connected farmhouse; recommended NRHP not eligible	Indirect	No Further Survey	4897088.783	449526.2523	Not Eligible	Point	NA	Not Eligible
1421	91610	1375		N/A			Whitefield	Lincoln	205 Gardiner Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century attached barn; recommended NRHP not eligible	Indirect	No Further Survey	4897078.912	449517.8458	Not Eligible	Point	NA	Not Eligible
1449	91593	1376		N/A			Whitefield	Lincoln	205 Gardiner Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4897113.936	449553.2124	Not Eligible	Point	NA	Not Eligible
1450	91599	1377		N/A			Whitefield	Lincoln	305 Gardiner Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century Cape; recommended NRHP not eligible	Indirect	No Further Survey	4896625.196	448974.1666	Not Eligible	Point	NA	Not Eligible
1422	91613	1378		N/A			Whitefield	Lincoln	305 Gardiner Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century multi-purpose barn; recommended NRHP not eligible	Indirect	No Further Survey	4896571.078	448946.8581	Not Eligible	Point	NA	Not Eligible
1423	91614	1379		N/A			Whitefield	Lincoln	Rooney Lane	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century Cape; recommended NRHP not eligible	Indirect	No Further Survey	4895509.025	448177.7661	Not Eligible	Point	NA	Not Eligible
1451	91616	1380		N/A			Whitefield	Lincoln	Rooney Lane	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century attached garage/barn; recommended NRHP not eligible	Indirect	No Further Survey	4895507.526	448166.8513	Not Eligible	Point	NA	Not Eligible
1424	91611	1381		N/A			Whitefield	Lincoln	Townhouse Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 19th century Cape; recommended NRHP not eligible	Indirect	No Further Survey	4894235.128	449560.9883	Not Eligible	Point	NA	Not Eligible

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1425	91618	1382		N/A			Whitefield	Lincoln	Townhouse Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4894217.626	449548.2694	Not Eligible	Point	NA	Not Eligible
1426	91620	1383		N/A			Whitefield	Lincoln	Townhouse Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century residence, modern renovations; recommended NRHP not eligible	Indirect	No Further Survey	4894101.164	449470.6996	Not Eligible	Point	NA	Not Eligible
1452	91621	1384		N/A			Whitefield	Lincoln	Townhouse Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4893688.65	449288.1667	Not Eligible	Point	NA	Not Eligible
1453	91624	1385		N/A			Whitefield	Lincoln	Townhouse Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture, settlement/development; C: Architecture	Retains most aspects of integrity	mid 19th century Gothic Revival with Italianate details. Potentially eligible as good intact example of transitional architecture. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4893340.055	449189.6332	Not Determined	Point	NA	Not Determined - Further Study
1427	91625	1386		N/A			Whitefield	Lincoln	Townhouse Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century residence, Italianate influence; recommended NRHP not eligible	Indirect	No Further Survey	4892672.816	449257.3544	Not Eligible	Point	NA	Not Eligible
1428	91626	1387		N/A			Whitefield	Lincoln	Philbrick Lane	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 19th century Cape with later Italianate details; recommended NRHP not eligible	Indirect	No Further Survey	4892185.365	448588.2824	Not Eligible	Point	NA	Not Eligible
1429	91627	1388		N/A			Whitefield	Lincoln	Philbrick Lane	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	early 20th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4892149.811	448595.4225	Not Eligible	Point	NA	Not Eligible
1430	91628	1389		N/A			Whitefield	Lincoln	Philbrick Lane	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century attached barn; recommended NRHP not eligible	Indirect	No Further Survey	4892174.986	448591.1865	Not Eligible	Point	NA	Not Eligible
1454	91630	1390		N/A			Whitefield	Lincoln	Philbrick Lane	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4892236.498	448479.8629	Not Eligible	Point	NA	Not Eligible
1431	91623	1391		N/A			Whitefield	Lincoln	Townhouse Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	mid to late 19th century Cape; recommended NRHP not eligible	Indirect	No Further Survey	4892336.286	449413.9169	Not Eligible	Point	NA	Not Eligible
1455	91631	1392		N/A			Whitefield	Lincoln	Townhouse Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century with early 20th century additions; recommended NRHP not eligible	Indirect	No Further Survey	4891912.587	449680.8669	Not Eligible	Point	NA	Not Eligible
1432	91633	1393		N/A			Whitefield	Lincoln	Townhouse Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century vernacular residence with attached barn; recommended NRHP not eligible	Indirect	No Further Survey	4891301.269	449836.9944	Not Eligible	Point	NA	Not Eligible
1433	91657	1394		N/A			Whitefield	Lincoln	Townhouse Rd	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	early 20th century attached barn; recommended NRHP not eligible	Indirect	No Further Survey	4891317.937	449834.6815	Not Eligible	Point	NA	Not Eligible
617	71163	250	x	358-0023a	1		Pownal	Cumberland	Auburn Road, ¼-mile south of Poland Range Road	Preliminarily Eligible	No	Not Eligible	C: Architecture	Retains most aspects of integrity	Barn portion of connected house-barn complex. Excellent example of connected New England house-barn complex with Greek Revival detailing.	None	No Further Survey	4865084.014	404441.9743	Not Determined	Point	NA	Not Determined - No Further Study
1435	91661	1396		N/A		Sheepscot Valley Community Church	Whitefield	Lincoln	25 Pittston Rd	Not Eligible	No	Not Eligible	A: Religion, Social history	This resource retains modest integrity	Whitefield Union Church c. 1870, Italianate style; steeple replaced c. 2012 with fiberglass; recommended NRHP not eligible	Indirect	No Further Survey	4890988.111	449844.8856	Not Eligible	Point	NA	Not Eligible
1436	91663	1397		N/A			Whitefield	Lincoln	20 Pittston Rd	Not Eligible	No	Not Eligible	A: Community Development, education; C: Architecture	This resource lacks sufficient integrity for NRHP eligibility consideration	Bell Schoolhouse 1859, converted to residence; recommended NRHP not eligible	Indirect	No Further Survey	4890946.506	449877.1596	Not Eligible	Point	NA	Not Eligible
1299	63373	1398		N/A			Whitefield	Lincoln	14 Pittston Road	Preliminarily Eligible	No	Not Eligible	A: Community Development; B: Person; C: Architecture	Retains most aspects of integrity	mid 19th century vernacular residence in Kings Mill; based on location and size of house it may be associated with development of area; prior survey in November 2008, no determination made by MHPC. Based on this reconnaissance survey, SEARCH recommends Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4890909.697	449930.3397	Not Determined	Point	NA	Not Determined - Further Study
1437	91664	1399		N/A			Whitefield	Lincoln	35 Pittston Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4890969.763	449765.2102	Not Eligible	Point	NA	Not Eligible
1456	91248	1400		N/A			Whitefield	Lincoln	63 Pittston Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century residence; recommended NRHP not eligible	Indirect	No Further Survey	4890878.395	449563.9683	Not Eligible	Point	NA	Not Eligible
1472	91260	1401		N/A			Whitefield	Lincoln	63 Pittston Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4890908.501	449564.7852	Not Eligible	Point	NA	Not Eligible
1473	91256	1402		N/A			Whitefield	Lincoln	129 Pittston Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century cottage extensively modified; recommended NRHP not eligible	Indirect	No Further Survey	4890809.266	449070.4772	Not Eligible	Point	NA	Not Eligible
1292	63362	1403		N/A			Whitefield	Lincoln	136 Pittston Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	Two 19th c. houses joined together, one house was relocated to current location. late 19th century barn. Prior survey completed November 2008, not reviewed by MHPC. Based on this reconnaissance survey, SEARCH determined the resource is not eligible for NRHP. recommended NRHP not eligible	Indirect	No Further Survey	4890725.87	449009.0527	Not Eligible	Point	NA	Not Eligible
1293	63365	1404		N/A			Whitefield	Lincoln	136 Pittston Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century barn. Prior survey completed November 2008, not reviewed by MHPC. Based on this reconnaissance survey, SEARCH determined the resource is not eligible for NRHP. recommended NRHP not eligible	Indirect	No Further Survey	4890724.994	448975.5727	Not Eligible	Point	NA	Not Eligible

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1298	63371	1405		N/A			Whitefield	Lincoln	161 Pittston Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	1815 brick Cape. Prior survey completed November 2008, not reviewed by MHPC. Based on this reconnaissance survey, SEARCH determined the resource is not eligible for NRHP. recommended NRHP not eligible	Indirect	No Further Survey	4890793.994	448842.2112	Not Eligible	Point	NA	Not Eligible
1295	63368	1406		N/A			Whitefield	Lincoln	185 Pittston Road	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	1825-1830 central hall, connected farmhouse. Prior survey completed November 2008, not reviewed by MHPC. Based on this reconnaissance survey, SEARCH determined the resource is not eligible for NRHP. recommended NRHP not eligible	Indirect	No Further Survey	4890741.024	448661.9608	Not Eligible	Point	NA	Not Eligible
1296	63370	1407		N/A			Whitefield	Lincoln	185 Pittston Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century barn with modern additions to convert into residence. Prior survey completed November 2008, not reviewed by MHPC. Based on this reconnaissance survey, SEARCH determined the resource is not eligible for NRHP. recommended NRHP not eligible	Indirect	No Further Survey	4890763.63	448679.6101	Not Eligible	Point	NA	Not Eligible
1474	91264	1408		N/A		bridge	Whitefield	Lincoln	E. River Rd over Sheepscot Rive	Preliminarily Eligible	No	Not Eligible	A: Transportation	Retains most aspects of integrity	The bridge is recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4891007.036	450043.01	Not Determined	Point	NA	Not Determined - Further Study
1475	91263	1409		N/A			Whitefield	Lincoln	Wiscasset Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century Craftsman influenced residence; recommended NRHP not eligible	Indirect	No Further Survey	4890895.25	450093.99	Not Eligible	Point	NA	Not Eligible
1457	91268	1410		N/A			Whitefield	Lincoln	Wiscasset Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4888316.023	450088.9322	Not Eligible	Point	NA	Not Eligible
1476	91273	1411		N/A			Whitefield	Lincoln	Wiscasset Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4888150.753	449919.9753	Not Eligible	Point	NA	Not Eligible
1477	91265	1412		N/A			Whitefield	Lincoln	Wiscasset Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century detached barn; recommended NRHP not eligible	Indirect	No Further Survey	4888121.221	449901.4534	Not Eligible	Point	NA	Not Eligible
1488	91274	1413		N/A			Whitefield	Lincoln	Wiscasset Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century Cape; recommended NRHP not eligible	Indirect	No Further Survey	4886639.884	448952.0585	Not Eligible	Point	NA	Not Eligible
1328	91272	1414		N/A			Whitefield	Lincoln	714 Wiscasset Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 19th century; recommended NRHP not eligible	Direct	No Further Survey	4886200.289	449011.4979	Not Eligible	Point	NA	Not Eligible
1327	91277	1415		N/A			Whitefield	Lincoln	Wiscasset Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	19th/20th C. Revival style, c. 1940s; recommended NRHP not eligible	Indirect	No Further Survey	4885939.833	449017.0298	Not Eligible	Point	NA	Not Eligible
1329	91279	1416		N/A			Alna	Lincoln	Alna Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century; recommended NRHP not eligible	Indirect	No Further Survey	4885577.061	449206.3096	Not Eligible	Point	NA	Not Eligible
1330	91282	1417		N/A			Alna	Lincoln	Alna Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	19th/20th C. Revival style, c. 1940s; recommended NRHP not eligible	Indirect	No Further Survey	4885497.682	449216.499	Not Eligible	Point	NA	Not Eligible
1331	91288	1419		N/A			Alna	Lincoln	Alna Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th century 19th/20th c. Revival; recommended NRHP not eligible	Indirect	No Further Survey	4884936.776	449726.0505	Not Eligible	Point	NA	Not Eligible
1301	70087	1312		484-0030	1		Windsor	Kennebec	111 Coopers Mills Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century connected farmhouse. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4905370.965	456006.5577	Not Eligible	Point	NA	Not Eligible
1458	91290	1421		N/A			Alna	Lincoln	Head Tide Hill Rd.	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4886823.315	450360.1599	Not Eligible	Point	NA	Not Eligible
1333	91291	1422		N/A			Alna	Lincoln	Head Tide Hill Rd.	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	mid 20th century 19th/20th c. Revival; recommended NRHP not eligible	Indirect	No Further Survey	4886695.816	450305.4311	Not Eligible	Point	NA	Not Eligible
1334	91292	1423		N/A			Alna	Lincoln	Head Tide Hill Rd.	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4886343.434	450170.4573	Not Eligible	Point	NA	Not Eligible
1335	91297	1425		N/A			Alna	Lincoln	Head Tide Hill Rd.	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	c. 1940s, 19th/20th C. Revival style; recommended NRHP not eligible	Indirect	No Further Survey	4885414.798	450124.7246	Not Eligible	Point	NA	Not Eligible
1336	91295	1426		N/A			Alna	Lincoln	Lothrop Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	c. 1940s, 19th/20th C. Revival style; recommended NRHP not eligible	Indirect	No Further Survey	4882894.791	448674.7366	Not Eligible	Point	NA	Not Eligible
1337	91296	1427		N/A			Alna	Lincoln	1191 W. Alna Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 19th century Cape; recommended NRHP not eligible	Indirect	No Further Survey	4882686.026	449075.3484	Not Eligible	Point	NA	Not Eligible
1338	91303	1428		N/A			Alna	Lincoln	W. Alna Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century side hall; recommended NRHP not eligible	Indirect	No Further Survey	4882484.237	449024.773	Not Eligible	Point	NA	Not Eligible
1339	91304	1429		N/A			Alna	Lincoln	W. Alna Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century residence; recommended NRHP not eligible	Indirect	No Further Survey	4882377.746	448935.4819	Not Eligible	Point	NA	Not Eligible
1340	91298	1430		N/A			Alna	Lincoln	W. Alna Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 19th century residence; recommended NRHP not eligible	Indirect	No Further Survey	4882105.016	448900.5392	Not Eligible	Point	NA	Not Eligible
1459	91305	1431		N/A		BR3145	Alna	Lincoln	W. Alna Rd over Trout Brook	Preliminarily Eligible	No	Not Eligible	A: Transportation	This resource retains modest integrity	The bridge is recommended NRHP preliminarily eligible.	Pending	Intensive Survey	4881661.758	448579.0347	Not Determined	Point	NA	Not Determined - Further Study
1341	91301	1432		N/A			Alna	Lincoln	W. Alna Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century Craftsman influenced; recommended NRHP not eligible	Indirect	No Further Survey	4879338.595	448167.2401	Not Eligible	Point	NA	Not Eligible

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OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
1342	91309	1433		N/A			Alna	Lincoln	W. Alna Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4879197.806	447919.4275	Not Eligible	Point	NA	Not Eligible
1343	91299	1434		N/A			Alna	Lincoln	W. Alna Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	c. 1940s, 19th/20th C. Revival style; recommended NRHP not eligible	Indirect	No Further Survey	4878741.925	447595.8166	Not Eligible	Point	NA	Not Eligible
1344	91287	1436		N/A			Wiscasset	Lincoln	Fowle Hill Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century Cape; recommended NRHP not eligible	Indirect	No Further Survey	4876699.446	446078.629	Not Eligible	Point	NA	Not Eligible
1345	91318	1437		N/A			Wiscasset	Lincoln	Gardiner Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century Cape; recommended NRHP not eligible	Indirect	No Further Survey	4877780.392	445383.759	Not Eligible	Point	NA	Not Eligible
1346	91320	1438		N/A			Wiscasset	Lincoln	Gardiner Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 19th century residence; recommended NRHP not eligible	Indirect	No Further Survey	4877137.725	445677.7834	Not Eligible	Point	NA	Not Eligible
1347	91314	1439		N/A			Wiscasset	Lincoln	434 Gardiner Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4875855.852	446054.414	Not Eligible	Point	NA	Not Eligible
1489	91324	1440		N/A			Wiscasset	Lincoln	Dickinson Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century barn; recommended NRHP not eligible	Direct	No Further Survey	4875264.336	445420.9826	Not Eligible	Point	NA	Not Eligible
1348	91328	1441		N/A			Wiscasset	Lincoln	Dickinson Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century Gothic Revival with Italianate details; recommended NRHP not eligible	Direct	No Further Survey	4875219.075	445434.2566	Not Eligible	Point	NA	Not Eligible
1349	91346	1445		N/A			Wiscasset	Lincoln	151 Dickinson Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks architectural and historical significance	early 20th century farmstead; recommended NRHP not eligible	Indirect	No Further Survey	4875084.477	445455.1885	Not Eligible	Point	NA	Not Eligible
1350	91323	1446		N/A			Wiscasset	Lincoln	Dickinson Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4874792.6	445248.724	Not Eligible	Point	NA	Not Eligible
1302	70089	1310		484-0030a	1		Windsor	Kennebec	111 Coopers Mills Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century connected dairy barn. MHPC determined not eligible in September 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4905343.444	455994.5713	Not Eligible	Point	NA	Not Eligible
1303	70090	1313		484-0030b	1		Windsor	Kennebec	111 Coopers Mills Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century detached hay barn. MHPC determined not eligible in September 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4905318.153	456000.4233	Not Eligible	Point	NA	Not Eligible
1304	70092	1309		484-0030c	1		Windsor	Kennebec	111 Cooper's Mill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century tractor barn. MHPC determined not eligible in September 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4905321.267	456017.2272	Not Eligible	Point	NA	Not Eligible
1460	91353	1450		N/A		Foye Cemetery	Wiscasset	Lincoln	Dickinson Rd	Not Eligible	No	Not Eligible	N/A: Not of significant design; low likelihood for historical significance	Retains most aspects of integrity, in need of maintenance	Foye Cemetery, small likely private cemetery in wooded area and bordered with stone walls; recommended NRHP not eligible	Pending	No Further Survey	4874399.775	444888.4876	Not Eligible	Point	NA	Not Eligible
1351	91349	1451		N/A			Wiscasset	Lincoln	Willow Ln	Not Eligible	No	Not Eligible	N/A: Lacking enough significance to be considered individually eligible	Retains all aspects of integrity, but	mid 19th century English style detached barn; recommended NRHP not eligible	Indirect	No Further Survey	4874245.027	444939.0766	Not Eligible	Point	NA	Not Eligible
1371	91484	1452		N/A			Wiscasset	Lincoln	Willow Ln	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks architectural and historical significance	early 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4874259.099	444911.1921	Not Eligible	Point	NA	Not Eligible
1372	91463	1453		N/A			Wiscasset	Lincoln	Willow Ln	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4874339.621	444693.5156	Not Eligible	Point	NA	Not Eligible
1490	92210	1454		N/A			Wiscasset	Lincoln	467 Willow Ln	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Less than 50 years old.	Following fieldwork, this building was confirmed to be less than 50 years old. Therefore it does not meet the age criteria for NRHP eligibility, and is therefore recommended NRHP not eligible or for NRHP eligibility.	Indirect	No Further Survey	4875413.864	443804.8056	Not Eligible	Point	NA	Not Eligible
1373	91490	1455		N/A			Wiscasset	Lincoln	467 Willow Ln	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4875342.151	443908.113	Not Eligible	Point	NA	Not Eligible
1461	91492	1456		N/A			Wiscasset	Lincoln	12 Rumerill Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4873318.397	444425.6201	Not Eligible	Point	NA	Not Eligible
1374	91494	1457		N/A		Greenland Cemetery	Wiscasset	Lincoln	Rumerill Rd	Preliminarily Eligible	No	Not Eligible	A: Settlement; Community Development; B: Person; C: Design	Retains most aspects of integrity	early 19th century; enclosed with wooden fence along and stonewall; consists mainly of marble markers; with uniformly sized plots in grid pattern. Potentially eligible for association with early settlement and important people; well maintained 19th century cemetery. Recommended NRHP preliminarily eligible.	Pending	Intensive Survey	4873637.432	444585.4035	Not Determined	Point	NA	Not Determined - Further Study
1353	91496	1458		N/A			Woolwich	Sagadahoc	Mountain Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4872856.348	443650.0672	Not Eligible	Point	NA	Not Eligible
1354	91498	1459		N/A			Woolwich	Sagadahoc	Mountain Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4872868.736	443642.8712	Not Eligible	Point	NA	Not Eligible

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1355	91470	1460		N/A			Woolwich	Sagadahoc	Mountain Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century barn; recommended NRHP not eligible	Indirect	No Further Survey	4872842.034	443646.0095	Not Eligible	Point	NA	Not Eligible
1462	91499	1461		N/A		Trout Lily Farm	Woolwich	Sagadahoc	Mountain Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence; recommended NRHP not eligible	Direct	No Further Survey	4872380.706	443042.5606	Not Eligible	Point	NA	Not Eligible
1352	91755	1462		N/A			Alna	Lincoln	W. Alna Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4878865.923	447686.1515	Not Eligible	Point	NA	Not Eligible
1463	91504	1463		N/A			Wiscasset	Lincoln	Old Bath Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4871330.632	443878.8069	Not Eligible	Point	NA	Not Eligible
1356	91500	1464		N/A			Wiscasset	Lincoln	Old Bath Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	Direct	No Further Survey	4871008.757	443772.9242	Not Eligible	Point	NA	Not Eligible
1305	70093	1311		484-0030d	1		Windsor	Kennebec	111 Coopers Mills Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century farmstead. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4905335.973	455993.3559	Not Eligible	Point	NA	Not Eligible
1357	91505	1466		N/A			Wiscasset	Lincoln	Old Bath Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4869947.908	443337.7312	Not Eligible	Point	NA	Not Eligible
1358	91507	1467		N/A			Wiscasset	Lincoln	Old Bath Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	mid 20th century garage; recommended NRHP not eligible	Indirect	No Further Survey	4869982.993	443338.0726	Not Eligible	Point	NA	Not Eligible
1306	70096	1554		484-0030e	1		Windsor	Kennebec	111 Coopers Mills Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century milk barn. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4905370.021	455952.2086	Not Eligible	Point	NA	Not Eligible
1326	79666	1555		484-0030f	1		Windsor	Kennebec	111 Coopers Mills Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century wood shed. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4905343.37	455994.041	Not Eligible	Point	NA	Not Eligible
1478	79670	1556		484-0030g	1		Windsor	Kennebec	111 Coopers Mills Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century wood shed. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4905349.786	456016.1708	Not Eligible	Point	NA	Not Eligible
1497	79674	1310		484-0030h	1		Windsor	Kennebec	111 Coopers Mills Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century connected dairy barn. MHPC determined not eligible in September 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4905336.359	455995.8982	Not Eligible	Point	NA	Not Eligible
1300	70086	1310		484-0030hfs	1		Windsor	Kennebec	111 Coopers Mills Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century connected dairy barn. MHPC determined not eligible in September 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4905320.991	456012.865	Not Eligible	Point	NA	Not Eligible
1464	91511	1473		N/A			Wiscasset	Lincoln	Bath Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains most aspects of integrity	1950s-1960s Ranch; recommended NRHP not eligible	Indirect	No Further Survey	4870129.71	443755.2154	Not Eligible	Point	NA	Not Eligible
1312	79643	1330		484-0031	1		Windsor	Kennebec	321 Cooper's Mill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century Federal style residence. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4904065.284	455311.1638	Not Eligible	Point	NA	Not Eligible
1313	79651	1331		484-0031a	1		Windsor	Kennebec	321 Cooper's Mill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century barn. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4904085.915	455316.3824	Not Eligible	Point	NA	Not Eligible
1314	79653	1328		484-0032	1		Windsor	Kennebec	295 Cooper's Mill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century farmstead. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4904196.701	455362.5512	Not Eligible	Point	NA	Not Eligible
1316	79656	1553		484-0033	1		Windsor	Kennebec	303 Coopers Mills Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4904192.5	455362.1886	Not Eligible	Point	NA	Not Eligible
1359	91508	1478		N/A		Rockland Branch RR	Wiscasset	Lincoln	Two Bridge Road	Preliminarily Eligible	No	Not Eligible	A: Transportation	Retains most aspects of integrity	The railroad is recommended NRHP preliminarily eligible.	Pending	Intensive Survey	4869856.213	444674.2867	Not Determined	Point	NA	Not Determined - Further Study
1388	73847	1327		484-0034	1		Windsor	Kennebec	295 Cooper's Mill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century Italianate residence. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4904240.631	455394.9702	Not Eligible	Point	NA	Not Eligible
1389	73849	1325		484-0034a	1		Windsor	Kennebec	295 Cooper's Mill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century barn; recommended NRHP not eligible	Pending	No Further Survey	4904273.308	455427.2231	Not Eligible	Point	NA	Not Eligible
1320	79657	1326		484-0034b	1		Windsor	Kennebec	295 Cooper's Mill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century vernacular residence (converted barn?). MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4904167.101	455393.4061	Not Eligible	Point	NA	Not Eligible

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1465	91516	1483		N/A			Wiscasset	Lincoln	Two Bridge Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century vernacular residence; recommended NRHP not eligible	None	No Further Survey	4869726.339	444402.702	Not Eligible	Point	NA	Not Eligible
1317	79649	1328		484-0034hfs	1		Windsor	Kennebec	295 Cooper's Mill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century farmstead. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4904159.14	455390.7723	Not Eligible	Point	NA	Not Eligible
1321	79654	1579		484-0035	1		Windsor	Kennebec	246 Cooper's Mill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Demolished	MHPC previously determined this resource was Not Eligible. During the reconnaissance survey, SEARCH confirmed the resource has been demolished, and therefore recommends this resource remains Not Eligible.	Pending	No Further Survey	4904463.167	455738.6441	Not Eligible	Point	NA	Not Eligible
1393	73858	1336		484-0036	1		Windsor	Kennebec	206 Maxcy's Mill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century revival style residence. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4904353.819	454796.3585	Not Eligible	Point	NA	Not Eligible
1395	73810	1334		484-0036a	1		Windsor	Kennebec	206 Maxcy's Mill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains little integrity	late 19th century connected barn converted to garage. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4904361.496	454781.1715	Not Eligible	Point	NA	Not Eligible
1392	73855	1335		484-0036hfs	1		Windsor	Kennebec	206 Maxcy's Mill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century farmstead. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4904363.77	454791.3938	Not Eligible	Point	NA	Not Eligible
1394	73860	1337		484-0037	1		Windsor	Kennebec	5 Griffin Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	late 19th century revival style residence. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4904317.139	454766.6916	Not Eligible	Point	NA	Not Eligible
1396	73859	1338		484-0038	1		Windsor	Kennebec	99 Griffin Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 19th century residence. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4903586.623	454728.5869	Not Eligible	Point	NA	Not Eligible
1482	79680	1305		484-0040	1		Windsor	Kennebec	7 Coopers Mill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 19th century Federal style farmhouse. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4906057.753	455701.0208	Not Eligible	Point	NA	Not Eligible
1466	91522	1492		N/A			Wiscasset	Lincoln	Birch Point Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	early 20th century vernacular residence; recommended NRHP not eligible	Indirect	No Further Survey	4869085.6	444567.4115	Not Eligible	Point	NA	Not Eligible
1480	79677	1306		484-0040a	1		Windsor	Kennebec	7 Coopers Mill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 19th century connected farmhouse. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4906058.918	455676.1791	Not Eligible	Point	NA	Not Eligible
1481	79661	1309		484-0040b	1		Windsor	Kennebec	111 Cooper's Mill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th century tractor barn. MHPC determined not eligible in September 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4906013.273	455699.3699	Not Eligible	Point	NA	Not Eligible
1483	79681	1308		484-0040c	1		Windsor	Kennebec	7 Coopers Mill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 19th century connected barn. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4906053.522	455677.6478	Not Eligible	Point	NA	Not Eligible
1479	79672	1305		484-0040hfs	1		Windsor	Kennebec	7 Coopers Mill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 19th century Federal style farmhouse. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4906057.315	455691.639	Not Eligible	Point	NA	Not Eligible
1484	79683	1302		484-0041	1		Windsor	Kennebec	Northeast corner of Sampson Road & South Belfast Road (Route 105)	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 20th century vernacular. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4906120.515	455751.4549	Not Eligible	Point	NA	Not Eligible
1271	39005	1476		491-00394	1		Wiscasset	Lincoln	288 Birch Point Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	mid 20th c. garage. MHPC determined not eligible in January 2011, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Indirect	No Further Survey	4869877.399	444976.66	Not Eligible	Point	NA	Not Eligible
1288	38458	1474		491-0065	1		Wiscasset	Lincoln	285 Birch Point Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	c. 1877 vernacular side hall residence. MHPC determined not eligible in January 2011, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Indirect	No Further Survey	4869930.498	444917.67	Not Eligible	Point	NA	Not Eligible
1284	38447	1477		491-0066	1		Wiscasset	Lincoln	297 Birch Point Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains most aspects of integrity	c. 1898 Italianate side hall residence. MHPC determined not eligible in January 2011, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Indirect	No Further Survey	4869885.659	444889.8165	Not Eligible	Point	NA	Not Eligible
1285	38449	1479		491-0067	1		Wiscasset	Lincoln	33 Two Bridge Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains most aspects of integrity	c. 1830 Cape. MHPC determined not eligible in January 2011, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Indirect	No Further Survey	4869901.503	444610.6411	Not Eligible	Point	NA	Not Eligible

Table 1

OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
1277	38424	1493		491-0068	1		Wiscasset	Lincoln	425 Birch Point Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	c. 1910-1915 Cape. MHPC determined not eligible in January 2011, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Pending	No Further Survey	4869013.843	444486.7094	Not Eligible	Point	NA	Not Eligible
1438	91670	1505		N/A			Wiscasset	Lincoln	Birch Point Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains most aspects of integrity	1950s-1960s Ranch; recommended NRHP not eligible	Indirect	No Further Survey	4867917.634	443871.881	Not Eligible	Point	NA	Not Eligible
1439	91672	1506		N/A		Culvert	Wiscasset	Lincoln	Old Ferry Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks engineering and historical significance	Retains most aspects of integrity	culvert; recommended NRHP ineligible	Pending	No Further Survey	4868081.547	443582.8913	Not Eligible	Point	NA	Not Eligible
1440	91673	1507		N/A			Wiscasset	Lincoln	Ready Point Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains modest integrity	mid 20th century minimal traditional; recommended NRHP not eligible	Indirect	No Further Survey	4867903.078	443798.9208	Not Eligible	Point	NA	Not Eligible
1441	91656	1508		N/A			Wiscasset	Lincoln	Ready Point Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains modest integrity	mid 20th century minimal traditional; recommended NRHP not eligible	Indirect	No Further Survey	4867657.973	443730.8736	Not Eligible	Point	NA	Not Eligible
854	91583	1509		N/A			Durham	Androscoggin	Durham Road	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains high degree of integrity	Mid 19th century farmstead; recommended preliminarily eligible.	Indirect	Intensive Survey	4866625.565	403667.6771	Not Determined	Point	NA	Not Determined - Further Study
863	91640	1510		N/A			Durham	Androscoggin	Auburn Pownal Road	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains high degree of integrity	Mid 19th century farmstead; recommended preliminarily eligible.	Indirect	Intensive Survey	4866773.978	403899.5876	Not Determined	Point	NA	Not Determined - Further Study
1162	91697	1511		N/A			Greene	Androscoggin	102 N Mountain Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains high degree of integrity	Mid 19th century farmstead; recommended preliminarily eligible.	Pending	Intensive Survey	4898272.555	406382.2306	Not Determined	Point	NA	Not Determined - Further Study
729	91744	1512		N/A			Leeds	Androscoggin	534 Fish St	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains modest integrity	The farmstead has been altered with the loss of its agricultural buildings. It is recommended NRHP not eligible.	Pending	No Further Survey	4906773.129	407601.3066	Not Eligible	Point	NA	Not Eligible
733	90990	1513		N/A		Fairview Farm	Leeds	Androscoggin	530 Fish St (Grant Rd)	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming	Retains modest integrity	The farmstead is recommended preliminarily eligible to determine NRHP eligibility.	Pending	Intensive Survey	4907342.323	407600.1539	Not Determined	Point	NA	Not Determined - Further Study
739	90975	1514		N/A			Leeds	Androscoggin	129 Fish St	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains high degree of integrity	Mid 19th century farmstead; recommended preliminarily eligible.	Pending	Intensive Survey	4909679.773	406851.9564	Not Determined	Point	NA	Not Determined - Further Study
748	91792	1515		N/A		Souther Family Farm	Livermore Falls	Androscoggin	Souther Road	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains high degree of integrity	Mid 19th century farmstead with pastures, farmland, and multiple outbuildings; recommended preliminarily eligible.	Indirect	Intensive Survey	4924931.413	407822.7565	Not Determined	Point	NA	Not Determined - Further Study
1237	91848	1516		N/A		Barker Farm	Leeds	Androscoggin	Barker Road	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains high degree of integrity	Mid 19th century farmstead with pastures, farmland, and multiple outbuildings; recommended preliminarily eligible.	Pending	Intensive Survey	4912909.543	409328.8832	Not Determined	Point	NA	Not Determined - Further Study
1268	39001	1576		491-0070	1		Wiscasset	Lincoln	556 Birch Point Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Demolished	MHPC previously determined this resource was Not Eligible. During the reconnaissance survey, SEARCH confirmed the resource has been demolished, and therefore recommends this resource remains Not Eligible.	None	No Further Survey	4868160.645	443956.0936	Not Eligible	Point	NA	Not Eligible
752	91953	1518		N/A		Bailey Hill Dairy Farm	Farmington	Franklin	639 Bailey Hill Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	This resource retains most aspects of integrity	137 acre farmstead owned by Shirley E Bailey. Potentially eligible for associations with settlement/development and agriculture; with Oliver Bailey, an early settler of area in 1788; and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4947542.115	412863.6726	Not Determined	Point	NA	Not Determined - Further Study
744	91993	1519		N/A		Fred Hardy Farm	New Sharon	Franklin	879 Weeks Mills Rd	Preliminarily Eligible	No	Not Eligible	A: Agriculture/farming; B: Person; C: Architecture	Retains most aspects of integrity	Fred Hardy Farm on 180 acres (3 parcels), historically a dairy farm. Potentially eligible for associations with agriculture and commerce; locally important citizen; and architecture. Recommended NRHP preliminarily eligible.	Direct	Intensive Survey	4949486.186	414253.3647	Not Determined	Point	NA	Not Determined - Further Study
1226	92035	1520		N/A			Farmington	Franklin	293 Farmington Falls Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains modest integrity	mid 19th century house with 20th century barns and silos on 86 acres, part of Sandy River Farms. Potentially eligible at local or regional level for agricultural history, and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4945044.694	409973.9646	Not Determined	Point	NA	Not Determined - Further Study
1291	63361	1521		N/A			Whitefield	Lincoln	136 Pittston Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th farmstead with relocated house. Prior survey completed November 2008, not reviewed by MHPC. Based on this reconnaissance survey, SEARCH determined the resource is not eligible for NRHP. recommended NRHP not eligible	Indirect	No Further Survey	4890674.815	449006.223	Not Eligible	Point	NA	Not Eligible
1294	63366	1522		N/A			Whitefield	Lincoln	136 Pittston Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	late 19th milk house. Prior survey completed November 2008, not reviewed by MHPC. Based on this reconnaissance survey, SEARCH determined the resource is not eligible for NRHP. recommended NRHP not eligible	Indirect	No Further Survey	4890735.566	448971.8288	Not Eligible	Point	NA	Not Eligible
1297	63367	1523		N/A			Whitefield	Lincoln	185 Pittston Road	Not Eligible	No	Not Eligible	N/A: Not architecturally significant; low likelihood for historical significance	Retains most aspects of integrity	1825-1830 central hall, connected farmhouse. Prior survey completed November 2008, not reviewed by MHPC. Based on this reconnaissance survey, SEARCH determined the resource is not eligible for NRHP. recommended NRHP not eligible	Indirect	No Further Survey	4890718.414	448552.077	Not Eligible	Point	NA	Not Eligible
1248	92241	1524		N/A			Farmington	Franklin	414 Farmington Falls Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	This resource retains most aspects of integrity	1830s-1900s connected farmstead o and additional house on 270 acres; potentially eligible for association with agriculture and commerce, and architecture. Recommended NRHP preliminarily eligible.	Indirect	Intensive Survey	4944959.254	410983.2378	Not Determined	Point	NA	Not Determined - Further Study

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1273	38224	1502		491-0071	1		Wiscasset	Lincoln	526 Birch Point Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains modest integrity	mid 19th c. vernacular residence. MHPC determined not eligible in January 2011, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Direct	No Further Survey	4868465.742	444057.6091	Not Eligible	Point	NA	Not Eligible
1279	38427	1487		491-0072	1		Wiscasset	Lincoln	366 Birch Point Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	1825-1850 Cape. MHPC determined not eligible in January 2011, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Indirect	No Further Survey	4869367.748	444742.1899	Not Eligible	Point	NA	Not Eligible
1144	92537	1527		N/A			Durham	Androscoggin	19 Stackpole Road	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains high degree of integrity	Mid 19th century farmstead with pastures, farmland, and multiple outbuildings; recommended preliminarily eligible.	Direct	Intensive Survey	4873713.643	406129.6041	Not Determined	Point	NA	Not Determined - Further Study
648	92565	1529		N/A			Durham	Androscoggin	117 Royalsborough Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains modest amount of integrity	Mid 19th century farmstead with large pastures; recommended preliminarily eligible.	Indirect	Intensive Survey	4874624.699	406073.9671	Not Determined	Point	NA	Not Determined - Further Study
654	92569	1530		N/A		Stukas Farms	Lewiston	Androscoggin	144 Ferry Rd	Preliminarily Eligible	No	Not Eligible	A: agriculture/farming; C: architecture	Retains high degree of integrity	Mid 19th century farmstead with large orchard; recommended preliminarily eligible.	Direct	Intensive Survey	4878270.85	406710.9873	Not Determined	Point	NA	Not Determined - Further Study
1280	38429	1488		491-0072a	1		Wiscasset	Lincoln	366 Birch Point Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	Late 19th c. barn. MHPC determined not eligible in January 2011, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Indirect	No Further Survey	4869297.567	444732.7115	Not Eligible	Point	NA	Not Eligible
1281	38426	1491		491-0072hfs	1		Wiscasset	Lincoln	366 Birch Point Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	1825-1860 farmstead. MHPC determined not eligible in January 2011, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Indirect	No Further Survey	4869212.552	444884.3502	Not Eligible	Point	NA	Not Eligible
1283	38446	1484		491-0073	1		Wiscasset	Lincoln	318 Birch Point Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	c. 1850 Italianate side hall residence. MHPC determined not eligible in January 2011, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Indirect	No Further Survey	4869769.353	444860.3961	Not Eligible	Point	NA	Not Eligible
698	91710	1537		N/A			Livermore Falls	Androscoggin	Haines Corner Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early twentieth century farmstead; recommended NRHP not eligible	Indirect	No Further Survey	4919415.606	409071.2975	Not Eligible	Point	NA	Not Eligible
1155	93476	1537		N/A			Livermore Falls	Androscoggin	Haines Corner Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early twentieth century farmstead; recommended NRHP not eligible	Indirect	No Further Survey	4919448.639	409164.7772	Not Eligible	Point	NA	Not Eligible
699	91718	1538		N/A			Livermore Falls	Androscoggin	248 Stream Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Does not retain sufficient integrity.	Mid-twentieth century residence; recommended NRHP not eligible	Indirect	No Further Survey	4919395.734	409089.363	Not Eligible	Point	NA	Not Eligible
420	90431	1540		N/A			Moscow	Somerset	916 College Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	extensively modified mid 19th century vernacular residence. MHPC determined not eligible in September 2009, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Indirect	No Further Survey	4992696.157	430805.6748	Not Eligible	Point	NA	Not Eligible
1287	38454	1475		491-0074	1		Wiscasset	Lincoln	288 Birch Point Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	c. 1910 vernacular residence. MHPC determined not eligible in January 2015, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Indirect	No Further Survey	4869892.448	444977.8207	Not Eligible	Point	NA	Not Eligible
1278	38425	1489		491-0389	1		Wiscasset	Lincoln	34 Westport Bridge Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	Early 20th century residence. MHPC determined not eligible in January 2011, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Indirect	No Further Survey	4869005.838	444796.3902	Not Eligible	Point	NA	Not Eligible
1269	39002	1490		491-0390	1		Wiscasset	Lincoln	34 Westport Bridge Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	1960s garage. MHPC determined not eligible in January 2011, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Indirect	No Further Survey	4868999.489	444822.5305	Not Eligible	Point	NA	Not Eligible
1282	38442	1486		491-0391	1		Wiscasset	Lincoln	360 Birch Point Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	c. 1900 vernacular residence. MHPC determined not eligible in January 2011, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Indirect	No Further Survey	4869401.384	444758.3324	Not Eligible	Point	NA	Not Eligible
1270	39003	1485		491-0392	1		Wiscasset	Lincoln	360 Birch Point Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	1920s-1940s garage. MHPC determined not eligible in January 2011, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Indirect	No Further Survey	4869419.403	444757.7327	Not Eligible	Point	NA	Not Eligible
1289	38450	1481		491-0393	1		Wiscasset	Lincoln	86 Two Bridge Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains most aspects of integrity	Early 19th c. barn. MHPC determined not eligible in January 2011, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Direct	No Further Survey	4869577.622	444368.1726	Not Eligible	Point	NA	Not Eligible
1286	38453	1480		491-0393a	1		Wiscasset	Lincoln	86 Two Bridge Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains most aspects of integrity	c. 1805 side hall. MHPC determined not eligible in January 2011, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Direct	No Further Survey	4869631.489	444355.9899	Not Eligible	Point	NA	Not Eligible

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1290	51281	1465		491-0406	1		Wiscasset	Lincoln	353 Old Bath Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains most aspects of integrity	Mid 20th century minimal traditional. MHPC determined not eligible in December 2010, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible	Direct	No Further Survey	4870805.957	443616.7617	Not Eligible	Point	NA	Not Eligible
1486	83745	1447		491-0408	1	Leslie Farm	Wiscasset	Lincoln	48 Dickinson Road	Eligible	No	Not Eligible	C: Architecture	Eligible	Leslie Farm, stone house built 1850. MHPC determined eligible in June 2016, and based on this reconnaissance survey, SEARCH concurs it is NRHP eligible.	Direct	Finding of Effects	4874613.679	445006.2029	Eligible	Point	NA	Listed/Eligible - Further Study
1487	83748	1448		491-0408a	1	Leslie Farm	Wiscasset	Lincoln	48 Dickinson road	Eligible	No	Not Eligible	C: Architecture	Eligible	Leslie Farm, barn/wagon shed built 1880-1920. MHPC determined eligible in June 2016, and based on this reconnaissance survey, SEARCH concurs it is NRHP eligible.	Direct	Finding of Effects	4874581.99	444968.9419	Eligible	Point	NA	Listed/Eligible - Further Study
1485	83742	1449		491-0408hfs	1	Leslie Farm	Wiscasset	Lincoln	48 Dickinson road	Eligible	No	Not Eligible	C: Architecture	Eligible	Leslie Farm, farmstead with rare stone house (tavern). MHPC determined eligible in June 2016, and based on this reconnaissance survey, SEARCH concurs it is NRHP eligible.	Direct	Finding of Effects	4874657.098	444925.0592	Eligible	Point	NA	Listed/Eligible - Further Study
1467	84776	1471		491-0454	1	Wiscasset Motor Lodge	Wiscasset	Lincoln	596 Bath Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	1960s motor lodge/motel . MHPC determined not eligible in November 2016, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Indirect	No Further Survey	4869684.809	443392.0273	Not Eligible	Point	NA	Not Eligible
1468	84783	1472		491-0455	1	Wiscasset Motor Lodge	Wiscasset	Lincoln	596 Bath Road	Not Eligible	No	Not Eligible	N/A: Not historic, less than 50 years old	This resource retains modest integrity	1970s expansion at Wiscasset motor Lodge. MHPC determined not eligible in November 2016, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Indirect	No Further Survey	4869705.294	443437.0142	Not Eligible	Point	NA	Not Eligible
1469	84786	1470		491-0456	1	North of the Border	Wiscasset	Lincoln	605 Bath Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	Early 19th c. relocated. MHPC determined not eligible in November 2016, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Indirect	No Further Survey	4869624.781	443251.257	Not Eligible	Point	NA	Not Eligible
1470	84781	1469		491-0457	1	North of the Border	Wiscasset	Lincoln	605 Bath Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	A relocated c. 1900 outbuilding converted to commercial use. MHPC determined not eligible in November 2016, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Indirect	No Further Survey	4869637.35	443265.8029	Not Eligible	Point	NA	Not Eligible
1471	84782	1468		491-0458	1	North of the Border	Wiscasset	Lincoln	605 Bath Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource lacks sufficient integrity for NRHP eligibility consideration	A relocated late 19th c. barn converted to commercial use. MHPC determined not eligible in November 2016, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible. No further survey recommended.	Indirect	No Further Survey	4869691.338	443290.2427	Not Eligible	Point	NA	Not Eligible
1311	71098	1558		495-0006	1	MHPC # 495-0006	Woolwich	Sagadahoc	568 Mountain Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	c. 1900-1910 vernacular residence. MHPC determined not eligible in January 2014, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Indirect	No Further Survey	4872072.643	442897.8043	Not Eligible	Point	NA	Not Eligible
82	65378	1262		534-0003	1		Concord Twp	Somerset	5 Jackson Pond Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains most aspects of integrity	c. 1860s vernacular residence. MHPC determined not eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Indirect	No Further Survey	4986982.142	430917.2675	Not Eligible	Point	NA	Not Eligible
83	65381	1268		534-0003a	1		Concord Twp	Somerset	5 Jackson Pond Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	c. 1940 garage. MHPC determined not eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Indirect	No Further Survey	4986954.858	430903.5849	Not Eligible	Point	NA	Not Eligible
375	93440	1559		N/A			Anson	Somerset	27 Hilton Hill Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	1830s-1840s Cape	Direct	No Further Survey	4960197.8	427682.8685	Not Eligible	Point	NA	Not Eligible
376	93445	1560		N/A			Anson	Somerset	27 Hilton Hill Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	1840S-1860s Barn	Direct	No Further Survey	4960217.632	427689.7197	Not Eligible	Point	NA	Not Eligible
377	93449	1561		N/A			Anson	Somerset	27 Hilton Hill Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	1900-1940 barn	Direct	No Further Survey	4960232.416	427707.0278	Not Eligible	Point	NA	Not Eligible
374	93439	1562		N/A			Anson	Somerset	27 Hilton Hill Rd	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	1830s-present farmstead	Direct	No Further Survey	4960191.67	427753.5433	Not Eligible	Point	NA	Not Eligible
889	93979	1565		N/A			Jay	Franklin	236 Chesterville Road	Preliminarily Eligible	No	Not Eligible	A: Agriculture, settlement/development; C: Architecture	Retains most aspects of integrity	1910-1920s Cape with attached barn. Connected farmhouse on 12 acres. Potentially eligible at local level. Recommended NRHP preliminarily eligible.	Pending	Intensive Survey	4928317.929	406805.6514	Not Determined	Point	NA	Not Determined - Further Study
894	94000	1566		N/A		Centerpeace Farm	Jay	Franklin	7 Coopers Mill Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	early 19th century farmstead. MHPC determined not eligible in June 2009, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Pending	No Further Survey	4937069.44	408256.2213	Not Eligible	Point	NA	Not Eligible
84	65382	1264		534-0003b	1		Concord Twp	Somerset	5 Jackson Pond Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains minimal integrity	c. 1920 ceramic tile silo. MHPC determined not eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Indirect	No Further Survey	4986957.725	430925.9724	Not Eligible	Point	NA	Not Eligible

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OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
81	65383	1265		534-0003c	1		Concord Twp	Somerset	5 Jackson Pond Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	c. 1900 barn. MHPC determined not eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Indirect	No Further Survey	4986947.867	430919.0488	Not Eligible	Point	NA	Not Eligible
78	65377	1545		534-0003hfs	1		Concord Twp	Somerset	5 Jackson Pond Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains modest integrity	Connected farmhouse and farmstead 1830s-present. e. MHPC determined not eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Indirect	No Further Survey	4987003.284	430843.7523	Not Eligible	Point	NA	Not Eligible
85	65380	1263		534-0004	1		Concord Twp	Somerset	5 Jackson Pond Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains most aspects of integrity	c. 1860s workshop, attached to house. MHPC determined not eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Indirect	No Further Survey	4986968.519	430922.1346	Not Eligible	Point	NA	Not Eligible
79	65384	1266		534-0005	1		Concord Twp	Somerset	5 Jackson Pond Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	c. 1860s barn. MHPC determined not eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Indirect	No Further Survey	4986909.576	430950.6119	Not Eligible	Point	NA	Not Eligible
80	65385	1267		534-0006	1		Concord Twp	Somerset	5 Jackson Pond Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	c. 1940 garage, equipment shed. MHPC determined not eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Indirect	No Further Survey	4986913.837	430960.0297	Not Eligible	Point	NA	Not Eligible
77	65376	1269		534-0007	1	Garfield School	Concord Twp	Somerset	Kennebec River Road/ RT 16, West side of St, Approx. 660 FT North of intersection with Jackson Pond*	Eligible		Not Eligible	A: Education; C: Architecture	This resource retains modest integrity	c. 1850 schoolhouse, relocated to current site. MHPC determined eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs it is NRHP eligible. Recommended NRHP preliminarily eligible.	Indirect	Finding of Effects	4987150.964	430926.011	Eligible	Point	Arnold Trail to Quebec Historic District	Listed/Eligible - Further Study
75	65083	1270		534-0008	1		Concord Twp	Somerset	2395 Kennebec River Road/ Route 16	Not Eligible		Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains modest integrity	c. 1840 Greek Revival influenced residence. MHPC determined not eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Indirect	No Further Survey	4987431.851	430873.7615	Not Eligible	Point	Arnold Trail to Quebec Historic District	Not Eligible
76	65141	1271		534-0008a	1		Concord Twp	Somerset	2395 Kennebec River Road/ Route 16	Not Eligible		Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains most aspects of integrity	Early 20th century barn. MHPC determined not eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Indirect	No Further Survey	4987468.407	430896.0067	Not Eligible	Point	Arnold Trail to Quebec Historic District	Not Eligible
74	65061	1544		534-0008hfs	1	W. Howes Farm (1883) /Long Furrow Farm	Concord Twp	Somerset	259 Kennebec River Road/Route 16	Not Eligible		Not Eligible	A: Agriculture/farming development; C: Architecture	This resource retains all aspects of integrity	1880s-1950s connected farmhouse right on river. MHPC determined eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs it is NRHP eligible.	Indirect	Finding of Effects	4987432.102	430910.9836	Eligible	Point	Arnold Trail to Quebec Historic District	Listed/Eligible - Further Study
72	65001	1273		534-0009	1		Concord Twp	Somerset	2427 Kennebec River Road/ Route 16	Not Eligible		Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains most aspects of integrity	1820s Cape. MHPC determined not eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Indirect	No Further Survey	4987665.159	430862.7328	Not Eligible	Point	Arnold Trail to Quebec Historic District	Not Eligible
73	65021	1274		534-0009a	1		Concord Twp	Somerset	2427 Kennebec River Road/ Route 16	Not Eligible		Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains most aspects of integrity	1820s detached barn. MHPC determined not eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Indirect	No Further Survey	4987674.314	430895.6906	Not Eligible	Point	Arnold Trail to Quebec Historic District	Not Eligible
71	64982	1545		534-0009hfs	1		Concord Twp	Somerset	5 Jackson Pond Road	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	Retains modest integrity	Connected farmhouse and farmstead 1830s-present. e. MHPC determined not eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Indirect	No Further Survey	4987656.944	430836.0553	Not Eligible	Point	NA	Not Eligible
70	64961	1275		534-0010	1	CASSIDY CEMETERY	Concord Twp	Somerset	Kennebec River Rd	Not Eligible	No	Not Eligible	N/A: Lacks sufficient historical and architectural associations.	Less than 50 years old.	Following fieldwork, this building was confirmed to be less than 50 years old. Therefore it does not meet the age criteria for NRHP eligibility, and is therefore recommended NRHP not eligible or for NRHP eligibility.	Indirect	No Further Survey	4987661.858	430759.7989	Not Eligible	Point	NA	Not Eligible
69	64917	1278		534-0011	1		Concord Twp	Somerset	2556 Kennebec River Road/Route 16	Not Eligible	No	Not Eligible	N/A: This resource lacks architectural and historical significance	This resource retains most aspects of integrity	1940s vernacular residence. MHPC determined not eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs that this resource remains not eligible; recommended NRHP not eligible	Direct	No Further Survey	4988605.509	430377.1788	Not Eligible	Point	NA	Not Eligible
66	64907	1279		534-0012	1		Concord Twp	Somerset	259 Kennebec River Road/Route 16	Eligible		Not Eligible	A: Agriculture/farming development; C: Architecture	This resource retains most aspects of integrity	1880s connected farmhouse. MHPC determined eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs it is NRHP eligible.	Indirect	Finding of Effects	4988798.732	430350.1314	Eligible	Point	Arnold Trail to Quebec Historic District	Listed/Eligible - Further Study
68	64914	1281		534-0012a	1		Concord Twp	Somerset	259 Kennebec River Road/Route 16	Eligible		Not Eligible	A: Agriculture/farming development; C: Architecture	This resource retains most aspects of integrity	1880s barn, connected farmhouse. MHPC determined eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs it is NRHP eligible.	Indirect	Finding of Effects	4988784.198	430359.2768	Eligible	Point	Arnold Trail to Quebec Historic District	Listed/Eligible - Further Study
65	64906	1544		534-0012hfs	1		Concord Twp	Somerset	259 Kennebec River Road/Route 16	Eligible		Not Eligible	A: Agriculture/farming development; C: Architecture	This resource retains all aspects of integrity	1880s-1950s connected farmhouse right on river. MHPC determined eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs it is NRHP eligible.	Indirect	Finding of Effects	4988756.144	430376.33	Eligible	Point	Arnold Trail to Quebec Historic District	Listed/Eligible - Further Study

Table 1

OBJECTID	Form ID	Survey Map Number	NRHP ID	MHPC Inventory	Count	Name	Town	County	Address	Individual NR Eligibility	In District	NR Eligibility as part of a District	CRITERIA	INTEGRITY	NOTES	Project Effects	Recommendation	North	East	NRHP Counts	Geometry	Historic District	Map Symbol
67	64912	1280		534-0013	1		Concord Twp	Somerset	259 Kennebec River Road/Route 16	Eligible		Not Eligible	A: Agriculture/farming development; C: Architecture	This resource retains most aspects of integrity	1880s small barn/shed of connected farmhouse. MHPC determined eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs it is NRHP eligible.	Indirect	Finding of Effects	4988790.915	430355.7287	Eligible	Point	Arnold Trail to Quebec Historic District	Listed/Eligible - Further Study
1496	71787	1591		N/A			Lewiston	Androscoggin	N/A	Preliminarily Eligible	No	Preliminarily Eligible	NA: Not located	Unknown	Not located during field survey; recommended preliminarily eligible to identify this resource.	Indirect	Intensive Survey	4883695.798	409272.5898	Not Determined	Point	NA	Not Determined - Further Study
64	64904	1283		534-0014	1	USGS Stream Gaging Station	Concord Twp	Somerset	Kennebec River Road/Route 16, East side of St, Approx. 150 Feet South of jct with Bridge Street	Not Eligible		Not Eligible	N/A: Not unique or rare resource type	This resource retains all aspects of integrity	1940, USGS stream gaging station. MHPC determined not eligible in October 2013, and based on this reconnaissance survey, SEARCH concurs it is NRHP ineligible.	Direct	No Further Survey	4989095.875	430193.3808	Not Eligible	Point	Arnold Trail to Quebec Historic District	Not Eligible
63	64892	199		534-0015	1		Concord Twp.	Somerset	BRIDGE STREET/ROUTE 16 OVER KENNEBEC RIVER	Not Eligible	Bingham Village Historic District	Preliminarily Eligible	A: Association with the early development of Bingham Village Historic District	Retains most aspects of integrity	This resource was previously determined Not Individually Eligible by MPHC. Based on the reconnaissance level survey, SEARCH concurs with this recommendation. However, the resource is included within the Bingham Village Historic District and is recommended preliminarily eligible as part of the district.	Indirect	Intensive Survey	4989148.489	430233.1187	Not Determined	Point	Arnold Trail to Quebec Historic District	Not Determined - Further Study
		66		N/A		Appalachian National Scenic Trail Historic District	Multi	Multi	N/A	N/A	N/A	Preliminarily Eligible	A: outdoor recreation	Retains most aspects of integrity	Appalachian Trail; this resource retains a high degree of historic significance and is recommended preliminarily eligible and NRHP eligibility.	Direct	Finding of Effects			Not Determined	Line	Yes	Not Determined - Further Study
618	71164	258		n/a		North Pownal Village	Pownal	Cumberland	Intersection of Fickett Road, Poland Range Road, and Auburn Road.	Preliminarily Eligible	North Pownal Village Historic District	Preliminarily Eligible	A: Association with the development of North Pownal Village C: Architecture	Retains most aspects of integrity	This resource was previously surveyed, but a determination of eligibility was not made by MHPC. It is recommended preliminarily eligible as part of the North Pownal Village Historic District.	Direct	Intensive Survey	4865556.891	404283.7694	Not Determined	Point	Pownal Village Historic District	Not Determined - Further Study
		1592		N/A		Bingham Village Historic District	Bingham		N/A	N/A	N/A	Preliminarily Eligible	A: Early settlement and development; commerce; paper industry in the 19th and 20th centuries; C: Architecture	Buildings retain varying degrees of integrity	The Bingham Village Historic District is preliminarily NRHP eligible under Criterion A and C.	Indirect	Intensive Survey			Not Determined	Polygon	Yes	Not Determined - Further Study
		1593		N/A		Lake Moxie/Troutdale/Bakers Station Historic District	Multi	Somerset	N/A	N/A	N/A	Preliminarily Eligible	A: Tourism; outdoor recreation; C: Architecture	Buildings retain varying degrees of integrity	The Lake Moxie/Troutdale/Baker's Station Historic District is preliminarily NRHP eligible under Criterion A and C. Further intensive survey is recommended.	Direct	Intensive Survey			Not Determined	Polygon	Yes	Not Determined - Further Study
		1594		N/A		North Pownal Village Historic District	Pownal		N/A	N/A	N/A	Preliminarily Eligible	A: Early settlement and development, industry; C: Architecture	The buildings retain a high degree of integrity.	The North Pownal Village Historic District is preliminarily NRHP eligible under criterion A and C. It is Recommended preliminarily NRHP eligible	Indirect	Intensive Survey			Not Determined	Polygon	Yes	Not Determined - Further Study
		1595		N/A		St. Denis Historic District	Whitefield	Lincoln	N/A	N/A	N/A	Preliminarily Eligible	A: Settlement, Social History and Religion; B; C: Architecture	Buildings retain a high degree of integrity	The St. Denis Historic District is preliminarily NRHP eligible under Criterion A, B, and C. Further intensive survey is recommended.	Indirect	Intensive Survey			Not Determined	Polygon	Yes	Not Determined - Further Study

Table 1

Table 2

SEARCH Survey Map ID	MHPC Inventory ID	Update Survey Form in CARMA	MHPC Survey Form type	Property Name	Address	Town	County	NRHP Status
71	293-0062	No	HBSS_FORM	Over-the-Horizon Backscatter Radar Transmitter Site	Northern terminus of Stream Road	Moscow	Somerset	Eligible
73	293-0061	No	HBSS_FORM	Bridge No. 3920	Stream Road over Chase Stream. Approx 1800 FT north of intersection with Beaudoin Road	Moscow	Somerset	Not Eligible
75	293-0060	No	HBSS_FORM	N/A	321 Stream Road	Moscow	Somerset	Not Eligible
76	293-0060hfs	Yes	FARM_FORM	N/A	321 Stream Road	Moscow	Somerset	Not Eligible
77	293-0059hfs	Yes	FARM_FORM	N/A	310 Stream Road	Moscow	Somerset	Not Eligible
79	293-0059d	No	HBSS_FORM	N/A	310 Stream Road	Moscow	Somerset	Not Eligible
80	293-0059b	No	BARN_FORM	N/A	310 Stream Road	Moscow	Somerset	Not Eligible
81	293-0059c	No	BARN_FORM	N/A	310 Stream Road	Moscow	Somerset	Not Eligible
84	293-0058a	No	BARN_FORM	N/A	300 Stream Road	Moscow	Somerset	Not Eligible
92	293-0057	No	HBSS_FORM	Bridge No. 5531	Stream Road Over Mink Brook, 70 Feet North of the intersection with Burns Road	Moscow	Somerset	Not Eligible
93	293-0056	No	HBSS_FORM	N/A	3 Burns Road	Moscow	Somerset	Not Eligible
94	293-0055	No	HBSS_FORM	Bridge No. 5678	Stream Road Over Austin Stream	Moscow	Somerset	Not Eligible
96	293-0063A	No	BARN_FORM	N/A	114 Stream Road	Moscow	Somerset	Not Eligible
97	293-0063	No	HBSS_FORM	N/A	114 Stream Road	Moscow	Somerset	Not Eligible
103	293-0036	No	HBSS_FORM	N/A	74 Howard Road	Moscow	Somerset	Not Eligible
104	293-0037	No	HBSS_FORM	N/A	74 Howard Road	Moscow	Somerset	Not Eligible
107	293-0050	No	HBSS_FORM	Union Cemetery	Cemetery Road	Moscow	Somerset	Not Eligible
112	042-0156	No	HBSS_FORM	N/A	31 Baker Street	Bingham	Somerset	Eligible
113	042-0157	No	HBSS_FORM	N/A	35 Baker Street	Bingham	Somerset	Eligible
114	042-0158	No	HBSS_FORM	N/A	37 Baker Street	Bingham	Somerset	Eligible
115	042-0159	No	HBSS_FORM	N/A	36 Baker Street	Bingham	Somerset	Eligible
116	042-0160	No	HBSS_FORM	N/A	34 Baker Street	Bingham	Somerset	Eligible
117	042-0122	No	HBSS_FORM	N/A	17 River Street	Bingham	Somerset	Eligible
118	042-0121	No	HBSS_FORM	N/A	19 River Street	Bingham	Somerset	Eligible
119	042-0120	No	HBSS_FORM	N/A	21 River Street	Bingham	Somerset	Eligible
120	042-0119	No	HBSS_FORM	N/A	27 River Street	Bingham	Somerset	Eligible
121	042-0118	No	HBSS_FORM	N/A	28 River Street	Bingham	Somerset	Eligible
122	042-0117	No	HBSS_FORM	N/A	30 River Street	Bingham	Somerset	Eligible
123	042-0116	No	HBSS_FORM	N/A	20 River Street	Bingham	Somerset	Eligible
124	042-0115	No	HBSS_FORM	N/A	18 River Street	Bingham	Somerset	Eligible
125	042-0114	No	HBSS_FORM	N/A	14 River Street	Bingham	Somerset	Eligible
126	042-0082	No	HBSS_FORM	N/A	300 Main Street/Route 201	Bingham	Somerset	Eligible
127	042-0082a	No	BARN_FORM	N/A	300 Main Street/Route 201	Bingham	Somerset	Eligible
128	042-0081	No	HBSS_FORM	N/A	17 Dinsmore Street	Bingham	Somerset	Eligible
129	042-0080	No	HBSS_FORM	N/A	23 Dinsmore Street	Bingham	Somerset	Eligible
130	042-0079	No	HBSS_FORM	N/A	25 Dinsmore Street	Bingham	Somerset	Eligible
131	042-0078	No	HBSS_FORM	N/A	20 Dinsmore Street	Bingham	Somerset	Eligible
132	042-0077	No	HBSS_FORM	N/A	18 Dinsmore Street	Bingham	Somerset	Eligible
133	042-0075	No	HBSS_FORM	Bingham Union Library	297 Main Street	Bingham	Somerset	Eligible

Table 2

SEARCH Survey Map ID	MHPC Inventory ID	Update Survey Form in CARMA	MHPC Survey Form type	Property Name	Address	Town	County	NRHP Status
134	042-0074a	No	BARN_FORM	N/A	295 Main Street/Route 201	Bingham	Somerset	Eligible
135	042-0073	No	HBSS_FORM	N/A	291 Main Street/Route 201	Bingham	Somerset	Eligible
137	042-0072	No	HBSS_FORM	N/A	289 Main Street/Route 201	Bingham	Somerset	Eligible
138	042-0076	No	HBSS_FORM	N/A	286 Main Street/Route 201	Bingham	Somerset	Eligible
139	042-0070	No	HBSS_FORM	N/A	18 Rollins Street	Bingham	Somerset	Eligible
140	042-0071	No	HBSS_FORM	N/A	15 Rollins Street	Bingham	Somerset	Eligible
141	042-0054	No	HBSS_FORM	N/A	279 Main Street/Route 201	Bingham	Somerset	Eligible
142	042-0055A	No	BARN_FORM	N/A	277 Main Street/Route 201	Bingham	Somerset	Eligible
143	042-0053	No	HBSS_FORM	N/A	136 Lander Street	Bingham	Somerset	Eligible
144	042-0052	No	HBSS_FORM	N/A	114-116 Lander Street	Bingham	Somerset	Eligible
145	042-0056	No	HBSS_FORM	N/A	269 Main Street/Route 201	Bingham	Somerset	Eligible
146	042-0050	No	HBSS_FORM	N/A	268 Main Street/ Route 201	Bingham	Somerset	Eligible
147	042-0049	No	HBSS_FORM	N/A	266 Main Street/ Route 201	Bingham	Somerset	Eligible
149	042-0048a	No	BARN_FORM	N/A	262 Main Street/Route 201	Bingham	Somerset	Eligible
150	042-0047a	No	BARN_FORM	N/A	258 Main Street/Route 201	Bingham	Somerset	Eligible
151	042-0046a	No	BARN_FORM	N/A	256 Main Street/Route 201	Bingham	Somerset	Eligible
152	042-0045	No	HBSS_FORM	N/A	252 Main Street/Route 201	Bingham	Somerset	Eligible
153	042-0057	No	HBSS_FORM	N/A	261 Main Street/Route 201	Bingham	Somerset	Eligible
154	042-0058	Yes (address)	HBSS_FORM	N/A	259 Main Street/Route 201	Bingham	Somerset	Eligible
155	042-0059	No	HBSS_FORM	N/A	6 Owens Street	Bingham	Somerset	Eligible
156	042-0060a	No	BARN_FORM	N/A	10 Owens Street	Bingham	Somerset	Eligible
157	042-0060	No	HBSS_FORM	N/A	10 Owens Street	Bingham	Somerset	Eligible
158	042-0061	No	HBSS_FORM	N/A	16 Owens Street	Bingham	Somerset	Eligible
159	042-0062	No	HBSS_FORM	N/A	20 Owens Street	Bingham	Somerset	Eligible
160	042-0063	No	HBSS_FORM	N/A	29 Owens Street	Bingham	Somerset	Eligible
161	042-0044	No	HBSS_FORM	N/A	251 Main Street/ Route 201	Bingham	Somerset	Eligible
162	042-0043	No	HBSS_FORM	N/A	249 Main Street/Route 201	Bingham	Somerset	Eligible
163	042-0042a	No	BARN_FORM	N/A	244 Main Street/Route 201	Bingham	Somerset	Eligible
164	042-0018	No	HBSS_FORM	Bingham Free Meeting House	Old Church Road at Main Street/Route 201	Bingham	Somerset	Listed
165	042-0041	No	HBSS_FORM	N/A	9 Old Church Road	Bingham	Somerset	Eligible
166	042-0041a	No	BARN_FORM	N/A	9 Old Church Road	Bingham	Somerset	Eligible
167	042-0018	No	HBSS_FORM	N/A	16 Old Church Road	Bingham	Somerset	Eligible
168	042-0008	No	HBSS_FORM	N/A	227 River Road/Route 201	Bingham	Somerset	Eligible
169	042-0008a	No	BARN_FORM	N/A	227 River Road/Route 201	Bingham	Somerset	Eligible
170	042-0203	No	HBSS_FORM	N/A	223 Main Street/Route 201	Bingham	Somerset	Eligible
171	042-0202a	No	BARN_FORM	N/A	219 Main Street/Route 201	Bingham	Somerset	Eligible
172	042-0202	No	HBSS_FORM	N/A	219 Main Street/Route 201	Bingham	Somerset	Eligible
173	042-0050a	No	BARN_FORM	N/A	268 Main Street/ Route 201	Bingham	Somerset	Eligible
174	042-0048	No	HBSS_FORM	N/A	262 Main Street/Route 201	Bingham	Somerset	Eligible
175	042-0047	No	HBSS_FORM	N/A	258 Main Street/Route 201	Bingham	Somerset	Eligible
176	042-0046	No	HBSS_FORM	N/A	256 Main Street/Route 201	Bingham	Somerset	Eligible
177	042-0042	No	HBSS_FORM	N/A	244 Main Street/Route 201	Bingham	Somerset	Eligible
178	042-0055	No	HBSS_FORM	N/A	277 Main Street/Route 201	Bingham	Somerset	Eligible

Table 2

SEARCH Survey Map ID	MHPC Inventory ID	Update Survey Form in CARMA	MHPC Survey Form type	Property Name	Address	Town	County	NRHP Status
179	042-0073a	No	BARN_FORM	N/A	291 Main Street/Route 201	Bingham	Somerset	Eligible
180	042-0074	No	HBSS_FORM	N/A	295 Main Street/Route 201	Bingham	Somerset	Eligible
199	534-0015	No	HBSS_FORM	N/A	Bridge Street/Route 16 Over Kennebec River	Concord Twp	Somerset	Not Eligible
217	042-0017	No	HBSS_FORM	Bingham Town Cemetery	Main Street/Route 201, East side of Street, Approx.370 FT South OF Old Church Street	Bingham	Somerset	Not Eligible
228	042-0016	No	HBSS_FORM	Riverside Inn	172 River Road/Route 201	Bingham	Somerset	Eligible
249	358-0023	No	HBSS_FORM	N/A	Auburn Road, ¼-mile south of Poland Range Road	Pownal	Cumberland	Not Determined
250	358-0023a	No	BARN_FORM	N/A	Auburn Road, ¼-mile south of Poland Range Road	Pownal	Cumberland	Not Determined
251	358-0008	No	HBSS_FORM	Mike Stone House	East side of Lawrence Road, .14 miles south of Ficket Road	Pownal	Cumberland	Not Determined
252	358-0008a	Yes	BARN_FORM	M. Stone House, Barn	west side of Lawrence Road, .14 miles south of Ficket Road	Pownal	Cumberland	Not Determined
253	358-0003	No	HBSS_FORM	North Pownal School	Lawrence Road at Poland Range road	Pownal	Cumberland	Not Determined
254	358-0004	No	HBSS_FORM	Methodist Church	Lawrence Road just north of intersection with Poland Range Rd	Pownal	Cumberland	Not Determined
255	358-0009	No	HBSS_FORM	Dr. Greenfield Pote Thompson House	East side of Lawrence Road, 340 feet south of Ficket Road	Pownal	Cumberland	Not Determined
256	358-0010a	No	BARN_FORM	N/A	East side of Lawrence Road, 230 feet south of Fickett Road	Pownal	Cumberland	Not Determined
257	358-0010	No	HBSS_FORM	N/A	East side of Lawrence Road, 230 feet south of Fickett Road	Pownal	Cumberland	Not Determined
258	n/a	No	HBSS_FORM	North Pownal Village	Intersection of Fickett Road, Poland Range Road, and Auburn Road.	Pownal	Cumberland	Not Determined
259	358-0005	No	HBSS_FORM	N. Pownal Community Center	E. side of Lawrence Rd, 215 feet south of Ficket Road	Pownal	Cumberland	Not Determined
260	358-0006	Yes	HBSS_FORM	Phelps House	West side of Lawrence Road, 150 feet south of Fickett Road	Pownal	Cumberland	Not Determined
261	358-0006a	No	BARN_FORM	Phelps House	West side of Lawrence Road, 150 feet south of Fickett Road	Pownal	Cumberland	Not Determined
262	358-0007	No	HBSS_FORM	Shop/shed/garage	South east corner of Lawrence and Ficket Roads	Pownal	Cumberland	Not Determined
263	358-0011	No	HBSS_FORM	Shop/Store	southwest corner of Lawrence Road and Fickett Road	Pownal	Cumberland	Not Determined
264	358-0015	No	HBSS_FORM	N/A	North side of Fickett Road, 230 feet west of intersection with Val Hall Rd	Pownal	Cumberland	Not Determined
265	358-0016	Yes	HBSS_FORM	Fire Barn	N. side of Fickett Road, 120 feet west of intersection with Val Hall Road	Pownal	Cumberland	Not Determined
266	358-0017	No	HBSS_FORM	North Pownal General Store	Northwest corner of Fickett and Val Hall Roads	Pownal	Cumberland	Not Determined

Table 2

SEARCH Survey Map ID	MHPC Inventory ID	Update Survey Form in CARMA	MHPC Survey Form type	Property Name	Address	Town	County	NRHP Status
267	358-0018	No	HBSS_FORM	N/A	Northeast corner of Fickett Road and Val Hall Road	Pownal	Cumberland	Not Determined
268	358-0018a	No	BARN_FORM	N/A	Northeast corner of Fickett and Val Hall Roads	Pownal	Cumberland	Not Determined
269	358-0018b	No	BARN_FORM	N/A	Southeast corner of Fickett and Val Hall Road	Pownal	Cumberland	Not Determined
270	358-0014	No	HBSS_FORM	N/A	N. side of Fickett Road, .13 miles west of intersection of Val Hall Road	Pownal	Cumberland	Not Determined
271	358-0014a	No	BARN_FORM	N/A	North side of Fickett Road, .13 miles west of intersection with Val Hall Rd.	Pownal	Cumberland	Not Determined
272	358-0013	No	HBSS_FORM	N/A	N. side of Fickett Road, .2 miles west of intersection with Val Hall Road	Pownal	Cumberland	Not Determined
273	358-0013a	No	BARN_FORM	N/A	N. side of Fickett Road, .2 miles west of intersection with Val Hall Road	Pownal	Cumberland	Not Determined
274	358-0012a	No	BARN_FORM	N/A	South side of Fickett Road, .2 miles west of intersection with Val Hall Rd.	Pownal	Cumberland	Not Determined
275	358-0012	No	HBSS_FORM	N/A	South side of Ficket Rd, .2 miles west of intersection with Val Hall Rd	Pownal	Cumberland	Not Determined
323	020-0372	Yes (done)	HBSS_FORM	Union Cemetery	Riverside Drive	Auburn	Androscoggin	Not Eligible
324	020-0373	Yes (done)	HBSS_FORM	N/A	2279 Riverside Drive	Auburn	Androscoggin	Not Eligible
327	020-0214	No	HBSS_FORM	N/A	2209 Riverside Drive	Auburn	Androscoggin	Not Eligible
331	236-1040a	No	BARN_FORM	Hodgkin Farm	217 Ferry Road	Lewiston	Androscoggin	Not Eligible
332	236-1040	No	HBSS_FORM	Hodgkin Farm	217 Ferry Road	Lewiston	Androscoggin	Not Eligible
356	236-0345	No	HBSS_FORM	Clough Meeting House	32 South Lisbon Road	Lewiston	Androscoggin	Listed
360	236-1042	Yes (done)	HBSS_FORM	N/A	4 South Lisbon Road	Lewiston	Androscoggin	Not Eligible
363	236-1043	Yes (done)	HBSS_FORM	N/A	223 Old Lisbon Road	Lewiston	Androscoggin	Not Eligible
365	236-1035	No	HBSS_FORM	Maine Central Railroad - Lewiston Branch crossing	Gould Road, approx. 200 ft. south of turnpike	Lewiston	Androscoggin	Not Eligible
366	236-1032	No	HBSS_FORM	N/A	216-218 Old Lisbon Road	Lewiston	Androscoggin	Not Eligible
367	236-1033	No	HBSS_FORM	N/A	208 Old Lisbon Road	Lewiston	Androscoggin	Not Eligible
368	236-1034	No	HBSS_FORM	N/A	211 Old Lisbon Road	Lewiston	Androscoggin	Not Eligible
370	236-1037	No	HBSS_FORM	Old Lisbon Road Underpass - Bridge No. 101	Old Lisbon Road over Maine Turnpike	Lewiston	Androscoggin	Not Eligible
371	236-1039	No	HBSS_FORM	N/A	176 Old Lisbon Road	Lewiston	Androscoggin	Not Eligible
372	236-1041	Yes (done)	HBSS_FORM	N/A	1905 North Lisbon Road	Lewiston	Androscoggin	Not Eligible
387	236-1298	No	HBSS_FORM	N/A	374 Randall Road	Lewiston	Androscoggin	Eligible
417	236-1044	No	HBSS_FORM	N/A	1190 Sabattus Street	Lewiston	Androscoggin	Not Eligible
480	236-1307	No	HBSS_FORM	N/A	895 College Road	Lewiston	Androscoggin	Not Eligible
481	236-1306	No	HBSS_FORM	N/A	892 College Road	Lewiston	Androscoggin	Not Eligible
482	236-1309a	No	BARN_FORM	N/A	916 College Road	Lewiston	Androscoggin	Not Eligible
483	236-1309b	No	BARN_FORM	N/A	916 College Road	Lewiston	Androscoggin	Not Eligible
484	236-1310	No	HBSS_FORM	N/A	918 College Road	Lewiston	Androscoggin	Not Eligible

Table 2

SEARCH Survey Map ID	MHPC Inventory ID	Update Survey Form in CARMA	MHPC Survey Form type	Property Name	Address	Town	County	NRHP Status
487	236-1036	No	HBSS_FORM	Maine Central Railroad - Lewiston Branch		Lewiston	Androscoggin	Not Determined
490	236-1313	No	HBSS_FORM	N/A	40 Merrill Road	Lewiston	Androscoggin	Not Eligible
491	236-1313a	No	BARN_FORM	N/A	40 Merrill Road	Lewiston	Androscoggin	Not Eligible
493	236-0907a	No	BARN_FORM	N/A	165 Merrill Road	Lewiston	Androscoggin	Not Eligible
494	236-0907	Yes	HBSS_FORM	N/A	165 Merrill Road	Lewiston	Androscoggin	Not Eligible
495	236-0911	No	HBSS_FORM	N/A	1630 Main Street	Lewiston	Androscoggin	Not Eligible
499	236-0905	No	HBSS_FORM	N/A	10 Taylor Hill Road	Lewiston	Androscoggin	Not Eligible
501	236-0906	No	HBSS_FORM	N/A	60 Taylor Hill Road	Lewiston	Androscoggin	Not Eligible
502	236-0916	No	HBSS_FORM	N/A	1525 Main Street	Lewiston	Androscoggin	Not Eligible
503	236-0915	No	HBSS_FORM	N/A	1536 Main Street	Lewiston	Androscoggin	Not Eligible
504	236-0916a	No	BARN_FORM	N/A	1525 Main Street	Lewiston	Androscoggin	Not Eligible
505	236-0916b	No	BARN_FORM	N/A	1521 Main Street	Lewiston	Androscoggin	Not Eligible
506	236-0917	No	HBSS_FORM	N/A	1513 Main Street	Lewiston	Androscoggin	Not Eligible
507	236-0914	No	HBSS_FORM	N/A	1512 Main Street	Lewiston	Androscoggin	Not Eligible
508	236-0918	No	HBSS_FORM	N/A	1495 Main Street	Lewiston	Androscoggin	Not Eligible
510	236-0057	No	HBSS_FORM	Job Cole House	1200 Main Street	Lewiston	Androscoggin	Not Eligible
513	236-0919	No	HBSS_FORM	N/A	1155 Main Street	Lewiston	Androscoggin	Not Eligible
514	236-0920	No	HBSS_FORM	N/A	1153 Main Street	Lewiston	Androscoggin	Not Eligible
515	236-0922	No	HBSS_FORM	N/A	1133 Main Street	Lewiston	Androscoggin	Not Eligible
520	236-1291	No	HBSS_FORM	Jackson's Pine Cone Cabins	1101 Main Street (Route 202)	Lewiston	Androscoggin	Eligible
524	236-1031	No	HBSS_FORM	N/A	940 Main Street	Lewiston	Androscoggin	Not Eligible
525	236-1029	No	HBSS_FORM	Herrick Cemetery	934 Main Street	Lewiston	Androscoggin	Not Eligible
526	236-1030	No	HBSS_FORM	N/A	937 Main Street	Lewiston	Androscoggin	Not Eligible
527	236-1030hfs	No	FARM_FORM	N/A	937 Main Street	Lewiston	Androscoggin	Not Eligible
528	236-1030a	No	BARN_FORM	N/A	937 Main Street	Lewiston	Androscoggin	Not Eligible
537	236-0913	No	HBSS_FORM	N/A	1623 Main Street	Lewiston	Androscoggin	Not Eligible
538	236-0910	No	HBSS_FORM	N/A	1648 Main Street	Lewiston	Androscoggin	Not Eligible
564	180-0029a	Yes (address)	BARN_FORM	N/A	308 US Route 202	Greene	Androscoggin	Eligible
565	180-0029	Yes (address)	HBSS_FORM	N/A	308 US Route 202	Greene	Androscoggin	Eligible
575	180-0015	No	HBSS_FORM	St. Francis Lithuanian Mission	344 Route 202	Greene	Androscoggin	Not Eligible
580	180-0017	No	HBSS_FORM	Valley Cemetery	.10 mile north of 343 Route 202	Greene	Androscoggin	Eligible
581	180-0016	No	HBSS_FORM	Valley Cemetery	south of 398 Route 202	Greene	Androscoggin	Not Eligible
582	180-0018	No	HBSS_FORM	Greenwood Cemetery	southeast of 398 Route 202	Greene	Androscoggin	Not Eligible
583	180-0019	No	HBSS_FORM	Androscoggin County Mail Route Historical Marker	south of 398 Route 202	Greene	Androscoggin	Not Eligible
584	180-0001	No	HBSS_FORM	Universalist Church	398 Route 202	Greene	Androscoggin	Not Eligible
585	180-0020	No	HBSS_FORM	N/A	401 Route 202	Greene		Not Eligible
586	180-0021	No	HBSS_FORM	N/A	401 Route 202	Greene	Androscoggin	Not Eligible
587	180-0022	No	HBSS_FORM	N/A	407 Route 202	Greene	Androscoggin	Not Eligible
588	180-0023	No	HBSS_FORM	N/A	407 Route 202	Greene	Androscoggin	Not Eligible

Table 2

SEARCH Survey Map ID	MHPC Inventory ID	Update Survey Form in CARMA	MHPC Survey Form type	Property Name	Address	Town	County	NRHP Status
589	180-0024	No	HBSS_FORM	N/A	northwest corner of West Maine Street and Route 202	Greene	Androscoggin	Not Eligible
624	180-0002	Yes (photo)	HBSS_FORM	N/A	74 North Line Road	Greene	Androscoggin	Not Eligible
625	180-0013c	No	BARN_FORM	Welcome Home Farm	8 Gilbert Road	Greene	Androscoggin	Not Eligible
627	234-0013b	Yes (done)	BARN_FORM	Additon Farm	6 Additon Road	Leeds	Androscoggin	Eligible
628	234-0013c	Yes (done)	BARN_FORM	Additon Farm	6 Additon Road	Leeds	Androscoggin	Eligible
629	234-0013hfs	Yes (done)	FARM_FORM	Additon Farm	6 Additon Road	Leeds	Androscoggin	Eligible
630	234-0013a	Yes (done)	BARN_FORM	Additon Farm	6 Additon Road	Leeds	Androscoggin	Eligible
631	234-0013	Yes (done)	HBSS_FORM	Additon Farm	6 Additon Road	Leeds	Androscoggin	Eligible
632	234-0013d	Yes (done)	BARN_FORM	Additon Farm	6 Additon Road	Leeds	Androscoggin	Eligible
664	234-0013e	Yes (photo)	BARN_FORM	N/A	167 Fish Street	Leeds	Androscoggin	Not Eligible
668	234-0024	Yes (photo)	HBSS_FORM	N/A	646 Route 219	Leeds	Androscoggin	Not Eligible
669	234-0025	Yes (photo)	HBSS_FORM	N/A	626 Route 219	Leeds	Androscoggin	Not Eligible
669	234-0025hfs	Yes	FARM_FORM	N/A	626 Route 219	Leeds	Androscoggin	Not Eligible
670	234-0025a	No	BARN_FORM	N/A	626 Route 219	Leeds	Androscoggin	Not Eligible
671	234-0027	Yes (photo)	HBSS_FORM	N/A	499 Route 219	Leeds	Androscoggin	Not Eligible
673	234-0028hfs	Yes (photo)	FARM_FORM	N/A	5 Campbell Road	Leeds	Androscoggin	Not Eligible
674	234-0028	Yes (photo)	HBSS_FORM	N/A	5 Campbell Road	Leeds	Androscoggin	Not Eligible
675	234-0028a	Yes (photo)	BARN_FORM	N/A	5 Campbell Road	Leeds	Androscoggin	Not Eligible
676	234-0028b	Yes (photo)	BARN_FORM	N/A	5 Campbell Road	Leeds	Androscoggin	Not Eligible
678	234-0014b	Yes (photo)	BARN_FORM	N/A	79 Campbell Road	Leeds	Androscoggin	Not Eligible
679	234-0014hfs	Yes (photo)	FARM_FORM	Winterplace Farm	79 Campbell Road	Leeds	Androscoggin	Not Eligible
680	234-0014	Yes (photo)	HBSS_FORM	Winterplace Farm	79 Campbell Road	Leeds	Androscoggin	Not Eligible
681	234-0014a	Yes (photo)	BARN_FORM	Winterplace Farm	79 Campbell Road	Leeds	Androscoggin	Not Eligible
682	234-0014d	Yes (photo)	BARN_FORM	Winterplace Farm	79 Campbell Road	Leeds	Androscoggin	Not Eligible
683	234-0014c	Yes (photo)	BARN_FORM	Winterplace Farm	79 Campbell Road	Leeds	Androscoggin	Not Eligible
689	234-0015	Yes (photo)	HBSS_FORM	N/A	154 Knapp Road	Leeds	Androscoggin	Not Eligible
707	249-0030	No	HBSS_FORM	N/A	Strickland Loop Road	Livermore Falls	Kennebec	Not Eligible
715	249-0045	No	HBSS_FORM	Maine Central Railroad—Rumford Branch at East Livermore	River Road just west of Route 133 at MP 26.1	Livermore Falls	Androscoggin	Eligible
716	249-0044	No	HBSS_FORM	New Norland Grange Hall #580	River Road and Androscoggin Bluff Road	Livermore Falls	Androscoggin	Eligible
717	249-0046	No	HBSS_FORM	N/A	East side River Road and Androscoggin Bluff Road	Livermore Falls	Androscoggin	Not Eligible
719	249-0031	No	HBSS_FORM	Bowman Airfield	River Road	Livermore Falls	Androscoggin	Eligible
774	249-0027	No	HBSS_FORM	N/A	Fayette Road	Livermore Falls	Androscoggin	Not Eligible
778	249-0026	No	HBSS_FORM	N/A	Fayette Road	Livermore Falls	Androscoggin	Not Eligible
779	249-0032	No	HBSS_FORM	Pleasant Hill Cemetery	Twelve Corners Road and Pomeroy Hill Road	Livermore Falls	Kennebec	Eligible
781	249-0025	Yes (photo)	HBSS_FORM	Treat Cemetery	Fayette Road	Livermore Falls	Androscoggin	Eligible
781	249-0025	No	HBSS_FORM	Treat Cemetery	Twelve Corners Road and Pomeroy Road	Livermore Falls	Kennebec	Eligible
786	249-0029	Yes (photo)	HBSS_FORM	N/A	Fayette Road	Livermore Falls	Androscoggin	Not Eligible
795	249-0033a	No	BARN_FORM	N/A	40 Turmel Road	Livermore Falls	Androscoggin	Eligible

Table 2

SEARCH Survey Map ID	MHPC Inventory ID	Update Survey Form in CARMA	MHPC Survey Form type	Property Name	Address	Town	County	NRHP Status
796	249-0033hfs	No	FARM_FORM	N/A	40 Turmel Road	Livermore Falls	Androscoggin	Not Eligible
797	249-0033	No	HBSS_FORM	N/A	40 Turmel Road	Livermore Falls	Androscoggin	Not Eligible
798	249-0033b	No	BARN_FORM	N/A	40 Turmel Road	Livermore Falls	Androscoggin	Not Eligible
799	217-0051	No	HBSS_FORM	N/A	70 Turmel Road	Jay	Franklin	Not Eligible
800	217-0051a	No	BARN_FORM	N/A	70 Turmel Road	Jay	Franklin	Not Eligible
831	217-0064	No	HBSS_FORM	Moses Stone Farm	346 Franklin Road	Jay	Franklin	Not Eligible
832	217-0065	No	HBSS_FORM	N/A	315 Hyde Road	Jay	Franklin	Not Eligible
835	217-0066	No	HBSS_FORM	N/A	367 Franklin Road	Jay	Franklin	Not Eligible
861	217-0064a	No	BARN_FORM	Moses Stone Farm	346 Franklin Road	Jay	Franklin	Not Eligible
885	154-0186	No	HBSS_FORM	N/A	341 Knowlton Corner Road	Farmington	Franklin	Not Determined
886	151-0186a	No	BARN_FORM	N/A	341 Knowlton Corner Road	Farmington	Franklin	Eligible
979	154-0192	No	HBSS_FORM	Henry Hardy Farm	360 Weeks Mills Road	Farmington	Franklin	Eligible
980	154-0192c	No	BARN_FORM	Henry Hardy Farm	360 Weeks Mills Road	Farmington	Franklin	Eligible
981	154-0192b	No	BARN_FORM	Henry Hardy Farm	360 Weeks Mills Road	Farmington	Franklin	Eligible
982	154-0192a	No	BARN_FORM	Henry Hardy Farm	360 Weeks Mills Road	Farmington	Franklin	Eligible
983	154-0192d	No	BARN_FORM	Henry Hardy Farm	360 Weeks Mills Road	Farmington	Franklin	Eligible
984	154-0193	No	HBSS_FORM	Henry Hardy Farm	360 Weeks Mills Road	Farmington	Franklin	Eligible
1014	N/A	Yes (address)	BARN_FORM	B.F. Hilton Farm (1883): Former Dairy Barn	1195 Anson Rd/RTE 43	Starks	Somerset	Not Determined
1015	N/A	Yes (address)	BARN_FORM	B.F. Hilton Farm (1883): Milk House	1195 Anson Rd/RTE 43	Starks	Somerset	Not Determined
1016	N/A	Yes (address)	BARN_FORM	B.F. Hilton Farm (1883): Dairy Barn	1195 Anson Rd/RTE 43	Starks	Somerset	Not Determined
1017	N/A	Yes (address)	HBSS_FORM	B.F. Hilton Farm (1883)	1195 Anson Rd/RTE 43	Starks	Somerset	Not Determined
1018	N/A	Yes (address)	BARN_FORM	B.F. Hilton Farm (1883): Barn	1195 Anson Rd/RTE 43	Starks	Somerset	Not Determined
1019	N/A	Yes (address)	BARN_FORM	B.F. Hilton Farm (1883): Sheep House	1195 Anson Rd/RTE 43	Starks	Somerset	Not Determined
1020	N/A	Yes (address)	FARM_FORM	B.F. Hilton Farm (1883)	1195 Anson Rd/RTE 43	Starks	Somerset	Not Determined
1021	N/A	Yes (address)	HBSS_FORM	R. Hilton House (1883)	1222 Anson Rd/RTE 43	Starks	Somerset	Not Determined
1022	N/A	Yes (address)	HBSS_FORM	E. Gray Farm (1883)	1294 Anson Rd/RTE 43	Starks	Somerset	Not Determined
1023	N/A	Yes (address)	BARN_FORM	E. Gray Farm (1883): Dairy Barn	1294 Anson Rd/RTE 43	Starks	Somerset	Not Determined
1023	N/A	Yes (address)	BARN_FORM	E. Gray Farm (1883): Dairy Barn Milk House	1294 Anson Rd/RTE 43	Starks	Somerset	Not Determined
1024	N/A	Yes (address)	HBSS_FORM	E. Gray Farm (1883): Original House	1294 Anson Rd/RTE 43	Starks	Somerset	Not Determined
1025	N/A	Yes (address)	BARN_FORM	E. Gray Farm (1883): Stable Barn	1294 Anson Rd/RTE 43	Starks	Somerset	Not Determined
1026	N/A	Yes (address)	BARN_FORM	E. Gray Farm (1883): Shed	1294 Anson Rd/RTE 43	Starks	Somerset	Not Determined
1027	N/A	Yes (address)	FARM_FORM	E. Gray Farm (1883)	1294 Anson Rd/RTE 43	Starks	Somerset	Not Determined
1028	N/A	Yes (address)	BARN_FORM	E. Gray Farm (1883): Milk House	1294 Anson Rd/RTE 43	Starks	Somerset	Not Determined
1030	N/A	Yes (address)	BARN_FORM	E. Gray Farm (1883): Barn	1294 Anson Rd/RTE 43	Starks	Somerset	Not Determined

Table 2

SEARCH Survey Map ID	MHPC Inventory ID	Update Survey Form in CARMA	MHPC Survey Form type	Property Name	Address	Town	County	NRHP Status
1031	N/A	Yes (address)	BARN_FORM	E. Gray Farm (1883): Chicken Coop	1294 Anson Rd/RTE 43	Starks	Somerset	Not Determined
1032	N/A	Yes (address)	BARN_FORM	E. Gray Farm (1883): Hay Barn	1294 Anson Rd/RTE 43	Starks	Somerset	Not Determined
1033	N/A	Add to E. Gray Farm		E. Gray Farm (1883): Garage	1294 Anson Rd/RTE 43	Starks	Somerset	Not Determined
1034	N/A	No	HBSS_FORM	Athearn Cemetery	West side of Hilton Hill Road, at Anson/Starks Town Line	Anson	Somerset	Not Determined
1035	N/A	No	HBSS_FORM	Mrs. Athearn House (1883)	West side of Hilton Hill Road, 500 feet north of Anson/Starks Town Line	Anson	Somerset	Not Determined
1259	146-0001	No	HBSS_FORM	Concord Haven	East side of Route 16, 1.7 miles N of intersection with Berry Road	Embden	Somerset	Listed
1262	534-0003	No	HBSS_FORM	N/A	5 Jackson Pond Road	Concord Twp	Somerset	Not Eligible
1263	534-0004	No	HBSS_FORM	N/A	5 Jackson Pond Road	Concord Twp	Somerset	Not Eligible
1264	534-0003b	No	BARN_FORM	N/A	5 Jackson Pond Road	Concord Twp	Somerset	Not Eligible
1265	534-0003c	No	BARN_FORM	N/A	5 Jackson Pond Road	Concord Twp	Somerset	Not Eligible
1266	534-0005	No	HBSS_FORM	N/A	5 Jackson Pond Road	Concord Twp	Somerset	Not Eligible
1267	534-0006	No	HBSS_FORM	N/A	5 Jackson Pond Road	Concord Twp	Somerset	Not Eligible
1268	534-0003a	No	BARN_FORM	N/A	5 Jackson Pond Road	Concord Twp	Somerset	Not Eligible
1269	534-0007	No	HBSS_FORM	Garfield School	Kennebec River Road/ RT 16, West side of St, Approx. 660 FT North of intrsectio with Jackson Pond Road	Concord Twp	Somerset	Eligible
1270	534-0008	No	HBSS_FORM	W. Howes Farm (1883)	2395 Kennebec River Road/ Route 16	Concord Twp	Somerset	Not Eligible
1271	534-0008a	No	BARN_FORM	Long Furrow Farm	2395 Kennebec River Road/ Route 16	Concord Twp	Somerset	Not Eligible
1272	534-0010	No	HBSS_FORM	Cassidy Cemetery	Kennebec River Road/ Route 16, East side of St, North of jct with Jackson Pond Road	Concord Twp	Somerset	Not Eligible
1273	534-0009	No	HBSS_FORM	N/A	2427 Kennebec River Road/ Route 16	Concord Twp	Somerset	Not Eligible
1274	534-0009a	No	BARN_FORM	N/A	2427 Kennebec River Road/ Route 16	Concord Twp	Somerset	Not Eligible
1278	534-0011	No	HBSS_FORM	N/A	2556 Kennebec River Road/Route 16	Concord Twp	Somerset	Not Eligible
1279	534-0012	No	HBSS_FORM	N/A	259 Kennebec River Road/Route 16	Concord Twp	Somerset	Eligible
1280	534-0013	No	HBSS_FORM	N/A	259 Kennebec River Road/Route 16	Concord Twp	Somerset	Eligible
1281	534-0012a	No	BARN_FORM	N/A	259 Kennebec River Road/Route 16	Concord Twp	Somerset	Eligible
1283	534-0014	No	HBSS_FORM	USGS Stream Gaging Station	Kennebec River Road/Route 16, East side of St, Approx. 150 Feet South of jct with Bridge Street	Concord Twp	Somerset	Not Eligible
1286	293-0001	No	HBSS_FORM	Wyman Hydro Project	Station Road	Moscow	Somerset	Eligible
1287	293-0045	No	HBSS_FORM	Wyman Dam	Terminus of Station Road, at the base of Wyman Lake	Moscow	Somerset	Eligible
1288	293-0047	No	HBSS_FORM	Arnold Trail to Quebec - Wyman Hydro Project	Station Road	Moscow	Somerset	Listed
1290	293-0042	No	HBSS_FORM	N/A	135 Canada Road	Moscow	Somerset	Not Eligible
1292	293-0040	No	HBSS_FORM	N/A	105 Canada Road	Moscow	Somerset	Not Eligible
1292	293-0053	No	HBSS_FORM	N/A	105 Canada Road	Moscow	Somerset	Not Eligible

Table 2

SEARCH Survey Map ID	MHPC Inventory ID	Update Survey Form in CARMA	MHPC Survey Form type	Property Name	Address	Town	County	NRHP Status
1293	293-0040a	No	BARN_FORM	N/A	105 Canada Road	Moscow	Somerset	Not Eligible
1293	293-0053a	No	BARN_FORM	N/A	105 Canada Road	Moscow	Somerset	Not Eligible
1294	293-0041	No	HBSS_FORM	Moscow Town Hall	110 Canada Road	Moscow	Somerset	Not Eligible
1295	293-0038	No	HBSS_FORM	N/A	87 Canada Road	Moscow	Somerset	Not Eligible
1295	293-0049	No	HBSS_FORM	N/A	87 Canada Road	Moscow	Somerset	Not Eligible
1296	293-0039	No	HBSS_FORM	N/A	90 Canada Road	Moscow	Somerset	Not Eligible
1297	293-0048	No	HBSS_FORM	N/A	90 Canada Road	Moscow	Somerset	Not Eligible
1298	042-0015a	No	BARN_FORM	N/A	River Road/Route 201, East side of Rd, Approx. 240 FT. North of jct with Village Street	Bingham	Somerset	Not Eligible
1299	042-0015	No	HBSS_FORM	N/A	River Road/Route 201, East side of Rd, Approx. 240 Feet North of jct with Village Street	Bingham	Somerset	Not Eligible
1301	042-0014	No	HBSS_FORM	N/A	River Road/ Route 201, East side of Rd, at jct with Village Street	Bingham	Somerset	Not Eligible
1302	484-0041	Yes (photo)	HBSS_FORM	N/A	Northeast corner of Sampson Road & South Belfast Road (Route 105)	Windsor	Kennebec	Not Eligible
1305	484-0040	<Null>	HBSS_FORM		7 Coopers Mill Road	Windsor	Kennebec	Not Eligible
1306	484-0040a	Yes (photo)	BARN_FORM	N/A	7 Coopers Mill Road	Windsor	Kennebec	Not Eligible
1307	484-0040b	Yes (photo)	BARN_FORM	N/A	7 Coopers Mill Road	Windsor	Kennebec	Not Eligible
1308	484-0040c	Yes (photo)	BARN_FORM	N/A	7 Coopers Mill Road	Windsor	Kennebec	Not Eligible
1309	484-0030c	No	BARN_FORM	N/A	111 Coopers Mills Road	Windsor	Kennebec	Not Eligible
1310	484-0030a	No	BARN_FORM	N/A	111 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1310	484-0030a	No	BARN_FORM	N/A	111 Coopers Mills Road	Windsor	Kennebec	Not Eligible
1310	484-0030d	<Null>	BARN_FORM	N/A	111 Coopers Mills Road	Windsor	Kennebec	Not Eligible
1311	484-0030hfs	No	FARM_FORM	N/A	111 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1311	484-0030hfs	No	FARM_FORM	N/A	111 Coopers Mills Road	Windsor	Kennebec	Not Eligible
1312	484-0030	No	HBSS_FORM	N/A	111 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1312	484-0030	No	HBSS_FORM	N/A	111 Coopers Mills Road	Windsor	Kennebec	Not Eligible
1313	484-0030b	Yes (photo)	BARN_FORM	N/A	111 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1313	484-0030b	No	BARN_FORM	N/A	111 Coopers Mills Road	Windsor	Kennebec	Not Eligible
1324	484-0035	No	HBSS_FORM	N/A	246 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1326	484-0034b	No	HBSS_FORM	N/A	295 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1326	484-0034b	No	HBSS_FORM	N/A	295 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1327	484-0034	No	HBSS_FORM	N/A	295 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1327	484-0034	No	HBSS_FORM	N/A	295 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1328	484-0034hfs	No	FARM_FORM	N/A	295 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1328	484-0034hfs	Yes	FARM_FORM	N/A	295 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1329	484-0032	No	HBSS_FORM	N/A	306 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1329	484-0032	No	HBSS_FORM	N/A	306 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1330	484-0031	No	HBSS_FORM	N/A	321 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1330	484-0031	<Null>	HBSS_FORM	N/A	321 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1331	484-0031a	No	BARN_FORM	N/A	321 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1331	484-0031a	<Null>	BARN_FORM	N/A	321 Cooper's Mill Road	Windsor	Kennebec	Not Eligible

Table 2

SEARCH Survey Map ID	MHPC Inventory ID	Update Survey Form in CARMA	MHPC Survey Form type	Property Name	Address	Town	County	NRHP Status
1334	484-0036a	No	BARN_FORM	N/A	206 Maxcy's Mill Road	Windsor	Kennebec	Not Eligible
1335	484-0036hfs	No	FARM_FORM	N/A	206 Maxcy's Mill Road	Windsor	Kennebec	Not Eligible
1336	484-0036	No	HBSS_FORM	N/A	206 Maxcy's Mill Road	Windsor	Kennebec	Not Eligible
1337	484-0037	No	HBSS_FORM	N/A	5 Griffin Road	Windsor	Kennebec	Not Eligible
1338	484-0038	No	HBSS_FORM	N/A	99 Griffin Road	Windsor	Kennebec	Not Eligible
1398	N/A	No	HBSS_FORM	N/A	14 Pittston Road	Whitefield	Lincoln	Not Determined
1403	N/A	No	HBSS_FORM	N/A	136 Pittston Road	Whitefield	Lincoln	Not Determined
1404	N/A	No	BARN_FORM	N/A	136 Pittston Road	Whitefield	Lincoln	Not Determined
1405	N/A	No	HBSS_FORM	N/A	161 Pittston Road	Whitefield	Lincoln	Not Determined
1406	N/A	No	HBSS_FORM	N/A	185 Pittston Road	Whitefield	Lincoln	Not Determined
1407	N/A	No	BARN_FORM	N/A	185 Pittston Road	Whitefield	Lincoln	Not Determined
1447	491-0408	Yes (photo)	HBSS_FORM	Leslie Farm	48 Dickinson Road	Wiscasset	Lincoln	Eligible
1448	491-0408a	Yes (photo)	BARN_FORM	Leslie Farm	48 Dickinson road	Wiscasset	Lincoln	Eligible
1449	491-0408hfs	Yes (photo)	FARM_FORM	Leslie Farm	48 Dickinson road	Wiscasset	Lincoln	Eligible
1465	491-0406	No	HBSS_FORM	N/A	353 Old Bath Road	Wiscasset	Lincoln	Not Eligible
1468	491-0458	No	BARN_FORM	North of the Border	605 Bath Road	Wiscasset	Lincoln	Not Eligible
1469	491-0457	No	HBSS_FORM	North of the Border	605 Bath Road	Wiscasset	Lincoln	Not Eligible
1470	491-0456	No	HBSS_FORM	North of the Border	605 Bath Road	Wiscasset	Lincoln	Not Eligible
1471	491-0454	No	HBSS_FORM	Wiscasset Motor Lodge	596 Bath Road	Wiscasset	Lincoln	Not Eligible
1472	491-0455	No	HBSS_FORM	Wiscasset Motor Lodge	596 Bath Road	Wiscasset	Lincoln	Not Eligible
1474	491-0065	No	HBSS_FORM	N/A	285 Birch Point Road	Wiscasset	Lincoln	Not Eligible
1475	491-0074	No	HBSS_FORM	N/A	288 Birch Point Road	Wiscasset	Lincoln	Not Eligible
1476	491-00394	No	HBSS_FORM	N/A	288 Birch Point Road	Wiscasset	Lincoln	Not Eligible
1477	491-0066	No	HBSS_FORM	N/A	297 Birch Point Road	Wiscasset	Lincoln	Not Eligible
1479	491-0067	No	HBSS_FORM	N/A	33 Two Bridge Road	Wiscasset	Lincoln	Not Eligible
1480	491-0393a	No	BARN_FORM	N/A	86 Two Bridge Road	Wiscasset	Lincoln	Not Eligible
1481	491-0393	No	HBSS_FORM	N/A	86 Two Bridge Road	Wiscasset	Lincoln	Not Eligible
1484	491-0073	<Null>	HBSS_FORM	N/A	318 Birch Point Road	Wiscasset	Lincoln	Not Eligible
1485	491-0392	No	HBSS_FORM	N/A	360 Birch Point Road	Wiscasset	Lincoln	Not Eligible
1486	491-0391	No	HBSS_FORM	N/A	360 Birch Point Road	Wiscasset	Lincoln	Not Eligible
1487	491-0072	No	HBSS_FORM	N/A	366 Birch Point Road	Wiscasset	Lincoln	Not Eligible
1488	491-0072a	No	BARN_FORM	N/A	366 Birch Point Road	Wiscasset	Lincoln	Not Eligible
1489	491-0389	No	HBSS_FORM	N/A	34 Westport Bridge Road/Route 144	Wiscasset	Lincoln	Not Eligible
1490	491-0390	No	HBSS_FORM	N/A	34 Westport Bridge Road/Route 144	Wiscasset	Lincoln	Not Eligible
1491	491-0072hfs	No	FARM_FORM	N/A	366 Birch Point Road	Wiscasset	Lincoln	Not Eligible
1493	491-0068	No	HBSS_FORM	N/A	425 Birch Point Road/Route 144	Wiscasset	Lincoln	Not Eligible
1494	N/A	No	HBSS_FORM	N/A	495 Birch Point Road/Route 144	Wiscasset	Lincoln	Listed
1495	N/A	No	HBSS_FORM	MHPC # 491-0069	495 Birch Point Road/Route 144	Wiscasset	Lincoln	Listed
1497	N/A	No	BARN_FORM	N/A	495 Birch Point Road/	Wiscasset	Lincoln	Listed
1497	N/A	No	BARN_FORM	MHPC # 491-0069	495 Birch Point Road/Route 144	Wiscasset	Lincoln	Listed
1498	N/A	No	BARN_FORM	MHPC # 491-0069	495 Birch Point Road/Route 144	Wiscasset	Lincoln	Listed
1499	N/A	No	BARN_FORM	N/A	495 Birch Point Road/Route 144	Wiscasset	Lincoln	Listed
1500	N/A	No	BARN_FORM	N/A	495 Birch Point Road/Route 144	Wiscasset	Lincoln	Listed
1501	N/A	No	BARN_FORM	MHPC # 491-0069	495 Birch Point Road/Route 144	Wiscasset	Lincoln	Listed

Table 2

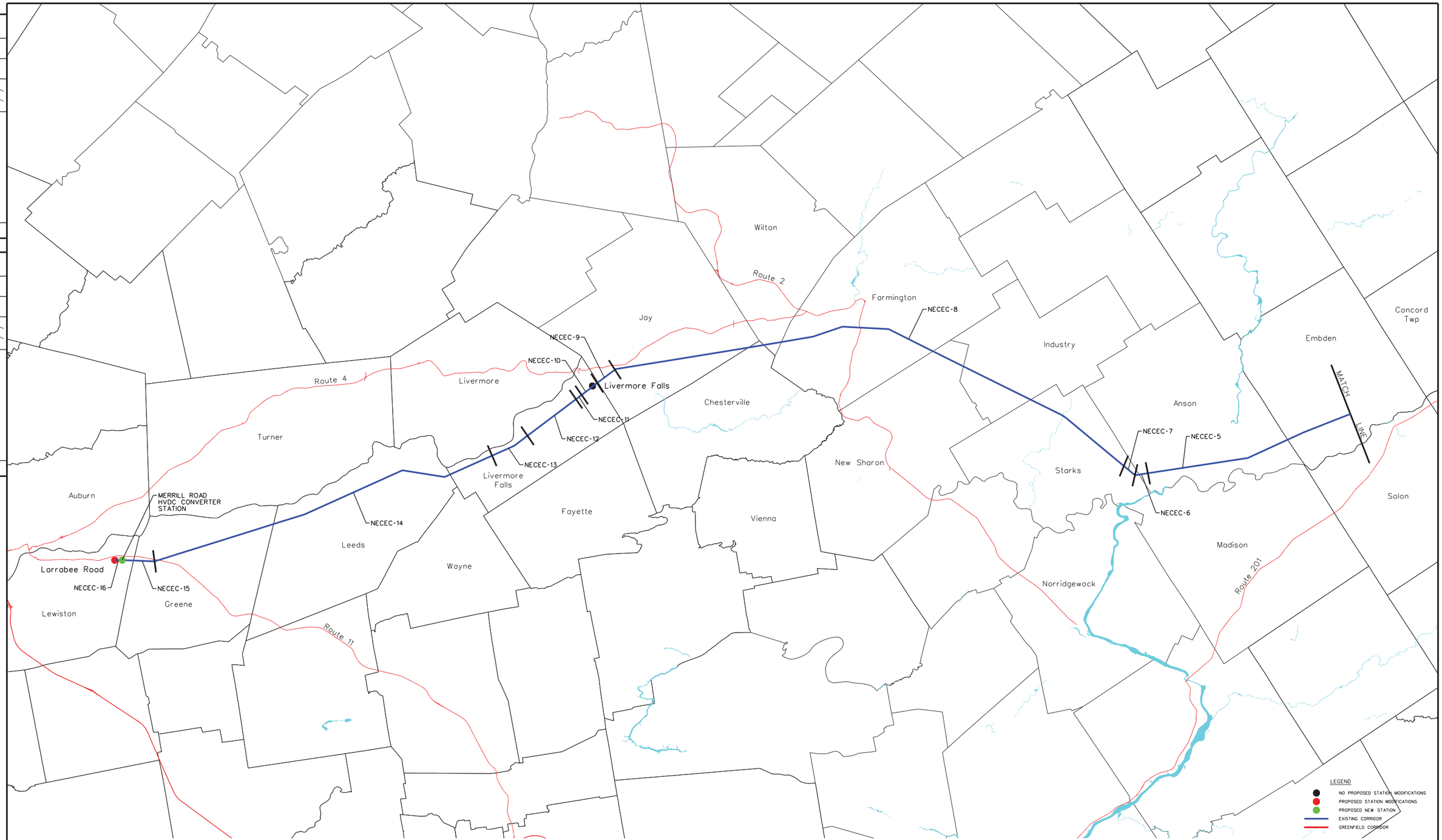
SEARCH Survey Map ID	MHPC Inventory ID	Update Survey Form in CARMA	MHPC Survey Form type	Property Name	Address	Town	County	NRHP Status
1502	491-0071	No	HBSS_FORM	N/A	526 Birch Point Road	Wiscasset	Lincoln	Not Eligible
1503	491-0070	Yes	HBSS_FORM	N/A	556 Birch Point Road/Route 144	Wiscasset	Lincoln	Not Eligible
1504	491-0070	No	HBSS_FORM	N/A	556 Birch Point Road/Route 144	Wiscasset	Lincoln	Not Eligible
1517	154-0192hfs	No	FARM_FORM	Henry Hardy Farm	360 Weeks Mills Road	Farmington	Franklin	Eligible
1521	N/A	No	FARM_FORM	N/A	136 Pittston Road	Whitefield	Lincoln	Not Determined
1522	N/A	No	BARN_FORM	N/A	136 Pittston Road	Whitefield	Lincoln	Not Determined
1523	N/A	No	FARM_FORM	N/A	185 Pittston Road	Whitefield	Lincoln	Not Determined
1525	236-1040hfs	No	FARM_FORM	Hodgkin Farm	217 Ferry Road	Lewiston	Androscoggin	Not Eligible
1526	236-1040b	No	BARN_FORM	Hodgkin Farm	217 Ferry Road	Lewiston	Androscoggin	Not Eligible
1532	234-0026	Yes (photo)	HBSS_FORM	N/A	613 Route 219	Leeds	Androscoggin	Not Eligible
1534	236-0962	No	HBSS_FORM	N/A	155 Switzerland Road	Lewiston	Androscoggin	Not Eligible
1535	236-0961	No	HBSS_FORM	N/A	165 Switzerland Road	Lewiston	Androscoggin	Not Eligible
1536	236-0961a	No	BARN_FORM	N/A	165 Switzerland Road	Lewiston	Androscoggin	Not Eligible
1539	236-1309hfs	No	FARM_FORM	N/A	916 College Road	Lewiston	Androscoggin	Not Eligible
1540	236-1309	Yes (photo)	HBSS_FORM	N/A	916 College Road	Lewiston	Androscoggin	Not Eligible
1541	236-1313hfsf	No	FARM_FORM	N/A	40 Merrill Road	Lewiston	Androscoggin	Not Eligible
1542	534-0008hfsf	No	FARM_FORM	W. Howes Farm (1883)	2395 Kennebec River Road	Concord Twp	Somerset	Not Eligible
1543	534-0009hfsf	No	FARM_FORM	N/A	2427 Kennebec River Road/ Route 16	Concord Twp	Somerset	Not Eligible
1543	534-0009hfs	No	FARM_FORM	N/A	2427 Kennebec River Road/ Route 16	Concord Twp	Somerset	Not Eligible
1544	534-0012hfsf	No	FARM_FORM	N/A	259 Kennebec River Road/Route 16	Concord Twp	Somerset	Eligible
1545	534-0003hfsf	No	FARM_FORM	N/A	5 Jackson Pond Road	Concord Twp	Somerset	Not Eligible
1546	042-0201	No	HBSS_FORM	N/A	226 Main Street/Route 201	Bingham	Somerset	Eligible
1547	491-0069hfsf	No	FARM_FORM	N/A	495 Birch Point Road/Route 144	Wiscasset	Lincoln	Listed
1548	042-0051	No	HBSS_FORM	Jimmy's Market	272 Main Street/ Route 201	Bingham	Somerset	Not Eligible
1549	236-1314	No	HBSS_FORM	N/A	102 Merrill Road	Lewiston	Androscoggin	Not Eligible
1550	236-0903	No	HBSS_FORM	N/A	59 Deer Road	Lewiston	Androscoggin	Not Eligible
1551	236-0904	No	HBSS_FORM	N/A	67 Deer Road	Lewiston	Androscoggin	Not Eligible
1552	236-0921	No	HBSS_FORM	N/A	1145 Main Street	Lewiston	Androscoggin	Not Determined
1553	484-0033	No	HBSS_FORM	N/A	303 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1553	484-0033	No	HBSS_FORM	N/A	303 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1554	484-0030e	No	BARN_FORM	N/A	111 Coopers Mills Road	Windsor	Kennebec	Not Eligible
1555	484-0030f	Yes (photo)	BARN_FORM	N/A	111 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1556	484-0030g	Yes (photo)	BARN_FORM	N/A	111 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1557	484-0030h	Yes (photo)	BARN_FORM	N/A	111 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
1558	495-0006	No	HBSS_FORM	MHPC # 495-0006	568 Mountain Road	Woolwich	Sagadahoc	Not Eligible
1563	180-0025	No	HBSS_FORM		11 West Main Street	Greene	Androscoggin	Not Eligible
1566	484-0040hfs	Yes (photo)	FARM_FORM	N/A	7 Coopers Mill Road	Windsor	Kennebec	Not Eligible
Demolished	293-0060a	Yes (Demolished)	BARN_FORM	N/A	321 Stream Road	Moscow	Somerset	Not Eligible

Table 2

SEARCH Survey Map ID	MHPC Inventory ID	Update Survey Form in CARMA	MHPC Survey Form type	Property Name	Address	Town	County	NRHP Status
Demolished	293-0059a	Yes (Demolished)	BARN_FORM	N/A	310 Stream Road	Moscow	Somerset	Not Eligible
Demolished	293-0059	Yes (Demolished)	HBSS_FORM	N/A	310 Stream Road	Moscow	Somerset	Not Eligible
Demolished	236-1038	Yes (done)	HBSS_FORM		184 Old Lisbon Road	Lewiston	Androscoggin	Not Eligible
Demolished	236-1038a	Yes (done)	BARN_FORM		184 Old Lisbon Road	Lewiston	Androscoggin	Not Eligible
Demolished	236-1038b	Yes (done)	BARN_FORM		184 Old Lisbon Road	Lewiston	Androscoggin	Not Eligible
Demolished	236-1038c	Yes (done)	HBSS_FORM		184 Old Lisbon Road	Lewiston	Androscoggin	Not Eligible
Demolished	236-1290	Yes	HBSS_FORM		103 Larrabee Road	Lewiston	Androscoggin	Not Eligible
Demolished	293-0043	Yes	HBSS_FORM		Canada Road, W side, approx .35 N of Station Road	Moscow	Somerset	Eligible
Demolished	293-0044	Yes	HBSS_FORM		Canada Road, W side, approx .38 N of Station Road	Moscow	Somerset	Eligible
Demolished	293-0044a	Yes	BARN_FORM		Canada Road, W side, approx .38 N of Station Road	Moscow	Somerset	Not Eligible
Demolished	484-0032a	Yes	BARN_FORM		306 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
Demolished	484-0032a	Yes	BARN_FORM		306 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
Demolished	484-0034a	No	BARN_FORM	N/A	295 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
Demolished	484-0035	<Null>	HBSS_FORM		246 Cooper's Mill Road	Windsor	Kennebec	Not Eligible
N/A - District	N/A - District	No	N/A	Concord Haven Historic District	N/A	Embden	Somerset	Listed
N/A - District	N/A - District	No	N/A	Temples Historic District	N/A	Anson	Somerset	Listed
N/A - District	N/A - District	No	N/A	Head Tide Historic District	N/A	Alna	Lincoln	Listed
N/A - District	N/A - District	No	N/A	Arnold Trail to Quebec Historic District	N/A	Multi	Multi	Listed
Not Historic	013-0025	<Null>	HBSS_FORM		190 River Road	Anson	Somerset	Not Eligible
Not Historic	236-1308	No	HBSS_FORM	N/A	900 College Road	Lewiston	Androscoggin	Not Eligible

APPENDIX C

TRANSMISSION LINE CONFIGURATION CROSS SECTIONS



NO.	REVISION	DATE	BY	CK	P.E.
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0	ISSUED FOR RFP RESPONSE	7/27/17	PEI	CRM		

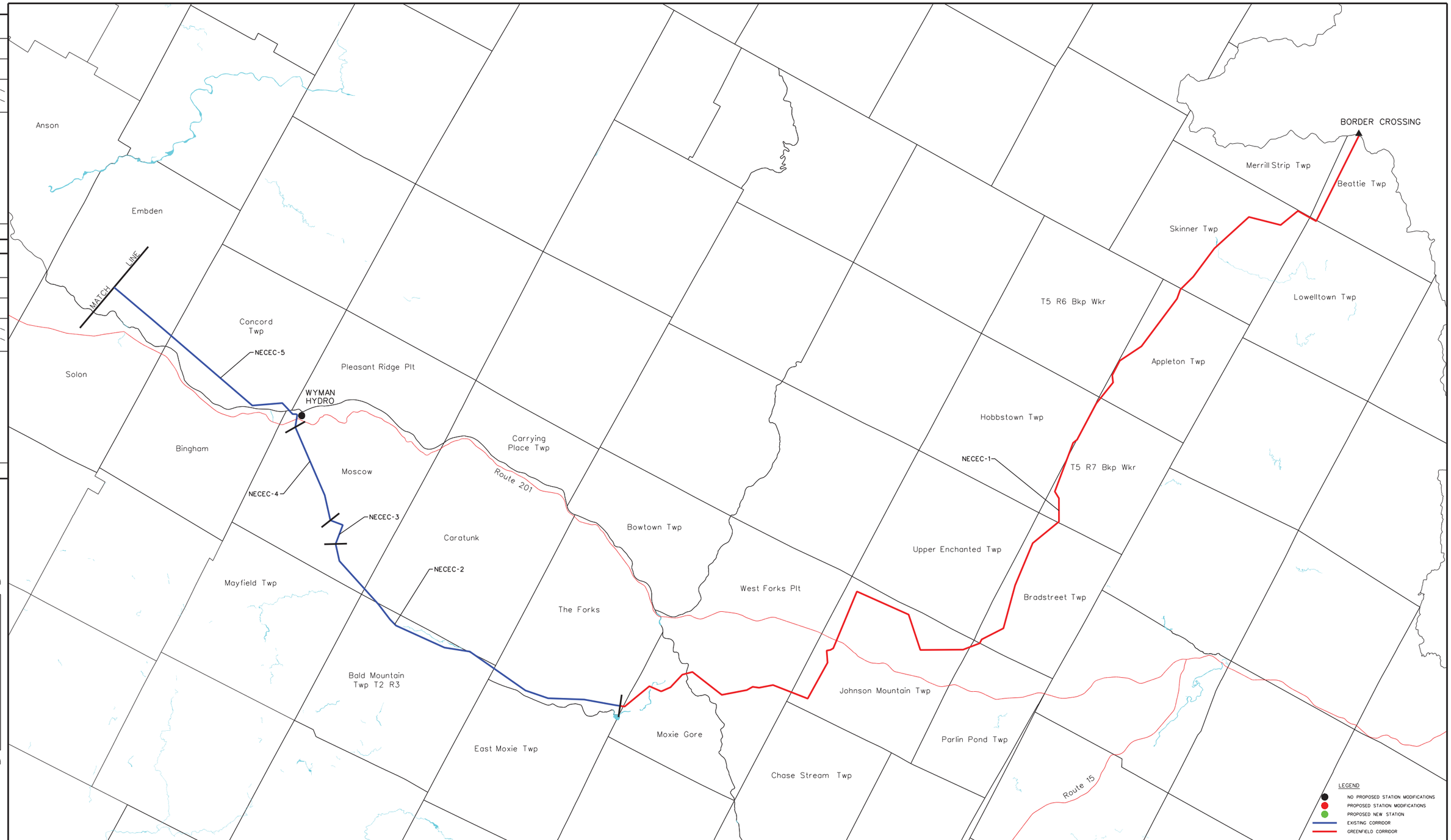
Professional Engineer Seal

DESIGNED JAR
DRAWN PEI
CHECKED CRM
APPROVED /
REVIEWED

NEW ENGLAND CLEAN ENERGY CONNECT PROPOSED LARRABEE ROAD SUBSTATION TO QUEBEC BORDER KEY MAP

CENTRAL MAINE POWER COMPANY
SYSTEM ENGINEERING
CENTRAL MAINE POWER
DATE: 4/10/17 SCALE: AS NOTED

SK-LR-QC-KEY-1
REV 0



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0 10000 20000 30000 FEET
1"= 10000'

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Professional Engineer Seal

DESIGNED JAR
DRAWN PEI
CHECKED CRM
APPROVED /
REVIEWED

NEW ENGLAND CLEAN ENERGY CONNECT PROPOSED LARRABEE ROAD SUBSTATION TO QUEBEC BORDER KEY MAP

CENTRAL MAINE POWER COMPANY
SYSTEM ENGINEERING
CENTRAL MAINE POWER
DATE: 4/10/17 SCALE: AS NOTED

SK-LR-QC-KEY-2
REV 0

PRELIMINARY
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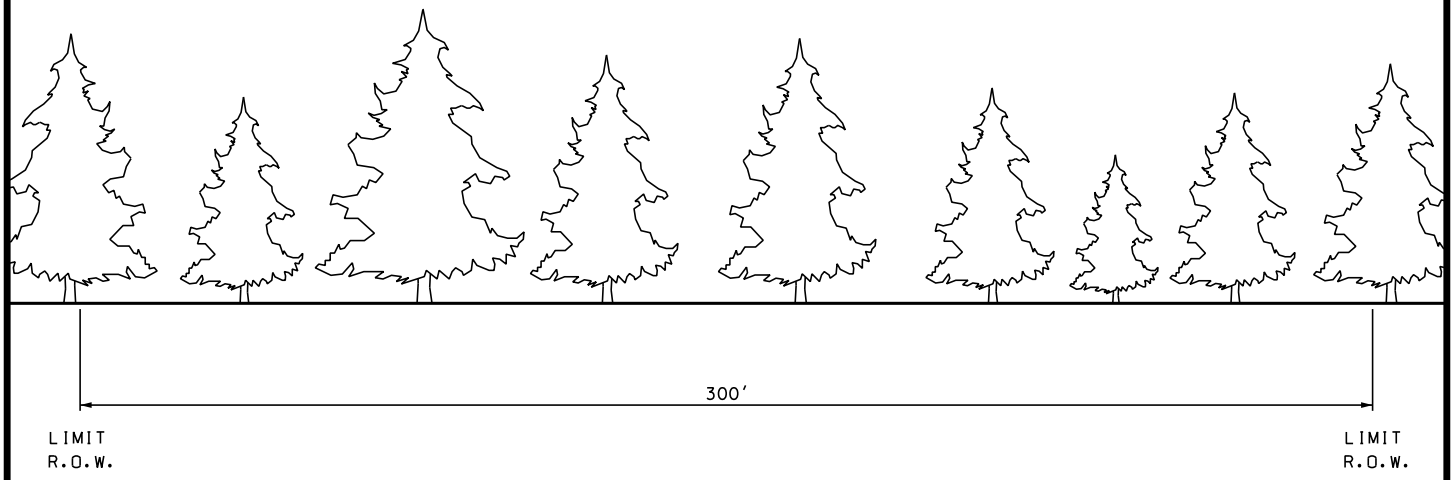
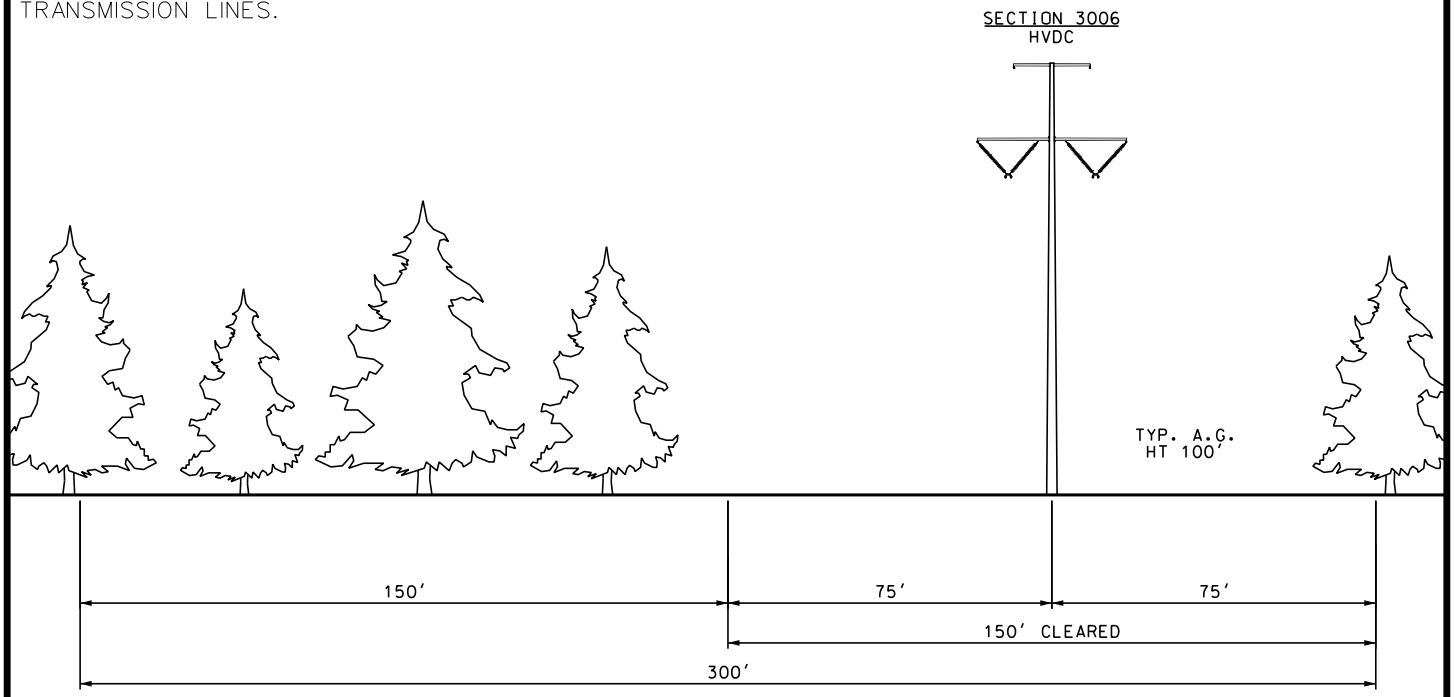


LOOKING FROM QUEBEC BORDER TOWARDS WYMAN HYDRO S/S
(APPROX. 53.5 MILES)

NOTE:
ADDITIONAL R.O.W. SECURED TO ACCOMMODATE FUTURE TRANSMISSION LINES.

PROPOSED



LOOKING FROM QUEBEC BORDER TOWARDS WYMAN HYDRO S/S
(APPROX. 53.5 MILES)

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S222 POLE 95 TO QUEBEC BORDER

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 1

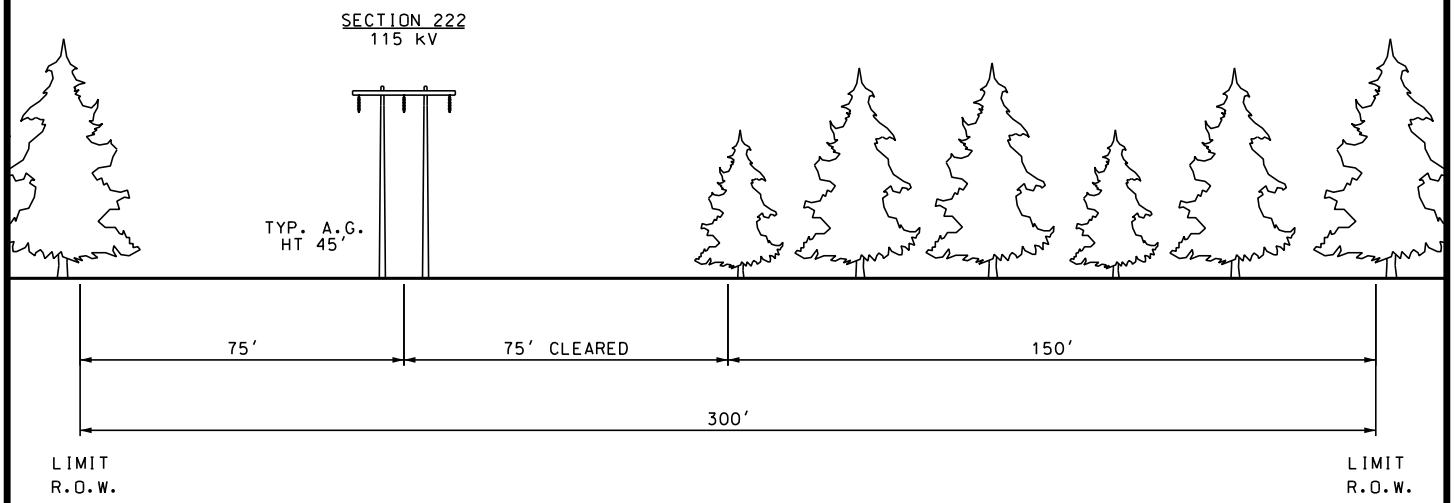
CHECKED		DESIGNED JAR	DATE 3/2/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 1

SHEET NECEC-1

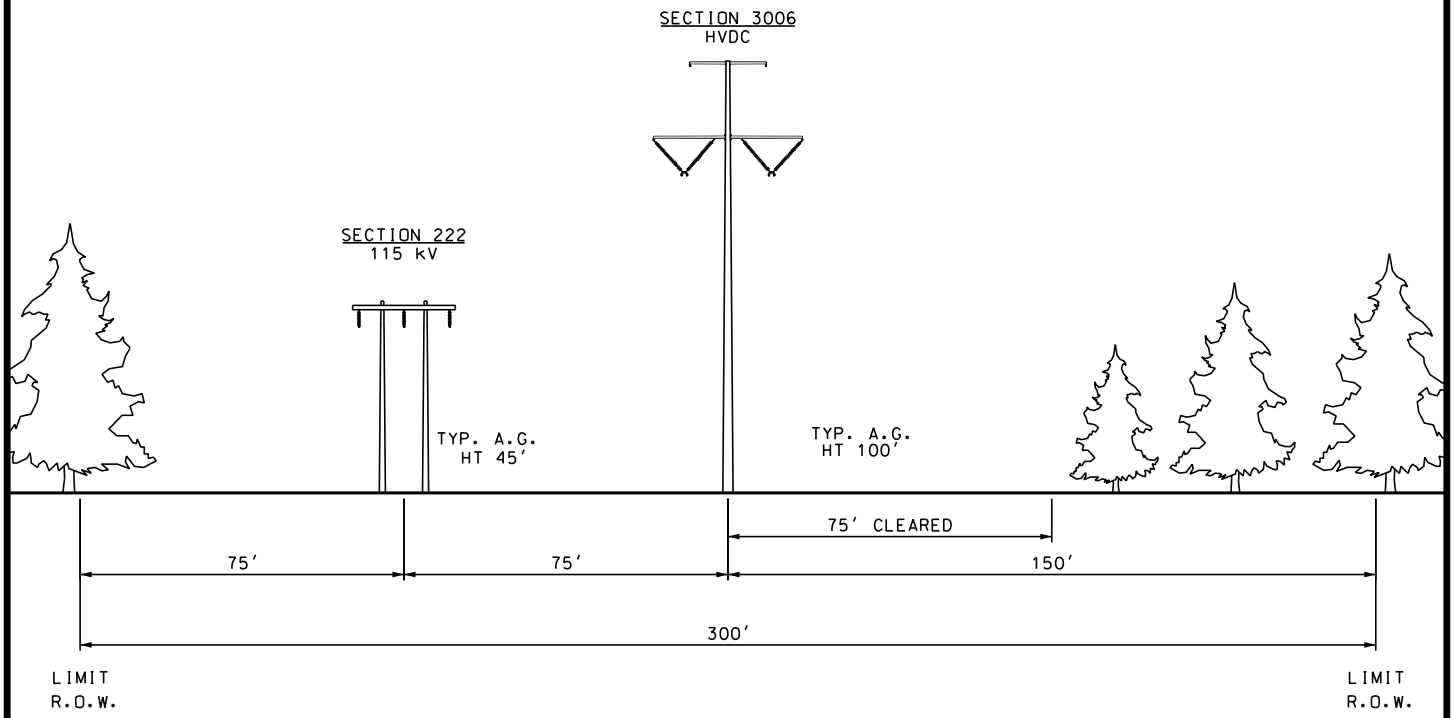
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM QUEBEC BORDER TOWARDS WYMAN HYDRO S/S
(APPROX. 15.2 MILES)

PROPOSED



LOOKING FROM QUEBEC BORDER TOWARDS WYMAN HYDRO S/S
(APPROX. 15.2 MILES)

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S222 POLE 95 TO S222 POLE 275

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 2

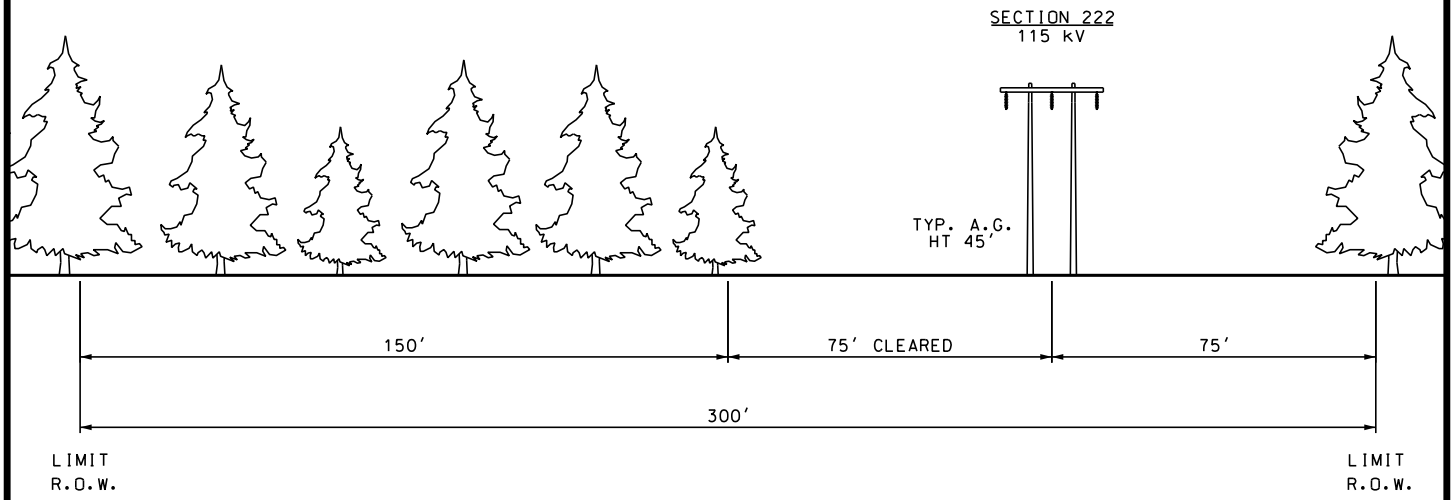
CHECKED		DESIGNED JAR	DATE 3/2/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 2

SHEET NECEC-2

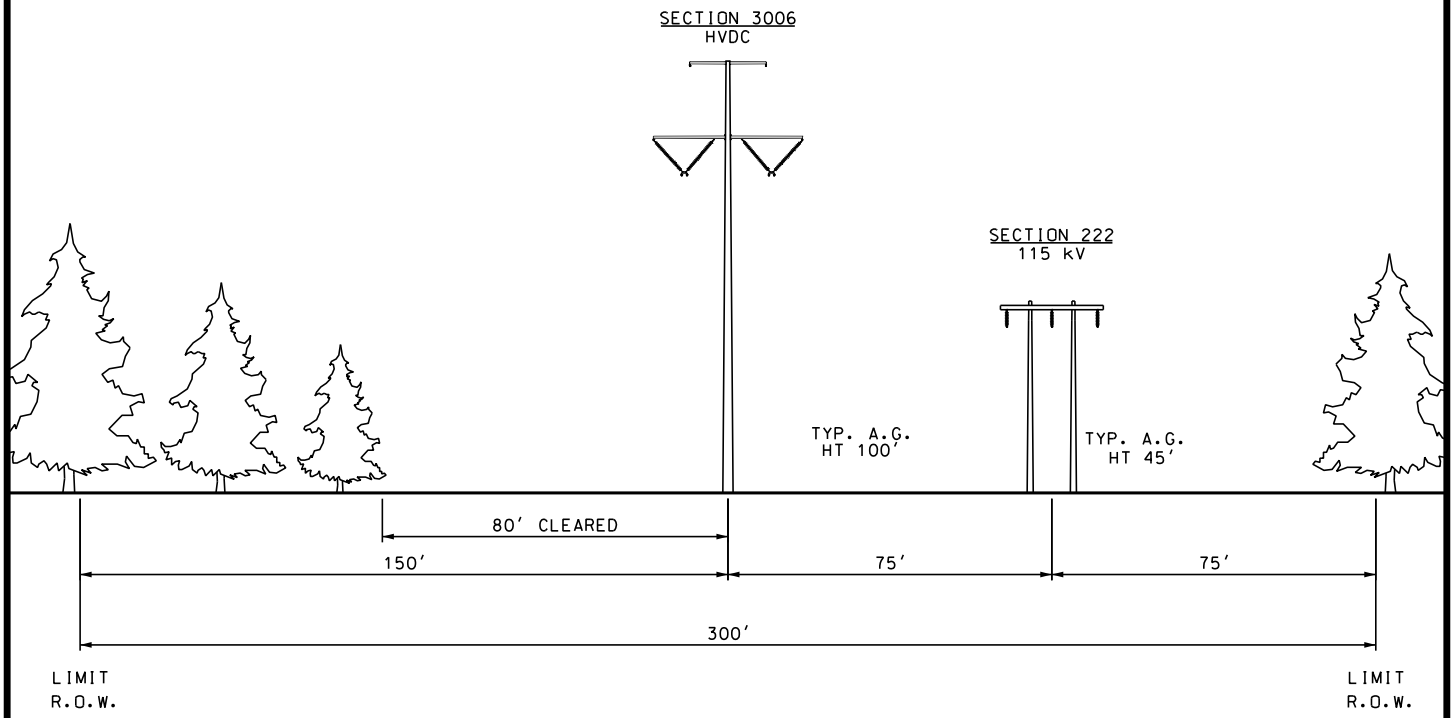
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM QUEBEC BORDER TOWARDS WYMAN HYDRO S/S
(APPROX. 1.1 MILES)

PROPOSED



LOOKING FROM QUEBEC BORDER TOWARDS WYMAN HYDRO S/S
(APPROX. 1.1 MILES)

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S222 POLE 275 TO S222 POLE 289

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 2

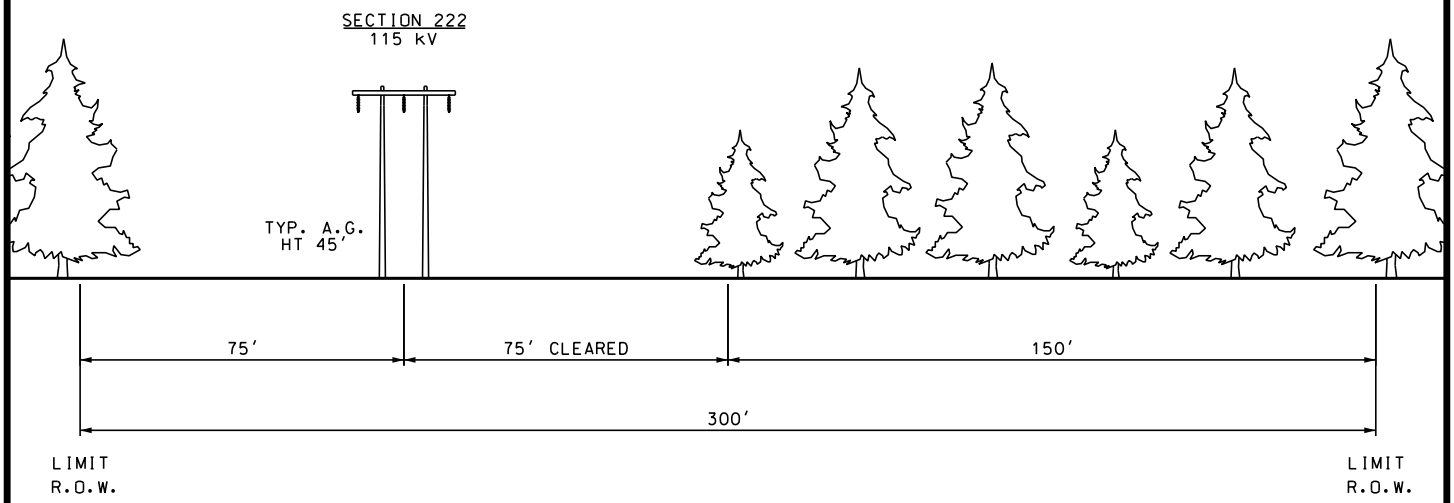
CHECKED		DESIGNED JAR	DATE 3/2/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 2

SHEET NECEC-3

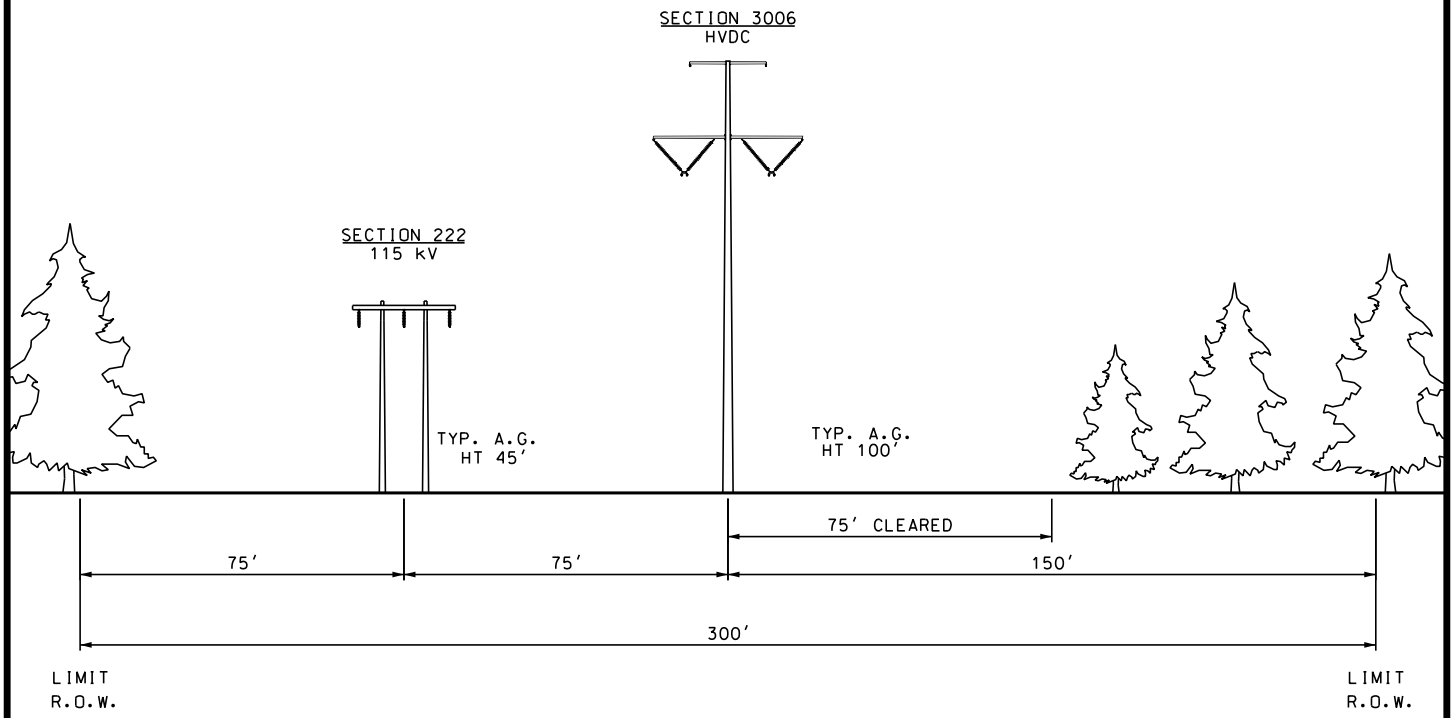
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM QUEBEC BORDER TOWARDS WYMAN HYDRO S/S
(APPROX. 5.5 MILES)

PROPOSED



LOOKING FROM QUEBEC BORDER TOWARDS WYMAN HYDRO S/S
(APPROX. 5.5 MILES)

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S222 POLE 289 TO S63 POLE 7

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 2

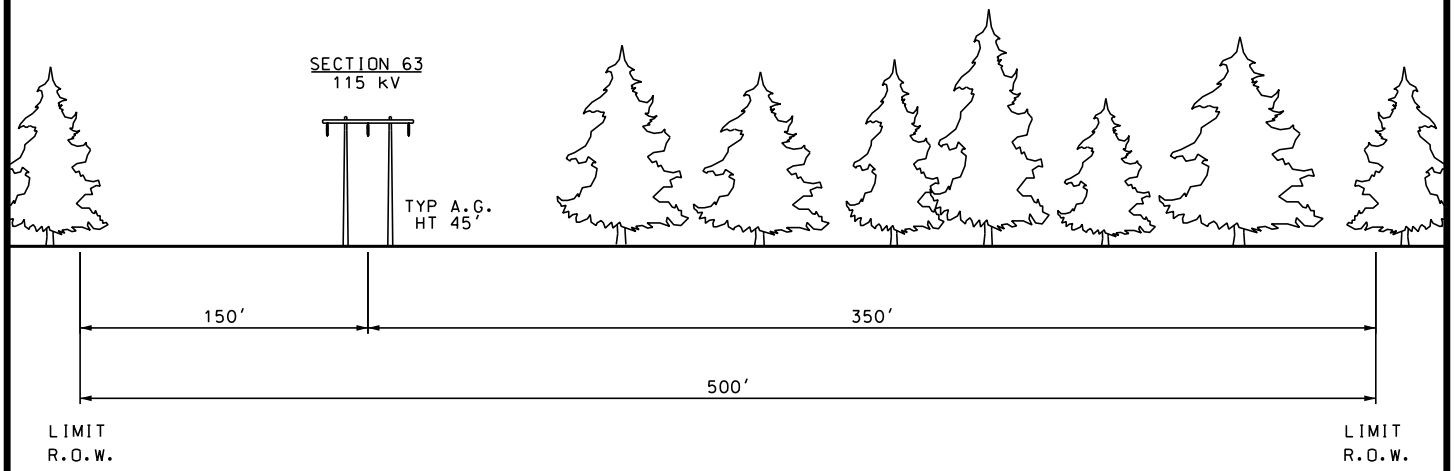
CHECKED		DESIGNED JAR	DATE 3/2/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 2

SHEET NECEC-4

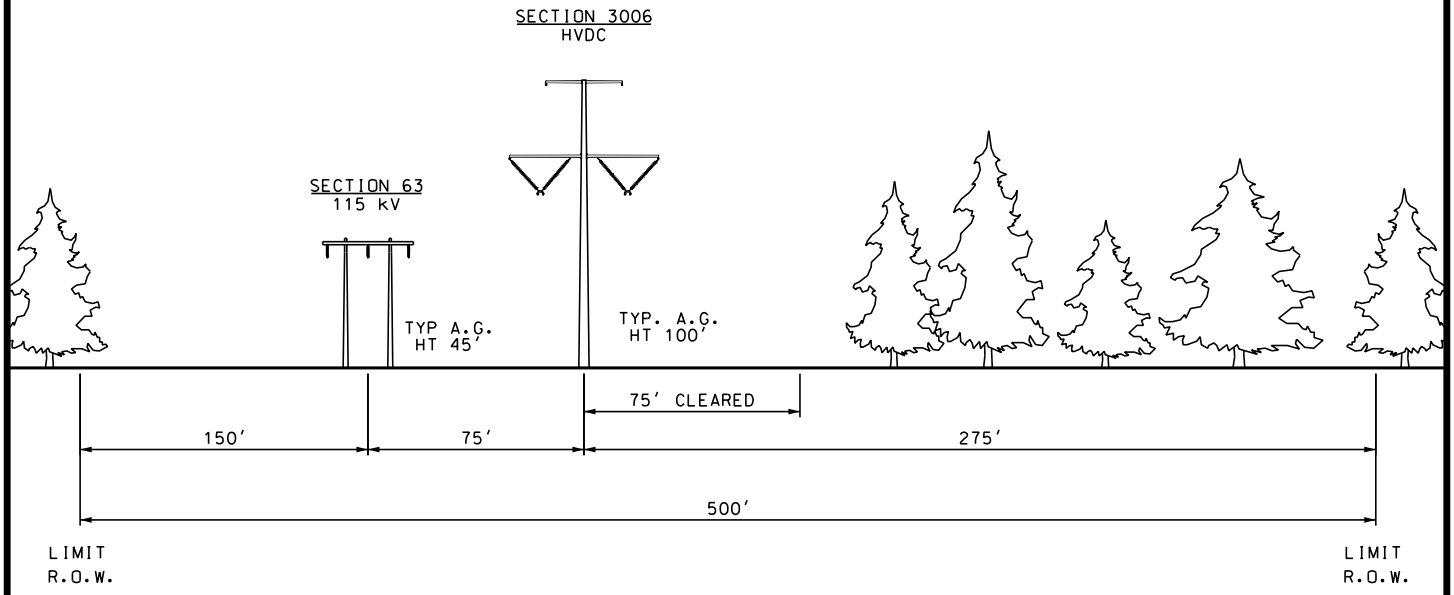
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 19.8 MILES)

PROPOSED



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 19.8 MILES)

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

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ENG. CONTRACTOR

NO.	REVISION	DATE	BY
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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

S63 POLE 7 TO S63 POLE 266

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 3

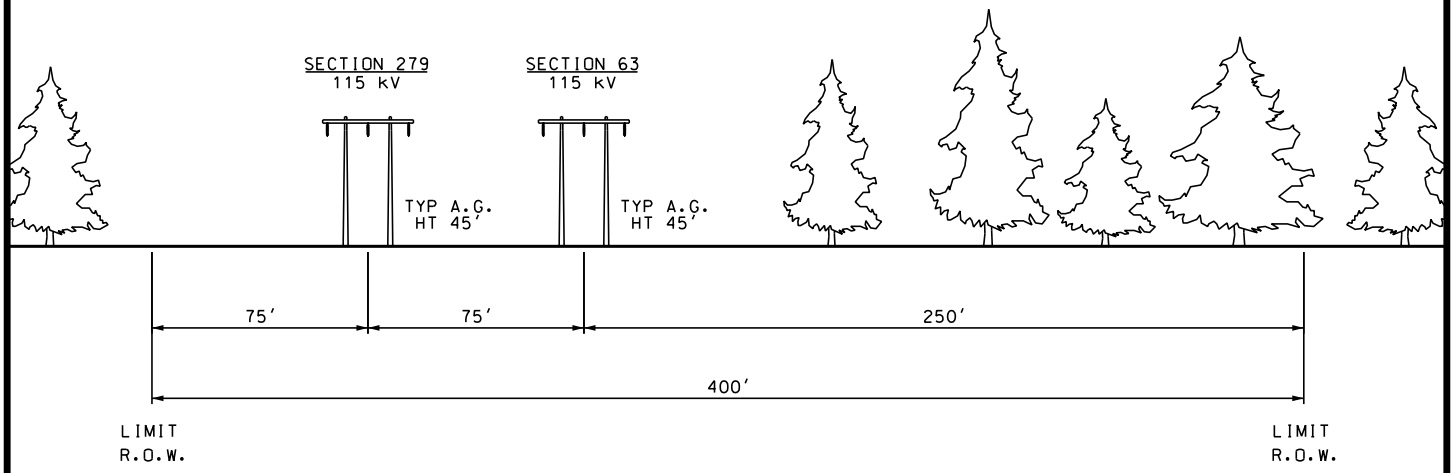
CHECKED	CRM 4/11/17	DESIGNED JAR	DATE 3/2/17
		DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 3

SHEET NECEC-5

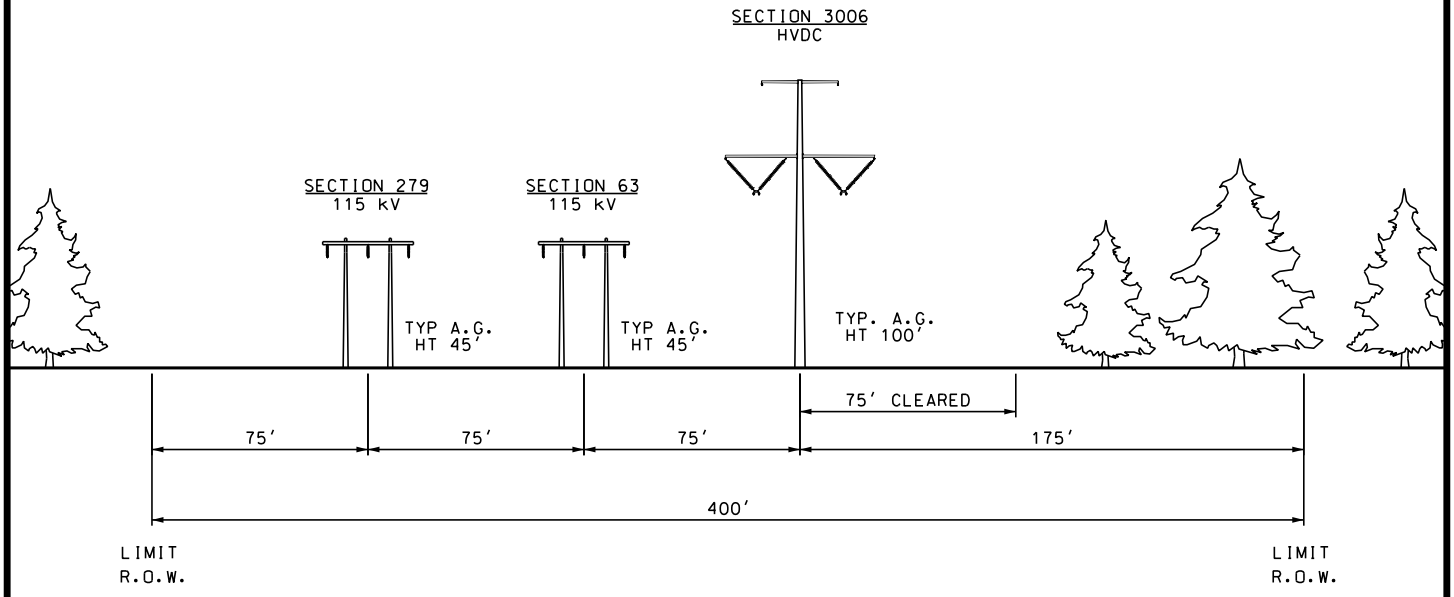
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 0.2 MILES)

PROPOSED



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 0.2 MILES)

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

S279 POLE 7 TO S279 POLE 4

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 3

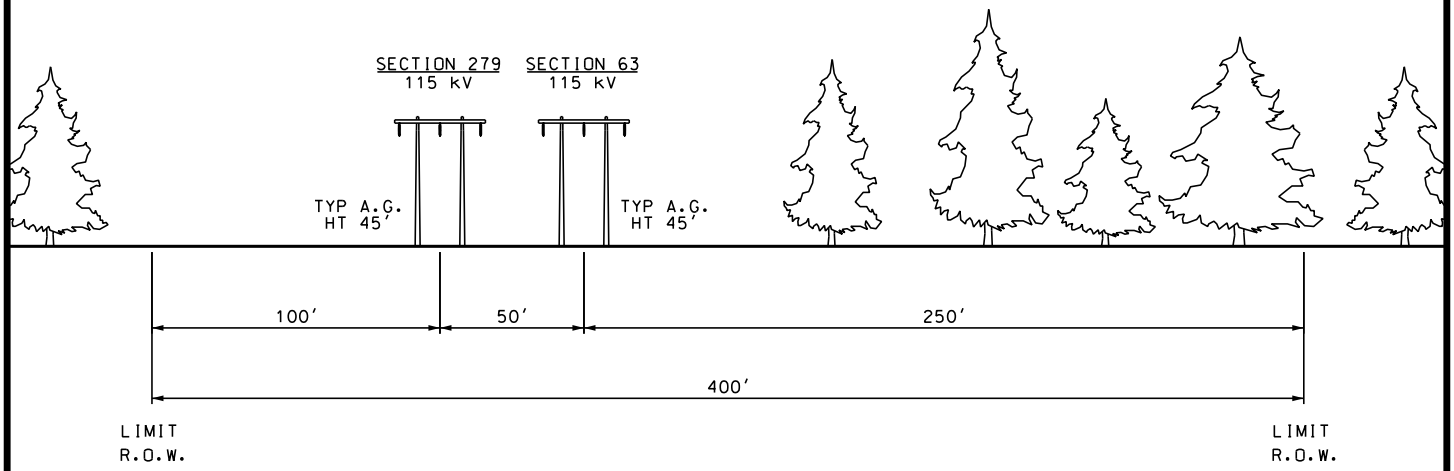
CHECKED		DESIGNED JAR	DATE 3/2/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 3

SHEET NECEC-6

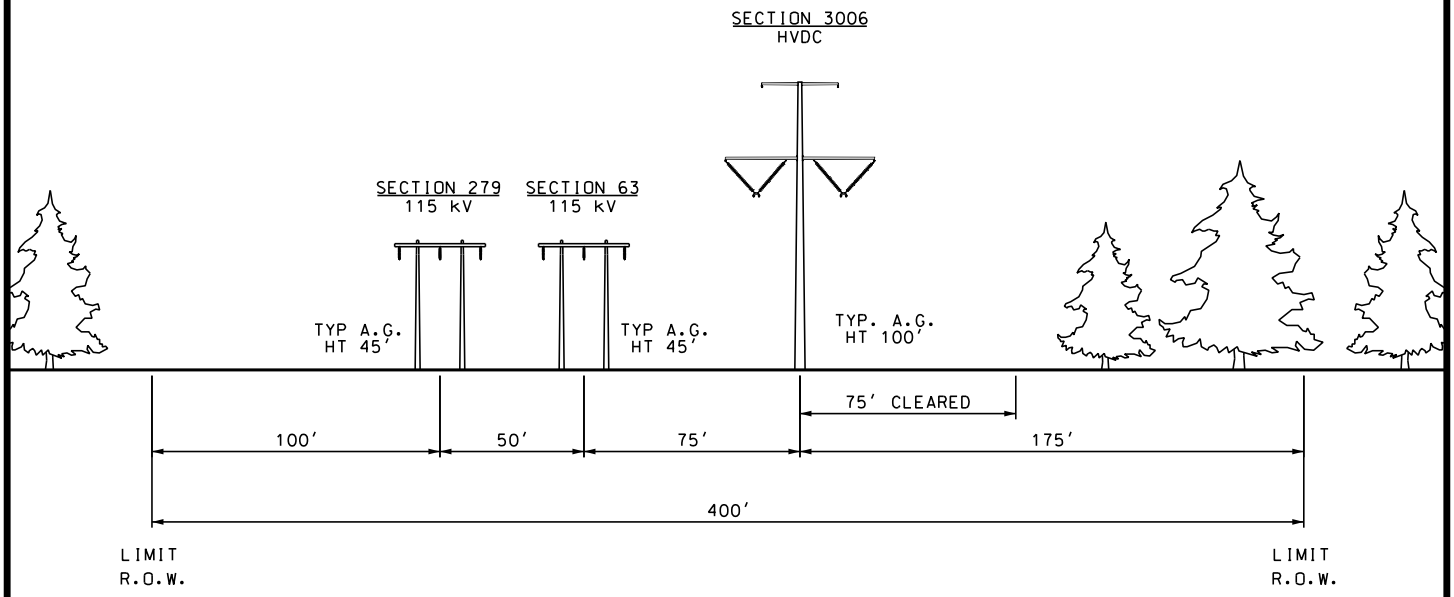
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 0.2 MILES)

PROPOSED



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 0.2 MILES)

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

S279 POLE 4 TO STARKS S/S

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 3

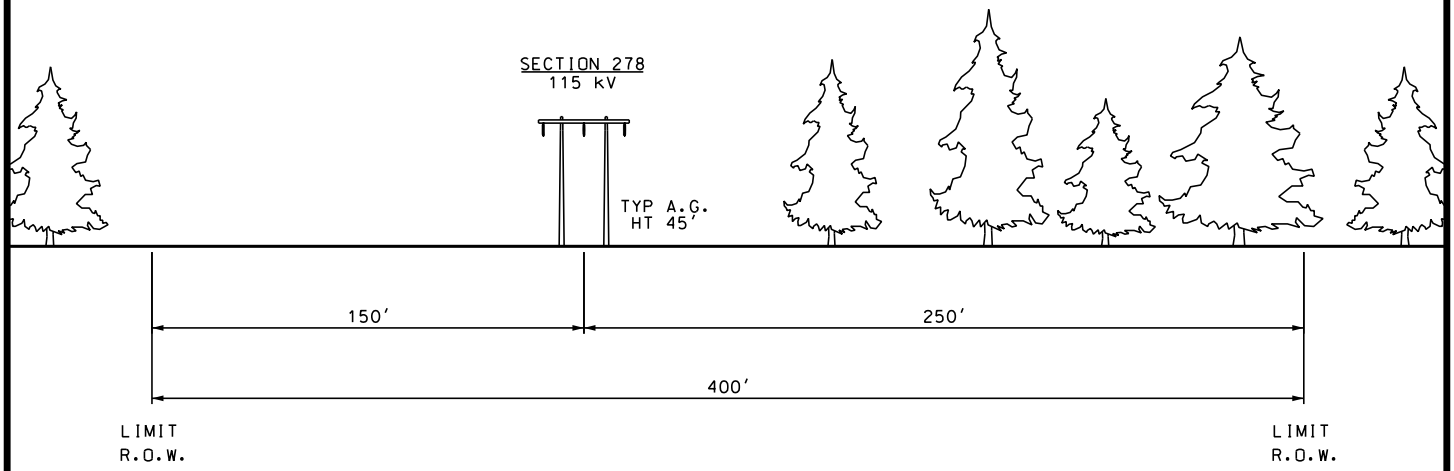
CHECKED		DESIGNED JAR	DATE 3/2/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 3

SHEET NECEC-7

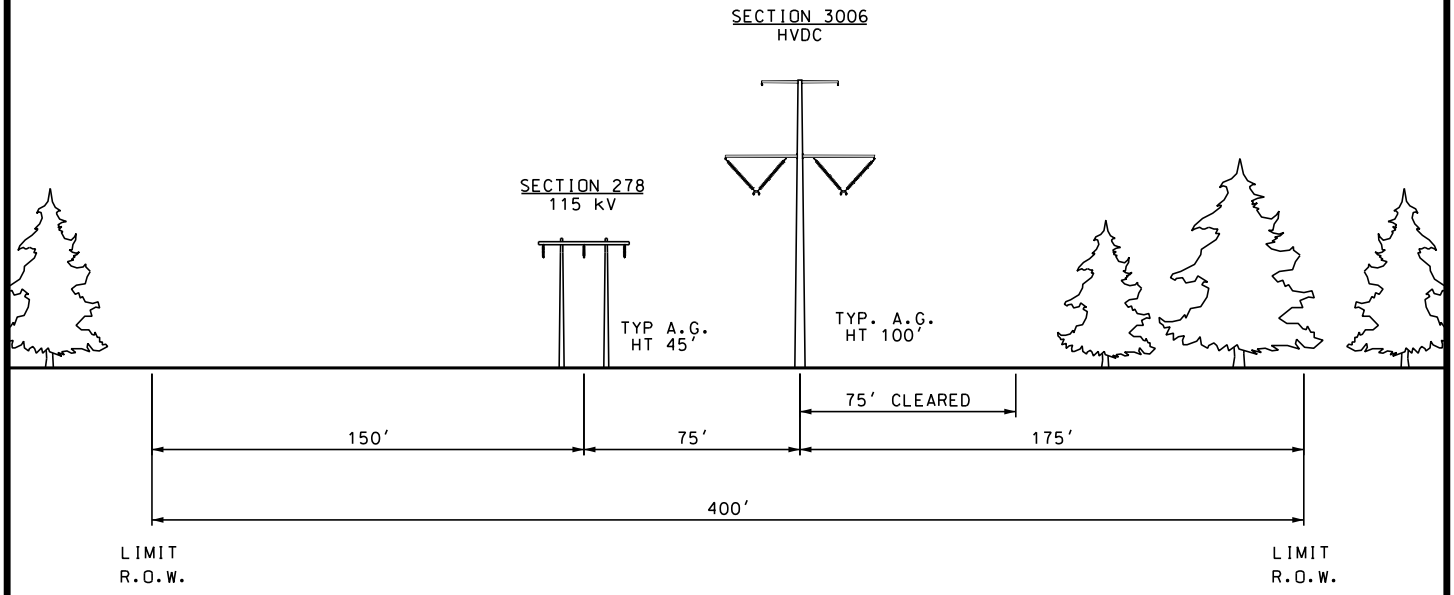
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 25.2 MILES)

PROPOSED



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 25.2 MILES)

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

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FOR REVIEW ONLY

ENG. CONTRACTOR

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

STARKS S/S TO S278 POLE 330

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 3

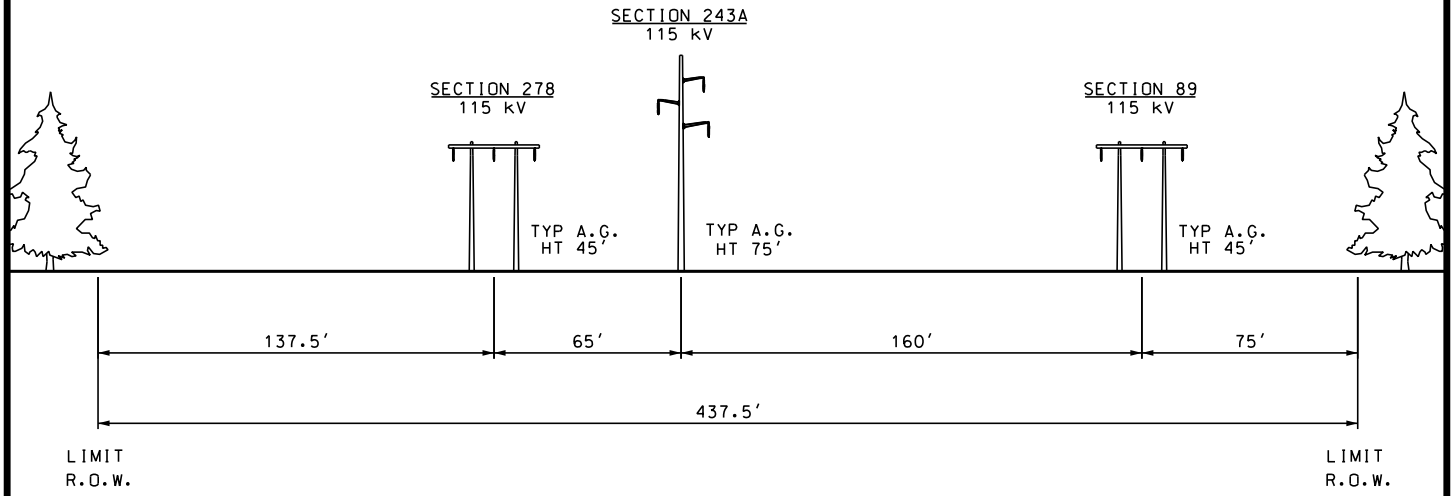
CHECKED		DESIGNED JAR	DATE 3/2/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 3

SHEET NECEC-8

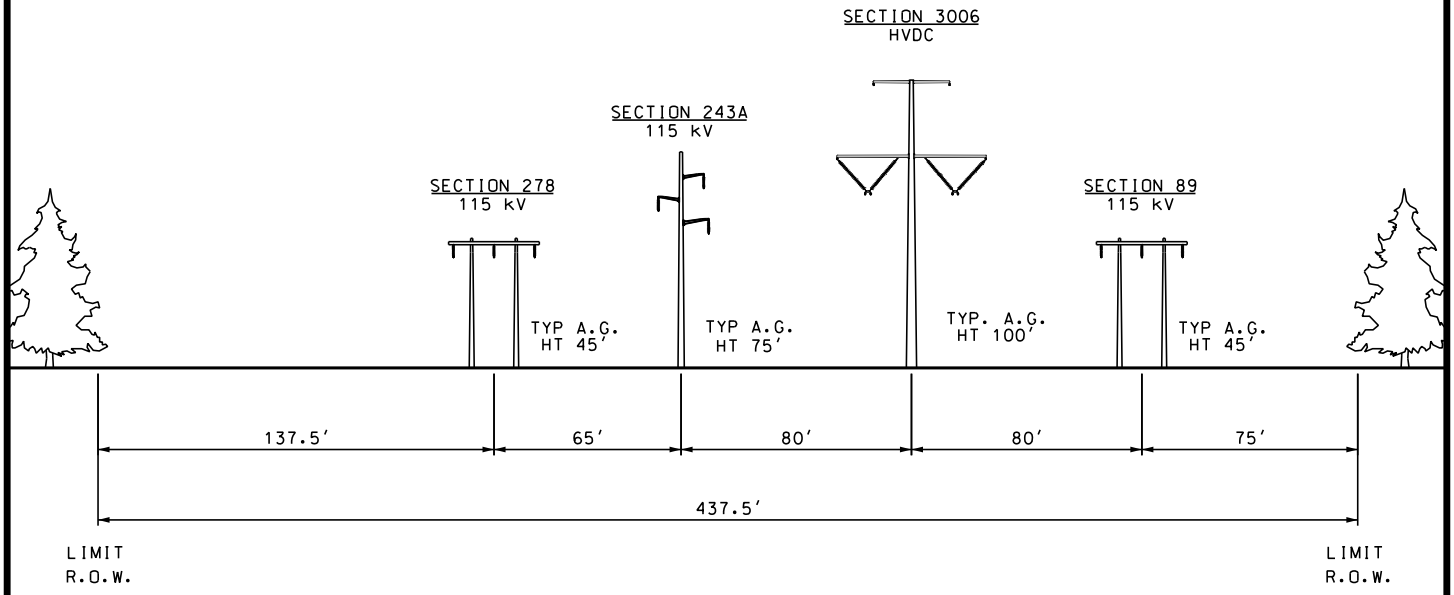
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 1.1 MILES)

PROPOSED



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 1.1 MILES)

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FOR REVIEW ONLY

ENG. CONTRACTOR

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

S278 POLE 330 TO LIVERMORE FALLS S/S

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 3

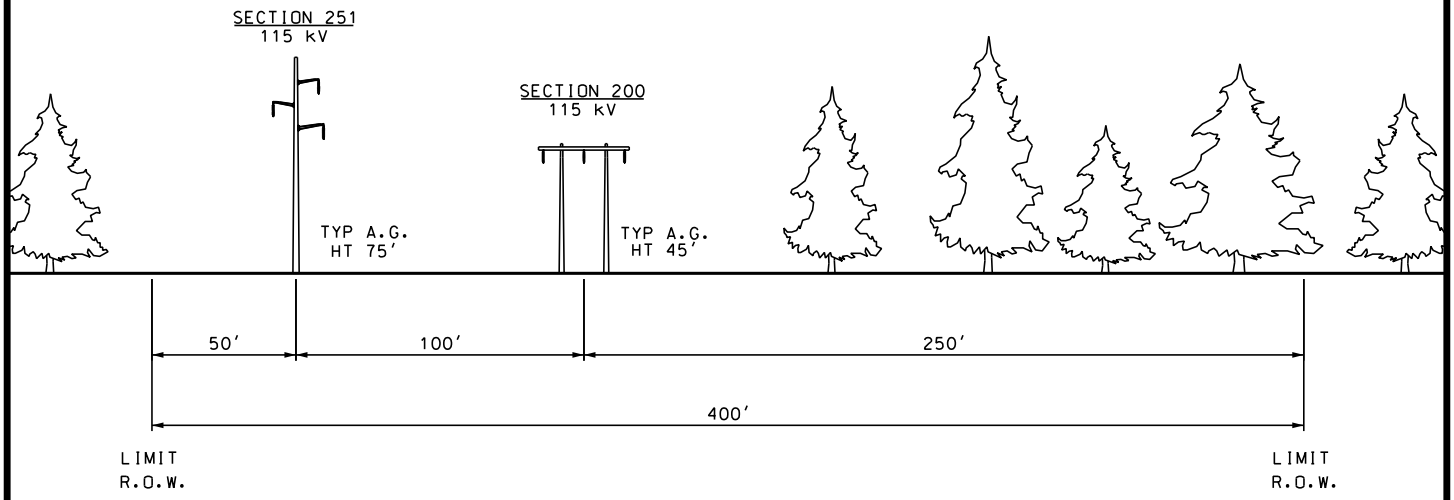
CHECKED	CRM 4/11/17	DESIGNED JAR	DATE 3/2/17
		DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 3

SHEET NECEC-9

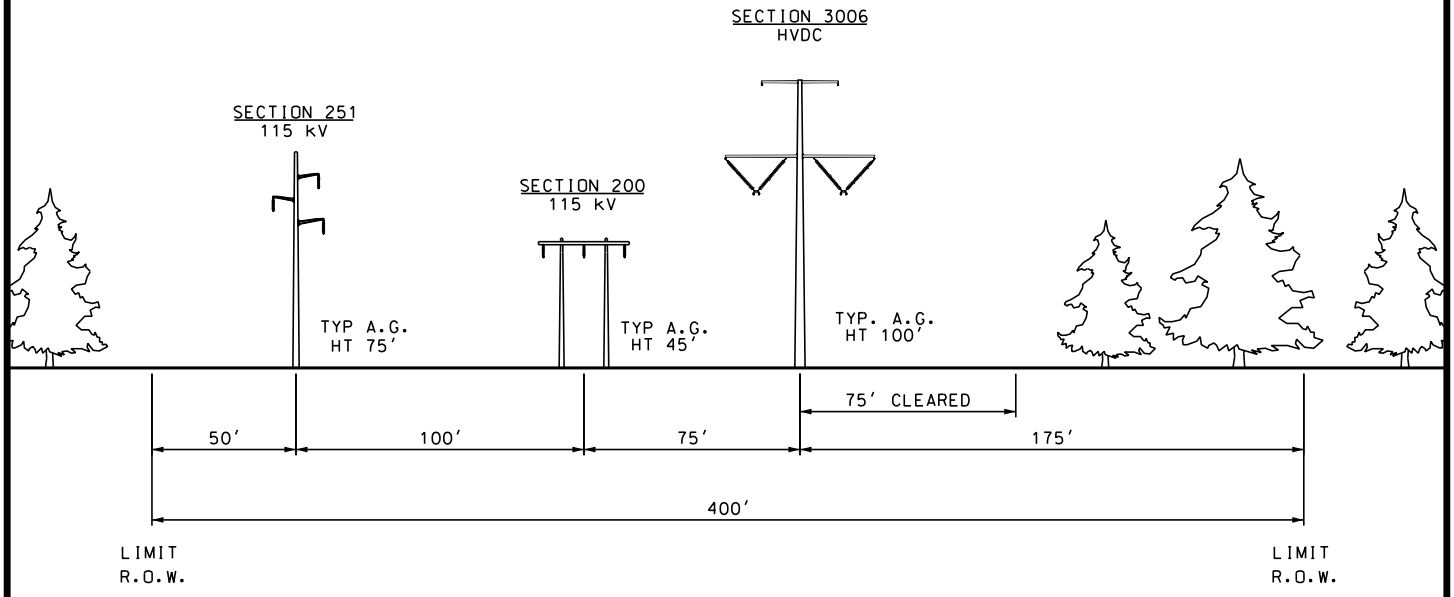
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 0.3 MILES)

PROPOSED



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 0.3 MILES)

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FOR REVIEW ONLY

ENG. CONTRACTOR

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

LIVERMORE FALLS S/S TO S251 POLE 4

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 3

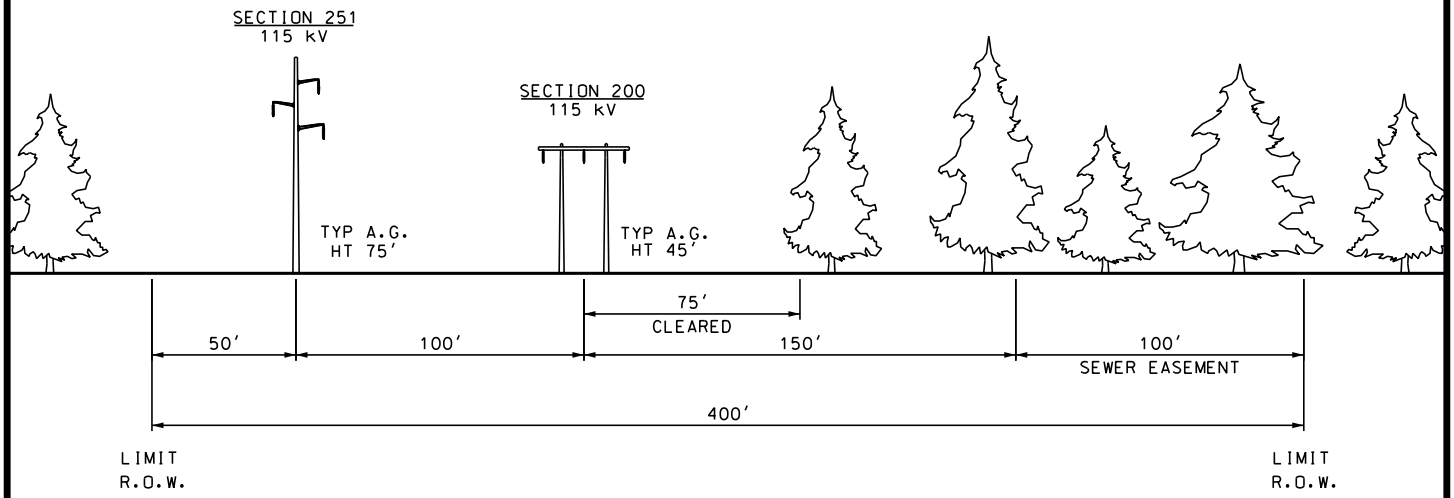
CHECKED	CRM 4/11/17	DESIGNED JAR	DATE 3/2/17
		DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 3

SHEET NECEC-10

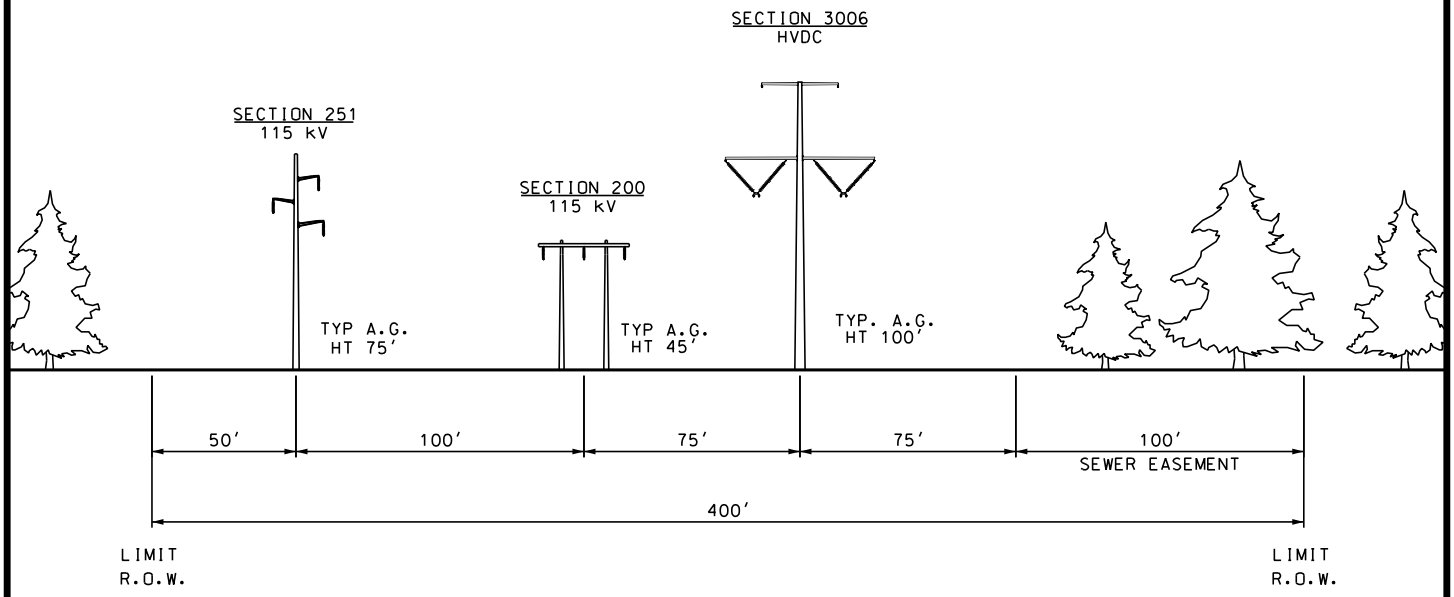
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 0.1 MILES)

PROPOSED



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 0.1 MILES)

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

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FOR REVIEW ONLY

ENG. CONTRACTOR

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

S251 POLE 4 TO S251 POLE 5

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 3

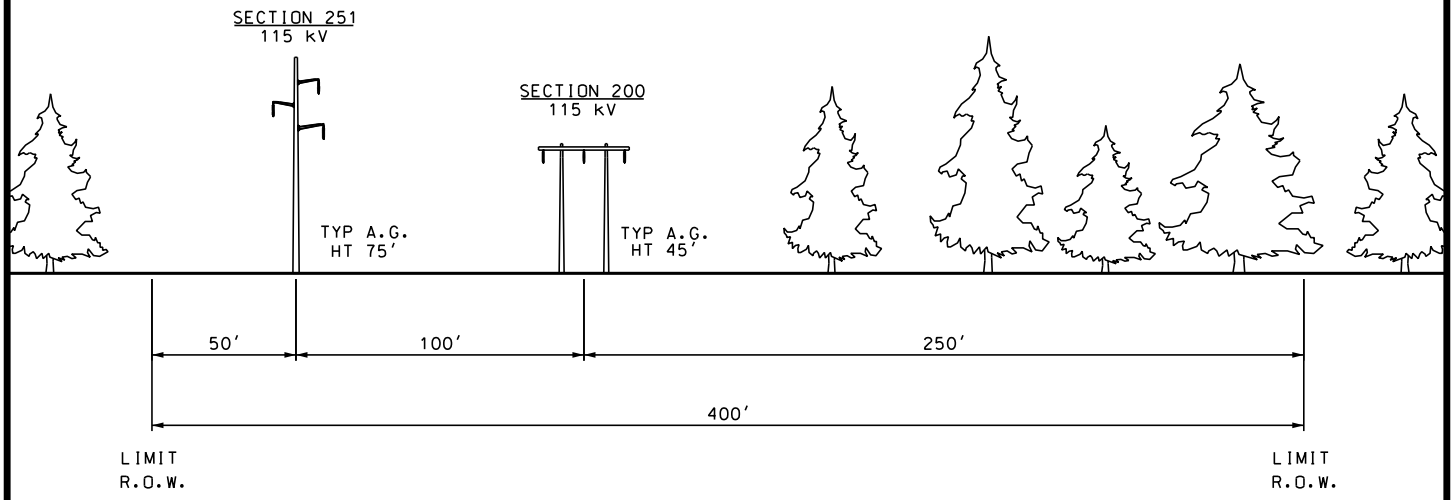
CHECKED		DESIGNED JAR	DATE 3/2/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 3

SHEET NECEC-11

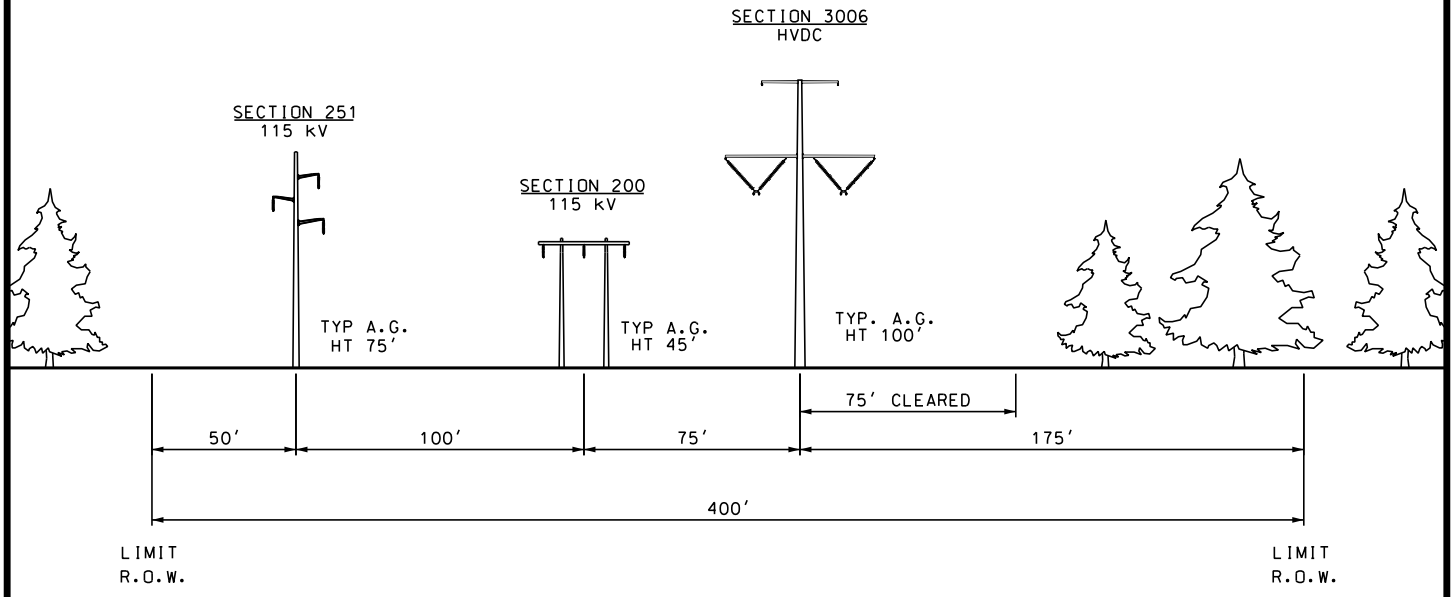
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 4.2 MILES)

PROPOSED



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 4.2 MILES)

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ENG. CONTRACTOR

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

S251 POLE 5 TO S251 POLE 56

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 3

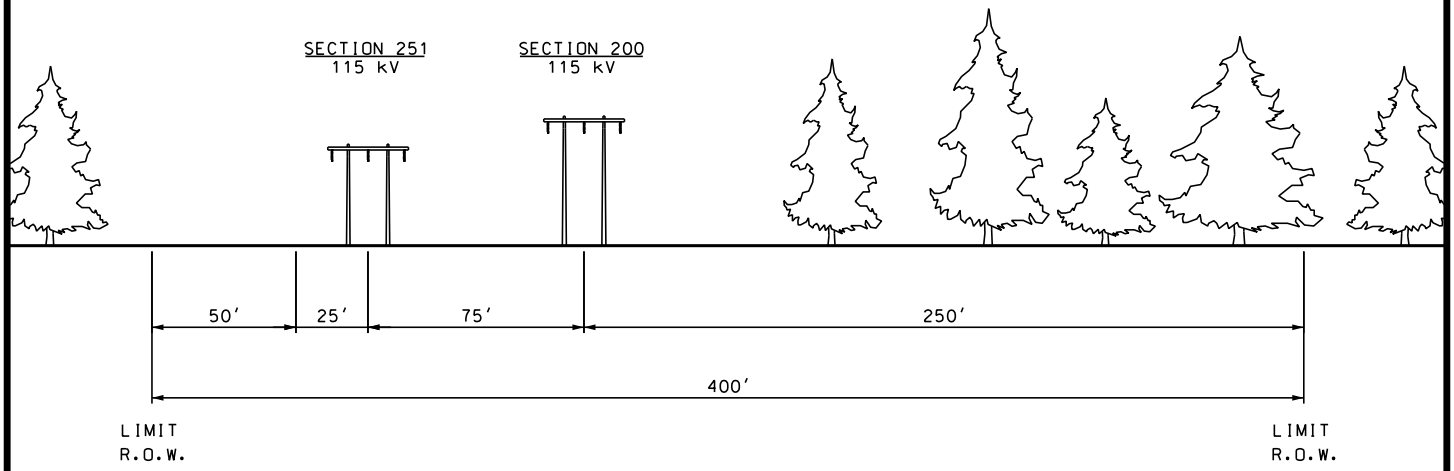
CHECKED		DESIGNED JAR	DATE 3/2/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 3

SHEET NECEC-12

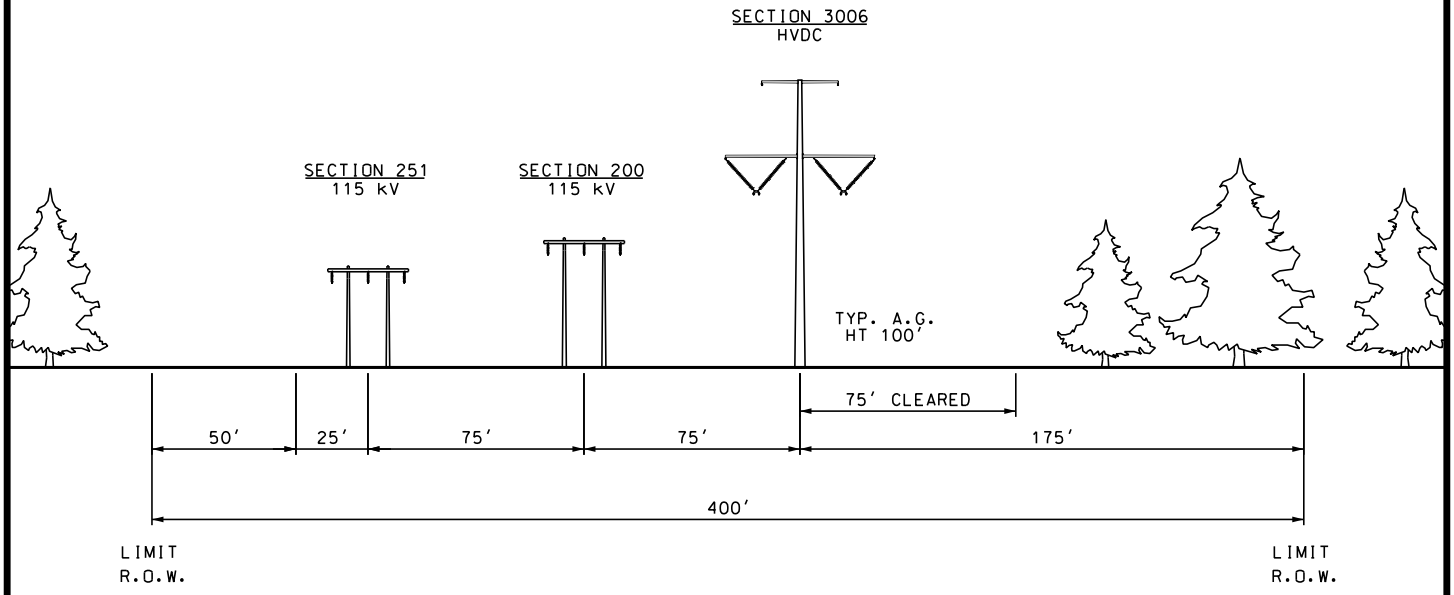
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 0.8 MILES)

PROPOSED



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 0.8 MILES)

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

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ENG. CONTRACTOR

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

S251 POLE 56 TO S251 POLE 65

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 3

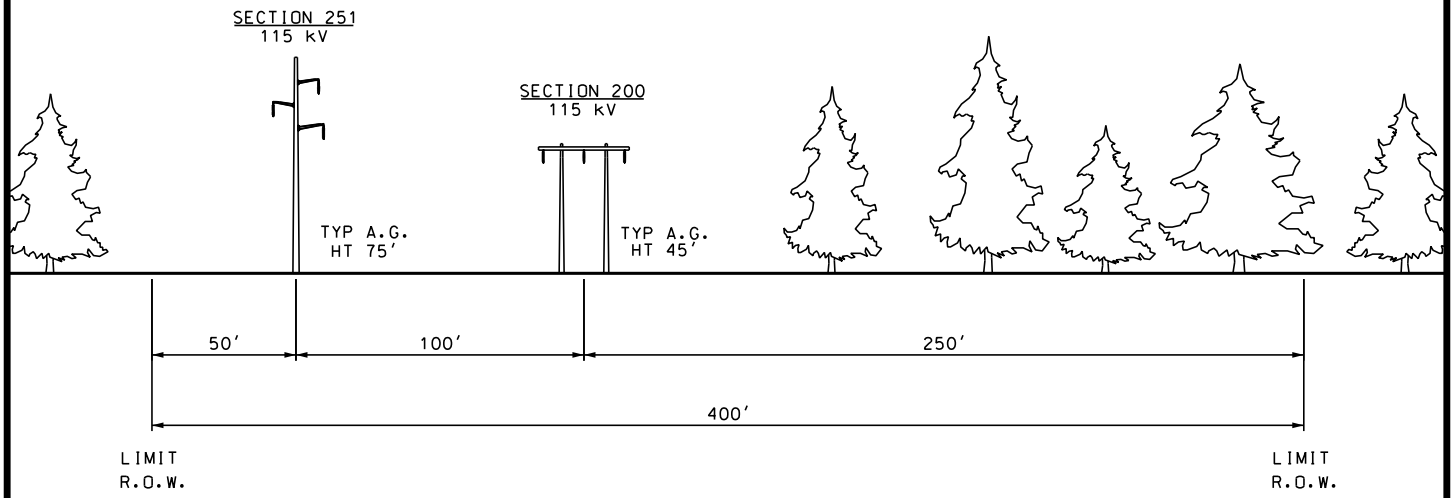
CHECKED		DESIGNED JAR	DATE 3/2/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 3

SHEET NECEC-13

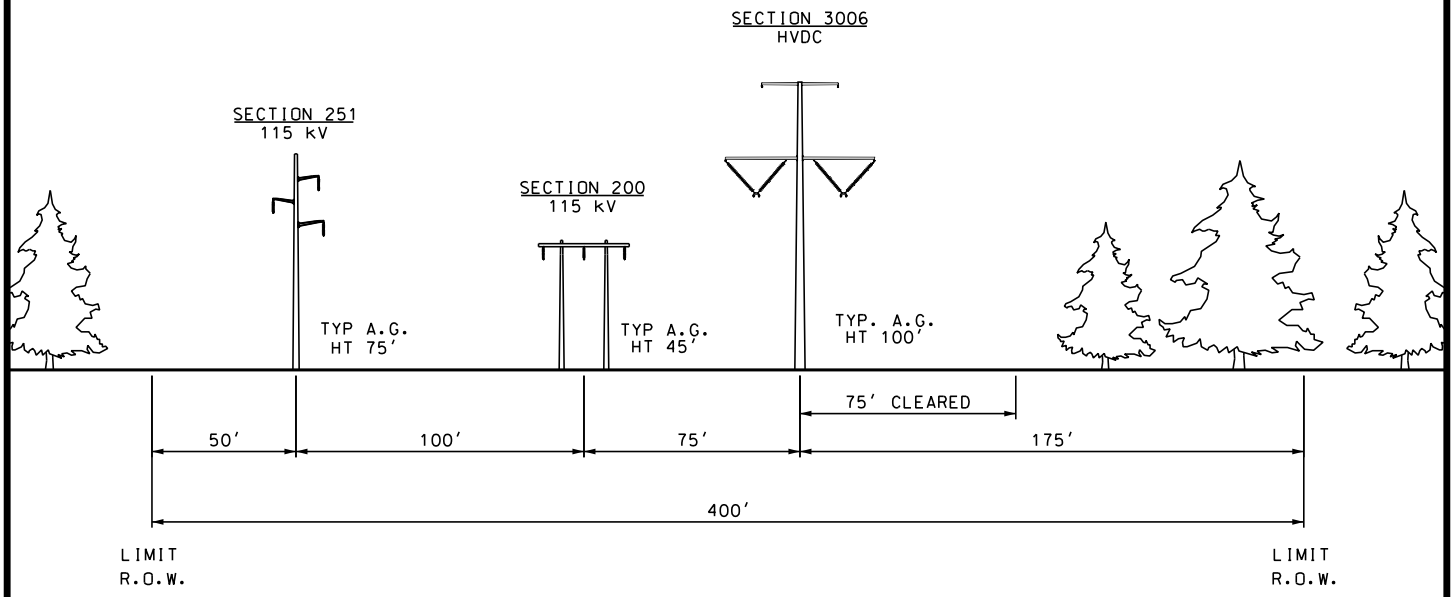
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 17.8 MILES)

PROPOSED



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 17.8 MILES)

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

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FOR REVIEW ONLY

ENG. CONTRACTOR

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

S251 POLE 65 TO S251 POLE 291

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 3

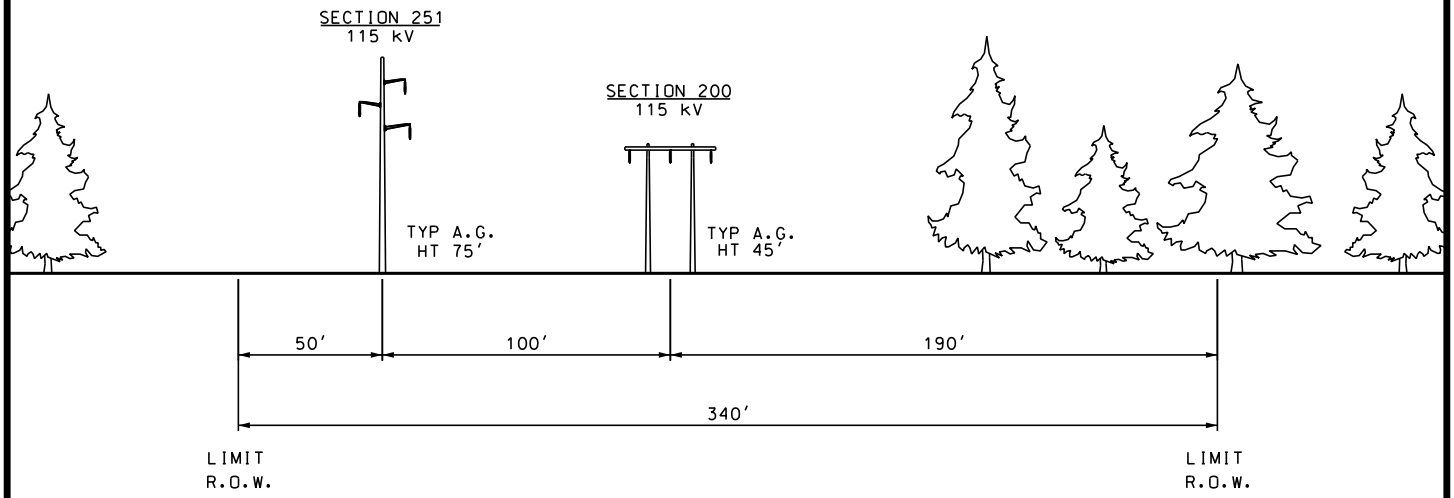
CHECKED		DESIGNED JAR	DATE 3/2/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 3

SHEET NECEC-14

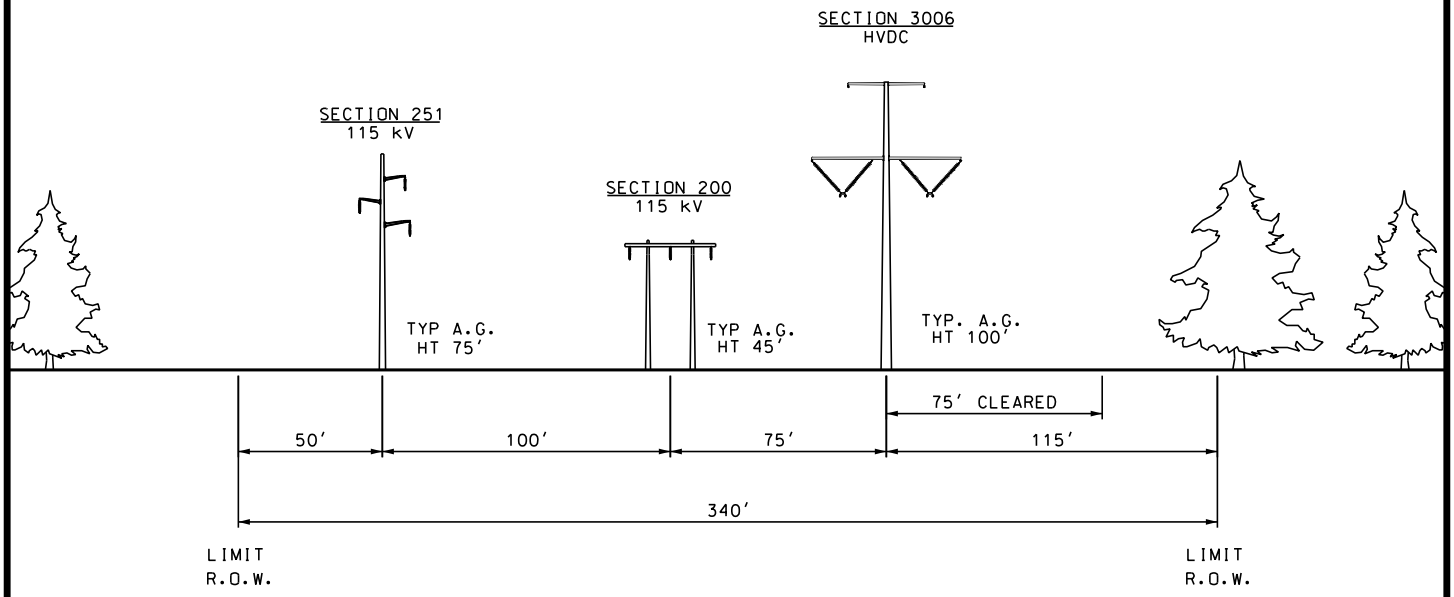
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 0.3 MILES)

PROPOSED



LOOKING FROM WYMAN HYDRO S/S TOWARDS MERRILL S/S
(APPROX. 0.3 MILES)

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

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FOR REVIEW ONLY

ENG. CONTRACTOR

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

S251 POLE 291 TO S251 POLE 295

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 3

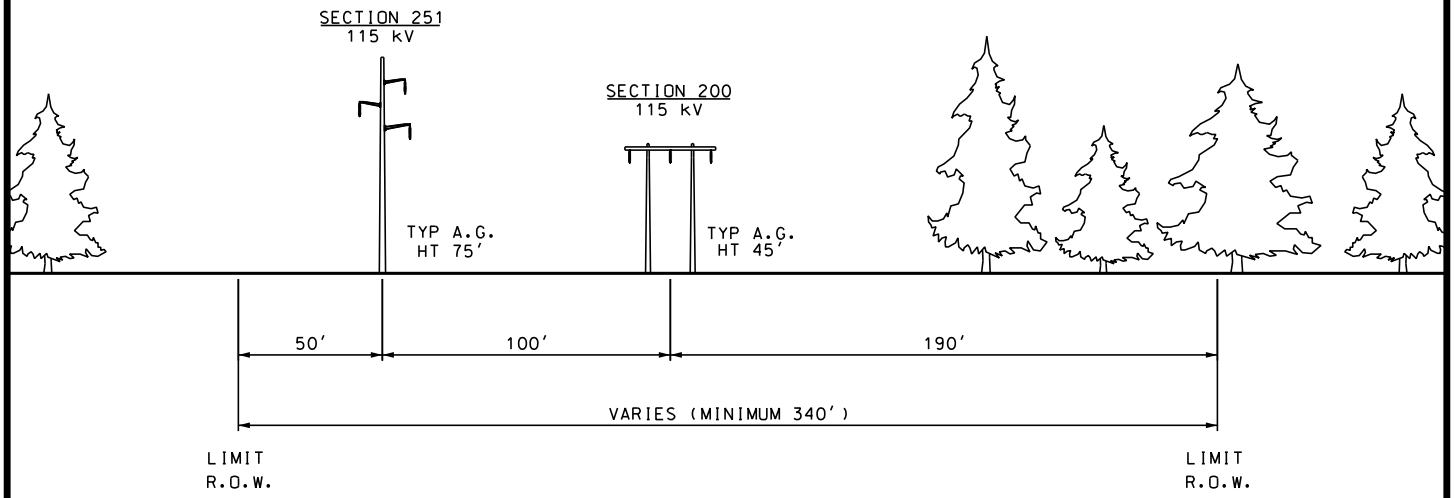
CHECKED		DESIGNED JAR	DATE 3/2/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 3

SHEET NECEC-15

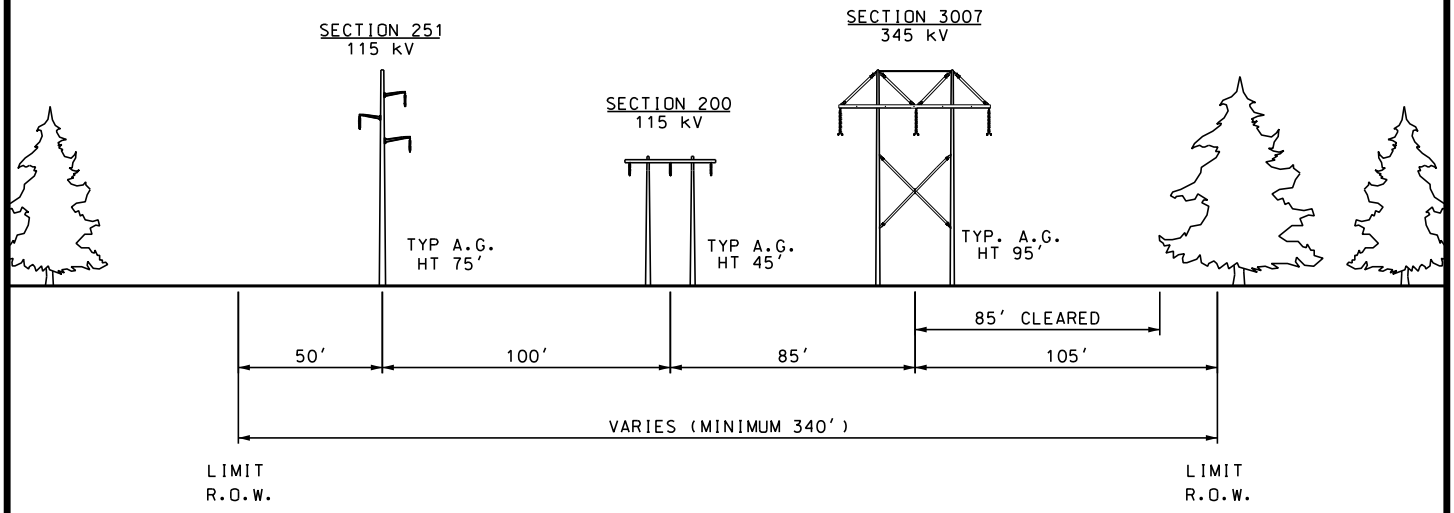
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM MERRILL S/S TOWARDS LARRABEE ROAD S/S
(APPROX. 1.2 MILES)

PROPOSED



LOOKING FROM MERRILL S/S TOWARDS LARRABEE ROAD S/S
(APPROX. 1.2 MILES)

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

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FOR REVIEW ONLY

ENG. CONTRACTOR

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

S251 POLE 295 TO LARRABEE RD.

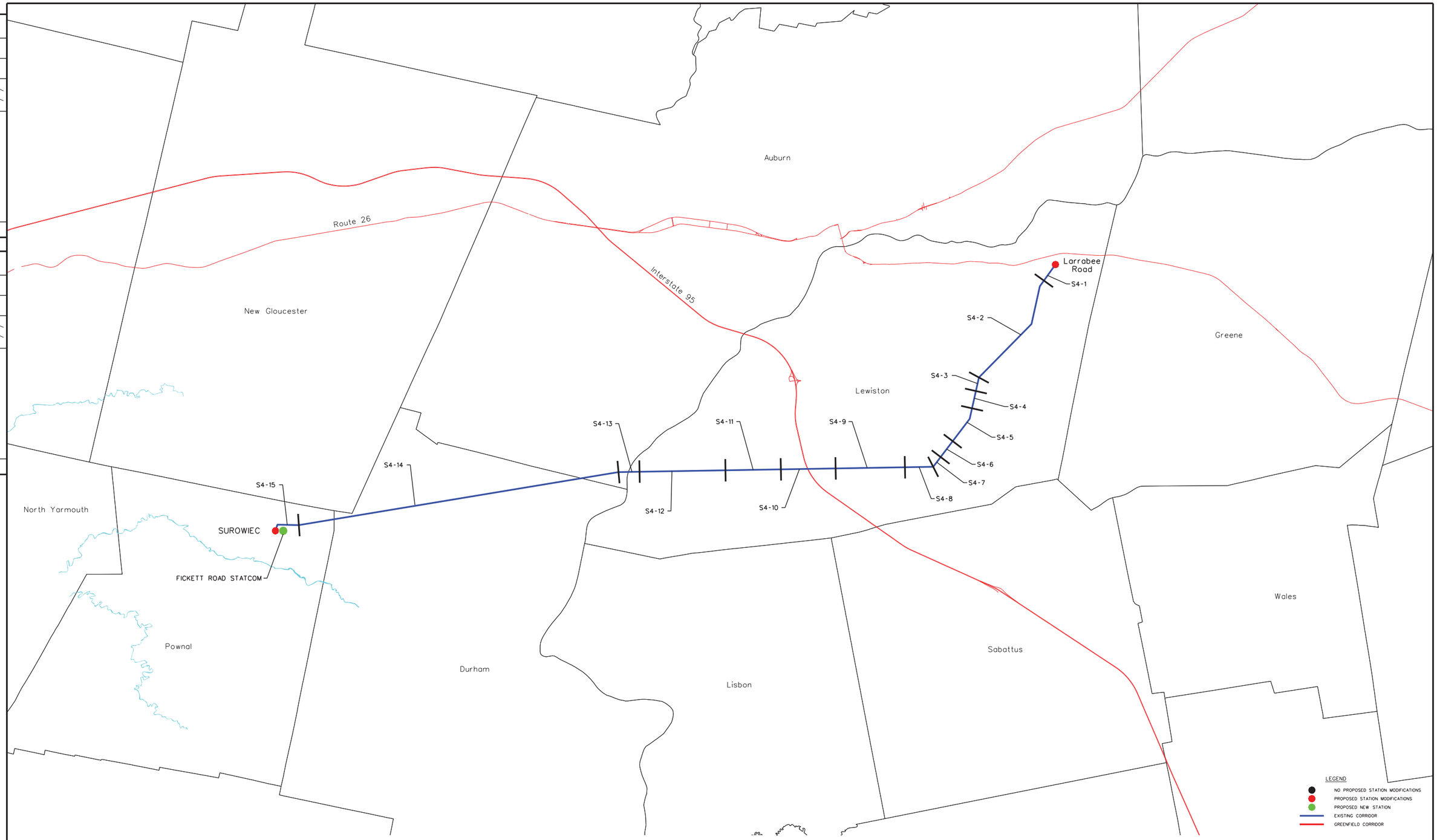
NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 3

CHECKED		DESIGNED JAR	DATE 3/2/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 3

SHEET NECEC-16



NO.	REVISION	DATE	BY	CK	P.E.
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THIS DRAWING SHALL BE REVISED ONLY CADD SYSTEM ONLY

0 4000 8000 12000 FEET

1"= 4000'

PRELIMINARY
NOT FOR CONSTRUCTION

This document and any attachments are considered:
BUSINESS CONFIDENTIAL
PROTECTED CRITICAL INFRASTRUCTURE INFORMATION

REFERENCE DRAWINGS

NO.	REVISION	DATE	BY	CK	P. E. STAMPED BY	P. E. No.
1	ISSUED FOR RFP RESPONSE	9/19/17	PEI	CRM		

Professional Engineer Seal

DESIGNED JAR
DRAWN PEI
CHECKED CRM
APPROVED /
REVIEWED

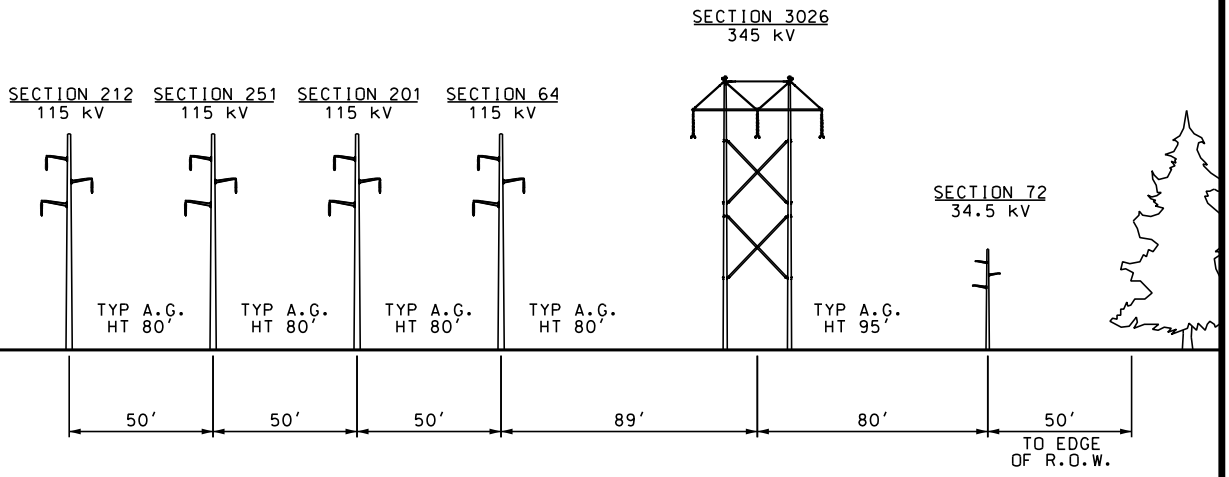
NEW ENGLAND CLEAN ENERGY CONNECT PROPOSED SUROWIEC SUBSTATION TO LARRABEE ROAD SUBSTATION KEY MAP

CENTRAL MAINE POWER COMPANY
SYSTEM ENGINEERING
CENTRAL MAINE POWER
DATE: 4/10/17 SCALE:AS NOTED

SK-SR-LR-KEY
REV 1

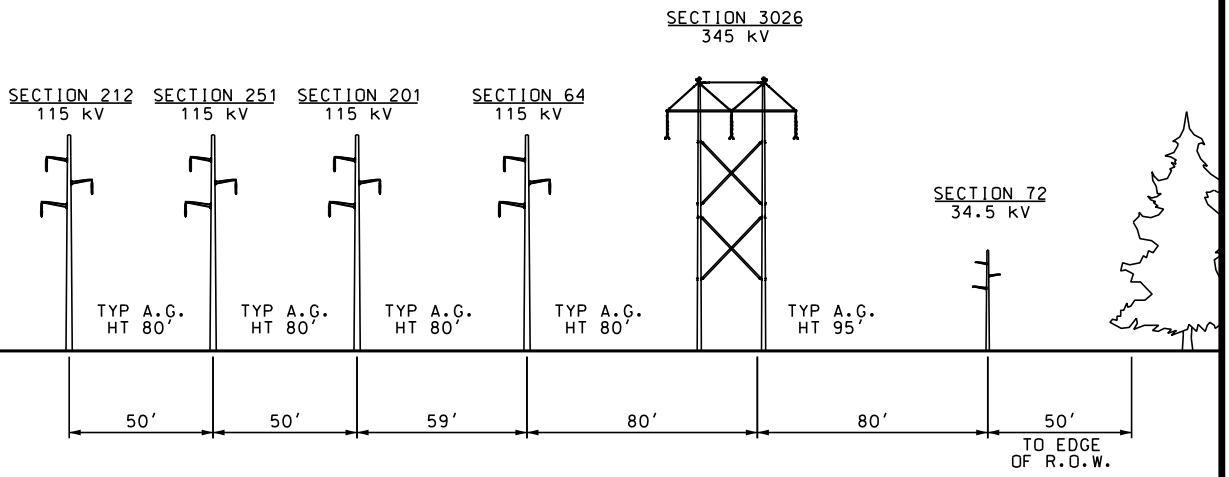
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. .35 MILES)

PROPOSED



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. .35 MILES)

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

-DRAFT-
FOR REVIEW ONLY

ENG. CONTRACTOR

NO.	REVISION	DATE	BY
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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 3026 | LARRABEE ROAD TO POLE 4 | STA 0+00 TO 18+24.68

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 4

CHECKED		DESIGNED CRM	DATE 4/11/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

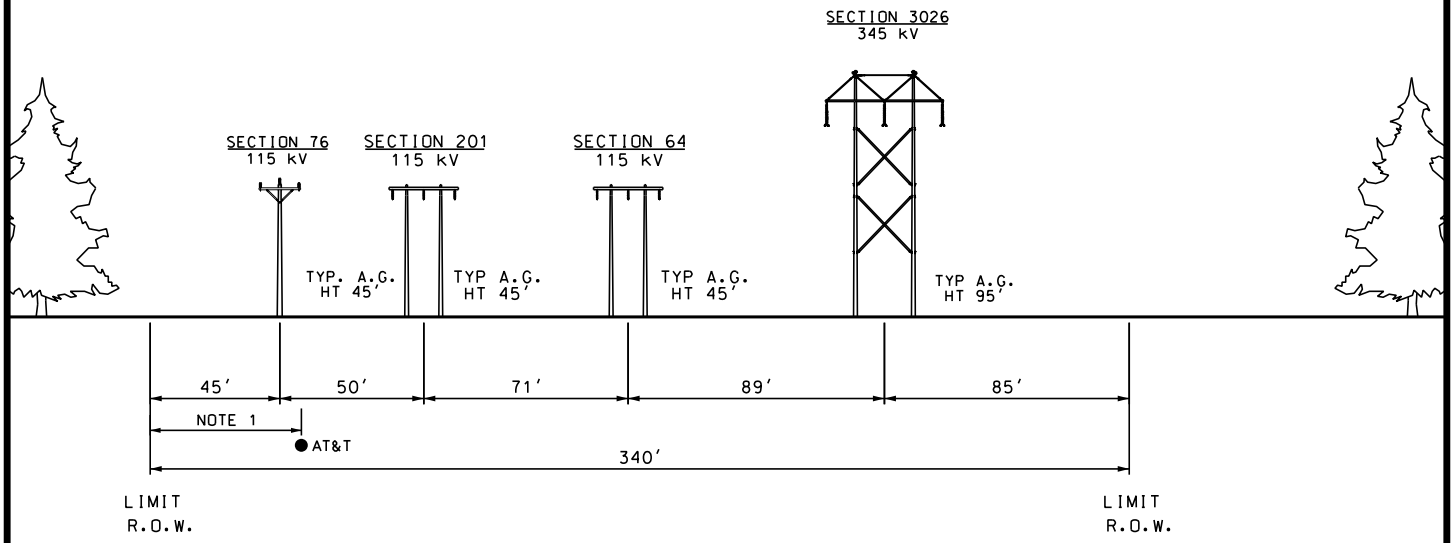
SEGMENT 4

SHEET S4-1

NOTE:
1. UNDERGROUND FIBER OPTIC CABLE LOCATION VARIES ALONG R.O.W.

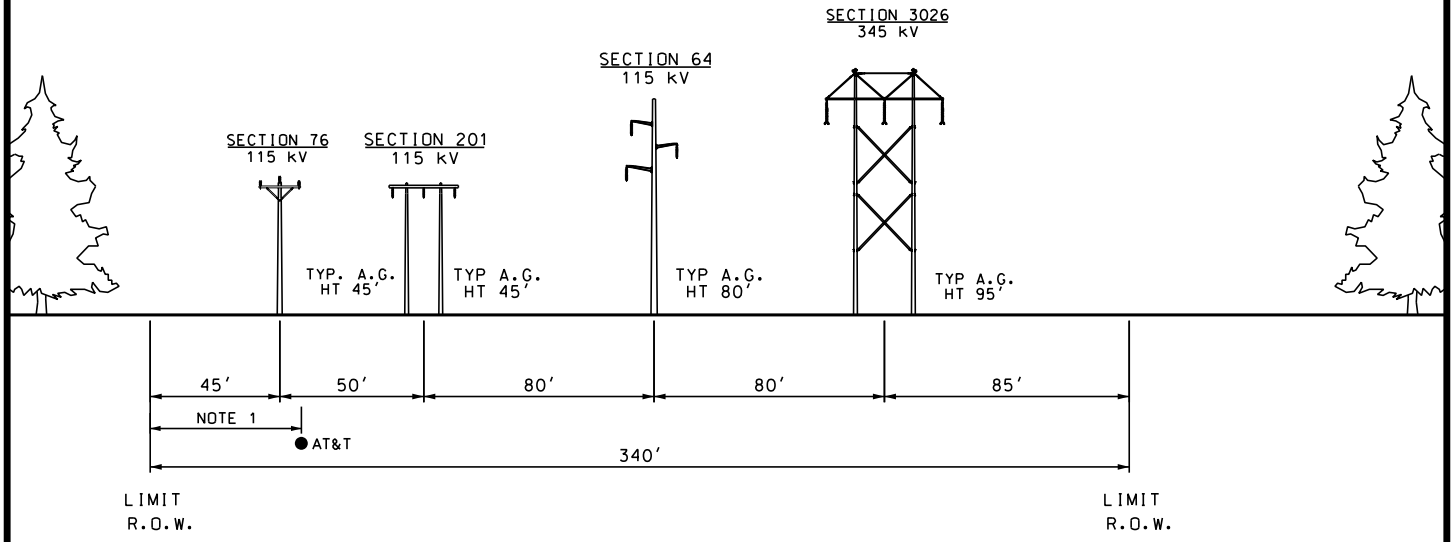
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. 1.96 MILES)

PROPOSED



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. 1.96 MILES)

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

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FOR REVIEW ONLY

ENG. CONTRACTOR

NO.	REVISION	DATE	BY
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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 3026	POLE 4 TO 21	STA 18+24.68 TO 121+80.99

NEW ENGLAND CLEAN ENERGY CONNECT

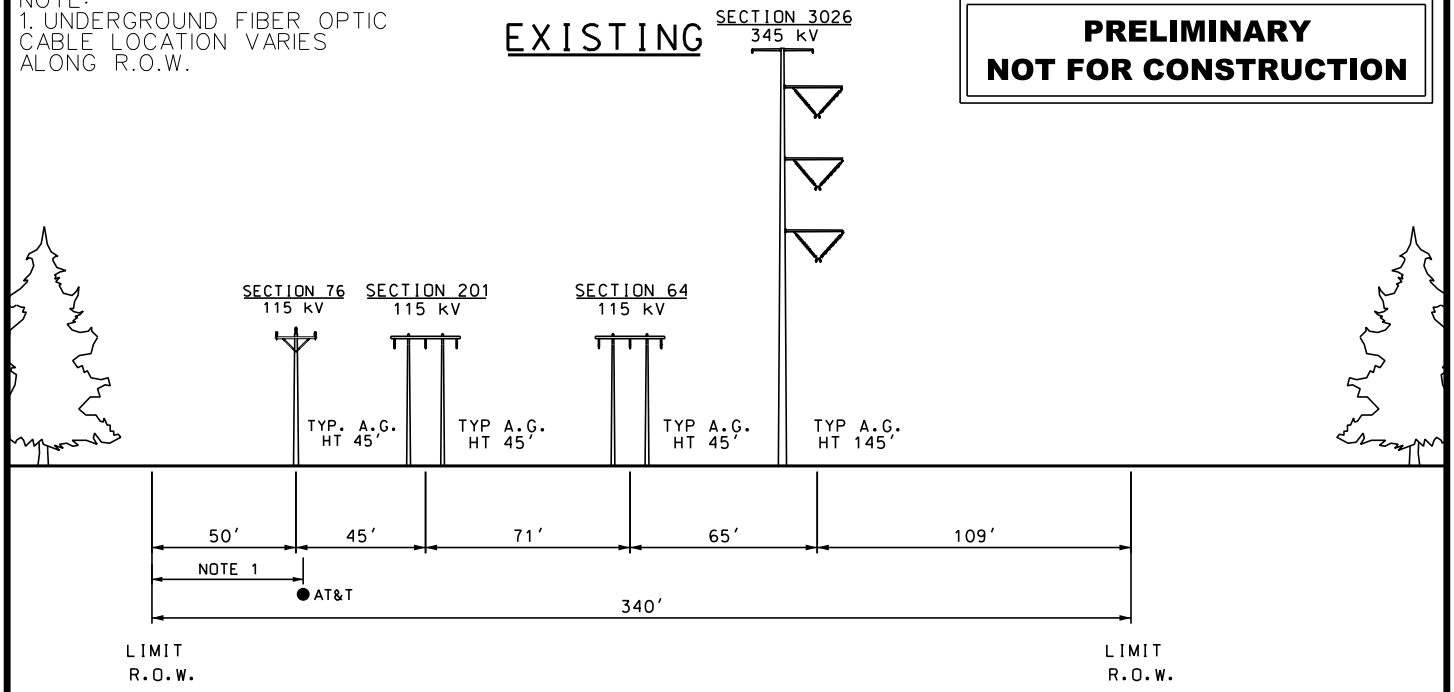
EXISTING AND PROPOSED R.O.W.
SEGMENT 4

CHECKED		DESIGNED CRM	DATE 4/11/17	SEGMENT 4
CRM	4/11/17	DRAWN SCF	APPR.	
SCALE	NTS	CENTRAL MAINE POWER		SHEET S4-2

NOTE:
1. UNDERGROUND FIBER OPTIC CABLE LOCATION VARIES ALONG R.O.W.

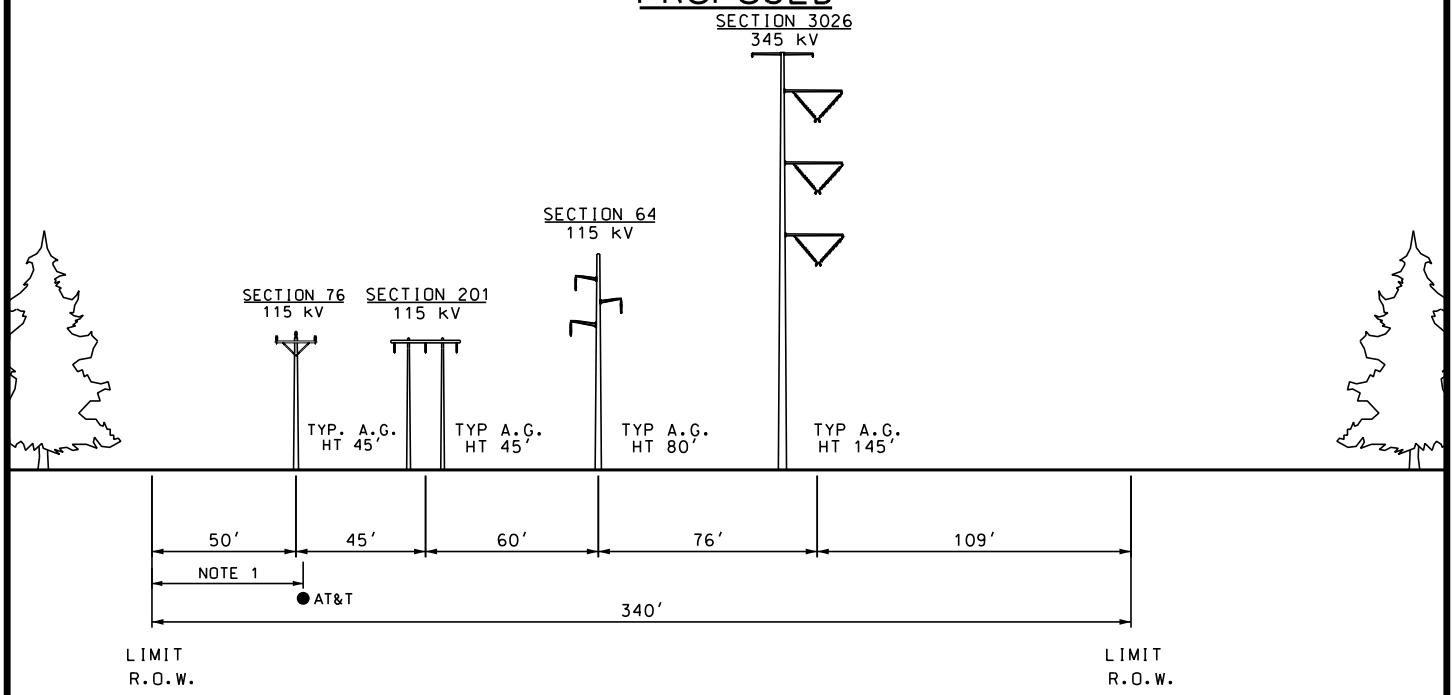
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. .27 MILES)

PROPOSED



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. .27 MILES)

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

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ENG. CONTRACTOR

NO.	REVISION	DATE	BY
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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 3026	POLE 21 TO 23	STA 121+80.99 TO 135+80.89

NEW ENGLAND CLEAN ENERGY CONNECT

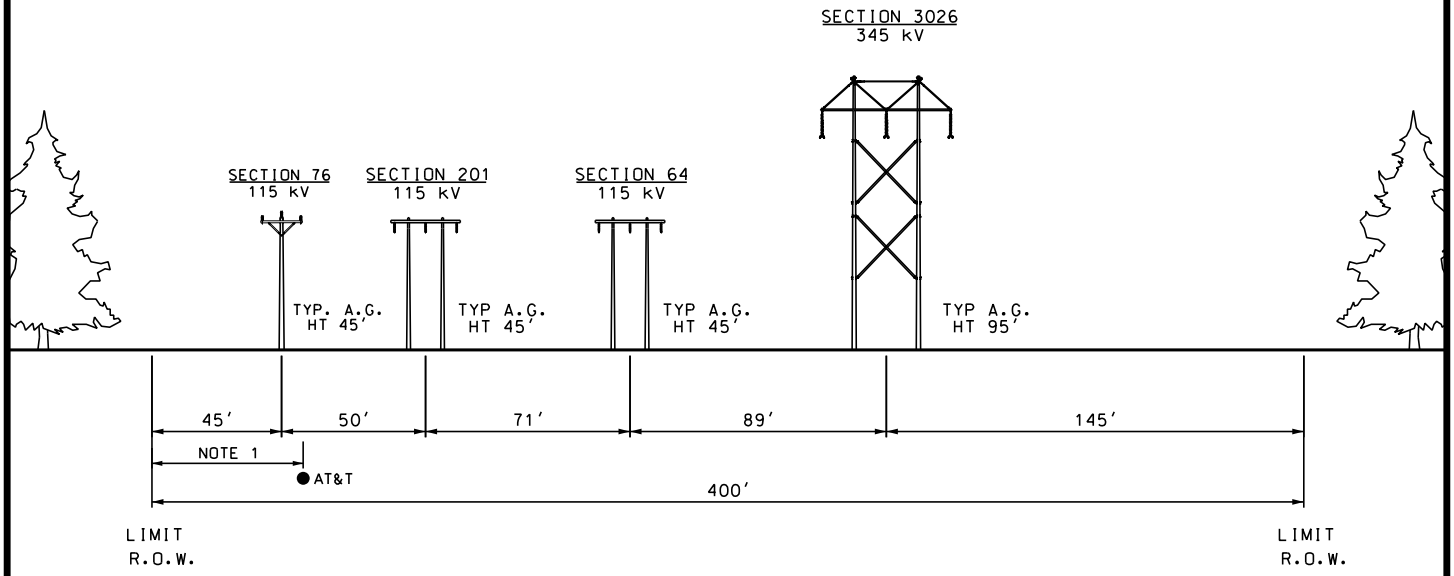
EXISTING AND PROPOSED R.O.W.
SEGMENT 4

CHECKED		DESIGNED CRM	DATE 4/11/17	SEGMENT 4
CRM	4/11/17	DRAWN SCF	APPR.	
SCALE	NTS	CENTRAL MAINE POWER		SHEET S4-3

NOTE:
1. UNDERGROUND FIBER OPTIC CABLE LOCATION VARIES ALONG R.O.W.

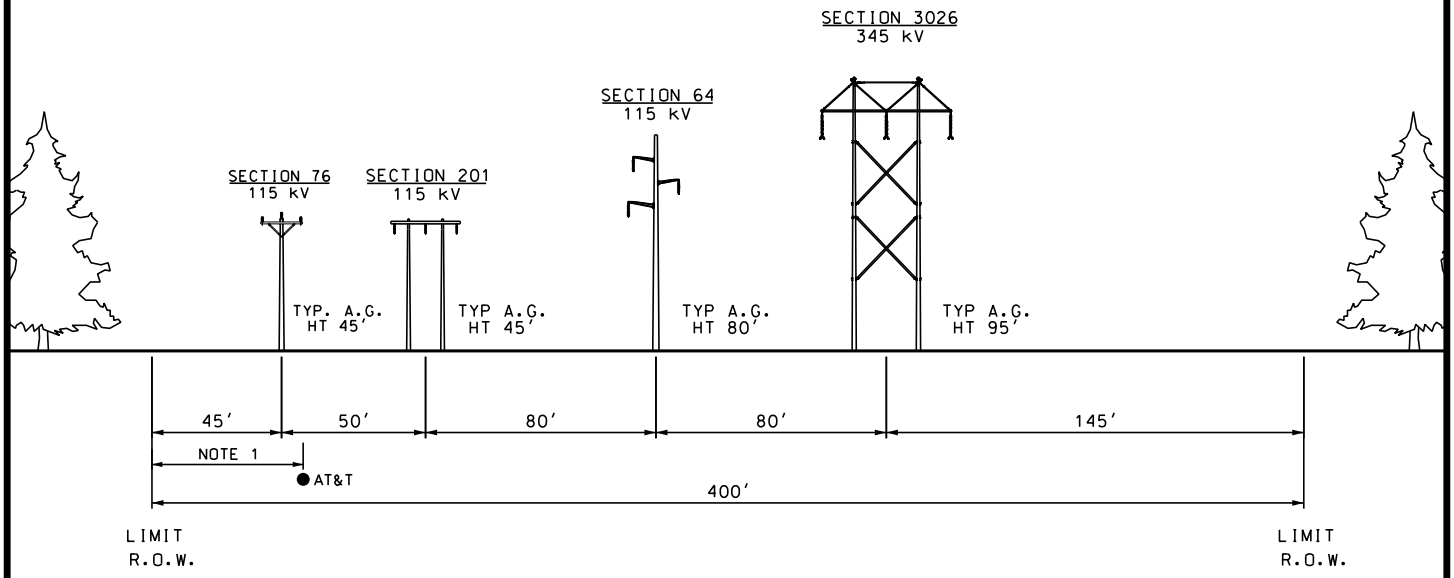
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. .31 MILES)

PROPOSED



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. .31 MILES)

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

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FOR REVIEW ONLY

ENG. CONTRACTOR

NO.	REVISION	DATE	BY
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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 3026 | POLE 23 TO 26 | STA 135+80.89 TO 152+13

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 4

CHECKED		DESIGNED CRM	DATE 4/11/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

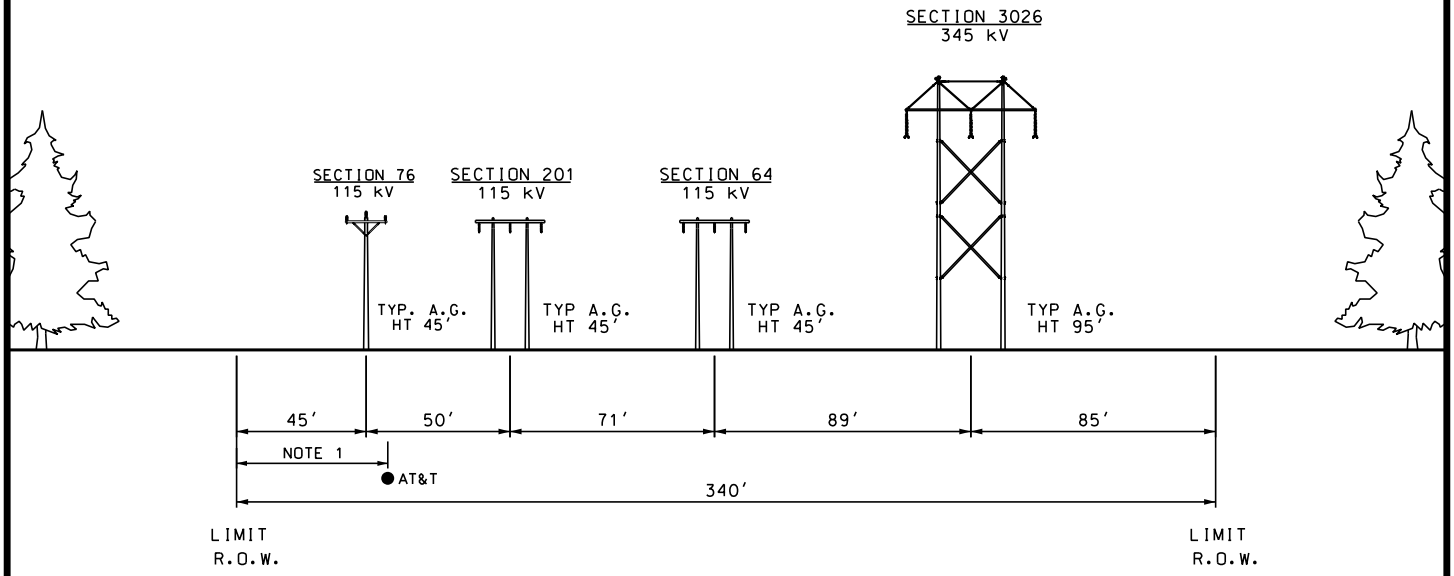
SEGMENT 4

SHEET S4-4

NOTE:
1. UNDERGROUND FIBER OPTIC CABLE LOCATION VARIES ALONG R.O.W.

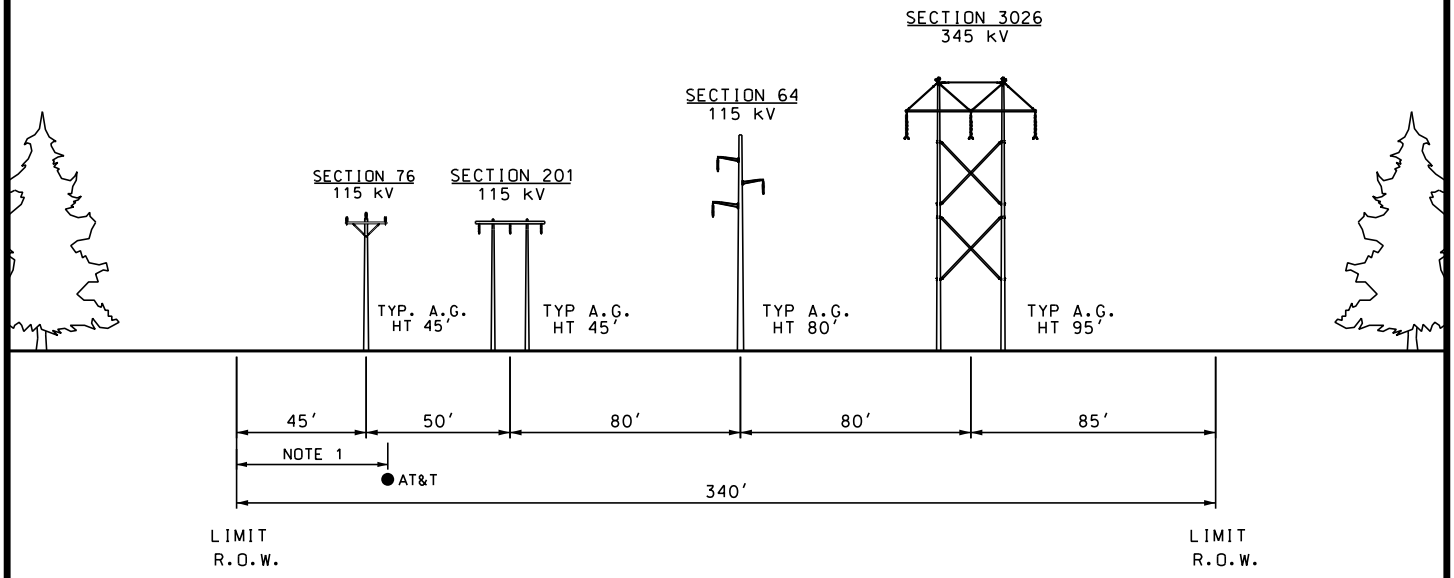
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. .67 MILES)

PROPOSED



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. .67 MILES)

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

-DRAFT-
FOR REVIEW ONLY

ENG. CONTRACTOR

NO.	REVISION	DATE	BY
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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 3026	POLE 26 TO 31	STA 152+13 TO 187+30.50

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 4

CHECKED		DESIGNED CRM	DATE 4/11/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

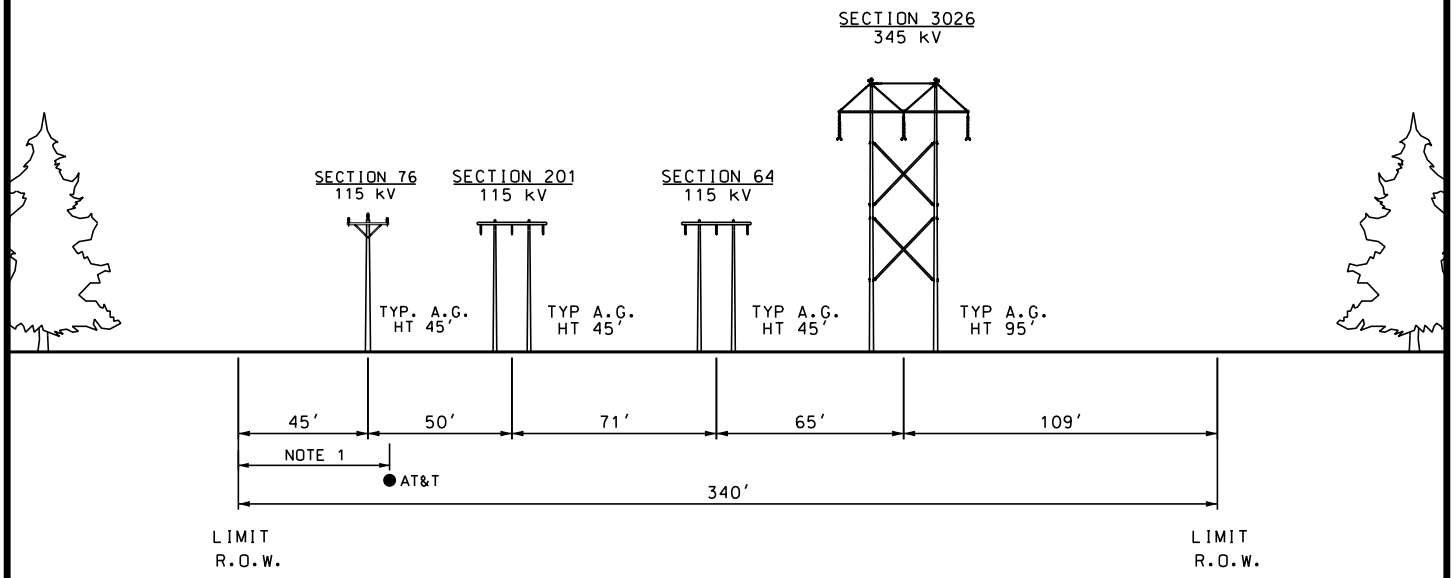
SEGMENT 4

SHEET S4-5

NOTE:
1. UNDERGROUND FIBER OPTIC CABLE LOCATION VARIES ALONG R.O.W.

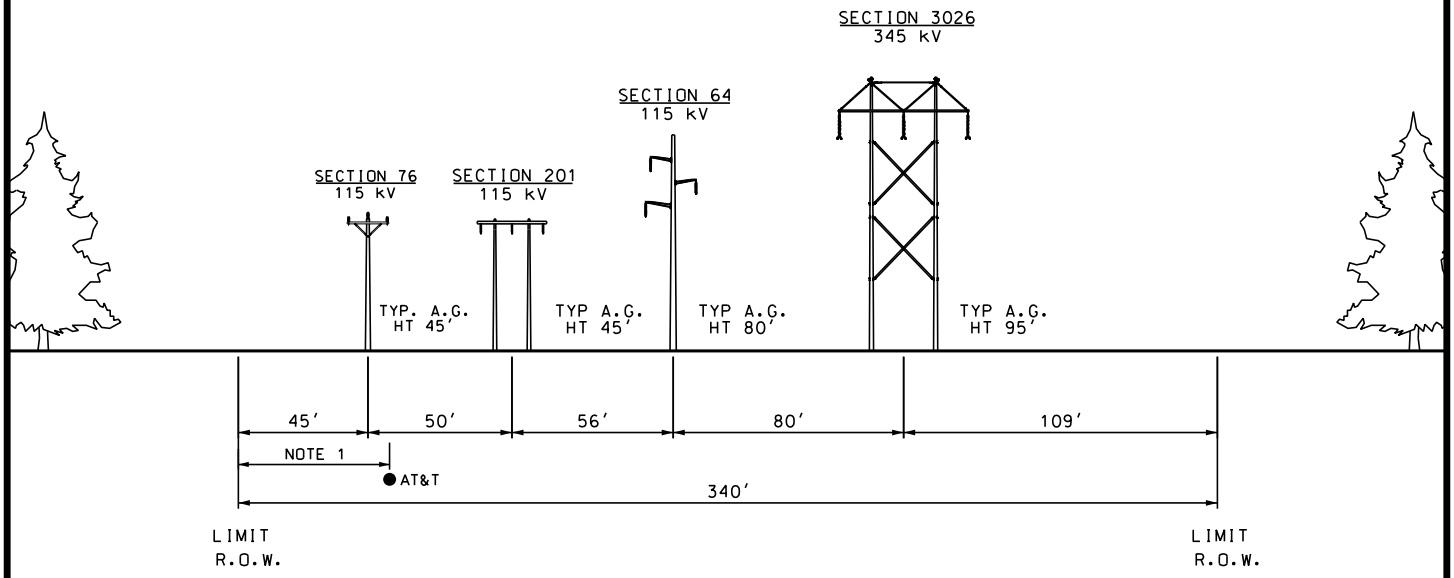
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. .37 MILES)

PROPOSED



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. .37 MILES)

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

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FOR REVIEW ONLY

ENG. CONTRACTOR

NO.	REVISION	DATE	BY
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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 3026	POLE 31 TO 35	STA 187+30.50 TO 206+61.66

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 4

CHECKED		DESIGNED CRM	DATE 4/11/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

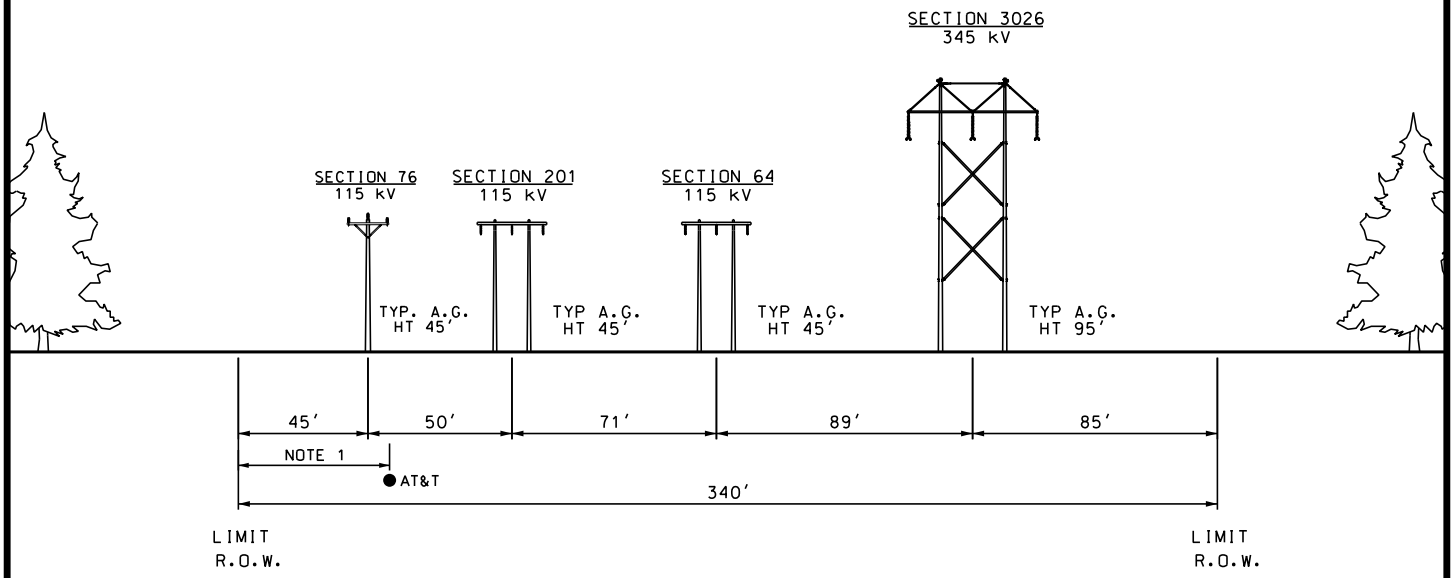
SEGMENT 4

SHEET S4-6

NOTE:
1. UNDERGROUND FIBER OPTIC CABLE LOCATION VARIES ALONG R.O.W.

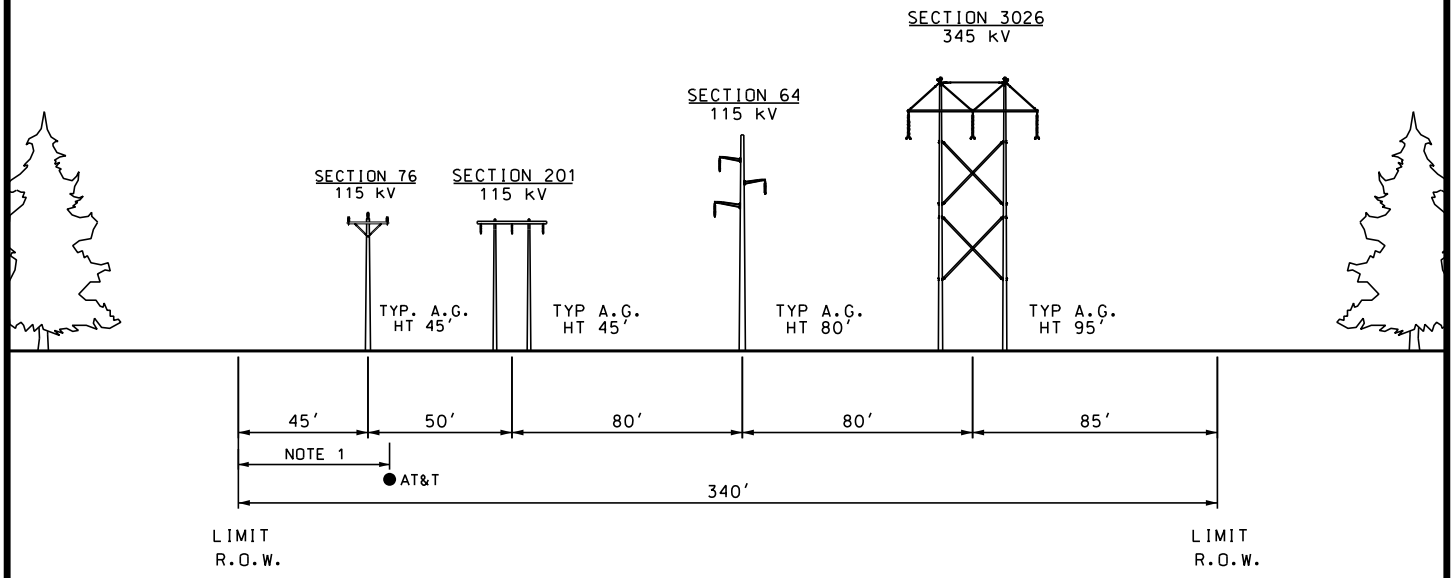
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. .15 MILES)

PROPOSED



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. .15 MILES)

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

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FOR REVIEW ONLY

ENG. CONTRACTOR

NO.	REVISION	DATE	BY
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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 3026	POLE 35 TO 37	STA 208+61.66 TO 216+79.36

NEW ENGLAND CLEAN ENERGY CONNECT

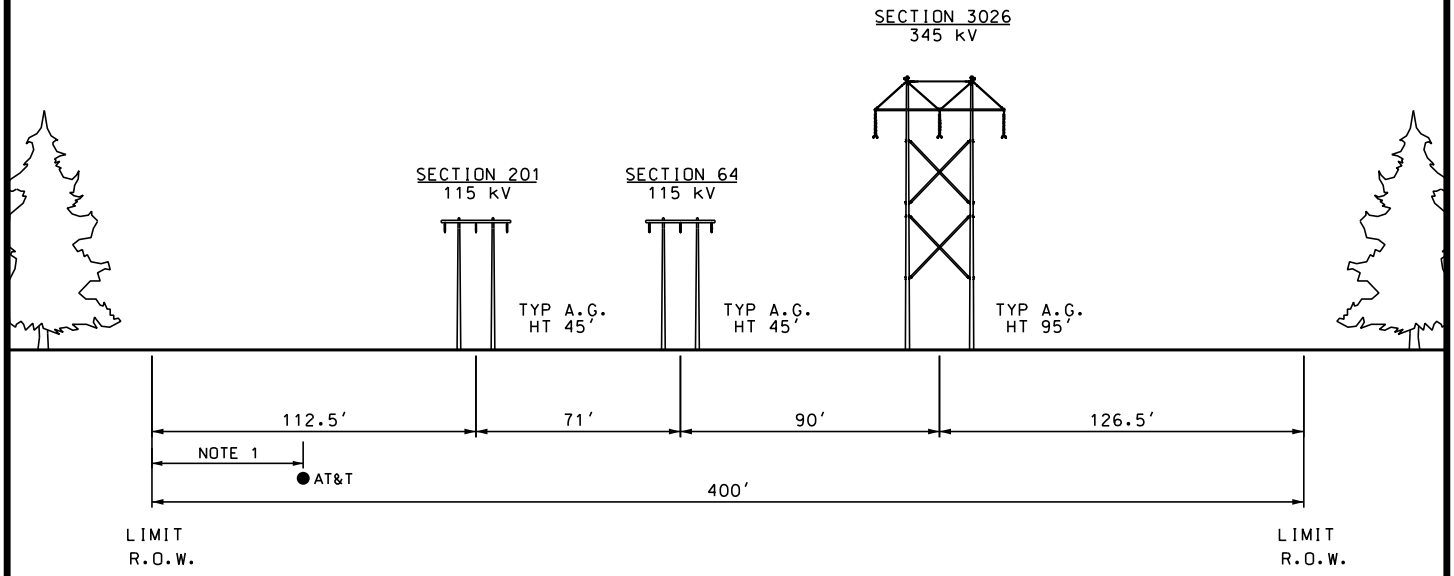
EXISTING AND PROPOSED R.O.W.
SEGMENT 4

CHECKED		DESIGNED CRM	DATE 4/11/17	SEGMENT 4
CRM	4/11/17	DRAWN SCF	APPR.	
SCALE	NTS	CENTRAL MAINE POWER		SHEET S4-7

NOTE:
1. UNDERGROUND FIBER OPTIC CABLE LOCATION VARIES ALONG R.O.W.

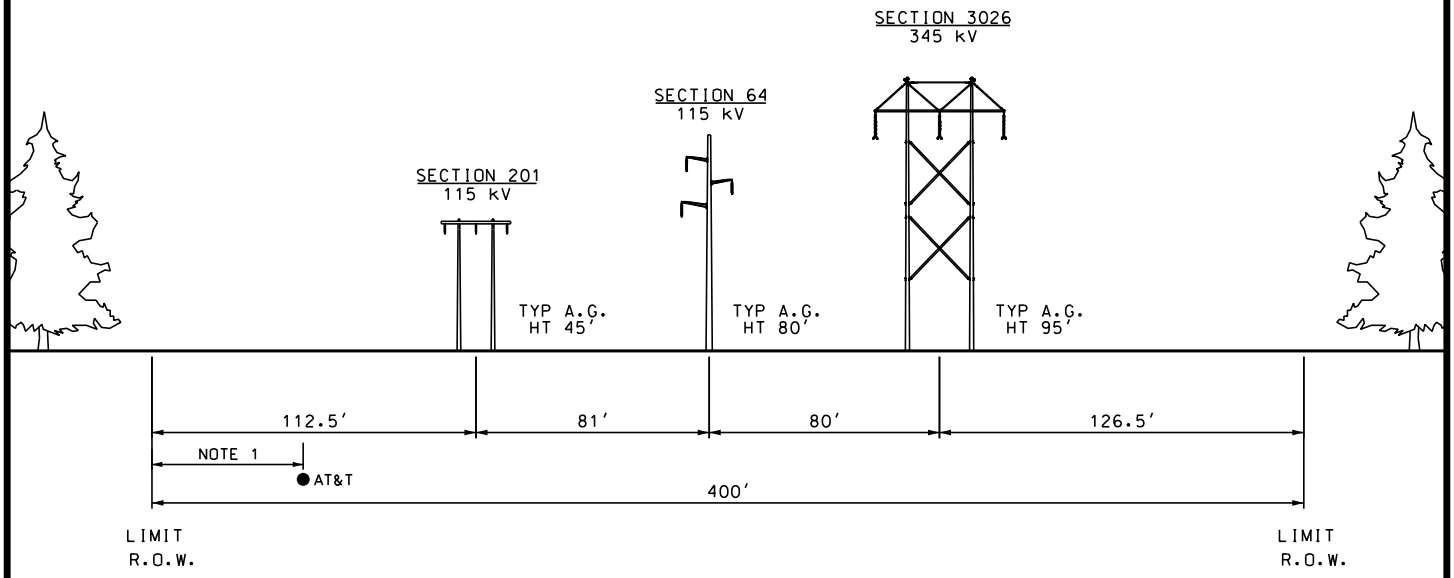
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. .51 MILES)

PROPOSED



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. .51 MILES)

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FOR REVIEW ONLY

ENG. CONTRACTOR

NO.	REVISION	DATE	BY
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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 3026 | POLE 37 TO 41 | STA 216+79.36 TO 243+57.97

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 4

CHECKED		DESIGNED CRM	DATE 4/11/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

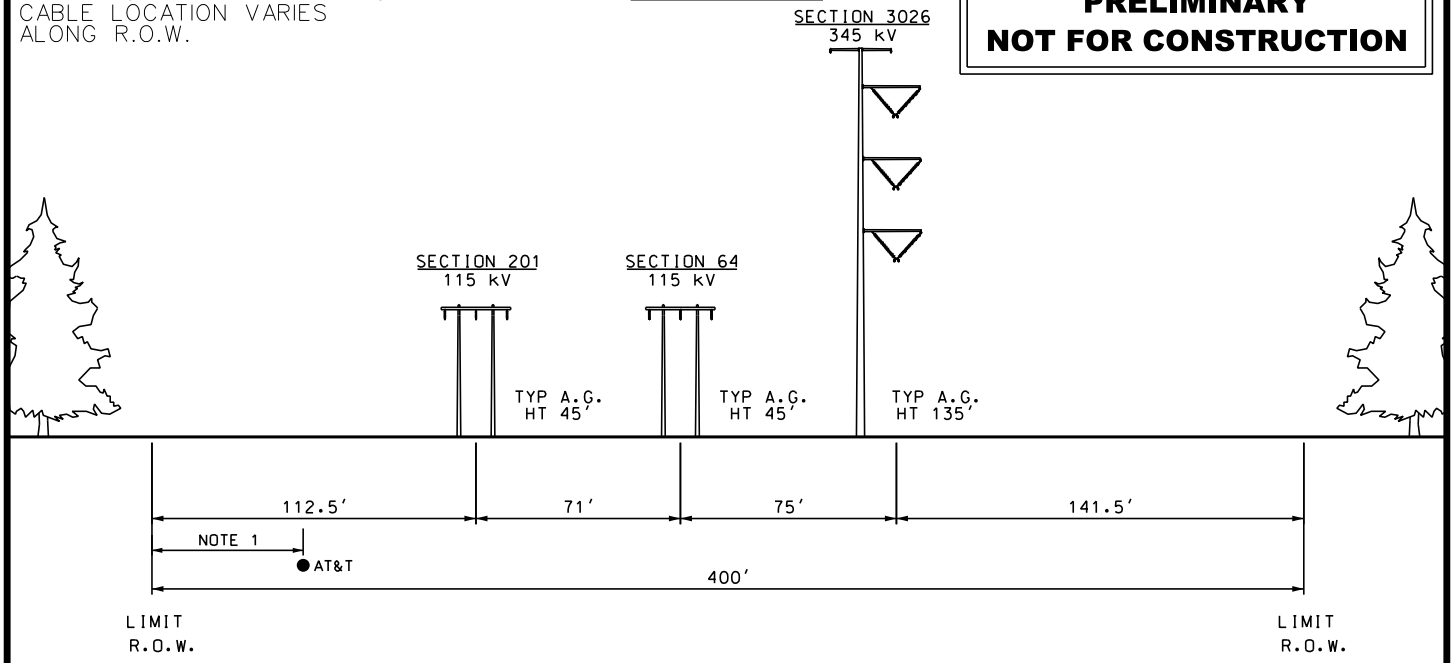
SEGMENT 4

SHEET S4-8

NOTE:
1. UNDERGROUND FIBER OPTIC CABLE LOCATION VARIES ALONG R.O.W.

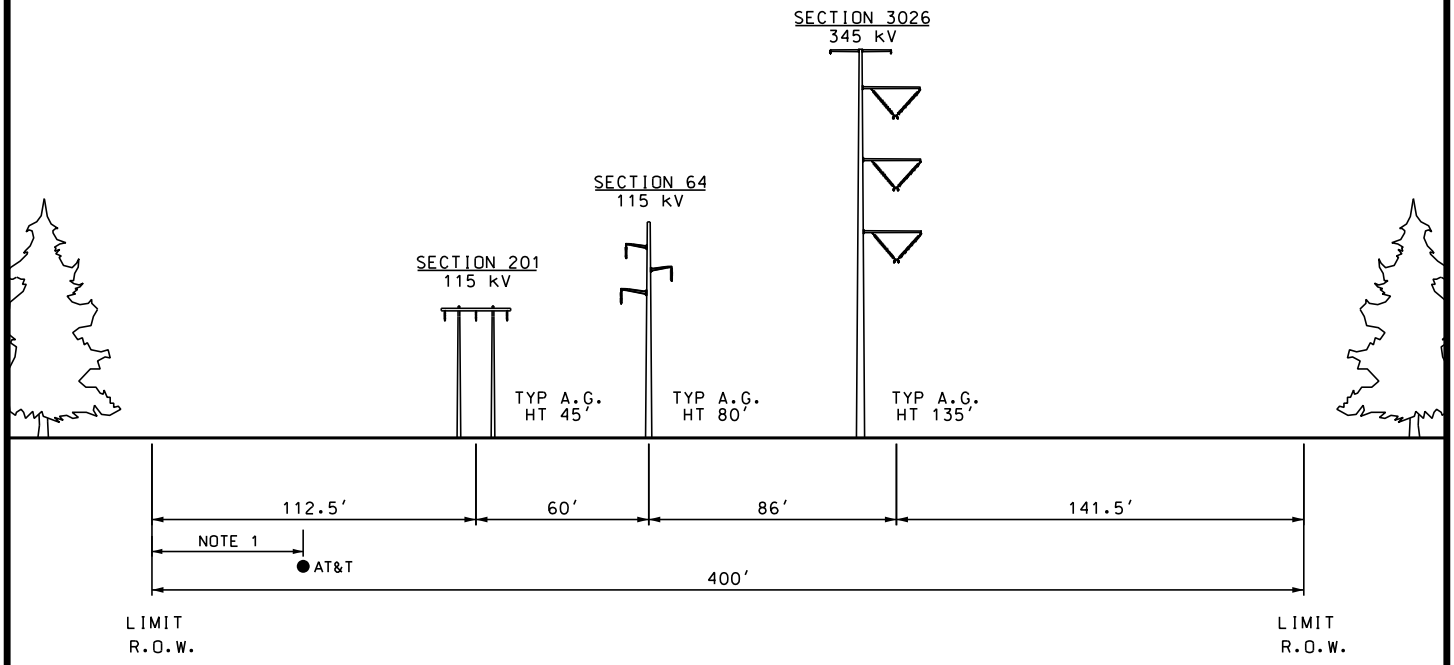
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. 1.25 MILES)

PROPOSED



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. 1.25 MILES)

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

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FOR REVIEW ONLY

ENG. CONTRACTOR

NO.	REVISION	DATE	BY
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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 3026	POLE 41 TO 53	STA 243+57.97 TO 309+59.25

NEW ENGLAND CLEAN ENERGY CONNECT

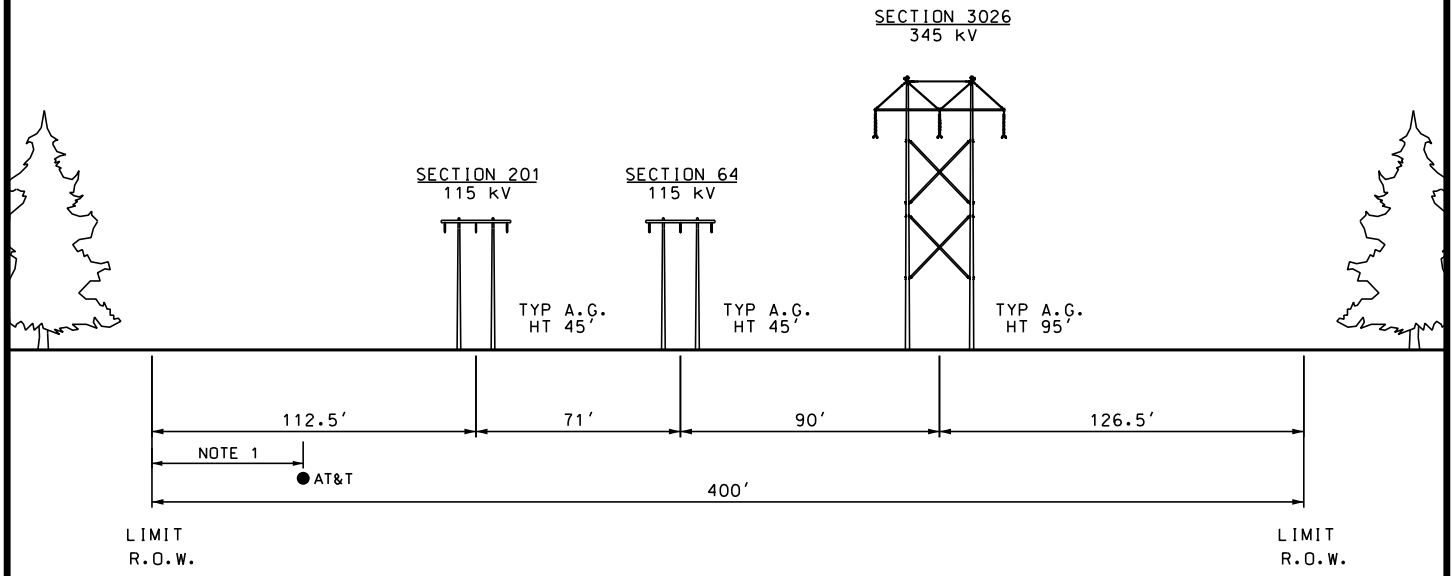
EXISTING AND PROPOSED R.O.W.
SEGMENT 4

CHECKED		DESIGNED CRM	DATE 4/11/17	SEGMENT 4
CRM	4/11/17	DRAWN SCF	APPR.	
SCALE	NTS	CENTRAL MAINE POWER		SHEET S4-9

NOTE:
1. UNDERGROUND FIBER OPTIC CABLE LOCATION VARIES ALONG R.O.W.

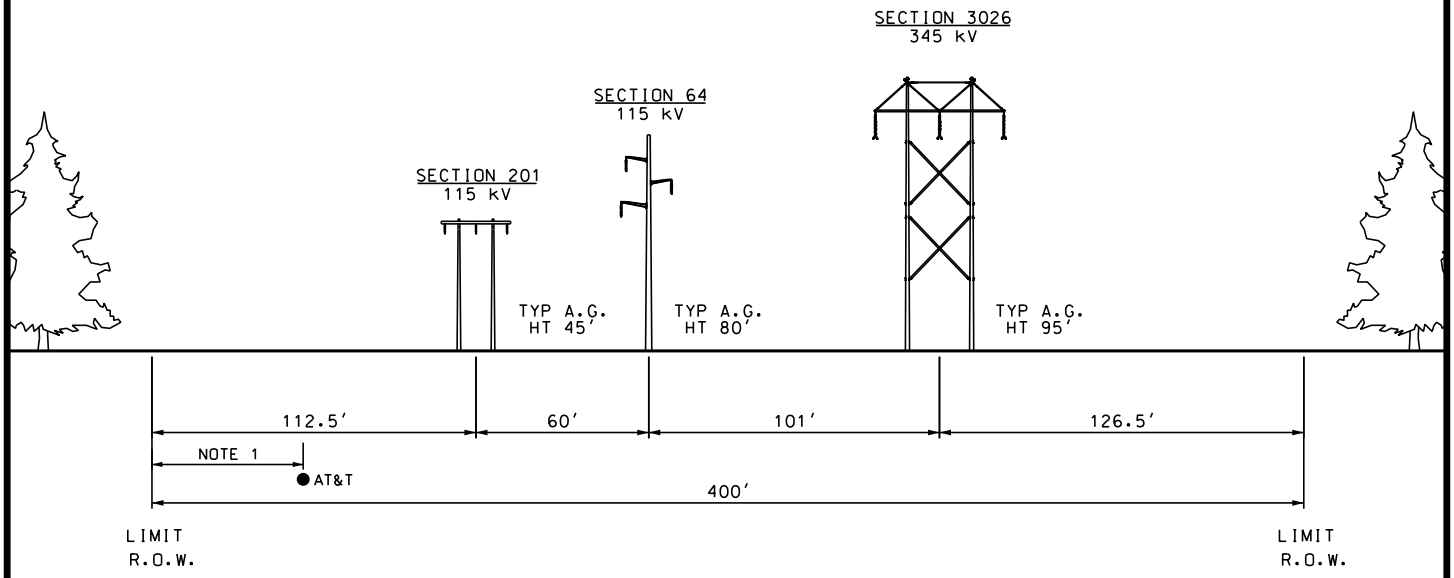
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. 1.0 MILES)

PROPOSED



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. 1.0 MILES)

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FOR REVIEW ONLY

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 3026	POLE 53 TO 62	STA 309+59.25 TO 361+00

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 4

CHECKED		DESIGNED CRM	DATE 4/11/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

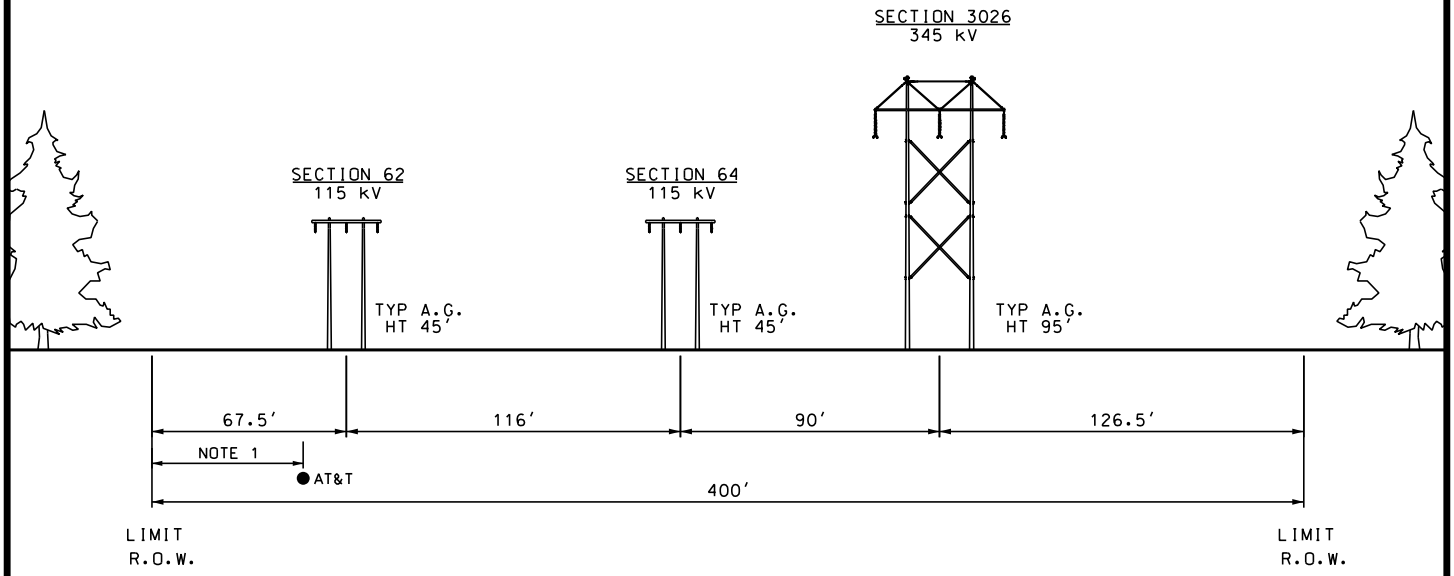
SEGMENT 4

SHEET S4-10

NOTE:
1. UNDERGROUND FIBER OPTIC CABLE LOCATION VARIES ALONG R.O.W.

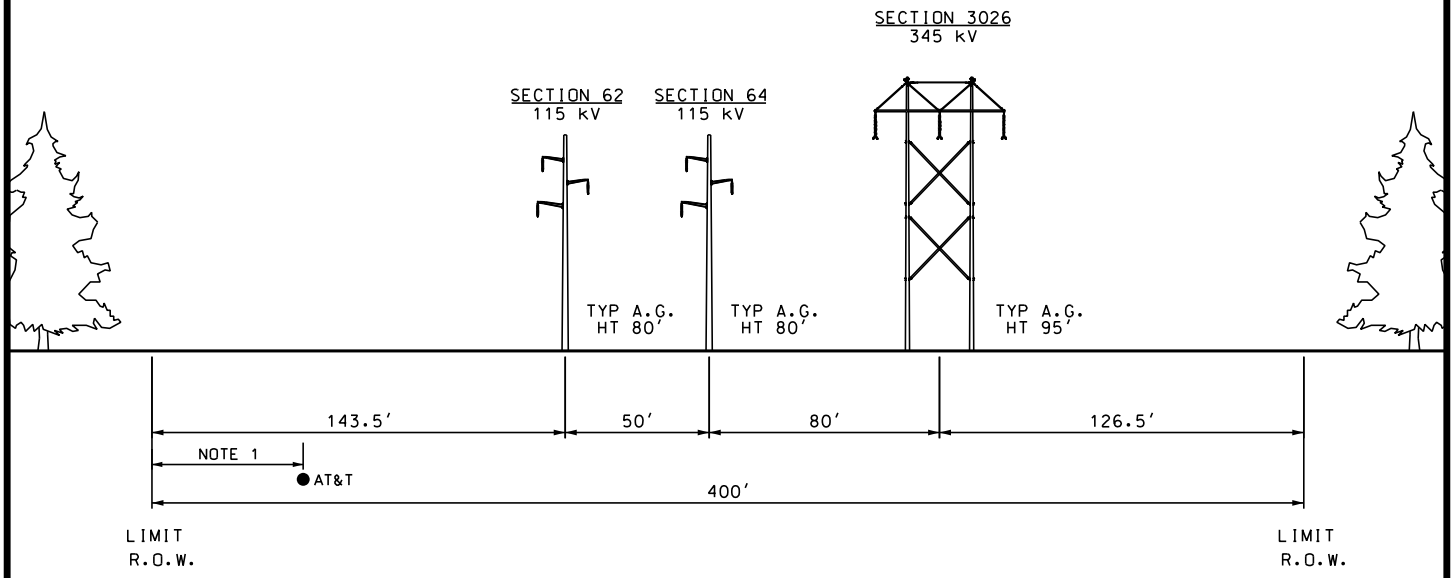
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. 1.1 MILES)

PROPOSED



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. 1.1 MILES)

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ENG. CONTRACTOR

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 3026	POLE 62 TO 73	STA 361+00 TO 420+44.56

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 4

CHECKED		DESIGNED CRM	DATE 4/11/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

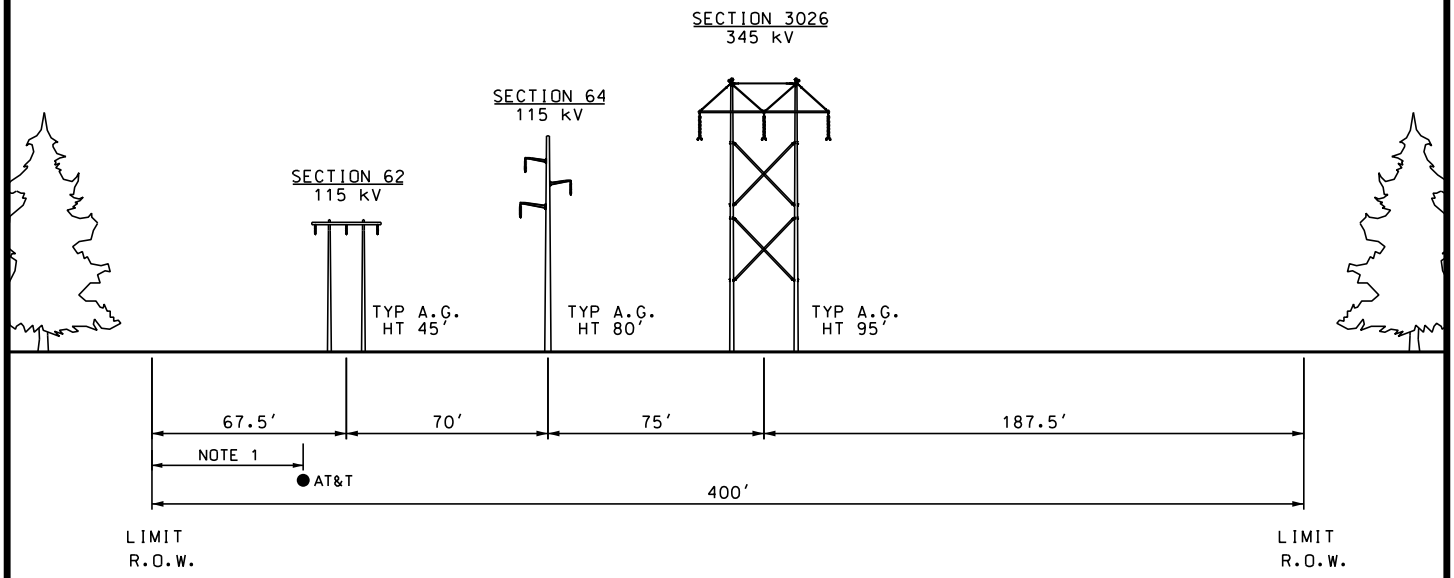
SEGMENT 4

SHEET S4-11

NOTE:
1. UNDERGROUND FIBER OPTIC CABLE LOCATION VARIES ALONG R.O.W.

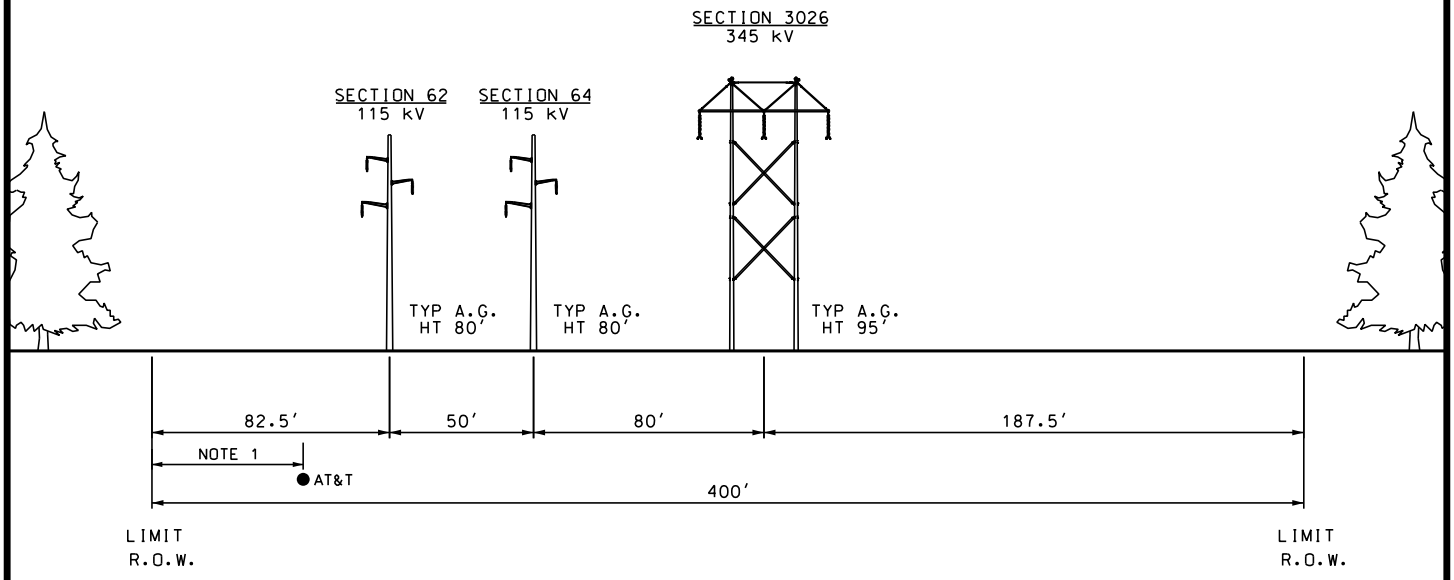
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. 1.57 MILES)

PROPOSED



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. 1.57 MILES)

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

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ENG. CONTRACTOR

NO.	REVISION	DATE	BY
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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 3026 | POLE 73 TO 88 | STA 420+44.56 TO 503+34.16

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 4

CHECKED	CRM 4/11/17	DESIGNED CRM	DATE 4/11/17
		DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

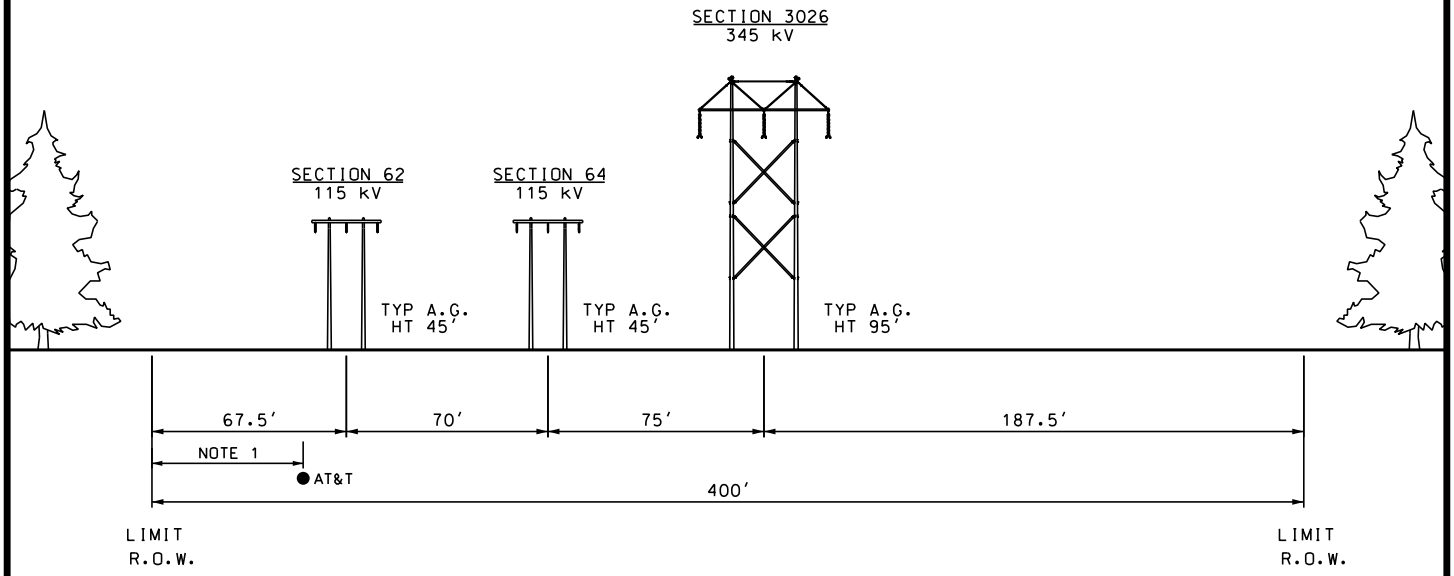
SEGMENT 4

SHEET S4-12

NOTE:
1. UNDERGROUND FIBER OPTIC CABLE LOCATION VARIES ALONG R.O.W.

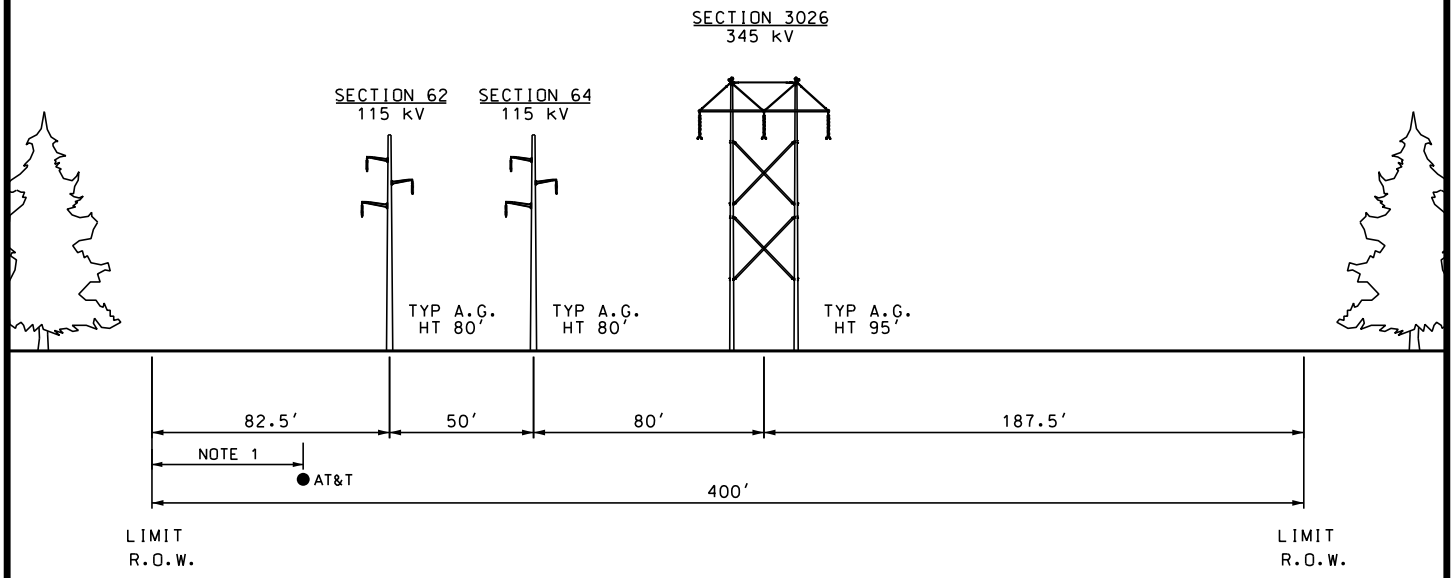
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. .34 MILES)

PROPOSED



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. .34 MILES)

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

-DRAFT-
FOR REVIEW ONLY

ENG. CONTRACTOR

NO.	REVISION	DATE	BY
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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 3026 | POLE 88 TO 90 | STA 503+34.16 TO 521+25.15

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 4

CHECKED		DESIGNED CRM	DATE 4/11/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

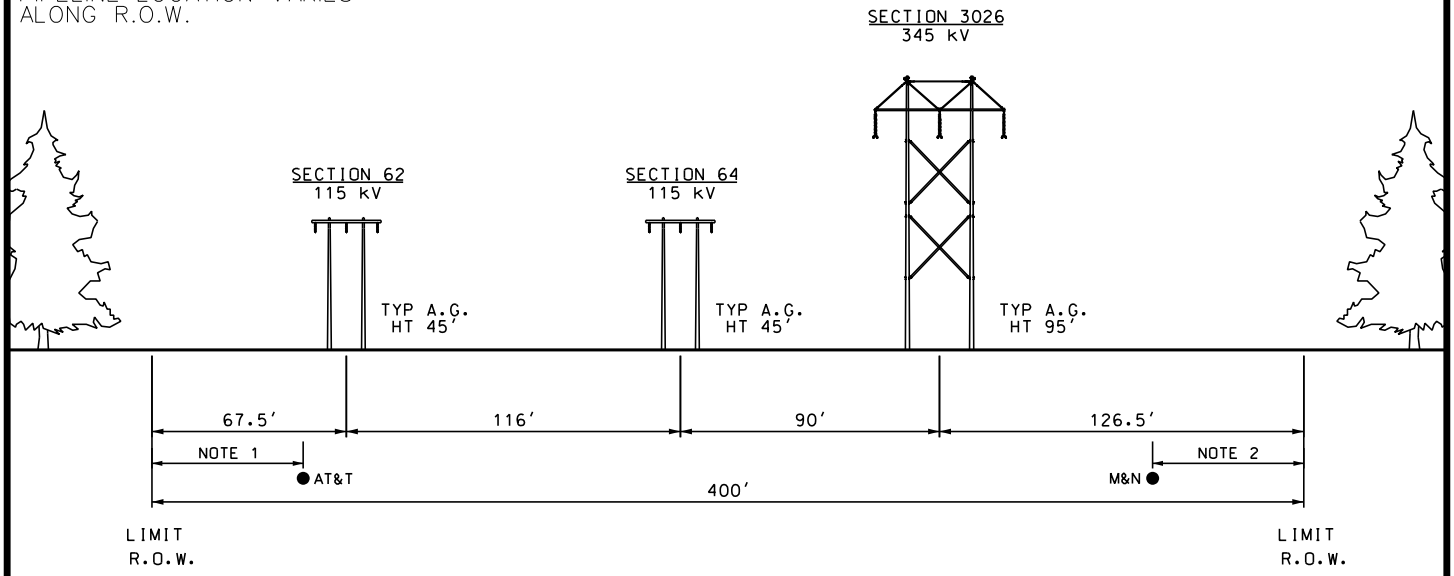
SEGMENT 4

SHEET S4-13

NOTE:
1. UNDERGROUND FIBER OPTIC CABLE LOCATION VARIES ALONG R.O.W.
2. M&N UNDERGROUND HPNG PIPELINE LOCATION VARIES ALONG R.O.W.

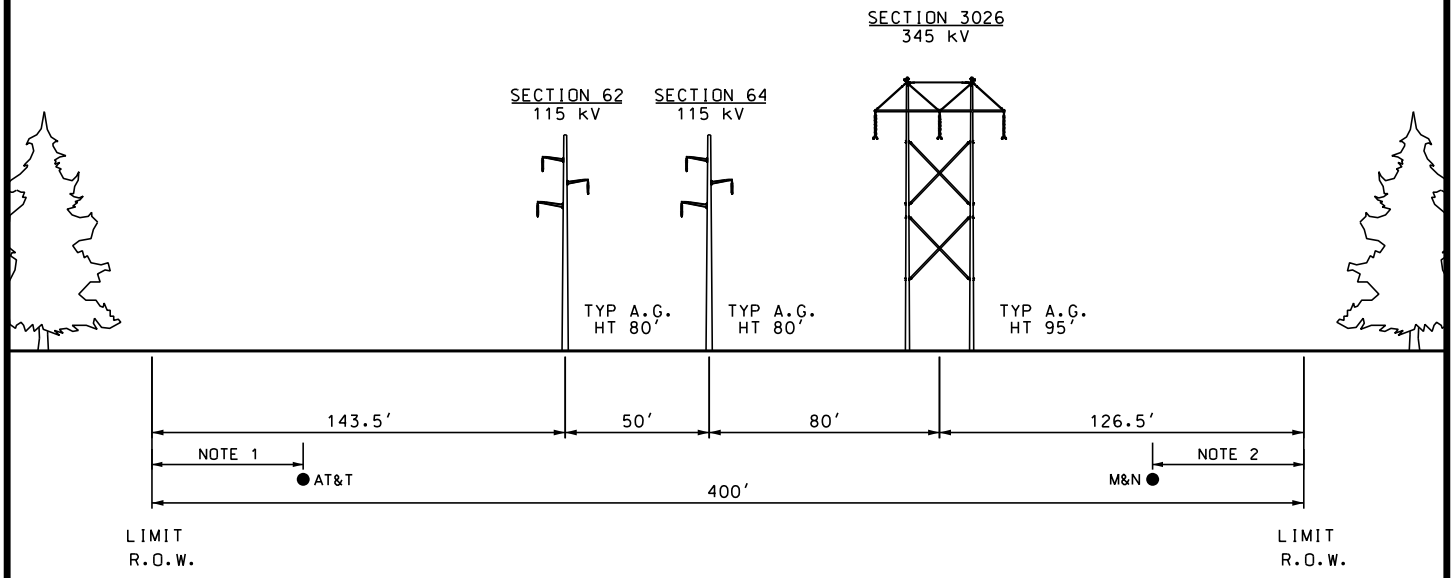
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. 5.7 MILES)

PROPOSED



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. 5.7 MILES)

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

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ENG. CONTRACTOR

NO.	REVISION	DATE	BY
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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 3026	POLE 90 TO 138	STA 521+25.15 TO 824+57.20

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 4

CHECKED		DESIGNED CRM	DATE 4/11/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

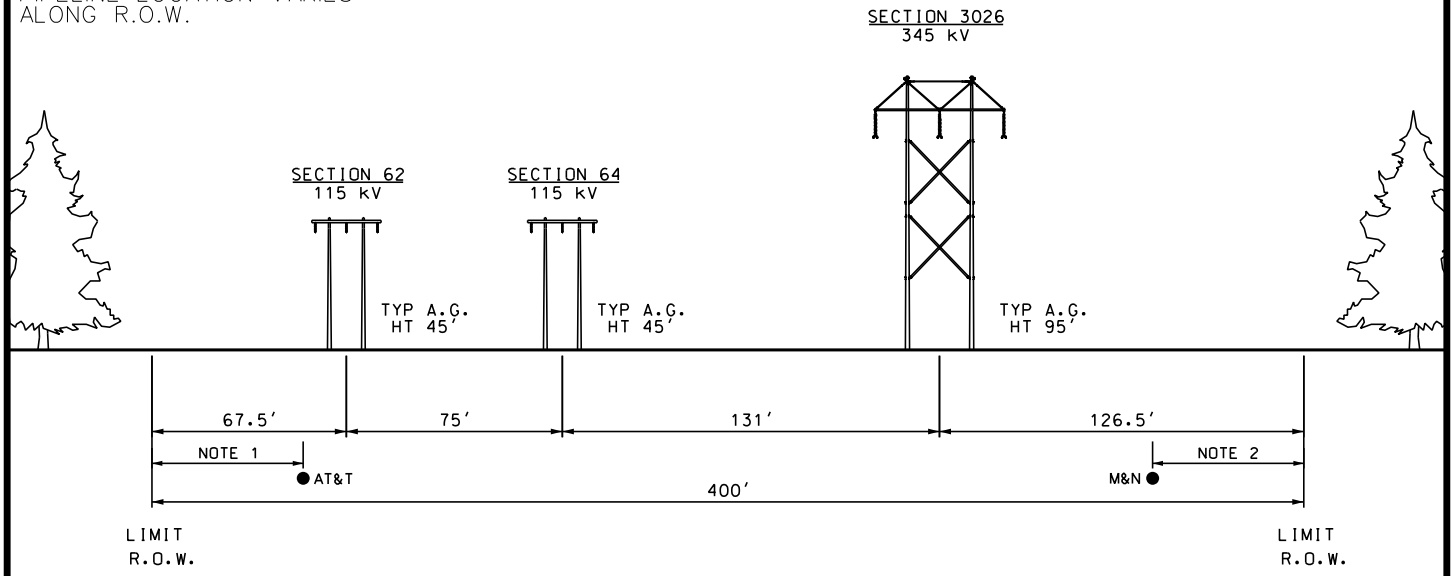
SEGMENT 4

SHEET S4-14

NOTE:
1. UNDERGROUND FIBER OPTIC CABLE LOCATION VARIES ALONG R.O.W.
2. M&N UNDERGROUND HPNG PIPELINE LOCATION VARIES ALONG R.O.W.

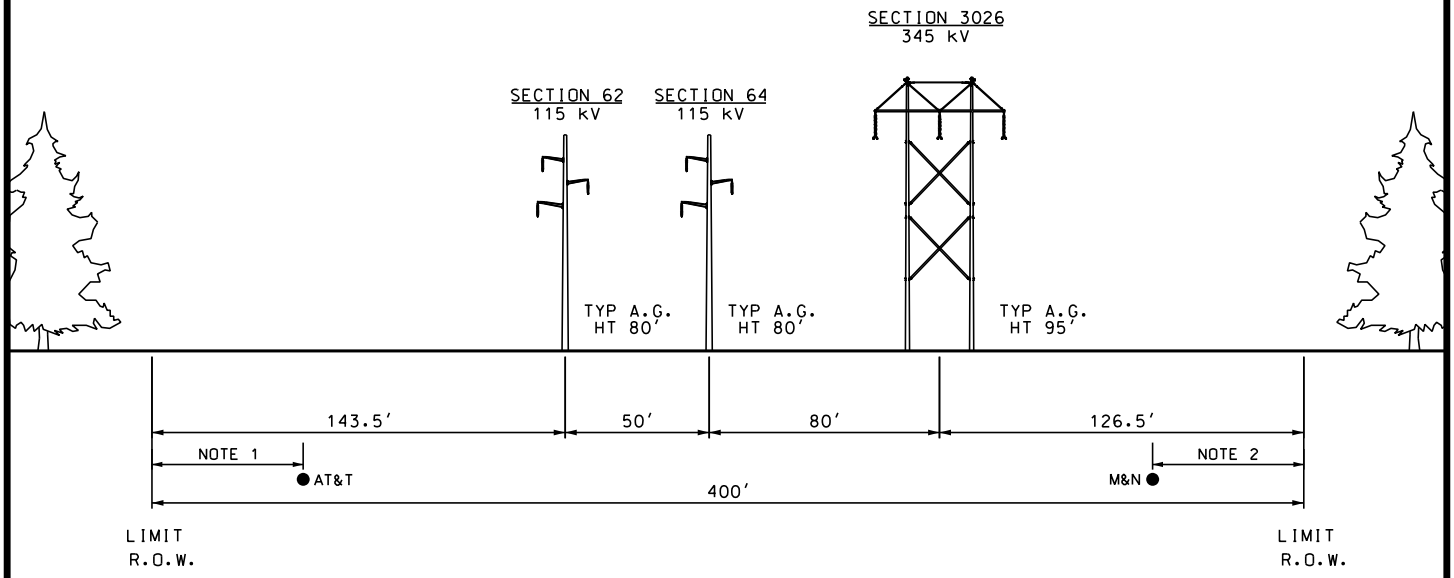
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. .56 MILES)

PROPOSED



LOOKING FROM LARRABEE ROAD S/S TOWARDS SUROWIEC S/S
(APPROX. .56 MILES)

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ENG. CONTRACTOR

NO.	REVISION	DATE	BY
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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 3026 | POLE 138 TO 141 | STA 824+57.20 TO 854+14

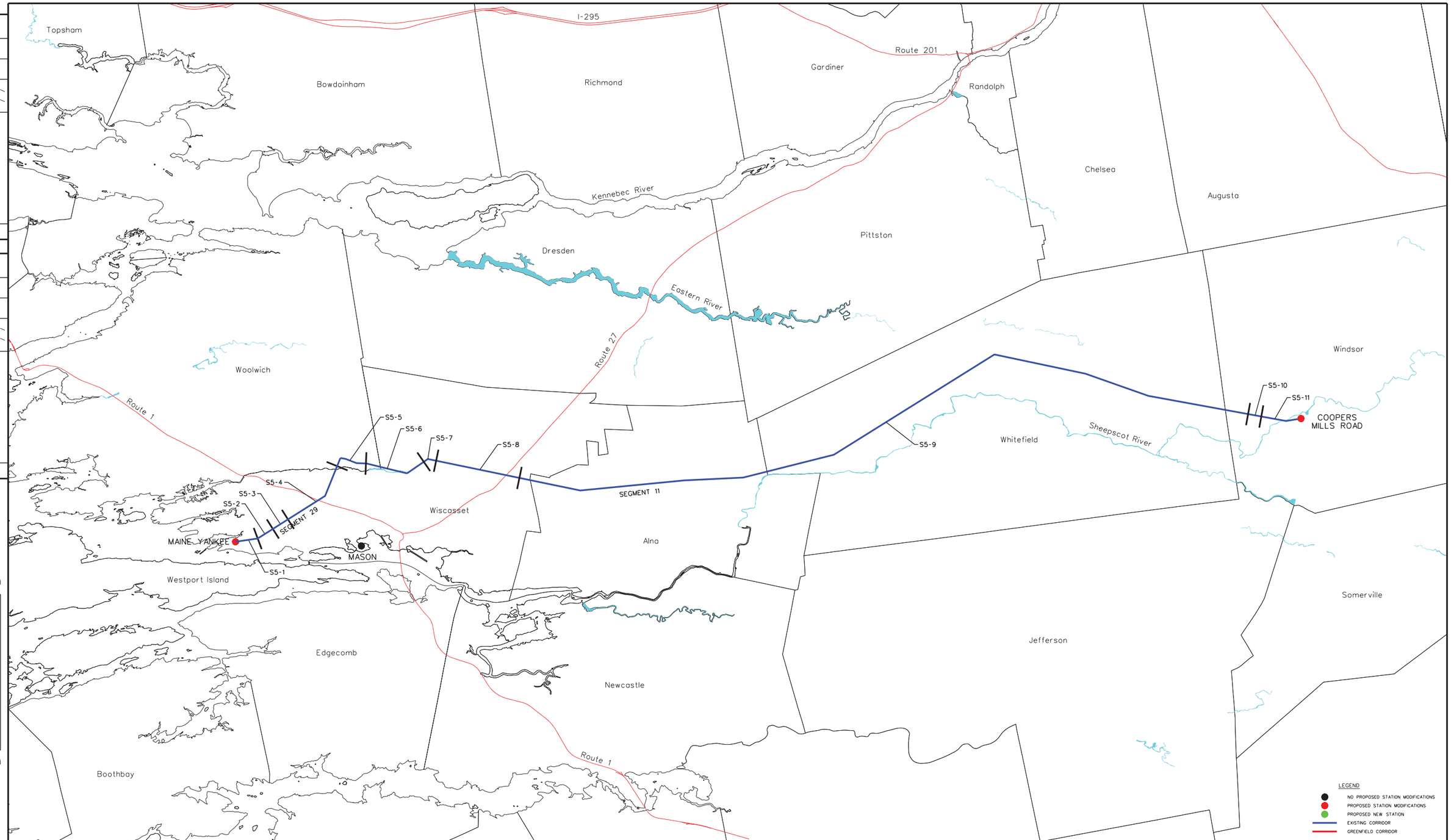
NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 4

CHECKED		DESIGNED CRM	DATE 4/11/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 4

SHEET S4-15



NO.	REVISION	DATE	BY	CK	P.E.
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0 5000 10000 15000 FEET

1"= 5000'

PRELIMINARY
NOT FOR CONSTRUCTION

This document and any attachments are considered:
BUSINESS CONFIDENTIAL
PROTECTED CRITICAL INFRASTRUCTURE INFORMATION

REFERENCE DRAWINGS

NO.	REVISION	DATE	BY	CK	P. E. STAMPED BY	P. E. No.
1	ISSUED FOR RFP RESPONSE	9/19/17	PEI	CRM		

Professional Engineer Seal

DESIGNED JAR
DRAWN PEI
CHECKED CRM
APPROVED /
REVIEWED

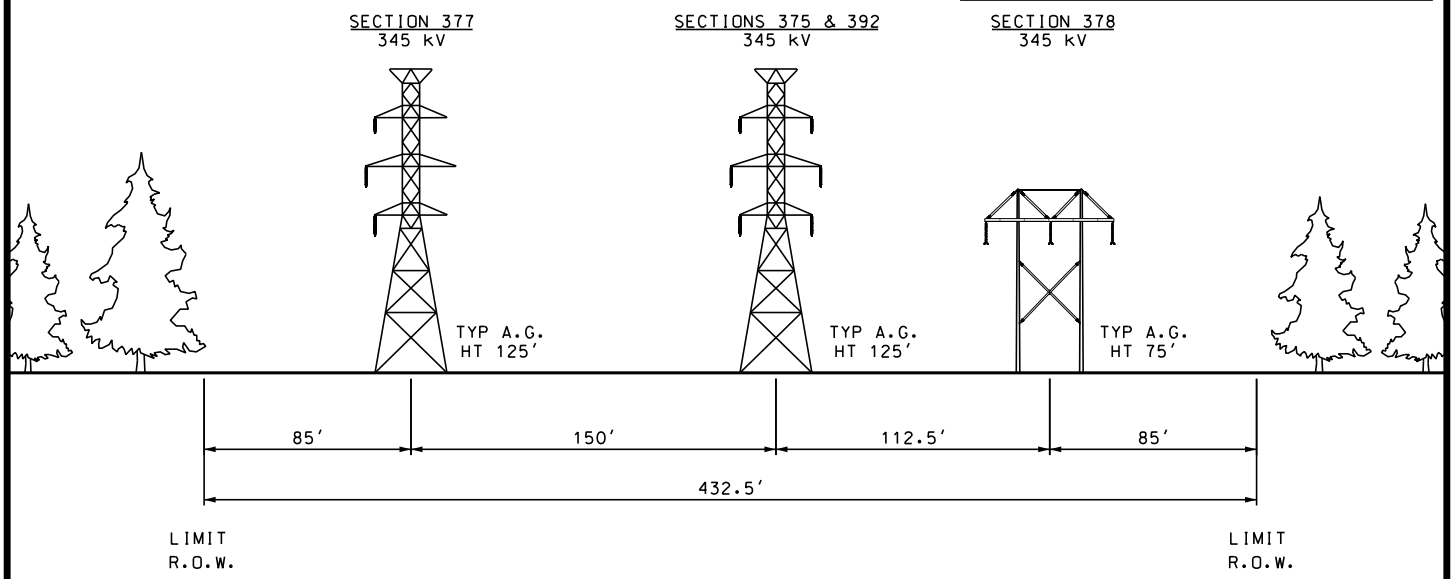
NEW ENGLAND CLEAN ENERGY CONNECT PROPOSED MAINE YANKEE SUBSTATION TO COOPERS MILLS ROAD SUBSTATION KEY MAP

CENTRAL MAINE POWER COMPANY
SYSTEM ENGINEERING
CENTRAL MAINE POWER
DATE: 12/14/15 SCALE: AS NOTED

SK-MY-CMR-KEY
REV 1

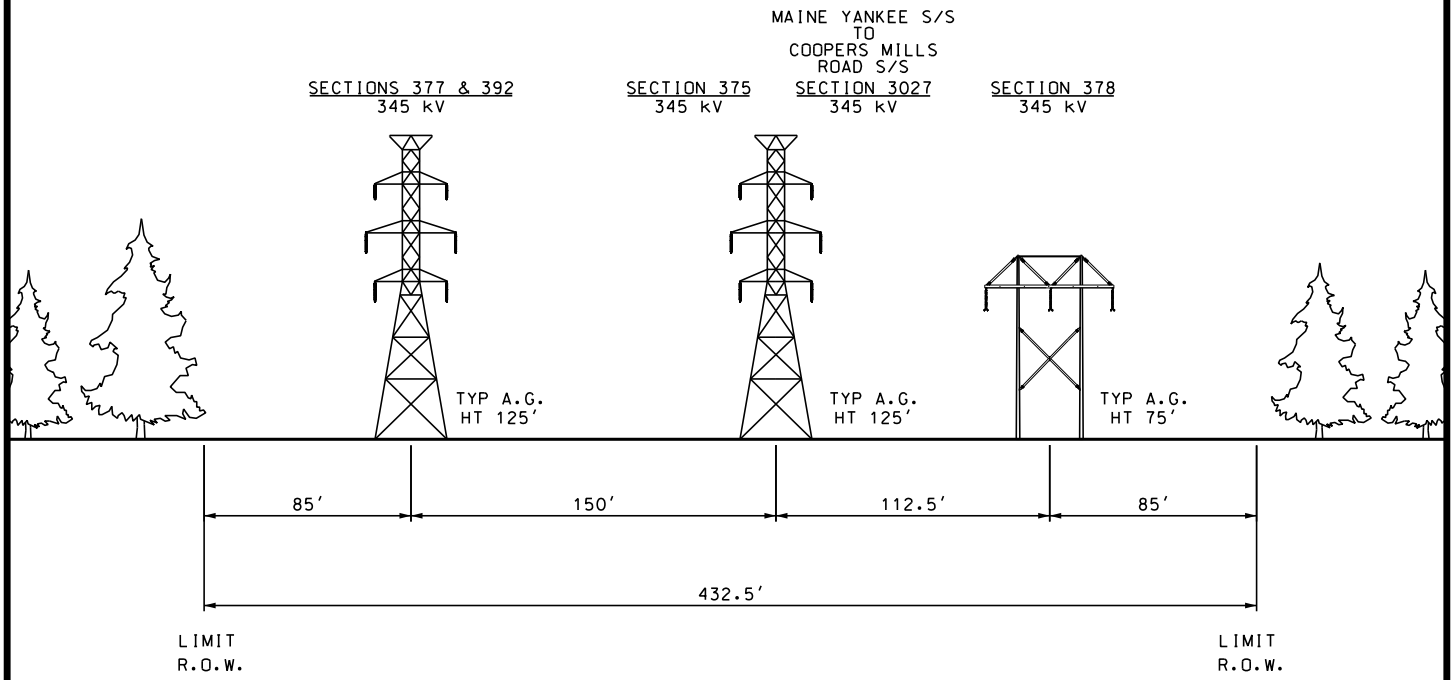
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 0.5 MILES)

PROPOSED



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 0.5 MILES)

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NO.	REVISION	DATE	BY
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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 392	S/S TO STR 4 (TWR 43)	STA. 0+00 TO 28+24

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 5

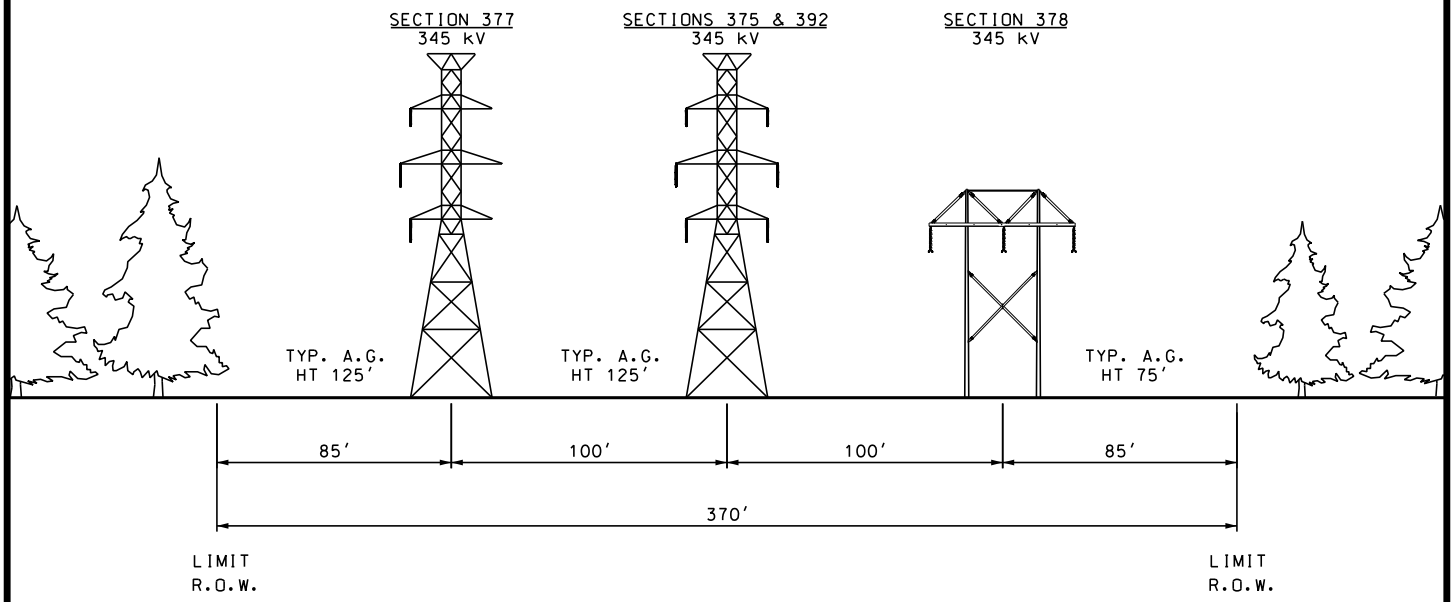
CHECKED		DESIGNED CRM	DATE 4/10/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 5

SHEET S5-1

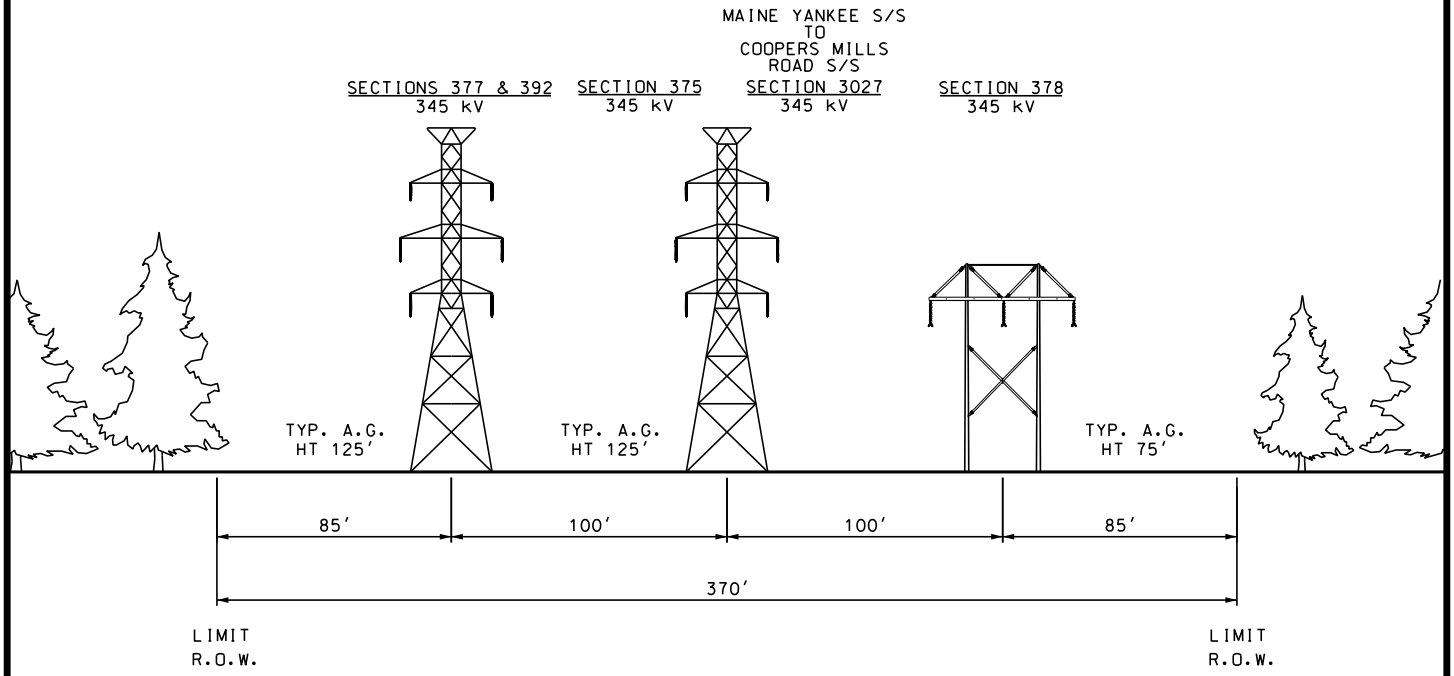
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 0.4 MILES)

PROPOSED



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 0.4 MILES)

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NO.	REVISION	DATE	BY
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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 392	STR 4(TWR 43) TO STR 6(TWR 41)	STA. 28+24 TO 48+50

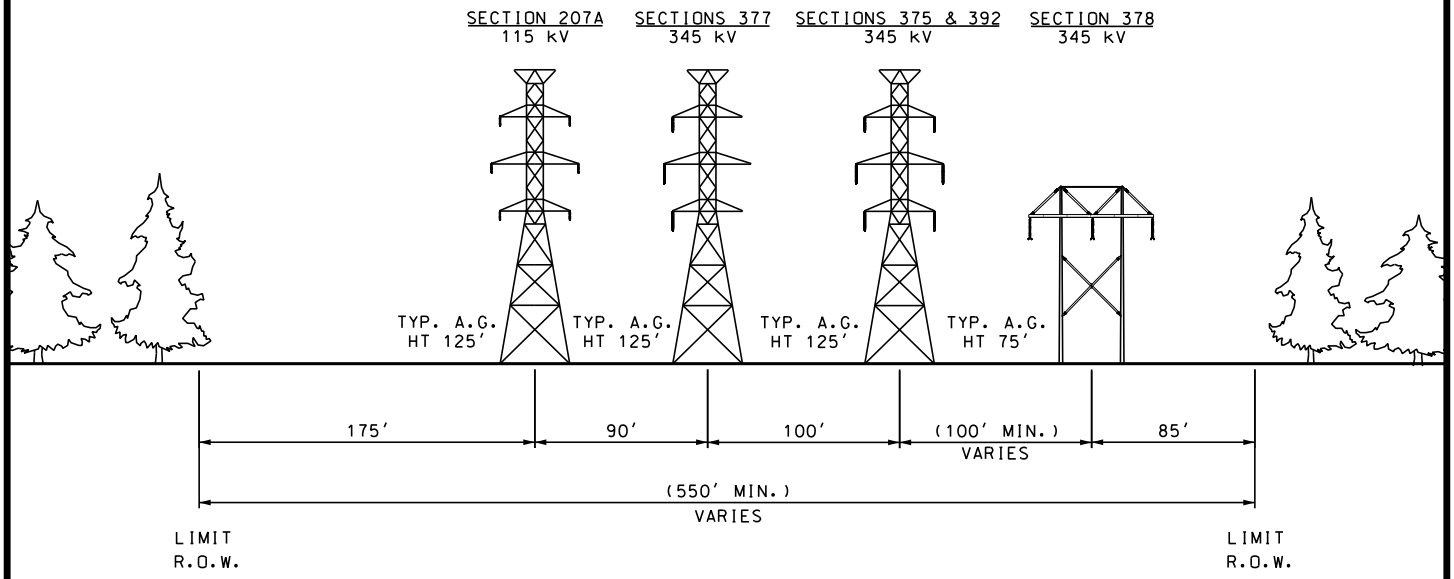
NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 5

CHECKED		DESIGNED CRM	DATE 4/10/17	SEGMENT 5
CRM	4/11/17	DRAWN SCF	APPR.	
SCALE NTS		CENTRAL MAINE POWER		SHEET S5-2

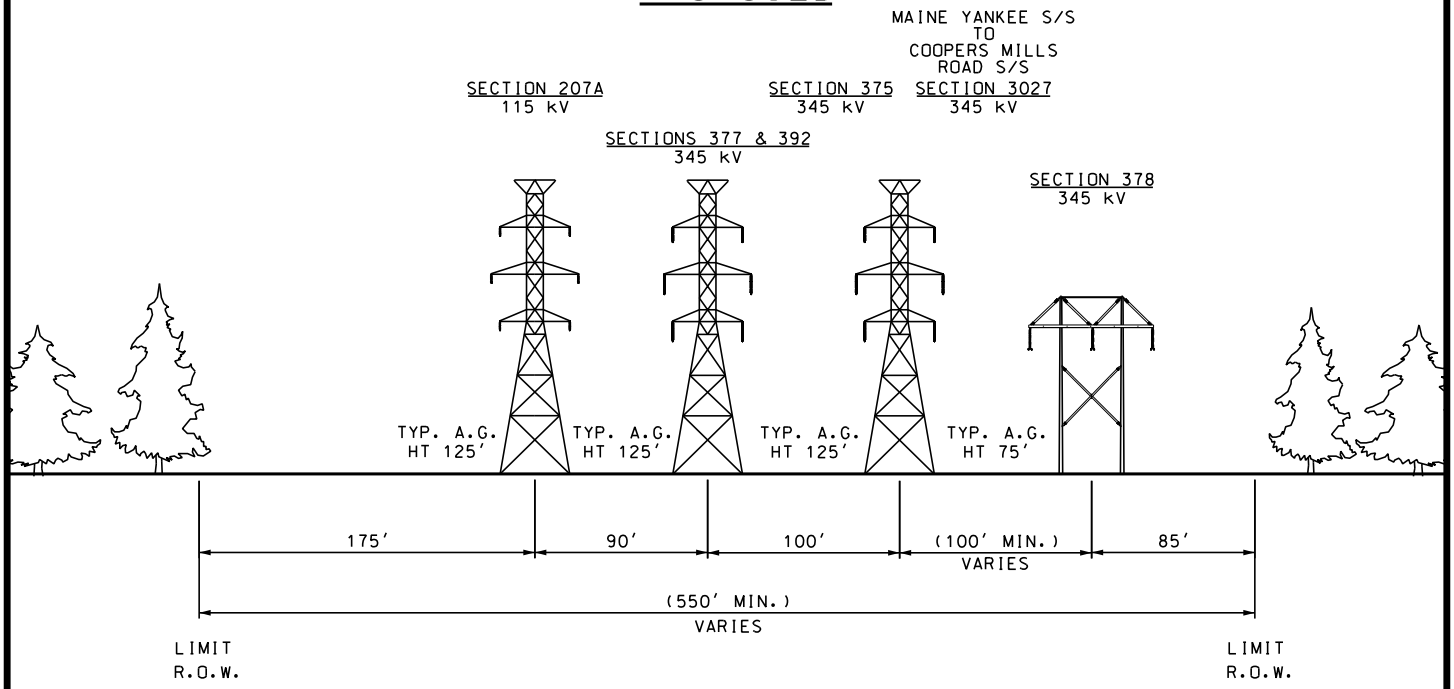
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 0.4 MILES)

PROPOSED



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 0.4 MILES)

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 392	STR 6(TWR 41) TO STR 8(TWR 39)	STA. 48+50 TO 70+20

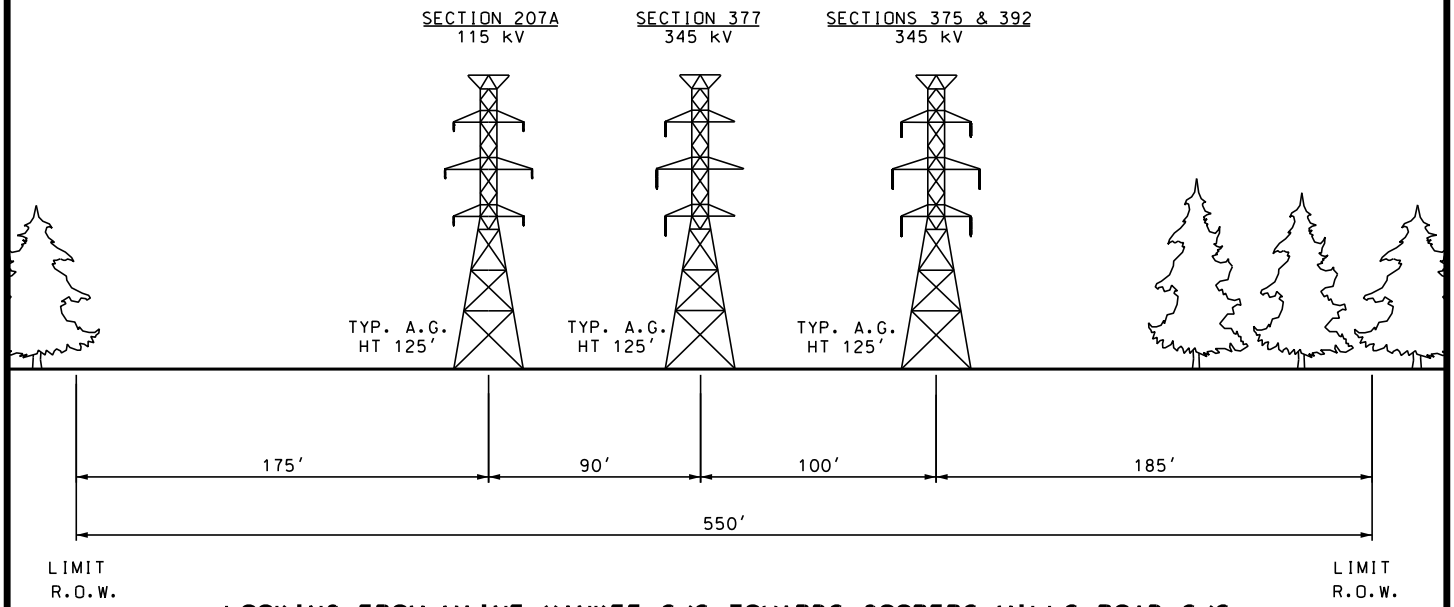
NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 5

CHECKED		DESIGNED CRM	DATE 4/10/17	SEGMENT 5
CRM	4/11/17	DRAWN SCF	APPR.	
SCALE NTS		CENTRAL MAINE POWER		SHEET S5-3

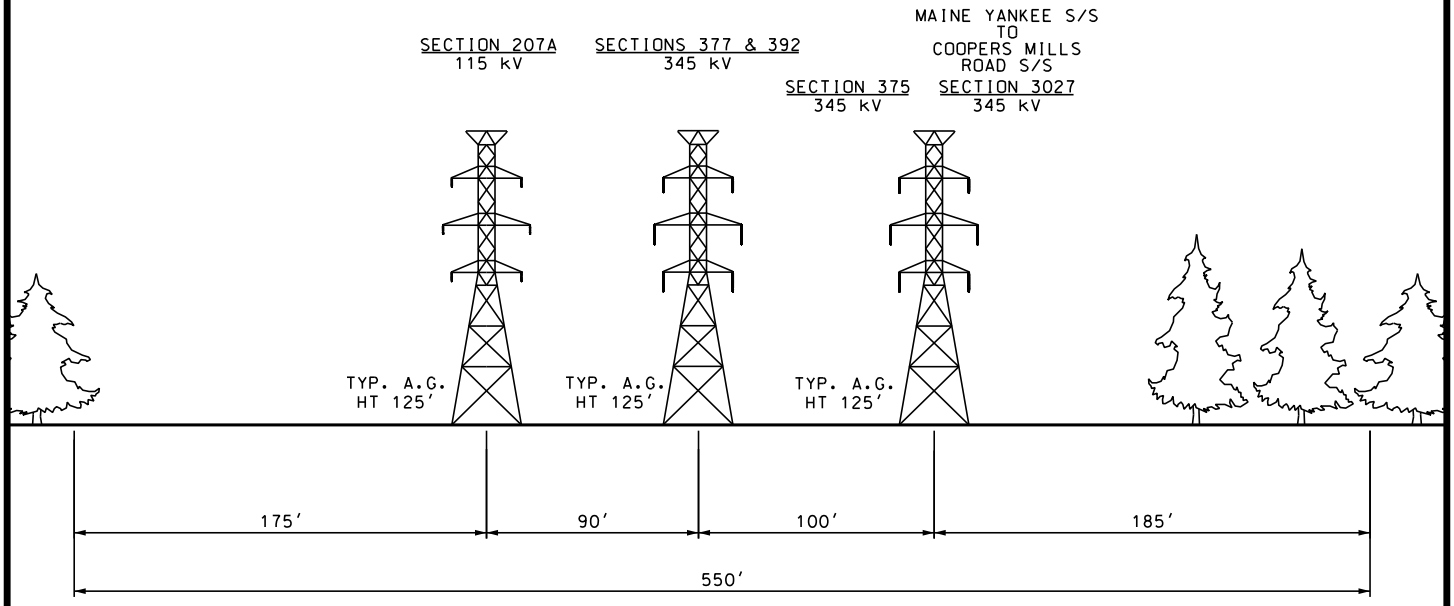
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 1.7 MILES)

PROPOSED



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 1.7 MILES)

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 392	STR 8(TWR 39) TO STR 17(TWR 30)	STA. 70+20 TO 159+80

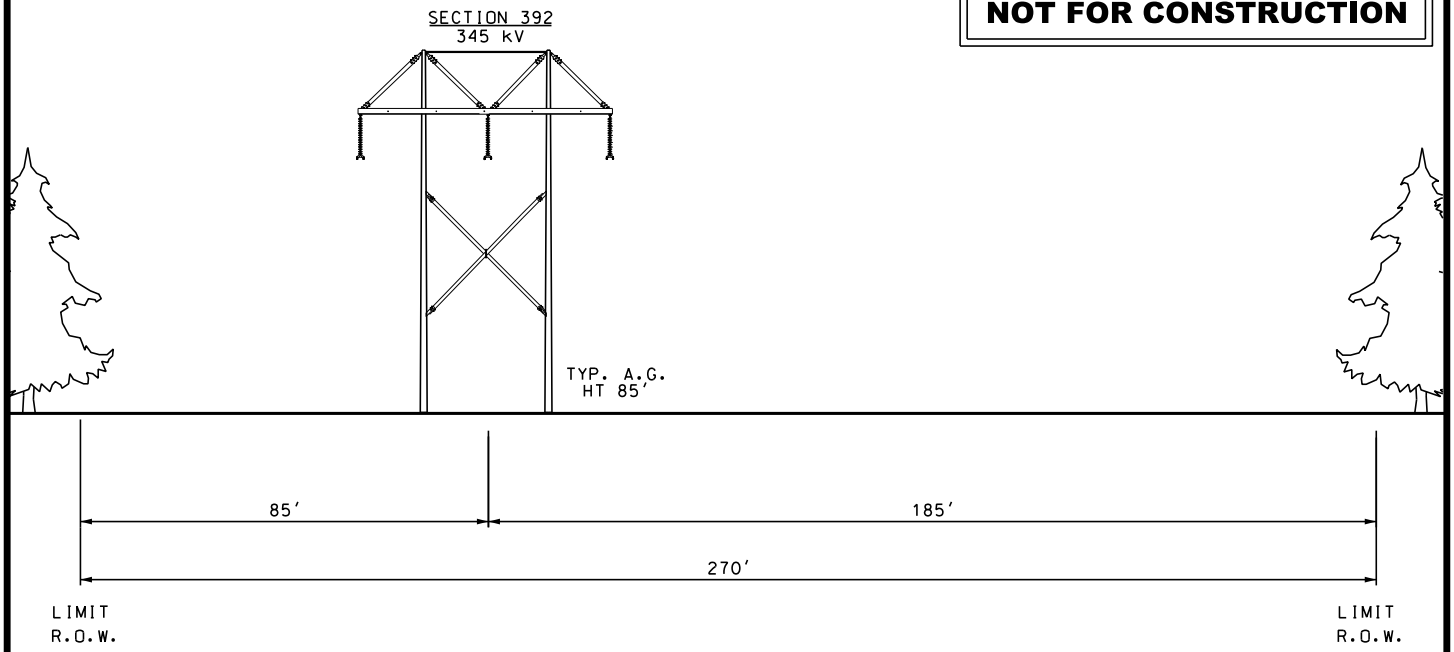
NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 5

CHECKED		DESIGNED CRM	DATE 4/10/17	SEGMENT 5
CRM	4/11/17	DRAWN SCF	APPR.	
SCALE NTS		CENTRAL MAINE POWER		SHEET S5-4

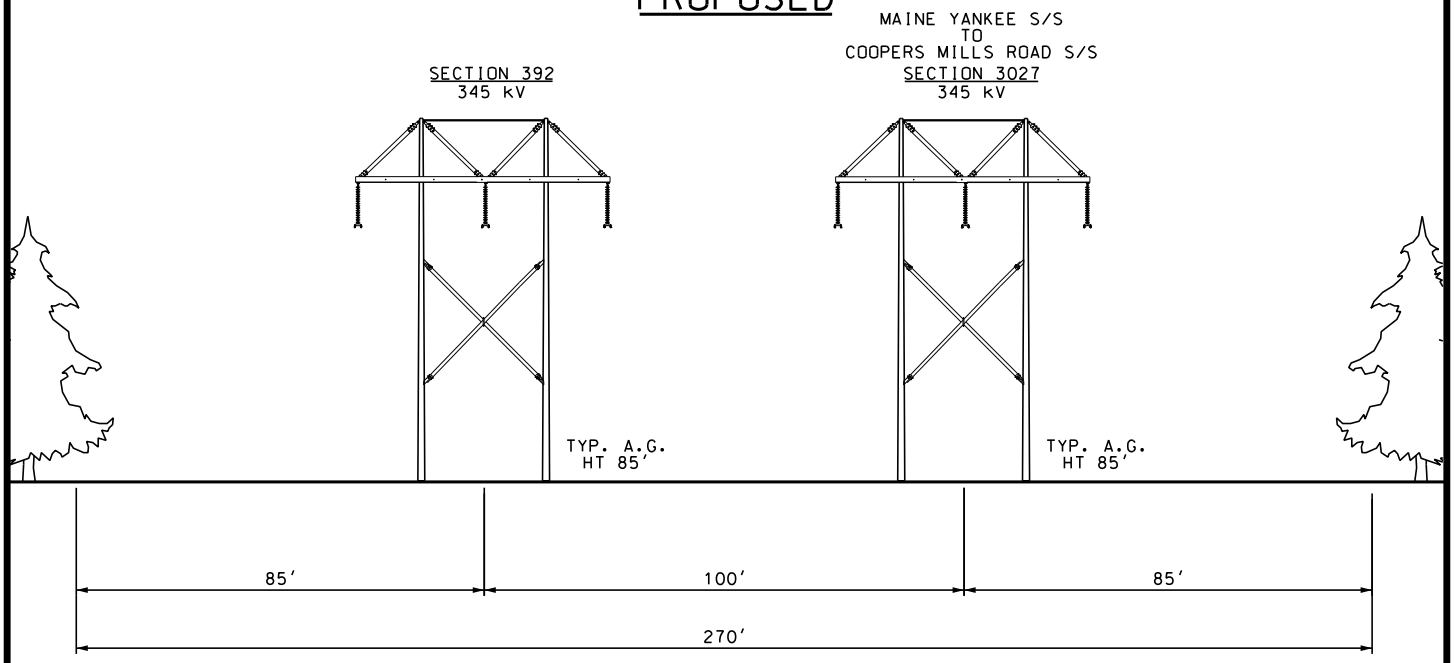
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 1.6 MILES)

PROPOSED



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 1.6 MILES)

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 392	TOWER 17 TO 32	STA. 159+80 TO 245+57.8=247+39.6

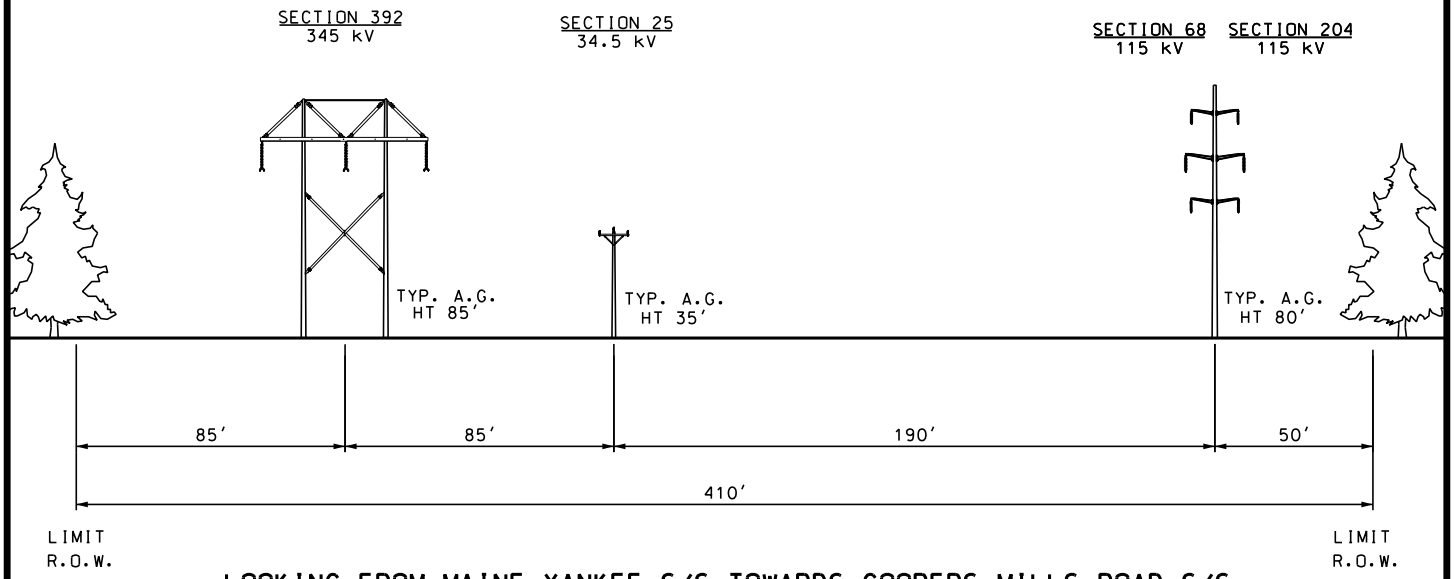
NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 5

CHECKED		DESIGNED CRM	DATE 4/10/17	SEGMENT 5
CRM	4/11/17	DRAWN SCF	APPR.	
SCALE	NTS	CENTRAL MAINE POWER		SHEET S5-5

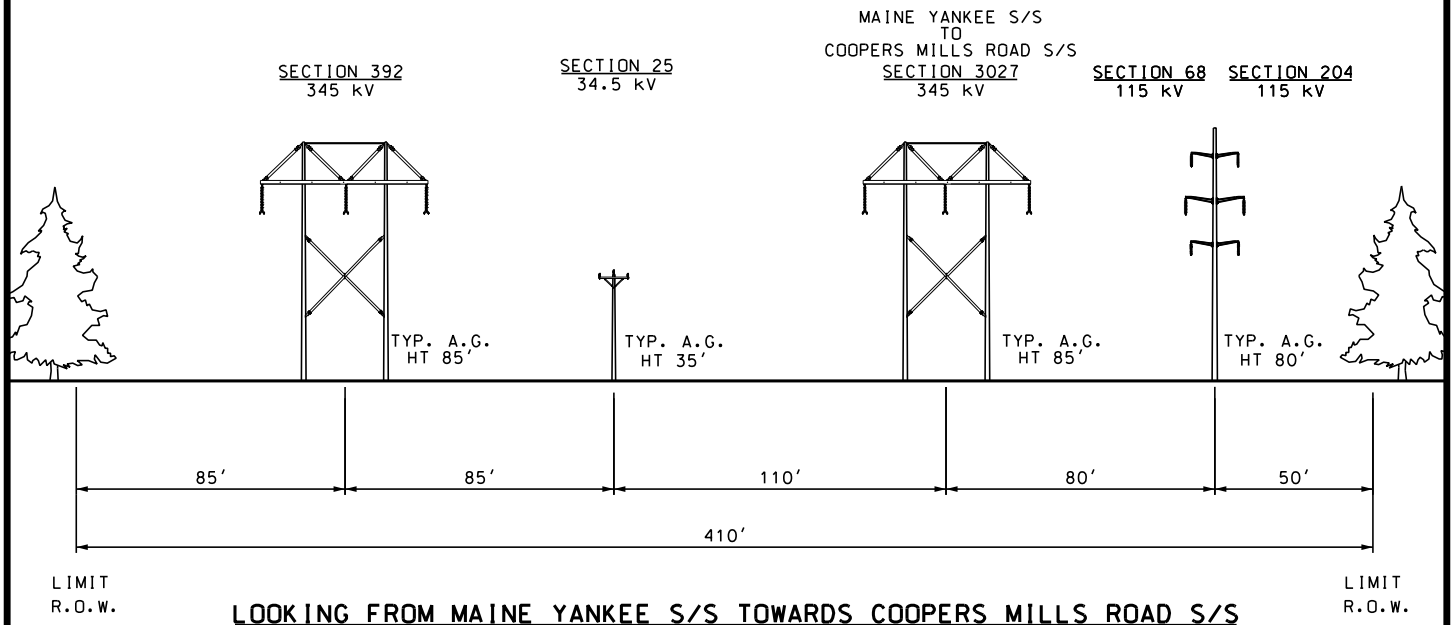
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 1.4 MILES)

PROPOSED



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 1.4 MILES)

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 392	POLE 32 TO 45	STA. 245+57.8=247+39.6 TO 322+03.5

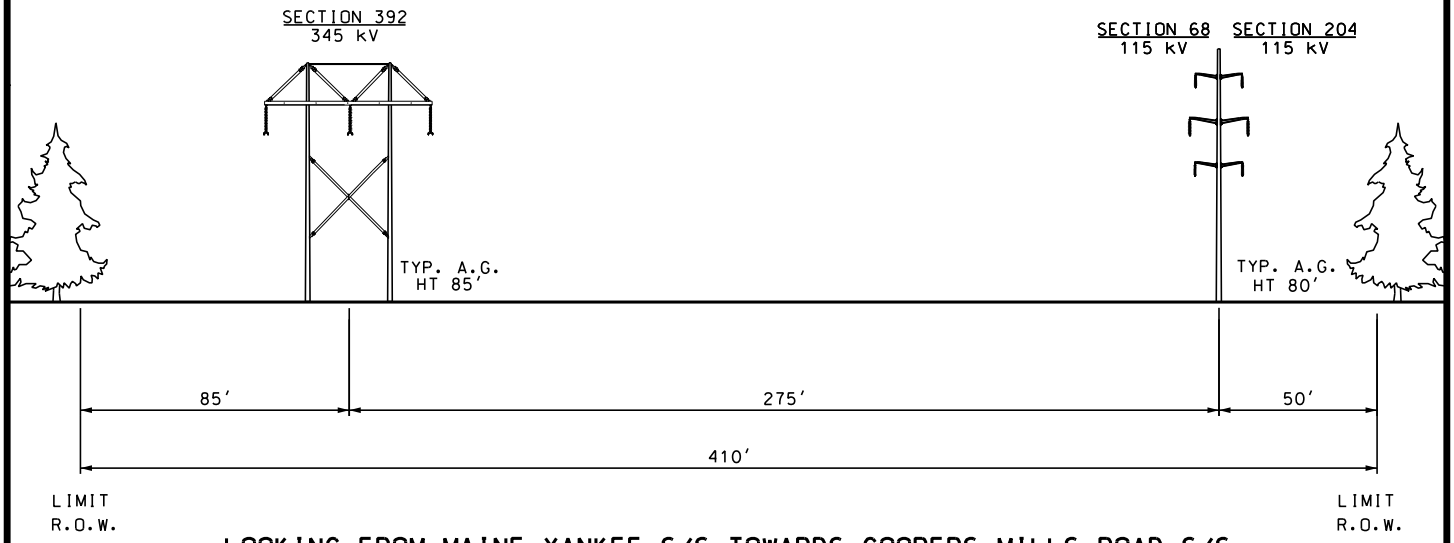
NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 5

CHECKED		DESIGNED CRM	DATE 4/10/17	SEGMENT 5
CRM	4/11/17	DRAWN SCF	APPR.	
SCALE NTS		CENTRAL MAINE POWER		SHEET S5-6

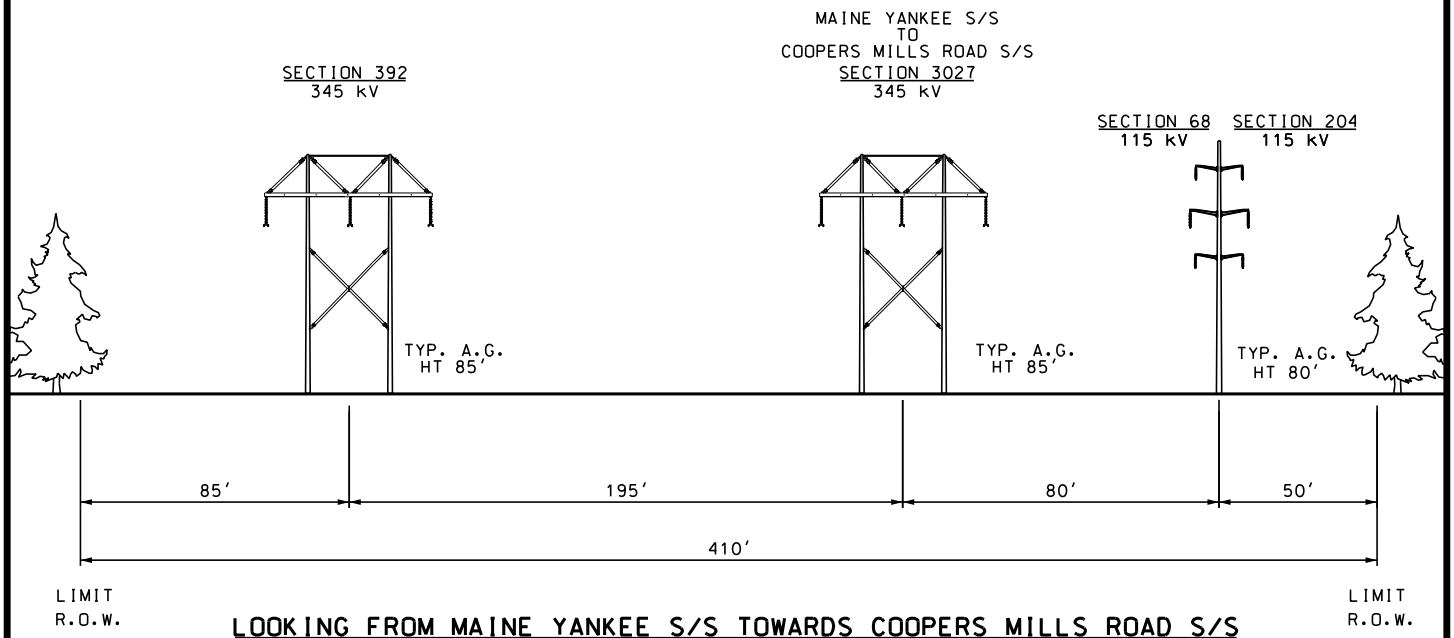
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 0.3 MILES)

PROPOSED



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 0.3 MILES)

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 392	POLE 45 TO 48	STA. 322+03.5 TO 336+73

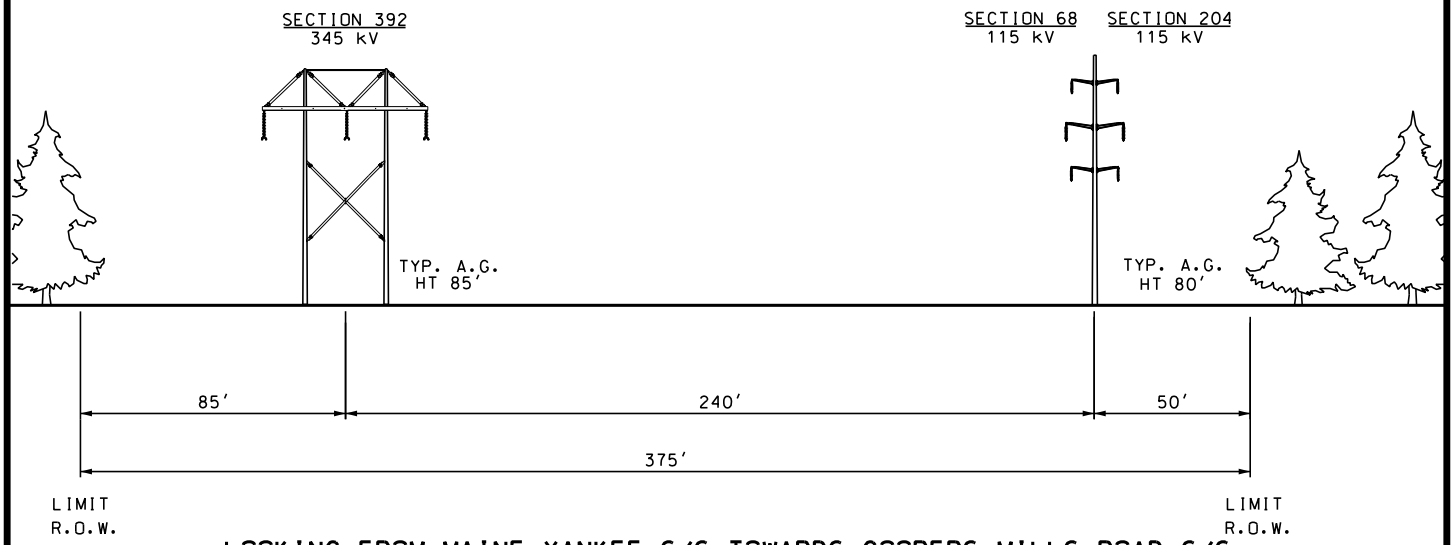
NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 5

CHECKED		DESIGNED CRM	DATE 4/10/17	SEGMENT 5
CRM	4/11/17	DRAWN SCF	APPR.	
SCALE NTS		CENTRAL MAINE POWER		SHEET S5-7

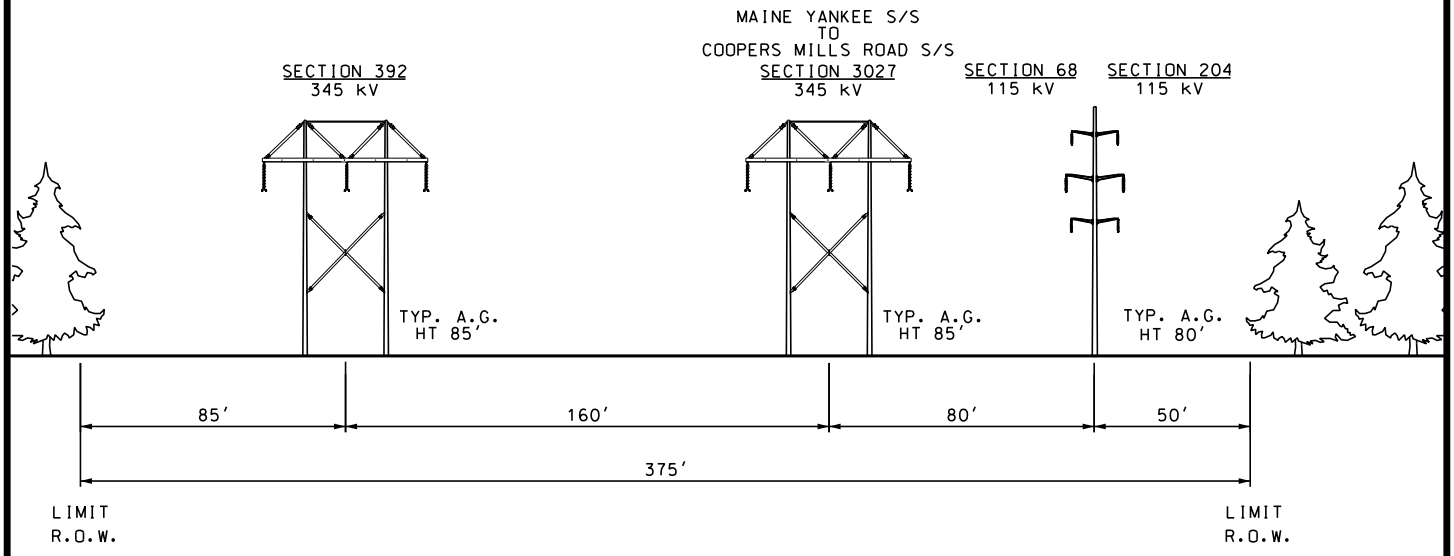
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 1.8 MILES)

PROPOSED



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 1.8 MILES)

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 392	POLE 48 TO 64	STA. 336+73 TO 434+35

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 5

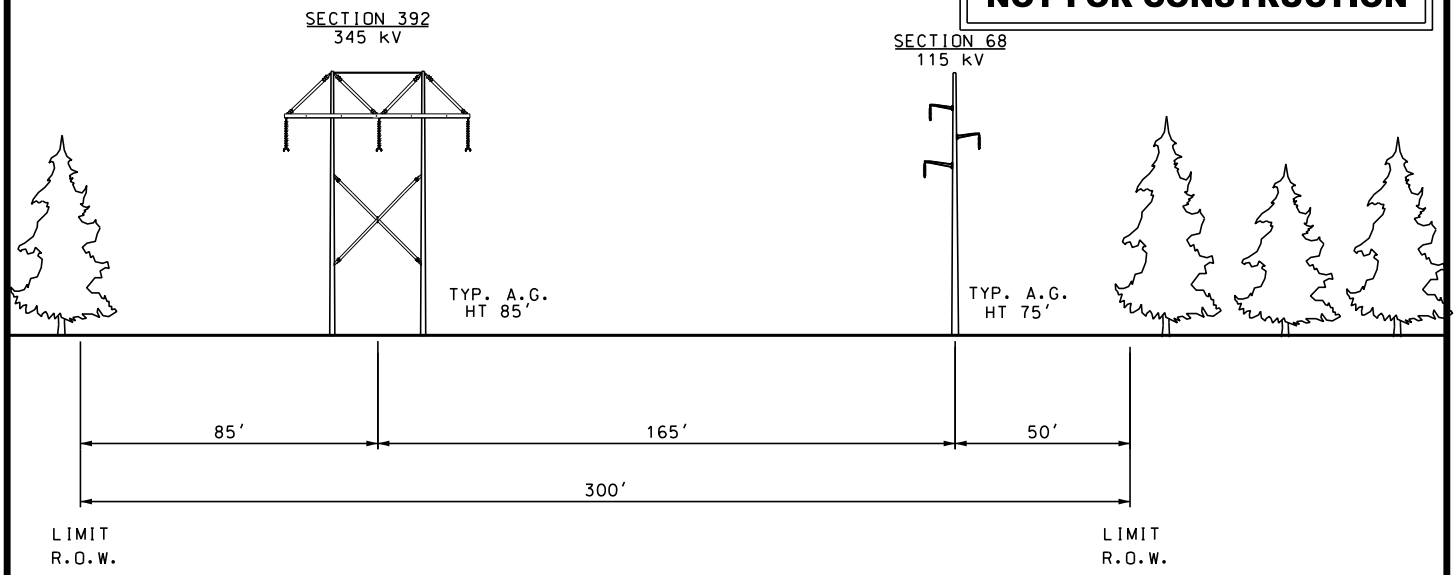
CHECKED		DESIGNED CRM	DATE 4/10/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 5

SHEET S5-8

PRELIMINARY
NOT FOR CONSTRUCTION

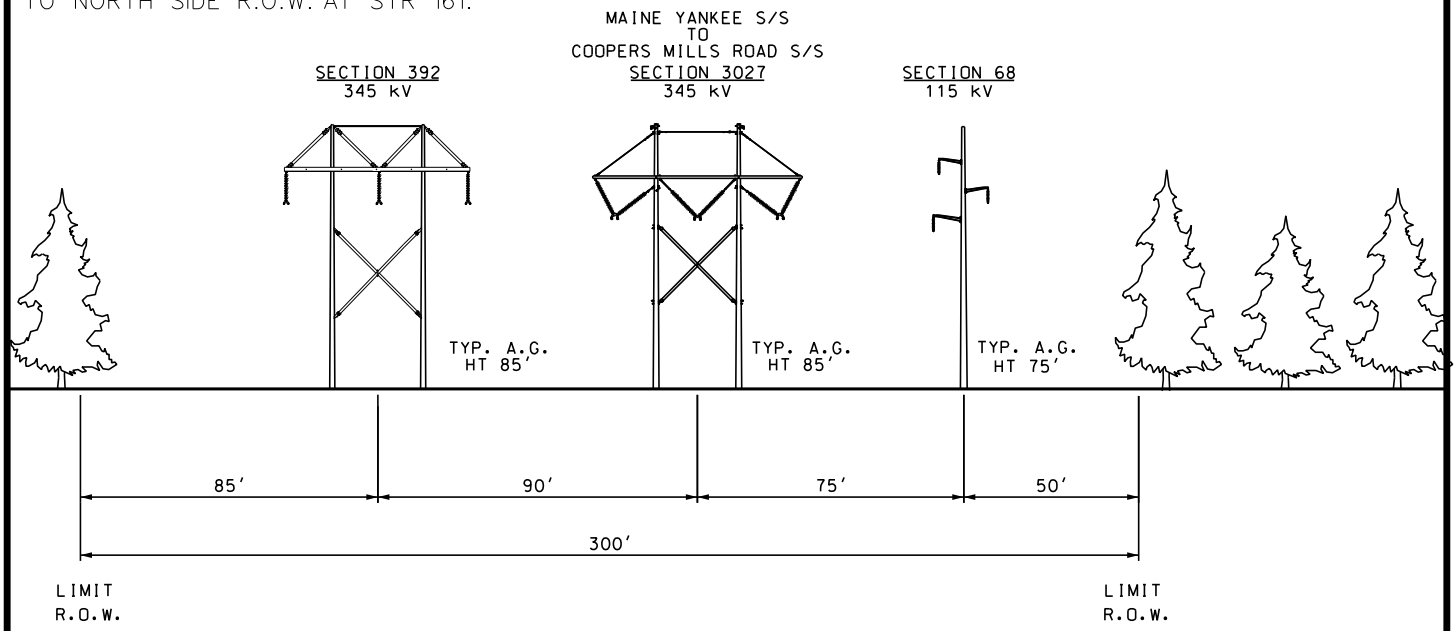
EXISTING



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 17.2 MILES)

NOTE:
EXISTING GAS PIPELINE FROM STR 153 TO STR 210 NORTH SIDE R.O.W., PIPELINE CROSSES TO SOUTH SIDE R.O.W. AT STR 160, CROSSES BACK TO NORTH SIDE R.O.W. AT STR 161.

PROPOSED



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 17.2 MILES)

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 392	POLE 64 TO 214	STA. 434+35 TO 1342+37

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 5

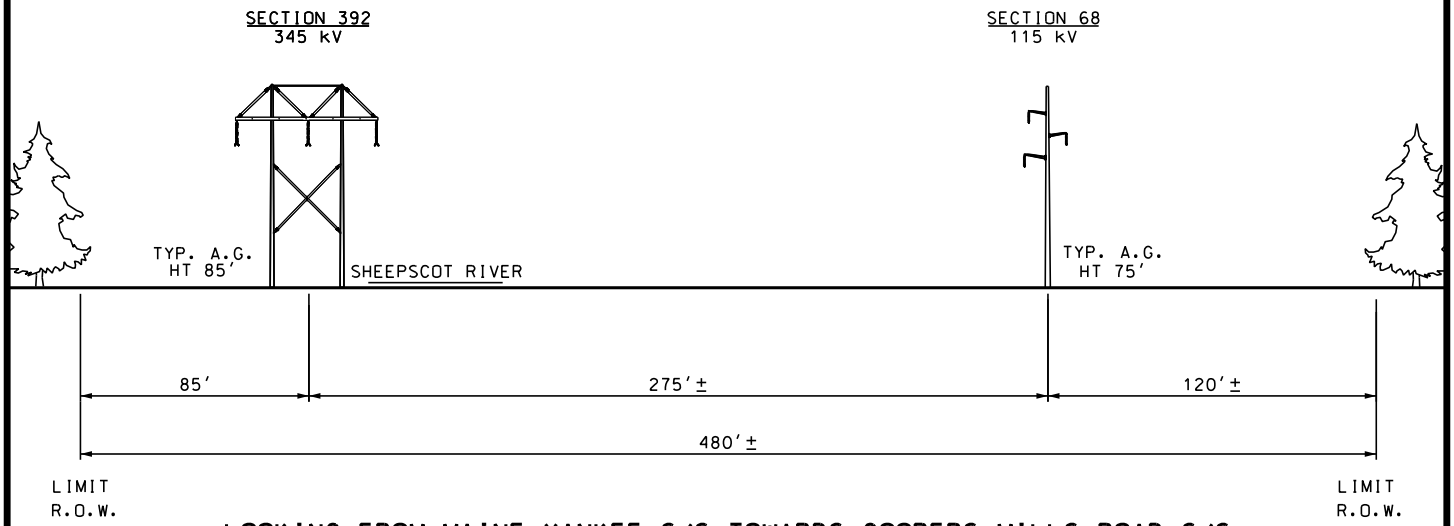
CHECKED		DESIGNED CRM	DATE 4/10/17
CRM	4/11/17	DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 5

SHEET S5-9

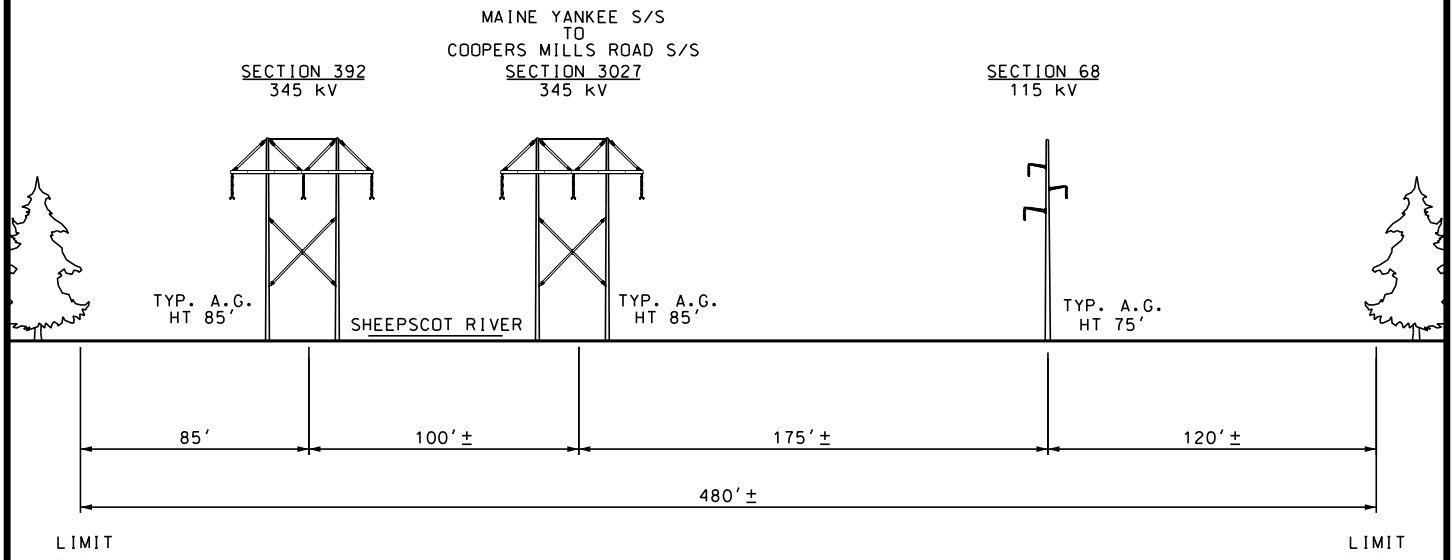
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 0.3 MILES)

PROPOSED



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 0.3 MILES)

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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 392 | POLE 214 TO 216 | STA. 1342+37 TO 1352+69

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 5

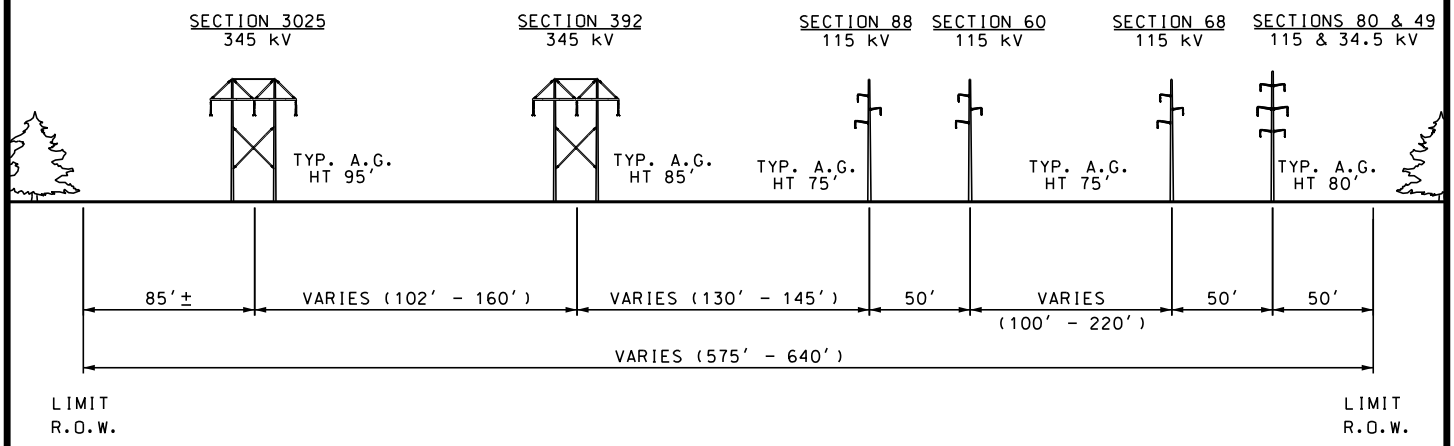
CHECKED	CRM 4/11/17	DESIGNED CRM	DATE 4/10/17
		DRAWN SCF	APPR.
SCALE	NTS	CENTRAL MAINE POWER	

SEGMENT 5

SHEET S5-10

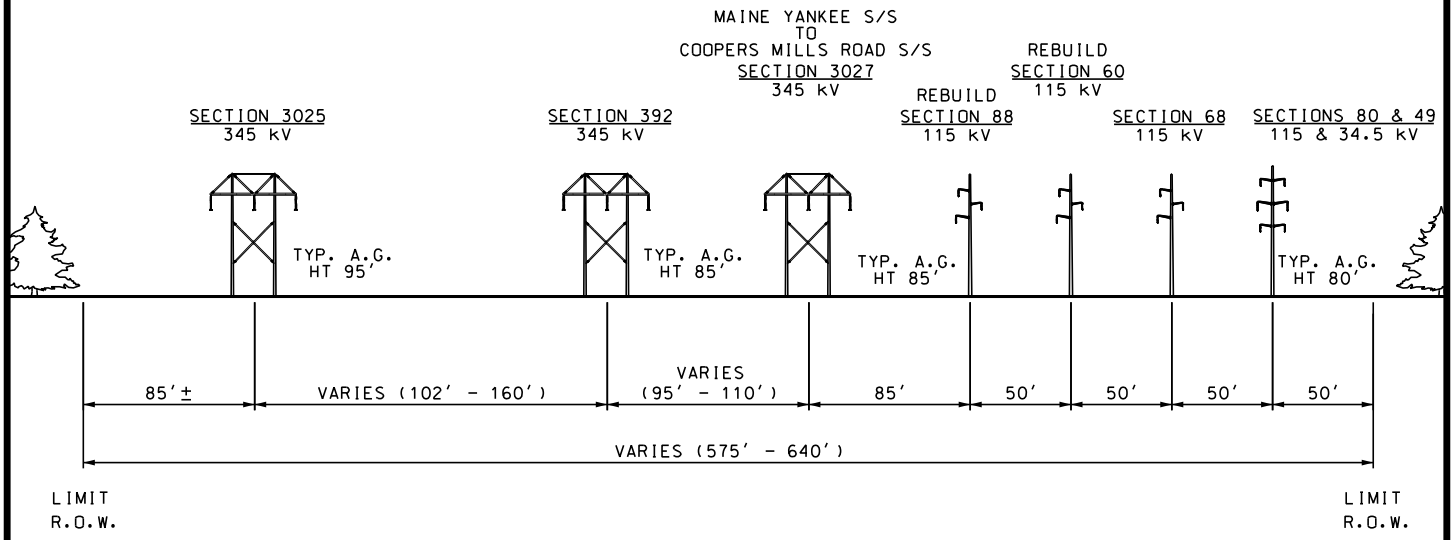
PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 0.9 MILES)

PROPOSED



LOOKING FROM MAINE YANKEE S/S TOWARDS COOPERS MILLS ROAD S/S
(APPROX. 0.9 MILES)

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

-DRAFT-
FOR REVIEW ONLY

ENG. CONTRACTOR

NO.	REVISION	DATE	BY
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1	ISSUED FOR RFP RESPONSE	9/19/17	PEI

SECTION 392	POLE 216 TO S/S	STA. 1352+69 TO 1401+29

NEW ENGLAND CLEAN ENERGY CONNECT

EXISTING AND PROPOSED R.O.W.
SEGMENT 5

CHECKED		DESIGNED CRM	DATE 4/10/17	SEGMENT 5
CRM	4/11/17	DRAWN SCF	APPR.	
SCALE	NTS	CENTRAL MAINE POWER		SHEET S5-11

Attachment G
SEARCH, Inc. Archeological Management Summary

MANAGEMENT SUMMARY

NEW ENGLAND CLEAN ENERGY CONNECT
PHASE I ARCHAEOLOGICAL SURVEY
ANDROSCOGGIN, CUMBERLAND, FRANKLIN, LINCOLN, SAGADAHOC, SOMERSET, AND KENNEBEC COUNTIES, MAINE

PREPARED FOR

CENTRAL MAINE POWER COMPANY
AUGUSTA, MAINE

PREPARED BY

BOSTON, MASSACHUSETTS

WWW.SEARCHINC.COM

AUGUST 2018

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JACOB FREEDMAN, MA
PRINCIPAL INVESTIGATOR (PRE-CONTACT ARCHAEOLOGY)

JESSICA FISH, MS, RPA
PRINCIPAL INVESTIGATOR (POST-CONTACT ARCHAEOLOGY)

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AUGUST 2018

1. INTRODUCTION

In 2017 and 2018, SEARCH conducted a Phase I archaeological survey for the New England Clean Energy Connect (NECEC) Project (Project) proposed by Central Maine Power Company (CMP). This management summary presents a synopsis of the results.

The NECEC is proposed in response to the Request for Proposals for Long-Term Contracts for Clean Energy Projects dated March 31, 2017, issued by the Massachusetts Department of Energy Resources and the Electric Distribution Companies of Massachusetts. The NECEC is proposed to deliver renewable energy from Quebec-based sources to the New England Control Area for Massachusetts customers.

The proposed linear extent of the entire NECEC Project is approximately 322 kilometers (km) (200 miles [mi]), crossing portions of seven counties, 24 municipalities, and 15 unorganized areas within the State of Maine (**Figure 1**). The majority of the proposed Project is composed of a combination of new and rebuilt transmission lines that extend from the Canadian border to the Surowiec Substation in Pownal, crossing Franklin, Somerset, Androscoggin, and Cumberland Counties in western and central Maine. A second proposed transmission line would extend from the Coopers Mills Substation in Windsor to the Maine Yankee Substation in Wiscasset, crossing Kennebec, Lincoln, and Sagadahoc Counties in coastal Maine.

This synopsis summarizes the results of the Phase I archaeological survey of NECEC. A Phase I survey "involves initial search for and location of all potentially significant archaeological sites within a specified area, or gathering enough data for statistical assurance that no such sites exist" (94-089 CMR Chapter 812); however, where resources were encountered by the present project that are defined by a single positive shovel test, SEARCH has made a recommendation of not eligible for National Register of Historic Places (NRHP) listing herein.

The NECEC Phase I survey was conducted in three stages. First, a desktop review of the Area of Potential Effect (APE) was completed (Freedman et al. 2017). The desktop review proposed a stratified approach to conducting survey within the anticipated direct APE, identifying Sensitive Areas (SAs) within the Project APE where the potential for encountering archaeological deposits was enhanced. It also included information regarding known historic properties; an environmental context for the Project, including past and current conditions; and a cultural context for both pre-contact and post-contact time periods. Following the desktop review, SEARCH conducted an archaeological reconnaissance survey of the Project APE (Clement et al. 2018) following the stratified approach proposed therein. The archaeological reconnaissance survey visited 148 SAs and identified 198 locations where subsurface testing (Test Areas [TAs]) was proposed. Finally, SEARCH returned to each TA and excavated a series of pre-planned shovel tests designed to sample the landform, surface feature, or other element that was the basis for TA location.

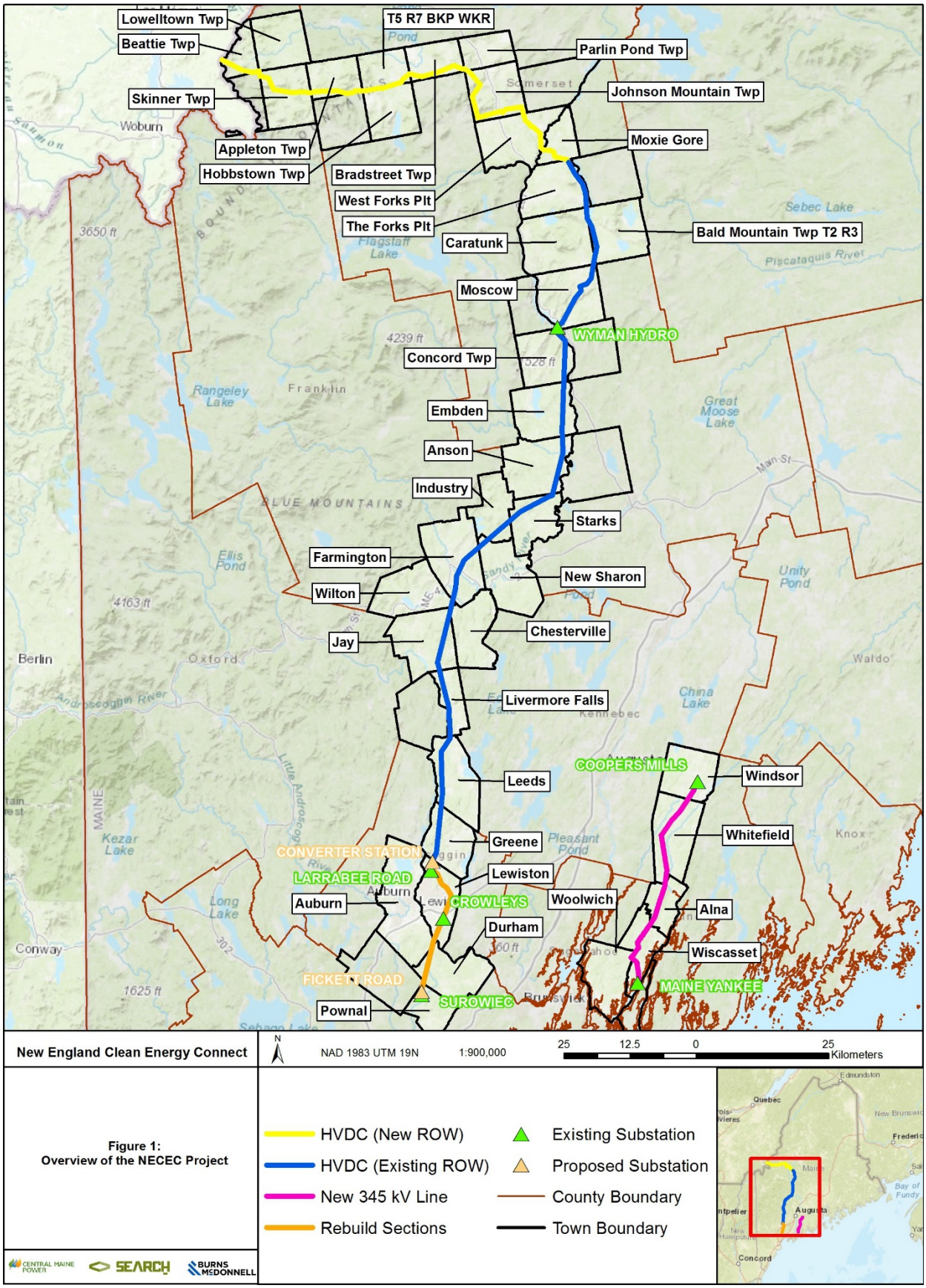

Figure 1:
Overview of the NECEC Project

Phase I and Phase II cultural resource surveys had been previously conducted along a portion of the NECEC direct APE as part of Section 17 of the Maine Power Reliability Program (MPRP) (Clark et al. 2008; Clark and Mack 2010; Clark et al. 2010; Wheeler et al. 2008). These pre- and post-contact cultural resource surveys covered the full width of the Project corridor under consideration by NECEC. Therefore, additional sub-surface testing was undertaken by SEARCH only where the reconnaissance survey located archaeological resources that had not been previously documented as part of the MPRP project.

2. DESKTOP REVIEW AND SENSITIVE AREAS

SAs were defined as a location or related set of proximate locations where desktop review and background research suggested there is a sufficient likelihood for archaeological remains to be present to justify a reconnaissance survey followed by subsurface testing (if necessary). SEARCH identified SAs through a desktop review of the NECEC Project area (Freedman et al. 2017). This review included consultation with the Maine Historic Preservation Commission (MHPC) regarding previously recorded archaeological resources and previous archaeological surveys within the Project area, as well as historic background research, historic map overlays, soil analysis, slope, proximity to water or relict water sources, bedrock geology, and surficial geology data.

SAs were identified as being pre-contact, post-contact, or both (areas with pre-contact and post-contact sensitivity). Sensitivity for pre-contact SAs was based on a number of environmental factors, including proximity to water resources, soil drainage, elevated or otherwise attractive landforms, and slope. Post-contact SAs were typically associated with historic houses and farmsteads or locations where these once stood, but were also associated with other historic structures or their remains, such as schools, churches, mills, transportation corridors, or other historic locations. Identification of post-contact SAs was largely derived from historic maps and accounts, although environmental factors, such as proximity to water resources, are also considered indicative of post-contact sensitivity. Portions of the APE identified as having either high or moderate sensitivity for post-contact or pre-contact resources were then abstracted into areas that spanned the APE. A 100-meter (m) (328-foot [ft]) buffer was used for sensitivity to compensate for issues of scale connected to the datasets being used.

The desktop survey identified a total of 148 SAs for examination. Their total length was 162,001 m (3,591.2 ft), with a mean length of 1,095 m (3,591.2 ft) and a median length of 480 m (1,574.8 ft). The standard deviation was 1,669 m (5,474.2 ft). Five SAs were identified based on pre-contact sensitivity, 33 were identified based on post-contact sensitivity, and the remaining 110 SAs were identified based on both pre- and post-contact sensitivity.

3. FIELD RECONNAISSANCE

Field reconnaissance evaluated each SA to confirm the presence of cultural and environmental variables, which were used to establish each SA as having either a high or moderate probability to contain intact archaeological deposits. The goals of the reconnaissance survey were to:

- Confirm the presence/absence of environmental variables that defined a SA:
    - Establish the areal extents of sensitivity—it was anticipated that the broadly defined SAs identified by the desktop review will not typically require sub-surface testing in their entirety.
    - Locate and document the portions of each landform that will require sub-surface testing.

Where no evidence of occupation or landform sensitivity was noted during field reconnaissance, SAs identified during the desktop review were eliminated from further archaeological survey.

The field effort utilized teams of two or more crew members to assess each SA. Typically, one crew member conducted a pedestrian survey along one edge of the right-of-way (ROW) to be cleared, while the other crew member conducted a pedestrian survey the other edge; the two crew members would then conduct a pedestrian survey in the center of the ROW. In all cases, the SA was examined with an eye toward locations advantageous to pre-contact or post-contact settlement. In some instances while transiting along the ROW from one SA to another, field teams encountered locations with high probability for pre-contact or post-contact habitation that were not captured by the desktop assessment (Freedman et al. 2017). Testing of these locations was recommended, and they were addressed in conjunction with the adjacent SA.

Field reconnaissance identified a total of 666 cultural features; a summary list is provided in **Appendix 1**. It also defined 601 transect locations in 198 TAs and recommended a total of 3,442 shovel tests for subsurface testing. Additional work also was recommended at several locations that did not involve shovel testing:

- a ground-penetrating radar (GPR) transect was recommended near a marked historic cemetery to ensure it does not extend into the APE;
- an evaluation area was recommended to document a possible historic mill;
- a surface collection area was identified where pre-contact sensitivity was high;
- four geomorphological study areas were defined in locations where floodplains are present and the potential for deeply buried archaeological surfaces is present; and,
- two locations where rhyolite outcrops were observed were recommended for inspection to identify if tailings or other evidence of quarrying is present.

No additional work was recommended for 49 SAs.

4. SUBSURFACE TESTING

Following review and acceptance of the desktop review (Freedman et al. 2017) and the archaeological reconnaissance survey (Clement et al. 2018) reports by the MHPC, SEARCH conducted subsurface survey testing at transect locations identified therein. Fieldwork conformed to accepted practices in Maine. Shovel Tests (STs) were 50-x-50-centimeter (cm) excavations to facilitate identification of soil stratification and subsurface features, if present. Soils were screened through 6.4-millimeter (mm) (1/4-inch) hardware cloth to enhance artifact recovery. ST locations were captured through Global Positioning System (GPS) technology using mobile devices with external antennae and Global Navigation Satellite System (GNSS) GPS receivers capable of sub-meter accuracy. Similarly, field recordation was maintained utilizing ESRI's Collector for ArcGIS on mobile devices and synchronized daily with ArcGIS online. Recordation consisted of general locational information, particularly as it pertained to disturbance and subsurface conditions; stratigraphic information regarding soil horizonation, including Munsell soil colors, texture, and other information useful for assessing soil conditions; and artifact content, where present. Additionally, a record of excavations was maintained through geotagged photographs, as well as through standard profile drawings of representative STs where cultural materials were not identified and of all STs that were found to contain artifacts.

Artifacts recovered by the program of subsurface survey were retained for laboratory analysis and were packaged in the field by level or soil horizon; each provenience received a unique Field Specimen (FS) number assigned in the field and used to track artifacts throughout the analysis process. FS numbers are an integral element of the recordation of artifact content. Analysis was conducted at the SEARCH laboratory facility and utilized standard practices in the discipline. At the conclusion of fieldwork, artifacts were transported to the SEARCH laboratory for processing and analysis. Items were washed, dried, and analyzed using appropriate reference materials. The artifacts were then rebagged in acid-free, 4-mil polyethylene bags with acid-free paper label inserts following federally accepted standards (36 CFR Part 79).

5. SUMMARY OF RESULTS

The Phase I survey identified 46 new archaeological resources in the Project APE; an additional 10 previously identified archaeological resources are also present. **Table 1** lists identified archaeological resources by town/township and county, and provides preliminary recommendations.

Table 1. Summary of Archaeological Resources identified in the Project APE.

Resource ID	Town/Township	County	NECEC Actions*
QMI-02-01-001	The Forks Plt	Somerset	Avoidance Measures
QMI-03-01-001	Moscow	Somerset	Avoidance Measures
QMI-03-01-002	Moscow	Somerset	Avoidance Measures
QMI-03-01-003	Moscow	Somerset	None - Not NRHP Eligible

Table 1. Summary of Archaeological Resources identified in the Project APE.

Resource ID	Town/Township	County	NECEC Actions*
QMI-03-01-004	Moscow	Somerset	Avoidance Measures
QMI-04-04-001	Moscow	Somerset	Avoidance Measures
QMI-04-06-006	Moscow	Somerset	Avoidance Measures
QMI-05-16-001	Anson	Somerset	None - Avoided
QMI-05-16-002	Anson	Somerset	Avoidance Measures
QMI-05-16-003	Anson	Somerset	Avoidance Measures
QMI-05-16-004	Anson	Somerset	Avoidance Measures
QMI-06-01-001	Starks	Somerset	Avoidance Measures
QMI-08-05-001	Starks	Somerset	Avoidance Measures
QMI-08-16-001	Farmington	Franklin	None - Impacts Limited to Previously Disturbed Area
QMI-08-16-002	Farmington	Franklin	None - Not NRHP Eligible
QMI-08-17-001	Farmington	Franklin	Avoidance Measures
QMI-08-17-002	Farmington	Franklin	Avoidance Measures
QMI-08-19-001	Farmington	Franklin	None - Not NRHP Eligible
QMI-08-19-001	Farmington	Franklin	Avoidance Measures
QMI-08-19-003	Farmington	Franklin	Avoidance Measures
QMI-08-20-001	Farmington	Franklin	None - Not NRHP Eligible
QMI-08-20-002	Wilton	Franklin	None - Not NRHP Eligible
QMI-08-20-003	Wilton	Franklin	None - Not NRHP Eligible
QMI-08-21-001	Chesterville	Franklin	None - Not NRHP Eligible
QMI-08-22-001	Jay	Franklin	Avoidance Measures
QMI-08-23-001	Jay	Franklin	None - Not NRHP Eligible
QMI-08-24-001	Jay	Franklin	Avoidance Measures
QMI-09-01-001	Jay	Franklin	None - Access using existing ATV trail
QMI-14-05-001	Greene	Androscoggin	None - Avoided
QMI-14-07-001	Greene	Androscoggin	Avoidance Measures
S11-04-02-001	Wiscasset	Lincoln	Avoidance Measures
S11-04-02-002	Wiscasset	Lincoln	None - Not NRHP Eligible
S11-04-03-001	Wiscasset	Lincoln	Avoidance Measures
S11-05-01-001	Windsor	Kennebec	None - Impacts Limited to Previously Disturbed Area
S11-05-03-001	Whitefield	Lincoln	Avoidance Measures
S11-05-03-002	Whitefield	Lincoln	None - Not NRHP Eligible
S11-05-03-003	Whitefield	Lincoln	Avoidance Measures
S11-05-06-001	Whitefield	Lincoln	None - Avoided
S11-05-10-001	Whitefield	Lincoln	None - Avoided
S11-05-14-001	Whitefield	Lincoln	Avoidance Measures
S11-05-15-001	Alna	Lincoln	None - Avoided
S11-11-04-001	Wiscasset	Lincoln	None - Avoided
S15-05-005	Whitefield	Lincoln	Avoidance Measures
S62/64-07-002	Lewiston	Androscoggin	None - Impacts Limited to Previously Disturbed Area
S62/64-13-001	Durham	Androscoggin	None - Not NRHP Eligible
S62/64-14-001	Pownal	Cumberland	Avoidance Measures
036-054	Livermore Falls	Androscoggin	Not Evaluated – Not Located in MPRP/NECEC APE
036-044	Leeds	Androscoggin	Not Evaluated – Not Located in MPRP/NECEC APE
024-043	Lewiston	Androscoggin	None - Not Located in MPRP/NECEC APE
024-042	Lewiston	Androscoggin	None - Not Located in MPRP/NECEC APE
024-041	Lewiston	Androscoggin	None - Not Located in MPRP/NECEC APE
024-040	Lewiston	Androscoggin	None – Not NRHP Eligible

Table 1. Summary of Archaeological Resources identified in the Project APE.

Resource ID	Town/Township	County	NECEC Actions*
014-161	Durham	Androscoggin	None – Not NRHP Eligible
ME 180-01	Greene	Androscoggin	None – Not NRHP Eligible
ME 131-002	Durham	Androscoggin	None – Not NRHP Eligible
ME 131-003	Durham	Androscoggin	Avoid Using MPRP Avoidance Area – NRHP Eligible

*Eligibility status and proposed NECEC actions subject to MHPC review.

Fifteen (26.8 percent) of the 56 resources identified in the Project APE are in Franklin County, including eight in Farmington, four in Jay, two in Wilton, and one in Chesterville. Fourteen of the resources (25.0 percent) are in Androscoggin County, including five in Lewiston, four in Durham, three in Greene, and one each in Livermore Falls and Leeds. Thirteen resources (23.2 percent) are in Somerset County, including six in Moscow, four in Anson, two in Starks, and one in The Forks Plantation. Twelve resources (21.4 percent) are in Lincoln County, including seven in Whitefield, four in Wiscasset, and one in Alna. Finally, one resource each (1.8 percent) is in Cumberland County (Town of Pownal) and Kennebec County (Town of Windsor).

For each of the 46 newly identified resources, a 50-m (164-ft) buffer has been developed as an avoidance area. They range in size from a minimum of 3,953.6 square meters (m^2) (42,556.2 square feet [ft^2]) to a maximum of 17,736.0 m^2 (190,908.7 ft^2). The mean size is 9,367.0 m^2 (100,825.6 ft^2), with a median of 7,883.1 m^2 (84,853.0 ft^2) and a standard deviation (s.d.) of 3,762.1 m^2 (40,494.9 ft^2). The total avoidance area for the newly identified resources is 430,880.9 m^2 (4,637,963.4 ft^2).

Phase I subsurface testing has been completed. Analysis (ongoing) of 1,368 of the artifacts recovered provides a picture of the kinds of resources that are located within the Project APE. The mean number of artifacts per resource is 44.1, with a range from 1 to 426 and a standard deviation of 87.5. The median artifact count is 10. Sixteen resources contain 10 or fewer artifacts, including five that contain only one artifact each, one that contains only two artifacts, and three that contain only three artifacts each. Five resources contain more than 100 artifacts each. Eleven of the resources are defined by a single positive shovel test each, while three more contain only two positive shovel tests. The mean number of positive shovel tests per site is 3.2 (s.d. 3.0) with a range from 1 to 13 and a median of 3. Only two resources are marked by more than 10 positive shovel tests.

Of the resources identified, only one is marked by pre-contact artifacts. This resource was defined by a single positive shovel test on a level landform adjacent to a wetland, located in the Town of Whitefield, Lincoln County. It contained five artifacts, including two informal unifacial flake tools; however, none of the artifacts are diagnostic of a particular time period.

The remaining resources are post-contact and are marked by 1,363 currently analyzed artifacts. In **Table 2**, they are summarized by functional groups, which give a rough estimate of the kinds of sites encountered. Kitchen group artifacts (mostly tableware ceramics and bottle glass) are typically associated with domestic activities and mark domestic sites. These sites also are often

marked by clothing, personal, tobacco, and furniture group items, represented respectively in the NECEC collection by buttons and a brass grommet; pocket knives and coins; kaolin pipe bowls and stems; and unidentified furniture items. Architecture group items such as nails, brick, and window glass, occur at all sites where buildings were once located, while activity group items in the collection are associated with various tasks; the latter include a masonry trowel, a sickle blade, a metal canteen, a metal washer, an iron spring, an unidentified metal clip, and some sheet iron or steel. Miscellaneous items are not generally assignable to any particular site type.

Table 2. Historic Artifacts by Functional Group.

Functional Group	Count	Percent
Kitchen	732	54%
Architecture	532	39%
Miscellaneous	72	5%
Activity	9	1%
Clothing	7	1%
Tobacco	6	0%
Personal	4	0%
Furniture	1	0%
Total	***1363***	***100%***

The 30 post-contact resources contain 223 artifacts with known periods of manufacture (**Appendix 2**). The most common class of datable artifact is various kinds of pearlware, which make up 52 percent of the dateable collection; specimens in the collection were manufactured as early as 1774 and as late as 1840. Bristol slip stoneware, manufactured between 1850 and 1930, accounts for another 15 percent of the datable collection, while creamware, represented by specimens manufactured as early as 1740 and as late as 1820, accounts for another 14 percent. They are followed by unidentified refined earthenware (1780–1870) at 8 percent and ironstone (1813–1930) at 5 percent. No other artifact class accounts for more than 2 percent of the collection. The earliest dateable artifact in the collection is a sherd of plain, clear glaze slipware manufactured between 1670 and 1795, while four bottle bases, two with Owen's scars and the others with valve scars, represent the latest datable artifacts with manufacturing dates of 1905–1982 and 1910–1959, respectively. The relatively low incidence of twentieth-century material in the collection is also suggested by wire nails, which account for only 8 percent of the 246 identifiable nails in the collection; although invented earlier, wire nails did not become widely available until the twentieth century.

6. RECOMMENDATIONS

Table 1 presents preliminary recommendations for the 46 newly identified archaeological resources and for the 10 previously identified archaeological resources that are also within the Project APE. One previously identified site has been determined to be eligible for listing in the NRHP by the MPHC and is recommended for avoidance. Four other previously identified sites have been determined not eligible; no action is required for these sites. Finally, five of the previously identified sites were not evaluated; however, subsequent testing determined that they are not within the NECEC APE. These sites also require no action. Previously identified sites are reported in Clark et al. (2008, 2010), Clark and Mack (2010), and Wheeler et al. (2008).

Of the 46 newly identified resources, no action is recommended in 21 instances: one should be accessed using an extant ATV trail to avoid impact; six will be avoided; three will have impacts by the Project only in previously disturbed areas; and 11 are not eligible for NRHP listing. For the remaining 25 newly identified resources, avoidance is recommended.

7. REFERENCES CITED

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Wheeler, Kathleen, Ellen Marlatt, and Jacob Tumelaire
2008 Cultural Resources Investigation: Maine Power Reliability Program (MPRP): Historic Archaeological Survey Results of Phase 0 and Phase I Reconnaissance Survey, Segment 17 (MHPC #600).

Appendix 1. Cultural Features Identified in the NECEC Project ROW.

Cultural Feature	Count	SA(s)
55-gallon drum (not collected)	1	QMI-01-30
5-gallon milk can (not collected)	1	S11-05-03
Abandoned automobile	4	QMI-05-09; QMI-14-03; QMI-01-19; QMI-02-03
Apple orchard—possible landscape	1	QMI-08-24
Borrow pit (modern)	19	S62/64-02; S62/64-12; S11-04-01; S11-05-01; S11-05-02; S11-05-03; S11-05-09; S11-05-14; S11-05-15; S11-07-01; QMI-04-07; QMI-14-02; QMI-01-12; QMI-01-23
Bridge Beam (displaced)	1	QMI-01-14
Cellar hole	23	S62/64-11; S62/64-14; S11-05-03; S11-05-05; S11-05-14; S29-02-04; S29-04-03; QMI-05-08; QMI-05-16; QMI-08-07; QMI-08-08; QMI-08-16; QMI-08-24; QMI-09-01; QMI-14-05; QMI-14-07; QMI-02-01; QMI-03-01
Collapsed structure	2	S11-05-10; QMI-02-04
Concrete rubble scatter (modern)	1	S11-05-06
Cut granite block	1	QMI-08-22
Dirt mounds (modern dump truck loads)	5	S11-01-01
Enchanted Mountain Ski Area (1965-1973) remains	1	QMI-01-19
Fieldstone rock pile	101	S62/64-05; S62/64-08; S62/64-14; S11-01-01; S11-01-01; S11-04-03; S11-05-03; S11-05-06; S11-05-14; S11-05-16; S11-07-01; S11-07-02; QMI-05-15; QMI-05-06; QMI-05-09; QMI-05-10; QMI-05-15; QMI-05-16; QMI-08-07; QMI-08-09; QMI-08-12; QMI-08-13; QMI-08-16; QMI-08-17; QMI-14-01; QMI-14-02; QMI-14-03; QMI-14-11; QMI-03-01
Fieldstone wall	295	S62/64-05; S62/64-06; S62/64-07; S62/64-08; S62/64-10; S62/64-11; S62/64-12; S62/64-13; S62/64-14; S11-01-01; S11-01-02; S11-04-01; S11-04-02; S11-04-03; S11-05-01; S11-05-02; S11-05-03; S11-05-04; S11-05-05; S11-05-06; S11-05-13; S11-05-14; S11-05-16; S11-05-18; S11-05-20; S11-07-01; S29-02-04; S29-04-01; S29-04-02; S29-04-03; QMI-05-06; QMI-05-08; QMI-05-09; QMI-05-15; QMI-05-16; QMI-08-02; QMI-08-04; QMI-08-05; QMI-08-06; QMI-08-07; QMI-08-08; QMI-08-09; QMI-08-12; QMI-08-13; QMI-08-14; QMI-08-15; QMI-08-16; QMI-08-17; QMI-08-18; QMI-08-19; QMI-08-20; QMI-08-21; QMI-08-22; QMI-08-23; QMI-08-24; QMI-08-25; QMI-08-26; QMI-09-01; QMI-09-02; QMI-10-01; QMI-14-01; QMI-14-02; QMI-14-03; QMI-14-04; QMI-14-05; QMI-14-07; QMI-14-11; S62/64-01; QMI-03-01
Ford	1	S62/64-05
Geophysical test location	4	S62/64-08; S11-07-01
Graffitied boulder (modern)	1	QMI-02-02
Granite property marker	3	S62/64-13; QMI-08-26; QMI-14-07
Granite quarry	1	S62/64-11
Gravel pit	3	QMI-04-07

Appendix 1. Cultural Features Identified in the NECEC Project ROW.

Cultural Feature	Count	SA(s)
Gravel pit	2	QMI-02-04
Historic cemetery (unmaintained)	1	S11-04-02
Historic road/ historic road trace	25	S11-01-01; S11-04-01; S11-04-03; S11-05-01; S11-05-02; S11-05-03; S11-05-05; S11-05-06; S11-05-07; S11-05-09; S11-05-10; S11-05-12; S11-05-14; S11-05-17; S11-05-18; S11-05-19; S11-05-20; S11-07-01; S29-02-04; S29-04-03; QMI-01-14
Historic scatter (recent)	1	S11-05-04
Historic well	15	S62/64-12; S62/64-13; S62/64-14; S11-04-03; S11-05-01; S11-05-03; S11-05-05; S29-02-04; QMI-05-16; QMI-08-21, QMI-14-07; QMI-03-01
Industrial yard	1	S62/64-07
Large berm supporting modern road	1	S11-07-01
Maple sugar can scatter	1	QMI-05-09
Mapped house site (not identified)	34	S62/64-06; S62/64-07; S62/64-08; S62/64-11; S62/64-13; S11-05-02; S11-07-02; QMI-04-07; QMI-05-09; QMI-05-18; QMI-08-19; QMI-08-20; QMI-08-22; QMI-08-24; QMI-09-01; QMI-09-02; QMI-10-01; QMI-14-02; QMI-14-03; QMI-14-07; S62/64-01; QMI-01-07; QMI-04-06
Mechanically constructed berm	9	S62/64-08; S62/64-13; QMI-05-01; QMI-08-17; QMI-09-01; QMI-14-01; QMI-14-02
Mechanically graded access ramp	4	S62/64-08; QMI-08-26; QMI-01-21; QMI-01-27
Modern dumping location	37	S62/64-02; S62/64-05; S62/64-06; S62/64-07; S62/64-08; S62/64-11; S62/64-13; S62/64-14; S11-01-01; S11-05-03; S11-07-01; QMI-05-08; QMI-05-09; QMI-05-19; QMI-08-16; QMI-08-17; QMI-08-18; QMI-10-01; QMI-14-01; QMI-14-02; QMI-14-04; QMI-01-14; QMI-01-19; QMI-01-30; QMI-03-01
Modern scatter	2	QMI-01-30; QMI-04-04
Modern well	5	S62/64-08; S62/64-12; S62/64-13; QMI-10-01
Outbuilding foundation	6	S62/64-11; S11-05-03; S11-05-10; QMI-02-01; QMI-03-01
Outbuilding foundation (destroyed)	1	S11-05-01
Pet memorial	1	S62/64-08
Possible barn ramp	1	S62/64-07
Possible foundation	2	QMI-05-16; QMI-09-02
Possible hammerstone (not collected)	1	S11-05-05
Possible outbuilding	1	QMI-03-01
Possible spring head	2	QMI-05-08; QMI-08-05
Possible structure location	1	QMI-05-08
Possible well	2	QMI-08-24; QMI-01-16

Appendix 1. Cultural Features Identified in the NECEC Project ROW.

Cultural Feature	Count	SA(s)
Push pile	21	S62/64-07; QMI-05-04; QMI-08-14; QMI-08-22; QMI-14-01; QMI-14-02; QMI-14-03; QMI-01-07; QMI-01-09; QMI-01-10; QMI-01-12; QMI-01-17; QMI-01-22; QMI-01-25; QMI-01-26; QMI-02-04
Railroad	1	S29-02-04
Railroad (dismantled)	2	S11-07-01; S11-07-02
Railroad tracks (abandoned)	2	S62/64-07
Recreational trail	2	QMI-10-01; QMI-14-01
Rhyolite outcropping (not utilized)	8	QMI-01-12; QMI-01-18
Sand quarry	1	QMI-10-01
Standing chimney and hearth	1	QMI-14-11
Stone enclosure (historic?)	1	S62/64-08
Utilized springhead	2	S11-01-01; S11-05-14
Total Cultural Features	***666***	

Appendix 2. Summary of Dateable Artifacts Identified to Date

Artifact	Mean Manufacture Date																							*Grand Total*
	1732.5	1755	1791	1800	1802	1805	1810	1817	1819.5	1820	1827.5	1830	1832.5	1837	1837.5	1839.5	1840	1849	1855	1871.5	1890	1934.5	1943.5	
Bottle base, Owen's scar																							2	***2***
Bottle base, valve scar																						2		***2***
Button, cast; four hole												3												***3***
Creamware			27																					***27***
Creamware, clouded		4																						***4***
Ironstone																				4				***4***
Ironstone, blue underglaze transfer print														1										***1***
Ironstone, handpainted																				2				***2***
Ironstone, plain blue tinted											4													***4***
Ironstone, plain rim																				1				***1***
Nail, cut; machine stamped head													3											***3***
Pearlware					89																			***89***
Pearlware, scalloped rim impressed straight edgeware									1															***1***
Pearlware, slip painted annularware						1																		***1***
Pearlware, uid decorated					8																			***8***
Pearlware, underglaze blue h.p.				8																				***8***
Pearlware, underglazed blue edgeware							9																	***9***
Refined earthenware, uid; black underglaze stippled tr. Pr.																5								***5***
Refined earthenware, uid; edgeware, uid										2														***2***
Refined earthenware, uid; flowing colors underglaze stippled tr. Pr.																			2					***2***
Refined earthenware, uid; scalloped rim impressed curved edgeware								2																***2***

Appendix 2. Summary of Dateable Artifacts Identified to Date

Artifact	Mean Manufacture Date																							*Grand Total*
	1732.5	1755	1791	1800	1802	1805	1810	1817	1819.5	1820	1827.5	1830	1832.5	1837	1837.5	1839.5	1840	1849	1855	1871.5	1890	1934.5	1943.5	
Refined earthenware, uid; sponged ware																			1					***1***
Refined earthenware, uid; underglazed green edgeware							2																	***2***
Refined earthenware, uid; unscalloped impressed rim edgeware																		1						***1***
Refined earthenware, uid; underglazed blue edgeware										2														***2***
Slipware, plain clear glaze	1																							***1***
Stoneware, bristol slip																					34			***34***
Whiteware, black underglaze stippled tr. Pr.																	1							***1***
Whiteware, brown underglaze stippled trans. Pr.															1									***1***
Grand Total	***1***	***4***	***27***	***8***	***97***	***1***	***11***	***2***	***1***	***4***	***4***	***3***	***3***	***1***	***1***	***5***	***1***	***1***	***3***	***7***	***34***	***2***	***2***	***223***

Attachment H
Revised Merrill Road Converter Station Stormwater Management Plan

STORMWATER MANAGEMENT SYSTEM

Prepared for the

CENTRAL MAINE POWER COMPANY
MERRILL ROAD CONVERTER SUBSTATION

Location

Merrill Road
Lewiston, ME 04240

Owner

Central Maine Power Company
83 Edison Drive
Augusta, Maine 04336

STATE OF MAINE
KENNETH R. VOYOCK
No. 11082
LICENSED
PROFESSIONAL ENGINEER
08-09-18
REV. D

Prepared by

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REVISED August 2018

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INTRODUCTION

Central Maine Power Company (CMP) is proposing to construct a new electrical substation as part of the New England Clean Energy Connect (NECEC) Project. The new station will be built on Merrill Road in the town of Lewiston in Androscoggin County, Maine and will be named the Merrill Road Converter Substation.

The proposed electrical substation is located within the Lower Androscoggin Watershed. Site runoff flows north to Stetson Brook, and then heads south into the Androscoggin River. The river then flows downstream to Merrymeeting Bay, then southeast to the Kennebec River and discharges into the Atlantic Ocean.

Merrill Road Converter Substation

The existing conditions and proposed grading plans for the proposed Merrill Road Converter Substation are included with this submission as sheets 1076-003-001 SH 001 General Site Plan Existing Conditions and 1076-003-001 SH 002 General Site Plan Proposed Conditions, respectively. The layout of proposed equipment within the yard is shown on SK-MER-GL Conceptual General Location Plan.

The proposed substation will sit on a 54.2 acre parcel of mostly wooded land that is a mix of somewhat steep terrain and low lying wetlands and includes an existing electric transmission line corridor. The western portion of the site is relatively flat with steeply ascending sloped terrain heading from west to east along the site. The existing transmission line corridor will be the site for a proposed access road to the station. The proposed station pad footprint will be approximately 7.10 acres and will consist of roof top, concrete foundations and pavement impervious and evenly graded 3/4” to 1.5” stone for the remainder of the station pad. The access road will consist of gravel. The station pad site will consist of a total developed area of 10.71 acres, of which, 7.15 acres will be impervious. The access road will include an additional total developed area of 2.71 acres, of which, 0.96 acres will be impervious. The site will be sloped to drain to the north, honoring the existing drainage patterns to the extent practicable. Site and road stormwater runoff will be treated with grassed underdrain soil filters, gravel wetlands and stormwater detention, while the stoned yard areas are considered to be treated in place.

Permitting Requirements

The Merrill Road Converter Substation is part of the larger NECEC Project currently being undertaken by CMP. The project is submitted as a whole to the Maine Department of Environmental Protection (MeDEP) for permitting purposes.

The project will require a Stormwater Management Permit and a Site Location of Development Permit because more than 3 acres will be stripped or graded and not revegetated within one year, and because the project will occupy more than 20 acres of land. The project will also be required to meet the Basic, General and Flooding Standards as described in MeDEP Chapter 500. The standards will be met using several erosion and sedimentation control and permanent stormwater management Best Management Practices (BMPs).

BASIC STANDARDS

The proposed project will disturb more than one acre of land, requiring compliance with the Basic Standards as described in MeDEP Chapter 500 Section 4B. In order to meet the Basic Standards, the proposed project will be required to address the following:

- Erosion and Sedimentation Control
- Inspection and Maintenance
- Housekeeping

Erosion and Sedimentation Control

Exhibit 14-1 of the Site Law application contains the manual "Central Maine Power Company Environmental Guidelines for Construction and Maintenance Activities on Transmission Line and Substation Projects". This manual addresses general erosion and sedimentation control measures used in many previous transmission and substation projects and has been reviewed and approved by MeDEP. The manual was developed to be consistent with the Maine Erosion and Sediment Control Practices Field Guide for Contractors, 2015, and MeDEP's Chapter 500.

Specific erosion and sedimentation control BMPs for the Merrill Road Converter Substation project are indicated on sheet 1076-003-003 SH 001 & SH 002 Erosion and Sediment Control Plan 1 and 2. Details of the measures proposed are shown on sheet 1076-003-005 SH 004 Site Details 4 and sheet 1076-003-005 SH 005 Site Details 5. Sheet 1076-003-005 SH 006 Site Details 6 presents a plan for implementing these measures at the site.

Inspection and Maintenance

CMP will ensure that a qualified design engineer inspects the construction site periodically to verify that the stormwater BMPs are constructed in accordance with the plans and specifications shown on the design drawings, and, as needed, during any period when construction activity affecting the stormwater management system occurs, until the site is permanently stabilized.

Inspection and Maintenance procedures for the proposed substation are described below. BMP Inspection & Maintenance Checklists and BMP Inspection & Maintenance Logs for each site have been enclosed in Appendix A. The BMP Inspection & Maintenance Checklists outline the required inspection frequency/requirements and maintenance/cleanout thresholds for each BMP measure. The enclosed BMP Inspection & Maintenance Logs include specific inspection guidelines for each BMP measure and are the documentation portion of this Plan.

Scheduled Inspections

Prior to completion of construction, CMP shall designate a CMP Supervisor and personnel or a contractor as the Site Inspector. Inspection requirements for each individual BMP measure are specified on the Inspection & Maintenance Checklists in Appendix A.

- QUARTERLY: Inspections of stormwater conveyance, control and treatment measures at each Site are to be performed on a quarterly basis throughout the year. Inspections during

winter months may encounter snow and ice cover, frozen ground, snow embankments, dormant vegetation, etc. In these cases, the inspector must use his/her best judgment interpreting these inspection and maintenance requirements, in order to meet both the stated objectives and the intent of the Plan. The inspection should prevent problems and plan for maintenance in advance of the spring thaw (removing snow piles if they obstruct drainage paths, repairing any damage from snow plows, frost heaves, etc.).

- FOLLOW-UP: Additional follow-up inspections will be performed, as needed, depending on the results of routine inspections and site conditions, under the direction of the CMP Supervisor.

As-Needed Maintenance

Maintenance is to be performed on an as-needed basis, in accordance with recommendations made by the Site Inspector. Routine maintenance will include the immediate repair of eroded channels or gullies; reseeding or sodding of bare ground; removal of trash, leaves and sediment; and control of vegetation. Maintenance issues associated with specific areas and stormwater facilities at each Site are identified on the Inspection & Maintenance Checklists in Appendix A. Disposal of all sediment, debris, and waste shall be in accordance with Maine Solid Waste Management Rules, Chapter 400.

5-Year Re-Certification

CMP will certify the following to the Maine DEP within three months of the expiration of each five-year interval from the date of issuance of the permit:

- All areas of the project site have been inspected for areas of erosion, and appropriate steps have been taken to permanently stabilize these areas.

- All aspects of the stormwater control system have been inspected for damage, wear, and malfunction, and appropriate steps have been taken to repair or replace the facilities.

- The erosion and stormwater maintenance plan for the site is being implemented as written, or modifications of the plan have been submitted to and approved by the department, and the maintenance log is being maintained.

Housekeeping Plan

Housekeeping entails the control or elimination of pollution not specifically related to soil erosion such as spill prevention, dust control, litter removal and groundwater dewatering. Housekeeping is addressed within this narrative and on sheet 1076-003-005 SH 005 Site Details 6 for the Merrill Road Converter Substation.

GENERAL STANDARDS

The proposed project will result in more than one acre of new impervious area, requiring compliance with the General Standards as described in MeDEP Chapter 500 Section 4C. For the purposes of determining the level of permitting and treatment required, the substation yard is treated as impervious area.

Stormwater Treatment BMPs

At the Merrill Road Converter Substation, stormwater treatment will be accomplished using three separate treatment measures.

The approach to the station within the existing transmission line right of way will be a gravel access road and will be drained using open conveyance channels. Runoff from the road, up to within 50 feet of the substation, will be treated to meet the requirements under ***Section 4.C (5) (C) - Exceptions from the general standards for Linear portion of a project***. The majority of the gravel access road, vegetated developed areas and the drainage ditch running east and west on the north side of the road, will be treated using gravel wetlands with grassed swale and forebay pre-treatment. Gravel access roads and vegetated developed areas sited on wetland areas meet the requirements of ***Section 4.C(5) (E) – Exemption from the general standards for Wetland Road Crossing*** – portions of the road crossing the wetland will include permeable base and are not required to meet the general standards.

The substation yard will be treated in-place via filtration through an 18”-thick layer of gravel below the stone surface. This ***Crushed Stone Substation Surface*** is approved by MeDEP as an adequate treatment for the yard surface for compliance with the General Standards and water quality treatment requirement. Additional paved and rooftop surfaces and additional developed areas around the yard will also be treated in the ***Crushed Stone Substation Surface***. Developed areas outside the substation pad will discharge to open drainage channels around the station pad which will flow to a single ***Underdrained Soil Filter*** where additional detention will be provided. The soil filter/detention basin will discharge through a level spreader to the north of the station. Runoff from the station pad does not require detention and will bypass the soil filter and detention by sheet flowing to the proposed catch basin outside of the soil filter area to the north of the pad. The catch basin will also discharge through a level spreader to the north of the substation. The stormwater treatment measures, and the areas that are treated by each, are depicted on sheet 1076-003-002 SH 004 Post-Development Stormwater Plan.

Crushed Stone Substation Surface

MeDEP has provided yard construction requirements that allow the General Standards requirements to be met for the substation pad, and no further water quality treatment of stormwater from the pad itself is required. The MeDEP letter describing the construction requirements is included with this submission as Appendix B.

The substation surface for each yard is comprised of crushed stone. The crushed stone is supported by 18” of gravel base which acts to filter stormwater runoff as it passes through and into the soil subgrade below. The typical crushed stone surface section is shown in the Substation Yard Sections on sheet 1076-003-005 SH 001 Site Details 1 for the Merrill Road Converter Substation.

In each yard, an additional 2” of crushed stone above the 4” requirement will be provided, creating a 6” layer. The additional storage in the crushed stone layer down slope of the buildings, paved areas and various concrete foundations throughout the yard will allow the crushed stone surface to treat each of these non-soil areas. Calculations for treatment of runoff from the pad have been provided on sheet 1076-003-002 SH 004 Post-Development Stormwater Plan for the Merrill Road Converter Substation. Groundwater dewatering has been addressed with a system of perforated piping, which runs below the frost line in the excavated region of the station pad and around the foundation of the equipment enclosure. The groundwater dewatering system is designed to prevent the migration of groundwater into the 6” station crushed stone and 18” gravel base.

Grassed Underdrain Soil Filter

Runoff from the vegetated developed areas as well as partial sections of the gravel access road will be treated in Grassed Underdrain Soil Filter. Pretreatment will be accomplished by flowing runoff through a vegetated swale and into pre-treatment forebays before entering the filter area.

The Grassed Underdrain Soil Filter is comprised of an 18”-thick layer of a silty sand and organic material mix. The underdrain system consists of 4” perforated pipe within a 12”-thick layer of underdrain material. A detail of the underdrained soil filter is shown on sheet 1076-003-002 SH 002 Stormwater Treatment Plan. Included with soil filters are orifices which discharge the treatment volume from a single outlet with a release time between 24 and 48 hours. Underdrained soil filter sizing and orifice calculations are shown in Appendix C.

Gravel Wetlands

Runoff from the vegetated developed areas as well as partial sections of the gravel access road will be treated in Gravel Wetlands. Pretreatment will be accomplished by flowing runoff through a vegetated swale and into pre-treatment forebays before entering the gravel wetland treatment cell area.

The Gravel Wetland is comprised of an 8” thick layer of a wetland soil mix, 6” transitional gravel layer and 24” crushed stone layer. The underdrain system consists of 6” perpendicular perforated pipe within the crushed stone layer of the gravel wetland. A detail of the gravel wetland is shown on sheet 1076-003-002 SH 005 Stormwater Treatment Plan. Included with gravel wetlands are orifices which discharge the treatment volume from a single outlet with a release time between 24 and 48 hours. Gravel wetland sizing and orifice calculations are shown in Appendix C.

The hydraulic modeling report for the entire project site, including station and access road, is included with this submission in Appendix C. The report was developed based on USDA TR-55 hydraulic analysis methodology. The report illustrates how the site drainage and stormwater management infrastructure will function during the 2 -, 10 - and 25 - year storms. The report also contains the hydrologic calculations for the project. The modeling results were used to confirm that adequate water quality volume (WQV) will be provided below the primary outlet in both the Grassed Underdrain Soil Filter and the Gravel Wetlands.

Permeable Road Base

The gravel access road is proposed through existing wetlands. Where it is possible, the road will be built on a rock sandwich road base which will allow water to freely pass beneath the road to be

discharged downgradient of the road. The rock sandwich will consist of a 12” think (minimum) layer of 3” – 6” diameter stone sandwiched between layers of permeable filter fabric. The roads with rock sandwich base will be used to cross the existing low-laying wetlands to maintain sheet flow through the wetland areas. The rock sandwich will be constructed to adhere to CH 8.4 of the *BMP Technical Design Manual* (Permeable Base Material).

Per Chapter 500 (Section 4.C(5)(e), Page 12); wetland road crossings that provide a passage for flows are exempt from the requirement to meet the General Standards. Approximately 440 linear feet of access road is exempt from the requirement to meet the General Standards.

Stormwater Treatment Calculations

In order to meet the General Standards, the proposed project must use MeDEP approved treatment measures to treat no less than 95% of the proposed impervious area and 80% of the proposed developed area at the substation site. At the Merrill Road Converter Substation, 99.33% of impervious area is treated, and 83.75% of the developed area is treated. For the linear portion of the project treatment has been reduced to not less than 75% of impervious access road and no less than 50% of the developed area surrounding the road to within 50’ of the substation. At the linear portion of the Merrill Road Converter Substation, 78.70% of impervious area is treated, and 54.90% of developed area is treated. Stormwater treatment calculations for the Merrill Road Converter Substation are shown on sheet 1076-003-002 SH 004 Post-Development Stormwater Plan.

FLOODING STANDARD

The project is required to meet the MeDEP Chapter 500 Flooding Standard; an increase of over 3 acres of impervious area requires a decrease in peak stormwater runoff as a result of the proposed development. Additionally, management of stormwater to prevent site and road inundation during a 25-year storm event is provided. The site is situated on HSG Type A, Type C and Type D soils. Pre-developed and post-developed Curve Numbers for the project can be found in Appendix C and on the project drainage area maps (Sheets 1076-003-002 SH 003 and SH 004). The MeDEP letter describing the construction requirements that allow the General Standards requirements to be met for the pad within the ***Crushed Stone Substation Surface*** also prescribes Curve Numbers for use when calculating runoff from the stone section. Pre-Developed Curve Numbers for the project site range from 72 to 77. MeDEP prescribes developed Curve Numbers for the stone station surface of 55 and 60 over HSG Type C and Type D soils respectively. As existing drainage patterns have been maintained to the extent practicable, the sizes and times of concentration have not been significantly altered with this project. Due to the decreased Curve Numbers across the stone station pad (CN decreased to 55 and 60 for these areas), post-development peak flows were calculated to be less than or relatively equal to the pre-development peak flows from the substation pad without the need for on-site stormwater attenuation. In order to maintain a post-development peak runoff rate at or below the pre-development peak runoff rate for developed landscaped areas outside the pad however, some level of stormwater detention is required. Additional stormwater storage is provided in the grassed underdrain soil filter and gravel wetlands. A maximum of 18” of flooding storage depth above the required water quality volume elevations in the grassed underdrain soil filter and gravel wetlands is proposed. The proposed on-site stormwater detention will provide sufficient capacity to meet the MeDEP Flooding Standard Requirements in Chapter 500 at each analysis point, located at the property line. At each analysis point, stormwater detention or the ***Crushed Stone Substation Surface*** provides enough treatment to decrease post-development 2 -, 10 – and 25 – year design storm peak

flows to be lower than pre-development peak flows. See the table below for the pre- and post-development peak flows at each analysis point.

Pre-Developed Peak Flow Rates

Analysis Point	2-Year Flow Rate (CFS)	10-Year Flow Rate (CFS)	25-Year Flow Rate (CFS)
A	11.75	26.46	36.58
B	5.09	11.09	15.17
C	5.88	14.62	20.83
D	0.74	1.55	2.09
E	3.31	7.00	9.47

Post-Developed Peak Flow Rates

Analysis Point	2-Year Flow Rate (CFS)	10-Year Flow Rate (CFS)	25-Year Flow Rate (CFS)	Peak 2-Year Flow Rate at Outfall (If Subsheds Present)	Peak 10-Year Flow Rate at Outfall (If Subsheds Present)	Peak 25-Year Flow Rate at Outfall (If Subsheds Present)
A1	5.33	12.43	17.35	11.73	23.66	31.35
A2	7.96	15.32	20.01			
A3	2.99	7.15	10.03			
B	3.66	8.01	10.95	N/A		
C1	0.81	1.70	2.30	5.81	14.08	19.96
C2	0.74	1.40	1.82			
C3	5.79	14.12	19.95			
D	0.68	1.43	1.93	N/A		
E	2.85	6.01	8.13	N/A		

CONCLUSION

The NECEC Project will require a Stormwater Management Permit, and will be required to meet the Basic and General Standards and the Flooding Standard as described in MeDEP Chapter 500. The Basic Standards shall be met at the Merrill Road Converter Substation through Erosion and Sedimentation Control, Inspection and Maintenance, and Housekeeping, as described in this narrative and the attached checklists, logs and plans. The General Standards shall be met at the Merrill Road Converter Substation by using Grassed Underdrain Soil Filters, Gravel Wetlands and the MeDEP approved crushed stone substation yard section, as illustrated on the attached stormwater treatment plans. The Flooding Standard shall be met using storage above the water quality volume within the proposed Grassed Underdrain Soil Filter and Gravel Wetlands.

APPENDIX A – BMP INSPECTION & MAINTENANCE CHECKLISTS AND LOGS

APPENDIX A-1: BMP INSPECTION & MAINTENANCE CHECKLIST

Central Maine Power Company – Merrill Road Converter Substation
Lewiston, Maine

BMP MEASURE	INSPECTION REQUIREMENTS*	MAINTENANCE/CLEANOUT THRESHOLDS
Vegetated Swales	Inspect swale for accumulated sediment, debris and other obstructions. Inspect swales for evidence of erosion, gullies, or slumping of the side slopes. Inspect swales for bare ground/sparse vegetation. Monitor vegetative growth.	Clean as needed and dispose of properly. Repair and re-seed as necessary. Consult engineer if problem persists. Areas of persistent erosion may need to be armored. Re-seed as necessary. Soil may need to be scarified if compacted soils are present. Mow vegetation in swales to roughly six inches at least once and no more than two times a year. To be performed between June 15th and August 30th.
Check Dams	Inspect check dams to ensure the center is lower than the edges. Inspect check dams for stone displacement, erosion, concentrated flow or channelization. Inspect check dams for accumulated sediment, debris or other obstructions.	Repair as necessary. Repair any damaged areas. Consult engineer if problem persists. Clean as needed and dispose of properly. Sediment must be removed before it exceeds one half the original height of the check dam.
Revegetated Areas	Inspect revegetated areas for evidence of erosion, concentrated flow, or channelization. Inspect revegetated areas for bare ground/sparse vegetation.	Repair and re-seed as necessary. Consult engineer if problem persists. Areas of concentrated flow where rills and gullies are present may need to be armored Re-seed as necessary. Soil may need to be scarified if compacted soils are present.
Gravel Access Roads	Inspect access road shoulder for accumulated sand/sediment. Inspect grade on access road and shoulder to ensure stormwater is not impeded by accumulation of materials or false ditches. Inspect access road to ensure that there is no rutting, wash-boarding, frost heaves, potholes, or ponding occurring.	Remove sand/sediment as necessary. Repair grade as necessary. Repair by replacing gravel and re-grading as necessary.

*Inspections are to be performed on a monthly basis with additional follow-up inspections and maintenance as needed.

APPENDIX A-1: BMP INSPECTION & MAINTENANCE CHECKLIST

Central Maine Power Company – Merrill Road Substation
Lewiston, Maine

BMP MEASURE	INSPECTION REQUIREMENTS*	MAINTENANCE/CLEANOUT THRESHOLDS
Grassed Underdrained Soil Filter	Inspect entering swale, basin and outlet structure for accumulated sediment, debris and other obstructions.	Clean as needed and dispose of properly.
	Inspect filter for evidence of erosion, gullies, or slumping of the side slopes.	Repair and re-seed as necessary. Consult engineer if problem persists. Areas of persistent erosion may need to be armored.
	Inspect filter for bare ground/sparse vegetation.	Re-seed as necessary. Soil may need to be scarified if filter media becomes compacted.
	Monitor vegetative growth.	Mow vegetation in impoundment to roughly six inches at least once and no more than two times a year. To be performed between June 15th and August 30th.
Gravel Wetlands	Inspect entering swale, basin and outlet structure for accumulated sediment, debris and other obstructions.	Clean as needed and dispose of properly.
	Inspect filter for evidence of erosion, gullies, or slumping of the side slopes.	Repair and re-seed as necessary. Consult engineer if problem persists. Areas of persistent erosion may need to be armored.
	Inspect wetland for bare ground/sparse vegetation.	Re-seed as necessary. Soil may need to be scarified if filter media becomes compacted.
	Monitor vegetative growth.	Remove decaying vegetation, litter and debris.
	Monitor water color and check for excessive standing water.	Check and clean risers.
Crushed Stone Substation Surface	Inspect crushed stone areas for accumulated sand/sediment.	Remove sand/sediment as necessary.
	Inspect substation surface to ensure that there is no ponding occurring.	Repair by re-grading as necessary.

*Inspections are to be performed on a monthly basis with additional follow-up inspections and maintenance as needed.

APPENDIX A-2: BMP INSPECTION & MAINTENANCE LOG
Central Maine Power Company – Merrill Road Converter Substation
Lewiston, Maine

BMP MEASURE (Refer to Appendix B-1 & the O&M Plan)	**Inspector(s):**			**Inspection Type:** Monthly [ ] Follow-up [ ]	**Photos Taken:** Yes [ ] No [ ]	**Date:**
VEGETATED SWALES	**YES***	**NO**	**INITIALS**	**OBSERVATIONS**	**CORRECTIVE ACTIONS/REPAIR ACTIVITY**	**DATE COMPLETED & BY WHOM** (Refer to any contractor service logs)
Swale along Gravel Access Road						
1. Is there an accumulation of sediment, debris and/or other obstructions?						
2. Is there any evidence of erosion, gullies or slumping of the side slopes?						
3. Are there areas of bare ground or sparse vegetation?						
4. Has vegetation been mowed to a length roughly 6" this year?						
Swale along Northwesterly side of yard						
1. Is there an accumulation of sediment, debris and/or other obstructions?						
2. Is there any evidence of erosion, gullies or slumping of the side slopes?						
3. Are there areas of bare ground or sparse vegetation?						
4. Has vegetation been mowed to a length roughly 6" this year?						
CHECK DAMS						
Check Dams in Swale along Gravel Access Road						
1. Are the edges of the check dams higher than the center?						
2. Is there any evidence of stone displacement, erosion, concentrated flow or channelization?						
3. Is there an accumulation of sediment, debris and/or other obstructions?						

APPENDIX A-2: BMP INSPECTION & MAINTENANCE LOG
Central Maine Power Company – Merrill Road Converter Substation
Lewiston, Maine

BMP MEASURE (Refer to Appendix B-1 & the O&M Plan)	**Inspector(s):**			**Inspection Type:** Monthly [ ] Follow-up [ ]	**Photos Taken:** Yes [ ] No [ ]	**Date:**
CHECK DAMS (cont.)	**YES***	**NO**	**INITIALS**	**OBSERVATIONS**	**CORRECTIVE ACTIONS/REPAIR ACTIVITY**	**DATE COMPLETED & BY WHOM** (Refer to any contractor service logs)
Check Dams in Swale along North, South and East sides of the yard						
1. Are the edges of the check dams higher than the center?						
2. Is there any evidence of stone displacement, erosion, concentrated flow or channelization?						
3. Is there an accumulation of sediment, debris and/or other obstructions?						
REVEGETATED AREAS						
Revegetated Areas along Access Road						
1. Is there any evidence of erosion, concentrated flow or channelization?						
2. Are there areas of bare ground or sparse vegetation?						
Revegetated Areas on all sides of the station						
1. Is there any evidence of erosion, concentrated flow or channelization?						
2. Are there areas of bare ground or sparse vegetation?						
GRAVEL ACCESS ROADS						
Access Road to Entrance						
1. Is there an accumulation of sand and/or sediment in the road shoulder?						
2. Does the grade across the road section allow stormwater to drain off the roadway?						
3. Are there any signs of rutting, wash-boarding, frost heaves, potholes or ponding?						

APPENDIX A-2: BMP INSPECTION & MAINTENANCE LOG
Central Maine Power Company – Merrill Road Converter Substation
Lewiston, Maine

BMP MEASURE (Refer to Appendix B-1 & the O&M Plan)	**Inspector(s):**			**Inspection Type:** Monthly [ ] Follow-up [ ]	**Photos Taken:** Yes [ ] No [ ]	**Date:**
GRASSED UNDERDRAINED SOIL FILTER	**YES***	**NO**	**INITIALS**	**OBSERVATIONS**	**CORRECTIVE ACTIONS/REPAIR ACTIVITY**	**DATE COMPLETED & BY WHOM** (Refer to any contractor service logs)
West side of station yard						
1. Is there an accumulation of sand and/or sediment in the swale, forebay or basin?						
2. Is there any evidence of erosion, gullies or slumping of the side slopes?						
3. Are there areas of bare ground or sparse vegetation?						
GRAVEL WETLANDS						
Along northern side of access road						
1. Is there an accumulation of sand and/or sediment in the swale, forebay or wetland?						
2. Is there any evidence of erosion, gullies or slumping of the side slopes?						
3. Are there areas of bare ground or sparse vegetation?						
4. Is there discolored or standing water?						
CRUSHED STONE SUBSTATION SURFACE						
Fenced-in area of the Substation and aprons						
1. Is there an accumulation of sand/sediment in crushed stone areas?						

APPENDIX B – LETTER FROM MEDEP TO CMP

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JUN 11 2008

JOHN ELIAS BALDACCI
GOVERNOR

DAVID P. LITTELL
COMMISSIONER

June 5, 2008

Roy Koster
Central Maine Power
83 Edison Drive
Augusta, ME 04336

RE: DEP Stormwater Management Regulations and how they apply to Central Maine Power Company Substations and Switchyards

Dear Mr. Koster:

I am writing to provide clarification on how substations and switchyards designed by Central Maine Power Company (CMP) can meet DEP Stormwater Management rules, Chapter 500 and the Site Location of Development Law. This letter supersedes a previous DEP letter on this subject dated February 29, 2008 and is a follow-up to further discussions between CMP and DEP staff.

Based on the report prepared by John Simon of Balance Engineering, dated March 8, 2008, regarding the stormwater runoff coefficient at CMP substations and switchyards, the required gravel fill and surface nature of these structures performs differently than most common construction practices and a modeling variance will be allowed for CMP substations and switchyards as follows:

When Flooding Standard requirements apply to a CMP project, modeling must demonstrate that peak runoff from the substation structure does not exceed predevelopment flow rates at the property line. Because of the permeability plus storage within the gravel fill and roughness of the crushed rock surface, the curve number (CN) specified in John Simon's report (March 2008) may be used for the substation area. As reported, a CN of 55 may be used for substations and switchyards that are built on areas that are mapped as HSG "A", "B", and "C", and a CN of 60 must be used when the area is mapped as HSG "D" for the HydroCAD model. However, all impervious surfaces will have to be added for an averaged curve number.

The General Standards of Chapter 500 (water quality) will be considered as met by the CMP substation/switchyard design specifications as long as the structure includes the typical CMP substation profile overlaying the natural ground surface. The soil layers within the CMP substation profile consist of 4 inches of crushed stone, 50:50 mix of 1.5"

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0017
(207) 287-7688 FAX: (207) 287-7826
RAY BLDG., HOSPITAL ST.

BANGOR
106 HOGAN ROAD
BANGOR, MAINE 04401
(207) 941-4570 FAX: (207) 941-4584

PORTLAND
312 CANCO ROAD
PORTLAND, MAINE 04103
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE
1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, MAINE 04769-2094
(207) 764-0477 FAX: (207) 760-3143

web site: www.maine.gov/dep

printed on recycled paper

and 0.75" diameter stone overlaying 18 inches or more of gravel fill, MDOT 703.06 Type A. Saturation within the granular fill will detain and provide treatment for the one-inch design standard under that requirement. Groundwater can never be any higher than 18 inches below the top of the gravel fill. Other treatment considerations will need to be provided for all impervious structures anticipated on the substation and switchyard and for the roadway.

The Basic Standards of Chapter 500 (erosion and sedimentation control, inspection and maintenance, and housekeeping) will be met by the standard CMP substation and switchyard design specification and erosion control/construction plan as developed by CMP for each Stormwater Management application. These are minimum erosion control measures that will need to be maintained until the site is fully stabilized. However, based on site and weather conditions during construction, additional erosion control measures may be needed.

While there are several ways to approach the design standards discussed above, these must be considered the minimum requirements in meeting the Stormwater Management and Site Location of Development Laws. However, in some situations where the local hydrology and site conditions warrant more resource protection, additional BMPs may be required. Also, the access drive and associated roadside swales are included in the disturbed area for permitting purposes and the treatment of these areas must be addressed separately from the substation or switchyard and be treated with standard practices. The natural hydrology of these areas will need to be maintained and will have to meet all applicable standards as established in Chapter 500 (page 11, Section 5).

I hope this addresses your request and will make the DEP permitting process more straight forward. If you have further questions, please contact Marianne Hubert at (207) 287-4140.

Sincerely,

Don Witherill, Director
Watershed Management Division
Bureau of Land and Water Quality

Cc: Marianne Hubert, PE, DEP program manager
Andy Fisk, DEP L&W Bureau Director
Dan Butler, PE, TRC
Gerry Mirabile, CMP

APPENDIX C – STORMWATER CALCULATIONS

Calculations for Grassed Underdrain Soil Filters						
*Based upon MeDEP Stormwater BMPs Chapter 7.1 - Grassed Underdrain Soil Filters						
Name of Filter	Impervious Catchment (AC)	Pervious Developed Catchment (AC)	Surface Area Required (SF)	Designed Surface Area of Filter (SF)	WQv Required (CF)	[1]WQv Provided (CF)
Filter-1	0.17	1.87	1999.404	2178	3332.34	3542

[1]Filter-1 WQv depth = 1.10'

Calculations for Grassed Underdrain Soil Filters							
Orifice Sizing, Underdrain Detention							
Name of Filter	WQv Required (CF)	Detention Time (HR)	Flow Rate (CFS)	Average Head (FT)	Orifice Coefficient	Orifice Area (SF)	Orifice Diameter (IN)[3]
Filter-1	3332.34	36	0.0257125	1.92	0.614	0.003766018	0.830954986

[3]Constructed Filter-1 Orifice Diameter = 7/8" to allow detention time between 24 - 48 hrs

Calculations for Gravel Wetlands								
*Based upon MeDEP Stormwater BMPs Chapter 7.4 - Gravel Wetlands								
Name of Gravel Wetland	Impervious Catchment (AC)	Pervious Developed Catchment (AC)	Min. Surface Area (SF)	Designed Surface Area of Filter (SF)	WQv Required (CF)	[1]Treatment Cell Volume Required (CF)	Treatment Cell Volume Provided (CF)	[2]WQv Provided (CF)
Wetland-C1	0.19	0.42	779.724	2183	1299.54	1169.586	1424	1582.206
Wetland-C2	0.4	0.31	1141.272	2828	1902.12	1711.908	1810	2011.091

[1]Treatment Cell Volume Required = 45% of WQv Required Per Wetland Cell (2 Cells Per BMP)

[2]WetlandC-1 WQv Depth = 0.57', WetlandC-2 WQv Depth = 0.57'

Calculations for Gravel Wetlands							
Orifice Sizing, Underdrain Detention							
Name of Filter	WQv Required (CF)	Detention Time (HR)	Flow Rate (CFS)	Average Head (FT)	Orifice Coefficient	Orifice Area (SF)	Orifice Diameter (IN)[3]
Wetland-C1	1299.54	36	0.010027315	0.62	0.614	0.002584506	0.688374946
Wetland-C2	1902.12	36	0.014676852	0.62	0.614	0.003782908	0.832816241

[3]Constructed WetlandC-1 Orifice Diameter = 7/8", WetlandC-2 Orifice Diameter = 7/8" to allow detention time between 24 - 48 hrs

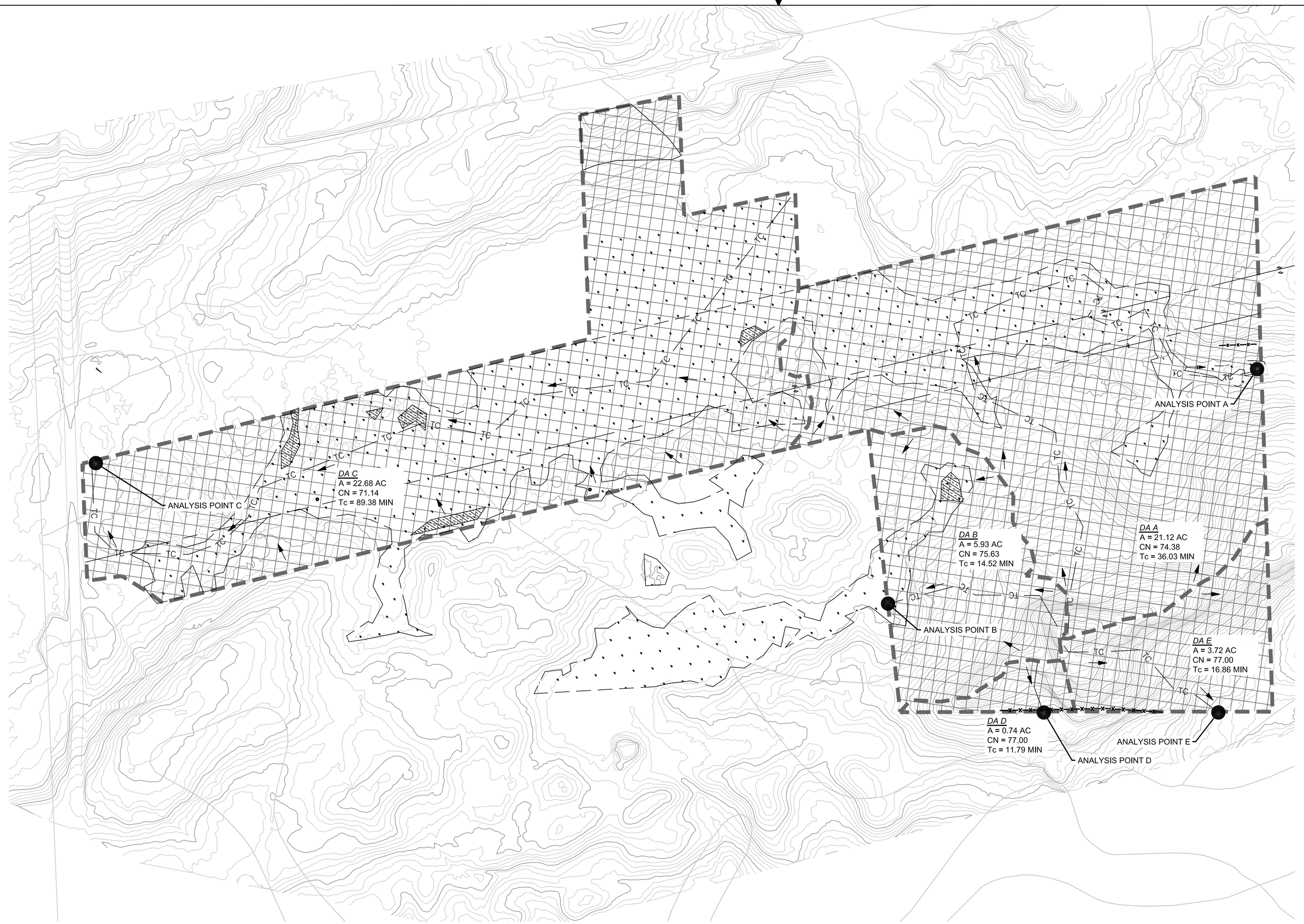
Calculations for Level Spreaders			
*Based Upon MeDEP Storm water BMPs Chapter 8.3 - Level Spreaders			
Level Spreader #	Peak 10-Year Flow Rate	[1] Calculated Lip Length (LF)	[2] Lip Length Used (LF)
1	0.36	1.44	10
2	[3] 2.00	8.00	10
3	1.84	7.36	10
4	2.19	8.76	10
[4] Pipe Outlet Protection from CB-1	19.04	76.16	N/A

[1] Lip Length Based Upon 0.25 LF / CFS

[2] Based Upon Minimum Lip Length of 10 LF

[3] 2 cfs (Approx ¼ of DA B)

[4] Plunge pool designed in accordance with MeDEP Erosion Control BMPs H.2 Pipe Outlet Protection



LEGEND

- 750 — EX. MAJOR CONTOUR
- 744 — EX. MINOR CONTOUR
- TC — EX. TIME OF CONCENTRATION
- HrD (D Soils) / HrC (C Soils) — EX. SOIL BOUNDARY
- EX. OVERHEAD UTILITY
- EX. FLOW DIRECTION ARROW
- EX. DRAINAGE BOUNDARY
- EX. PROPERTY BOUNDARY
- EX. WETLAND
- EX. VERNAL POOL
- ANALYSIS POINT
- EX. WOODS

EXISTING CONDITIONS HYDRAULIC SUMMARY			
DRAINAGE AREA	2 - YEAR FLOW RATE (CFS)	10 - YEAR FLOW RATE (CFS)	25 - YEAR FLOW RATE (CFS)
A	11.75	26.46	36.58
B	5.09	11.09	15.17
C	5.88	14.62	20.83
D	0.74	1.55	2.09
E	3.31	7.00	9.47

0 300 600 Feet

ISSUED FOR PERMITTING
NOT FOR CONSTRUCTION
08/09/18

REV.	DESCRIPTION	DATE	BY	CK	APP
B	ACCESS ROAD ALIGNMENT REVISIONS	07/12/18	TJG	KRV	
C	STORMWATER MANAGEMENT REVISIONS	08/09/18	TJG	KRV	

OWNER ENGINEER:

APPROVAL STAMP:

PE Stamp

DRAWING PREPARED BY:

ACCEPTED BY OE:

IUSA ENGINEERING
CONFIDENTIAL, PROPRIETARY and TRADE SECRET INFORMATION
Property of Iberdrola, USA

CMP IBERDROLA - USA

REV.	DATE	BY	DESCRIPTION	APP.

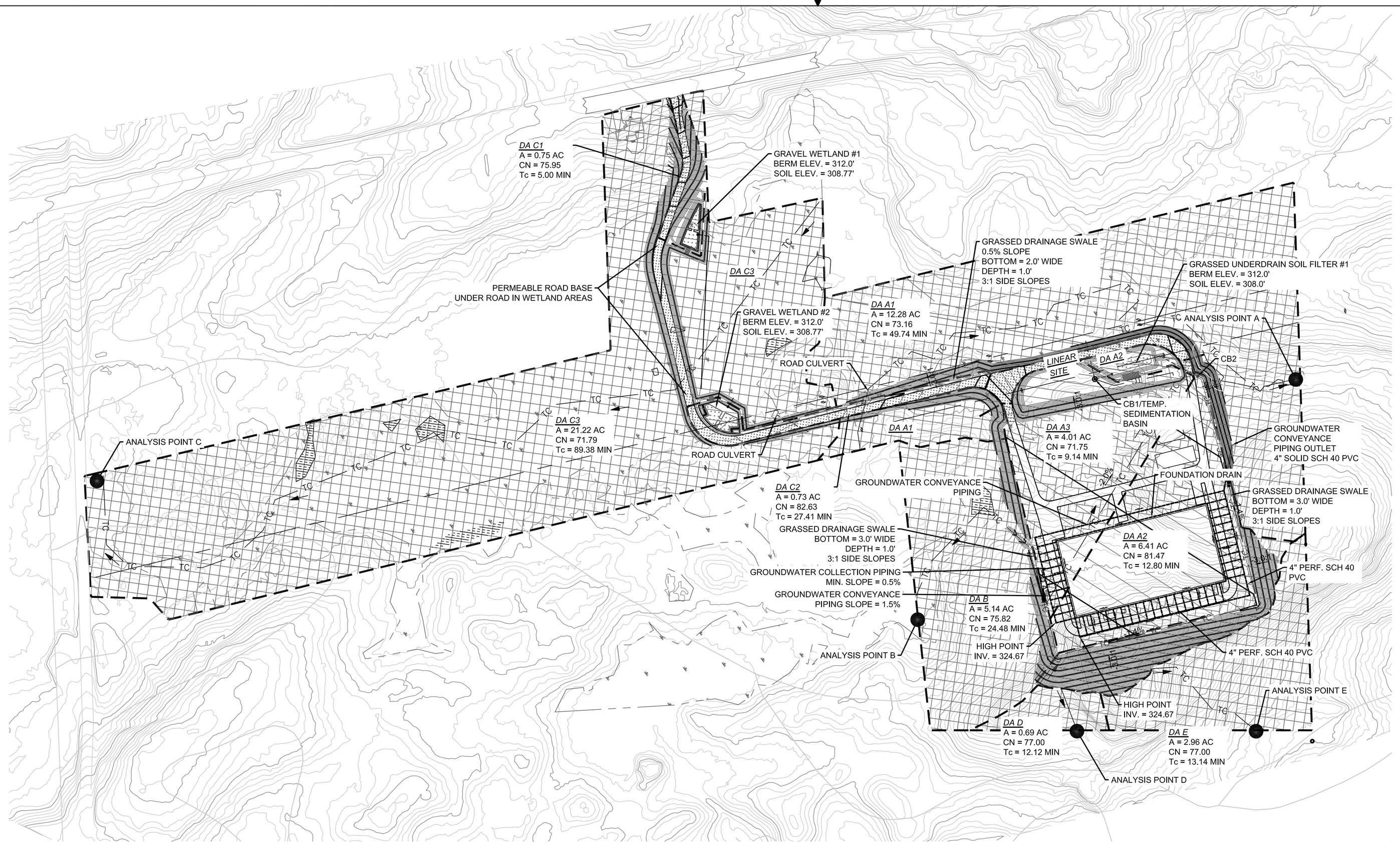
PRE-DEVELOPMENT STORMWATER PLAN

SH 3 OF 5

MERRILL ROAD/1076 LEWISTON, ME

DR.	TJG	SCALE: 1" = 150'	FILE: 1076-003-002SH003.DWG
CK.	KRV	NO.	REV.
APP.		1076-003-002	C
DATE:			

ANSI D CADD Drawing, DO NOT REVISE MANUALLY.



LEGEND

- 750 — EX. MAJOR CONTOUR
- 744 — EX. MINOR CONTOUR
- HrD (D Soils) HrC (C Soils) — EX. SOIL BOUNDARY
- EX. OVERHEAD UTILITY
- EX. PROPERTY BOUNDARY
- EX. WETLAND
- EX. VERNAL POOL
- 750 — PROP. MAJOR CONTOUR
- 744 — PROP. MINOR CONTOUR
- TC — PROP. TIME OF CONCENTRATION
- PROP. FLOW DIRECTION ARROW
- PROP. DRAINAGE BOUNDARY
- ANALYSIS POINT
- PROP. CULVERT/PIPING
- PROP. SITE/LINEAR DEMARCATION
- EX. WOODS
- PROP. IMPERVIOUS PAVING/ROOF
- PROP. DEVELOPED GRASS
- PROP. STONE PAD
- PROP. UNDERDRAIN SOIL FILTER/GRAVEL WETLAND
- PROP. GRAVEL ROAD

PROPOSED CONDITIONS HYDRAULIC SUMMARY

DRAINAGE AREA	2 - YEAR FLOW RATE (CFS)	10 - YEAR FLOW RATE (CFS)	25 - YEAR FLOW RATE (CFS)	PEAK 2 - YEAR FLOW RATE AT ANALYSIS POINT (IF SUBSHEDS PRESENT)	PEAK 10 - YEAR FLOW RATE AT ANALYSIS POINT (IF SUBSHEDS PRESENT)	PEAK 25 - YEAR FLOW RATE AT ANALYSIS POINT (IF SUBSHEDS PRESENT)
A1	5.33	12.43	17.35	11.73	23.66	31.35
A2	7.96	15.32	20.01			
A3	2.99	7.15	10.03			
B	3.66	8.01	10.95	N/A	N/A	N/A
C1	0.81	1.70	2.30	5.81	14.08	19.96
C2	0.74	1.40	1.82			
C3	5.79	14.12	19.95			
D	0.68	1.43	1.93	N/A	N/A	N/A
E	2.85	6.01	8.13	N/A	N/A	N/A

STORMWATER TREATMENT REQUIREMENTS (% OF TREATED AREA)

LAND TYPE	STATION	STATION % TREATED	LINEAR	LINEAR % TREATED
IMPERVIOUS TOTAL[1]	7.15 AC	99.33%	0.96 AC	78.70%
IMPERVIOUS TREATED	7.10 AC		0.76 AC	
DEVELOPED TOTAL[2,3]	10.71 AC	83.75%	2.71 AC	54.90%
DEVELOPED TREATED	8.97 AC		1.49 AC	

[1]IMPERVIOUS TOTAL DOES NOT INCLUDE 0.20 ACRES OF EXEMPTED WETLAND ROAD CROSSING AREA WITH PERMEABLE ROAD BASE

[2]DEVELOPED TOTAL DOES NOT INCLUDE 0.47 ACRES OF EXEMPTED WETLAND ROAD CROSSING AREA WITH PERMEABLE ROAD BASE

[3]DEVELOPED AREA INCLUDES BOTH IMPERVIOUS AND LANDSCAPED SURFACES

0 300 600 Feet

ISSUED FOR PERMITTING
NOT FOR CONSTRUCTION
08/09/18

REV.	DESCRIPTION	DATE	BY	CK	APP
B	MEDEP PERMIT SET COMMENT REVISIONS	05/29/18	TJG	KRV	
C	ACCESS ROAD ALIGNMENT REVISIONS	07/12/18	TJG	KRV	
D	STORMWATER MANAGEMENT REVISIONS	08/09/18	TJG	KRV	

OWNER ENGINEER:
APPROVAL STAMP:
PE Stamp
DRAWING PREPARED BY:
ACCEPTED BY OE:

IUSA ENGINEERING
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Property of Iberdrola, USA

CMP IBERDROLA - USA

REV.	DATE	BY	DESCRIPTION	APP.

POST-DEVELOPMENT STORMWATER PLAN

SH 4 OF 5

MERRILL ROAD/1076 LEWISTON, ME

DR. TJG | SCALE: 1" = 150' | FILE: 1076-003-002SH004.DWG
CK. KRV | NO. 1076-003-002 | REV. D
APP.
DATE:

CADD Drawing, DO NOT REVISE MANUALLY.
ANSI D

Project Description

File Name ..... Existing Conditions.SPF

Project Options

Flow Units ..... CFS
Elevation Type ..... Elevation
Hydrology Method ..... SCS TR-55
Time of Concentration (TOC) Method ..... SCS TR-55
Link Routing Method ..... Kinematic Wave
Enable Overflow Ponding at Nodes ..... YES
Skip Steady State Analysis Time Periods ..... NO

Analysis Options

Start Analysis On ..... Jul 13, 2017 00:00:00
End Analysis On ..... Jul 14, 2017 00:00:00
Start Reporting On ..... Jul 13, 2017 00:00:00
Antecedent Dry Days ..... 0 days
Runoff (Dry Weather) Time Step ..... 0 01:00:00 days hh:mm:ss
Runoff (Wet Weather) Time Step ..... 0 00:05:00 days hh:mm:ss
Reporting Time Step ..... 0 00:05:00 days hh:mm:ss
Routing Time Step ..... 30 seconds

Number of Elements

	Qty
Rain Gages	1
Subbasins	5
Nodes	5
Junctions	0
Outfalls	5
Flow Diversions	0
Inlets	0
Storage Nodes	0
Links	0
Channels	0
Pipes	0
Pumps	0
Orifices	0
Weirs	0
Outlets	0
Pollutants	0
Land Uses	0

Rainfall Details

SN	Rain Gage ID	Data Source	Data Source ID	Rainfall Type	Rain Units	State	County	Return Period (years)	Rainfall Depth (inches)	Rainfall Distribution
1	Rain Gage-01	Time Series	TS-02	Cumulative	inches	Maine	Androscoggin	2	3.04	SCS Type III 24-hr

Subbasin Summary

Subbasin ID	Area (ac)	Weighted Curve Number	Total Rainfall (in)	Total Runoff (in)	Total Runoff Volume (ac-in)	Peak Runoff (cfs)	Time of Concentration (days hh:mm:ss)
A	21.12	74.38	3.04	0.95	20.15	11.75	0 00:36:01
B	5.93	75.63	3.04	1.02	6.05	5.09	0 00:14:31
C	22.68	71.14	3.04	0.79	17.92	5.88	0 01:29:22
D	0.74	77.00	3.04	1.10	0.81	0.74	0 00:11:47
E	3.72	77.00	3.04	1.10	4.09	3.31	0 00:16:51

Node Summary

Element ID	Element Type	Invert Elevation (ft)
OUT-A	Outfall	298.00
OUT-B	Outfall	310.00
OUT-C	Outfall	298.00
OUT-D	Outfall	338.00
OUT-E	Outfall	298.00

Subbasin Hydrology

Subbasin : A

Input Data

Area (ac) 21.12
Weighted Curve Number 74.38
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	7.92	C	70.00
Woods, Good	13.20	D	77.00
Composite Area & Weighted CN	21.12		74.38

Time of Concentration

TOC Method : SCS TR-55

Sheet Flow Equation :

Tc = (0.007 * ((n * Lf)^0.8)) / ((P^0.5) * (Sf^0.4))

Where :

Tc = Time of Concentration (hr)
n = Manning's roughness
Lf = Flow Length (ft)
P = 2 yr, 24 hr Rainfall (inches)
Sf = Slope (ft/ft)

Shallow Concentrated Flow Equation :

V = 16.1345 * (Sf^0.5) (unpaved surface)
V = 20.3282 * (Sf^0.5) (paved surface)
V = 15.0 * (Sf^0.5) (grassed waterway surface)
V = 10.0 * (Sf^0.5) (nearly bare & untilled surface)
V = 9.0 * (Sf^0.5) (cultivated straight rows surface)
V = 7.0 * (Sf^0.5) (short grass pasture surface)
V = 5.0 * (Sf^0.5) (woodland surface)
V = 2.5 * (Sf^0.5) (forest w/heavy litter surface)
Tc = (Lf / V) / (3600 sec/hr)

Where:

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)

Channel Flow Equation :

V = (1.49 * (R^(2/3)) * (Sf^0.5)) / n
R = Aq / Wp
Tc = (Lf / V) / (3600 sec/hr)

Where :

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
R = Hydraulic Radius (ft)
Aq = Flow Area (ft^2)
Wp = Wetted Perimeter (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)
n = Manning's roughness

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	32.75	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.17	0.00	0.00
Computed Flow Time (min) :	10.03	0.00	0.00

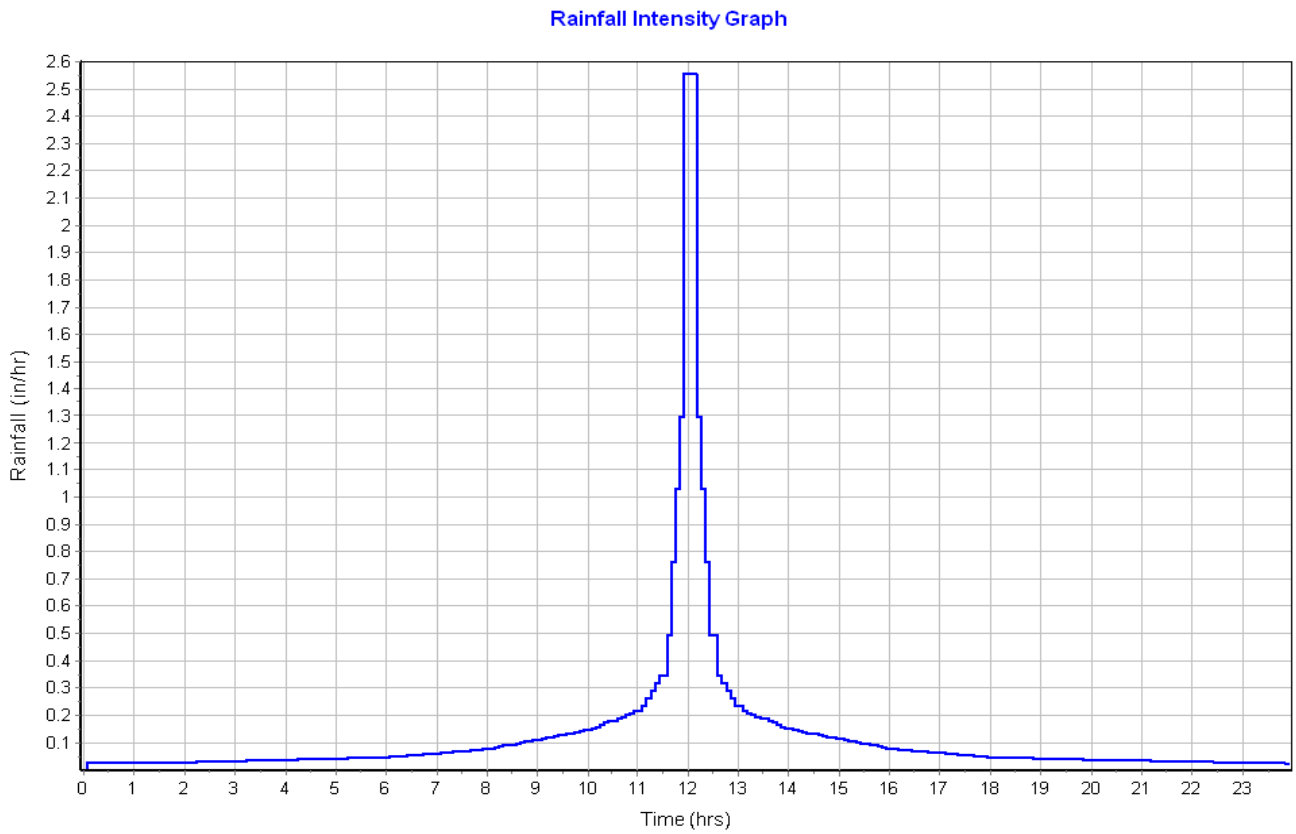
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	870	1086	0.00
Slope (%) :	5.65	.76	0.00
Surface Type :	Woodland		Unpaved
Velocity (ft/sec) :	1.19	1.31	0.00
Computed Flow Time (min) :	12.18	13.82	0.00

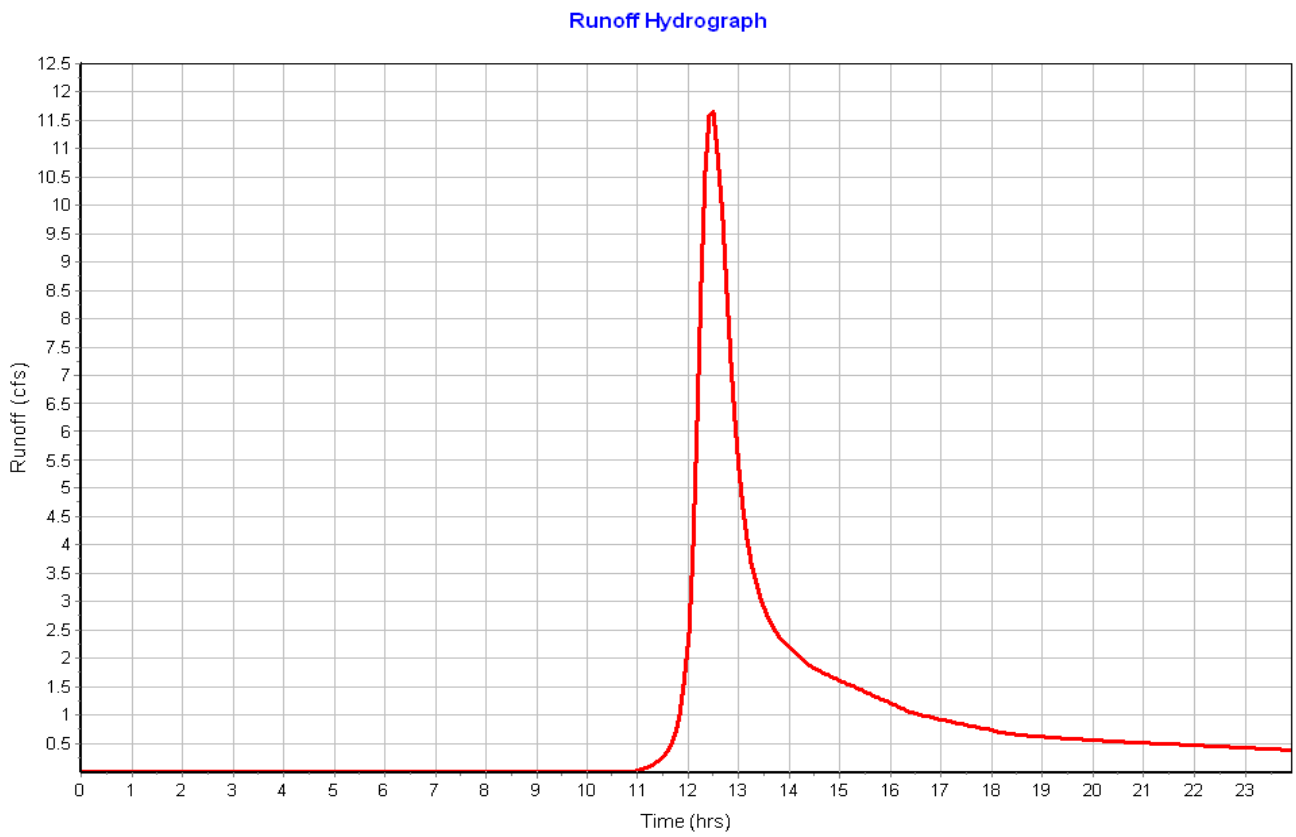
Total TOC (min) 36.03

Subbasin Runoff Results

Total Rainfall (in) 3.04
Total Runoff (in) 0.95
Peak Runoff (cfs) 11.75
Weighted Curve Number 74.38
Time of Concentration (days hh:mm:ss) 0 00:36:02

Subbasin : A


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : B

Input Data

Area (ac) 5.93
Weighted Curve Number 75.63
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	1.16	C	70.00
Woods, Good	4.77	D	77.00
Composite Area & Weighted CN	5.93		75.63

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	34	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.17	0.00	0.00
Computed Flow Time (min) :	9.88	0.00	0.00

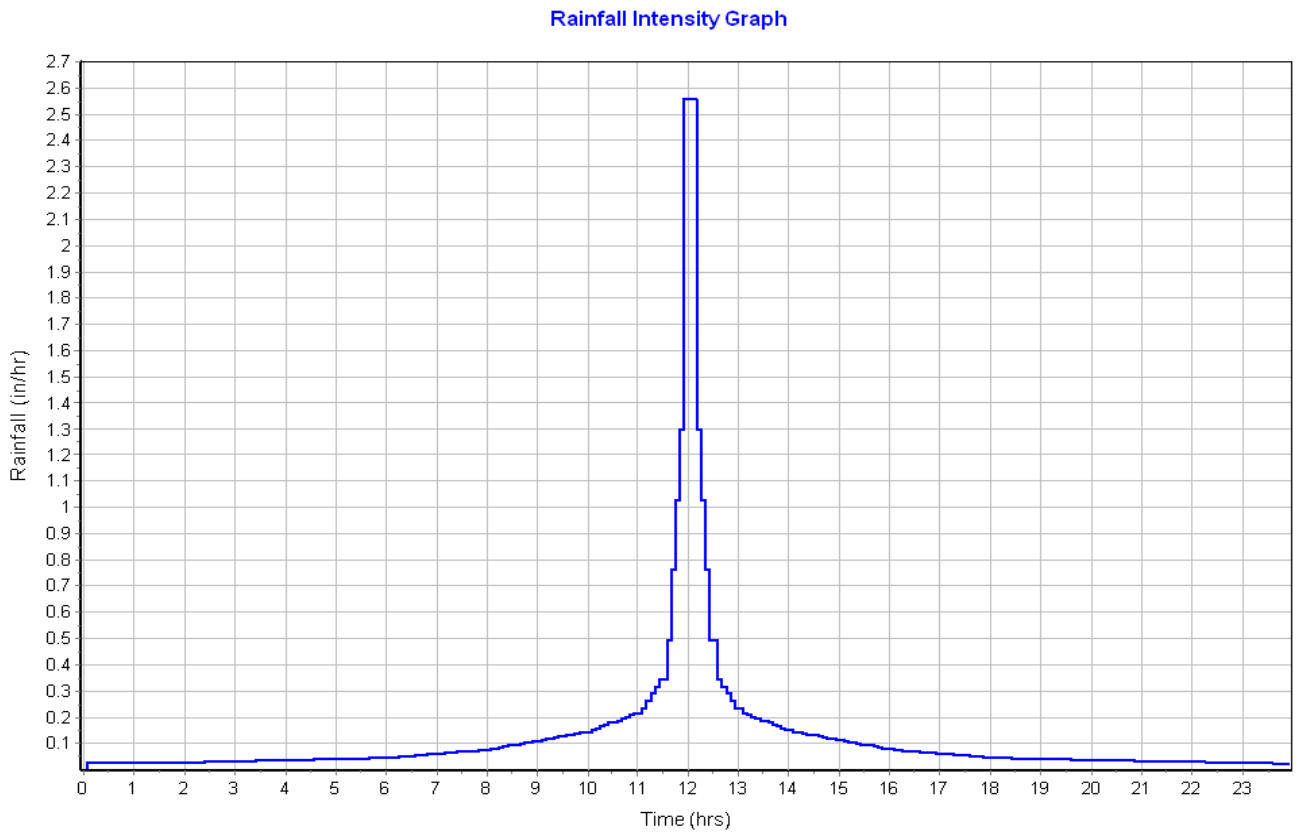
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	440	0.00	0.00
Slope (%) :	10	0.00	0.00
Surface Type :	Woodland	Unpaved	Unpaved
Velocity (ft/sec) :	1.58	0.00	0.00
Computed Flow Time (min) :	4.64	0.00	0.00

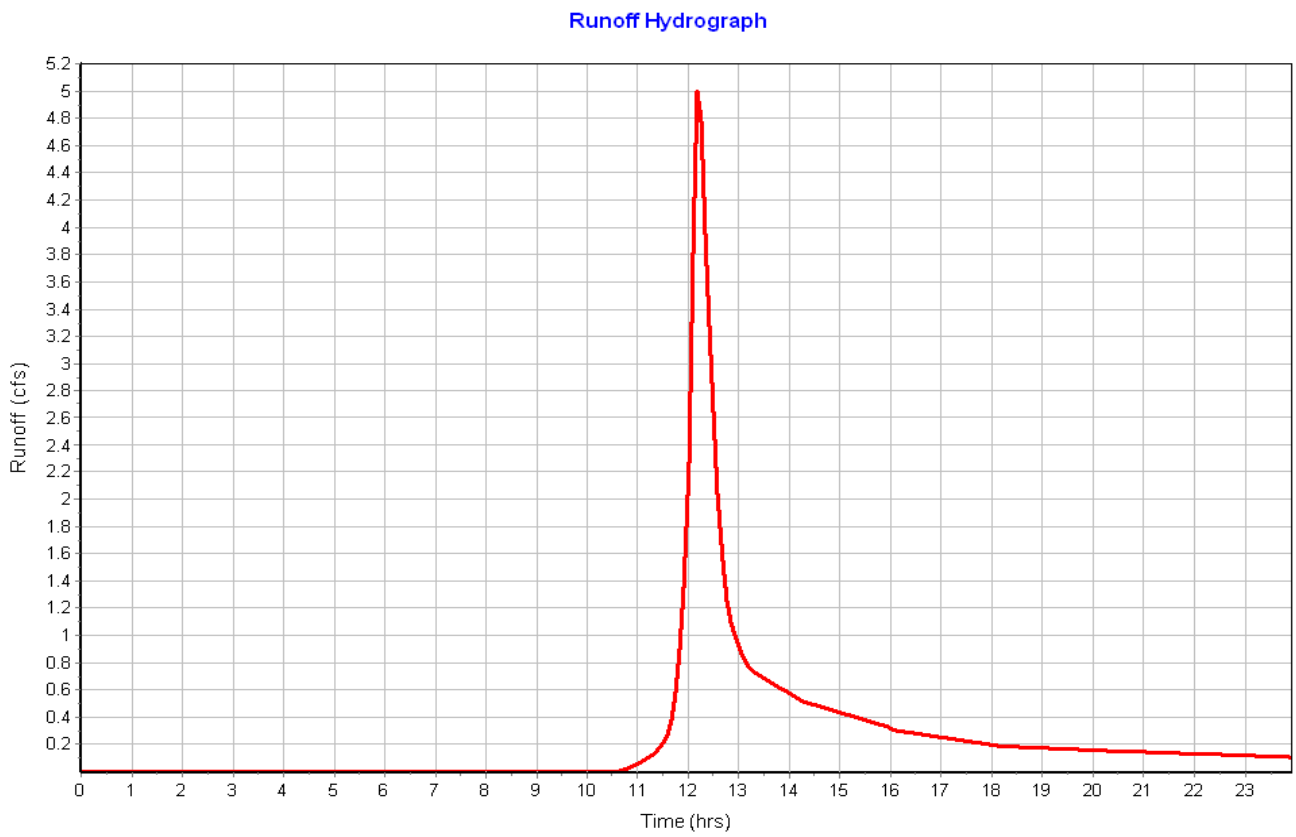
Total TOC (min) 14.52

Subbasin Runoff Results

Total Rainfall (in) 3.04
Total Runoff (in) 1.02
Peak Runoff (cfs) 5.09
Weighted Curve Number 75.63
Time of Concentration (days hh:mm:ss) 0 00:14:31

Subbasin : B


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : C

Input Data

Area (ac) 22.68
Weighted Curve Number 71.14
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	14.42	C	70.00
Woods, Good	7.58	D	77.00
Woods, Good	0.68	A	30.00
Composite Area & Weighted CN	22.68		71.14

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	.47	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.03	0.00	0.00
Computed Flow Time (min) :	54.75	0.00	0.00

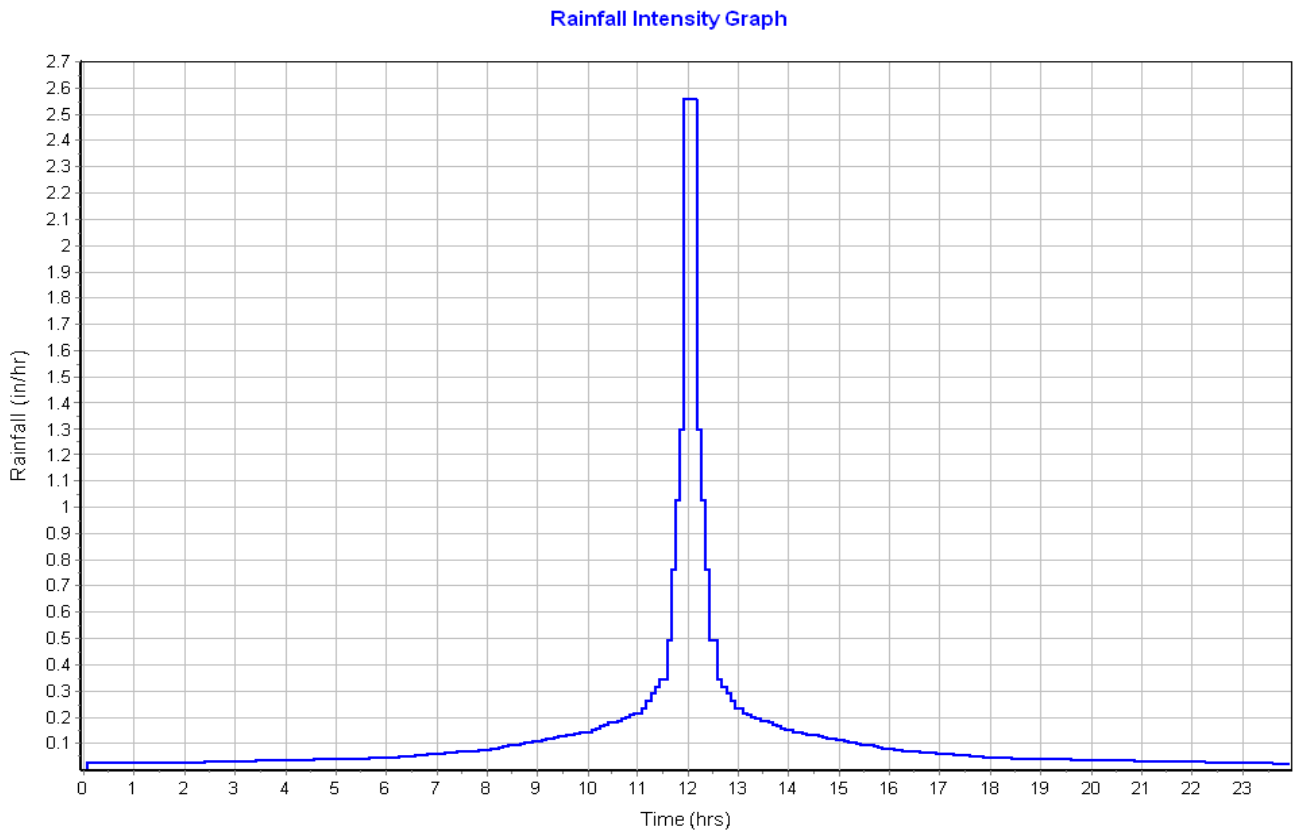
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	2140	0.00	0.00
Slope (%) :	.47	0.00	0.00
Surface Type :	Grassed waterway	Unpaved	Unpaved
Velocity (ft/sec) :	1.03	0.00	0.00
Computed Flow Time (min) :	34.63	0.00	0.00

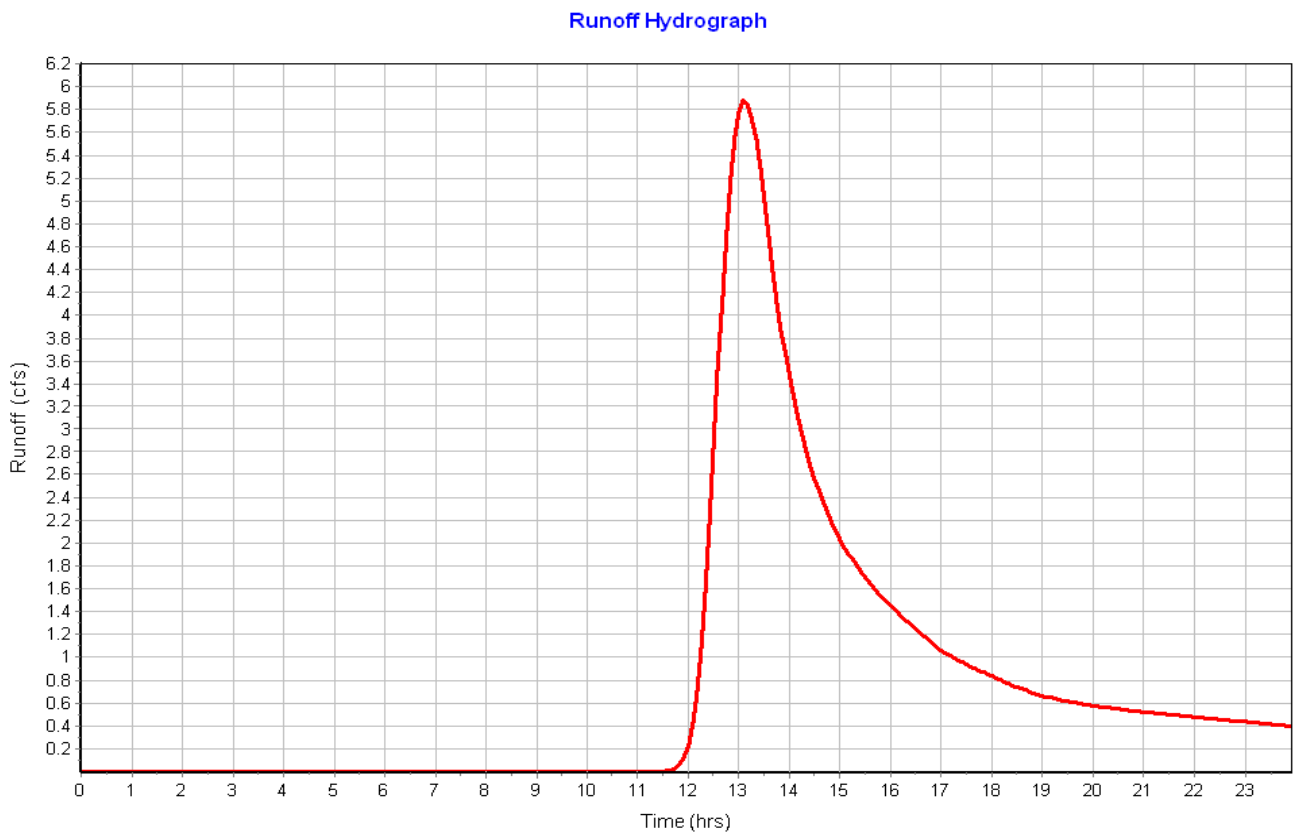
Total TOC (min) 89.38

Subbasin Runoff Results

Total Rainfall (in) 3.04
Total Runoff (in) 0.79
Peak Runoff (cfs) 5.88
Weighted Curve Number 71.14
Time of Concentration (days hh:mm:ss) 0 01:29:23

Subbasin : C


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : D

Input Data

Area (ac) 0.74
Weighted Curve Number 77.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.74	D	77.00
Composite Area & Weighted CN	0.74		77.00

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	23.2	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.14	0.00	0.00
Computed Flow Time (min) :	11.51	0.00	0.00

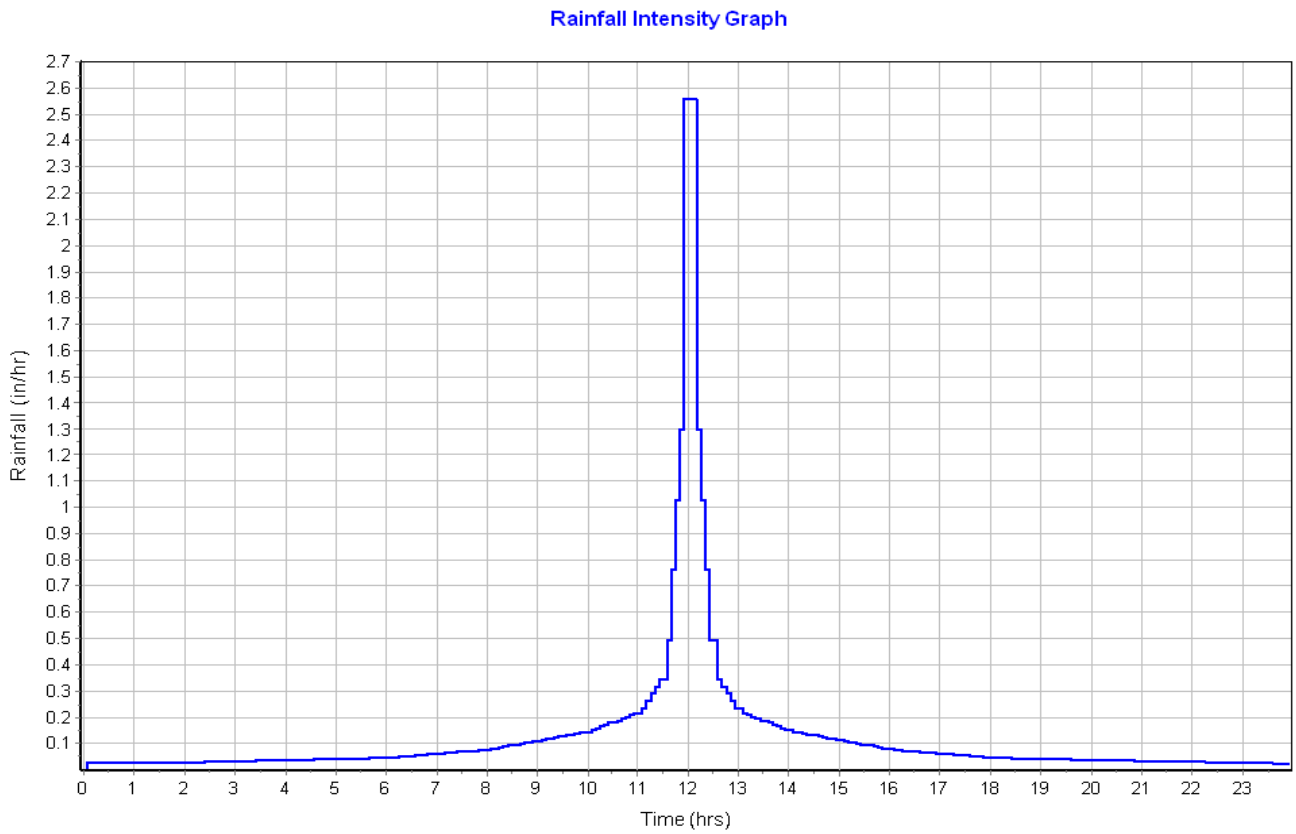
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	33	0.00	0.00
Slope (%) :	14.75	0.00	0.00
Surface Type :	Woodland	Unpaved	Unpaved
Velocity (ft/sec) :	1.92	0.00	0.00
Computed Flow Time (min) :	0.29	0.00	0.00

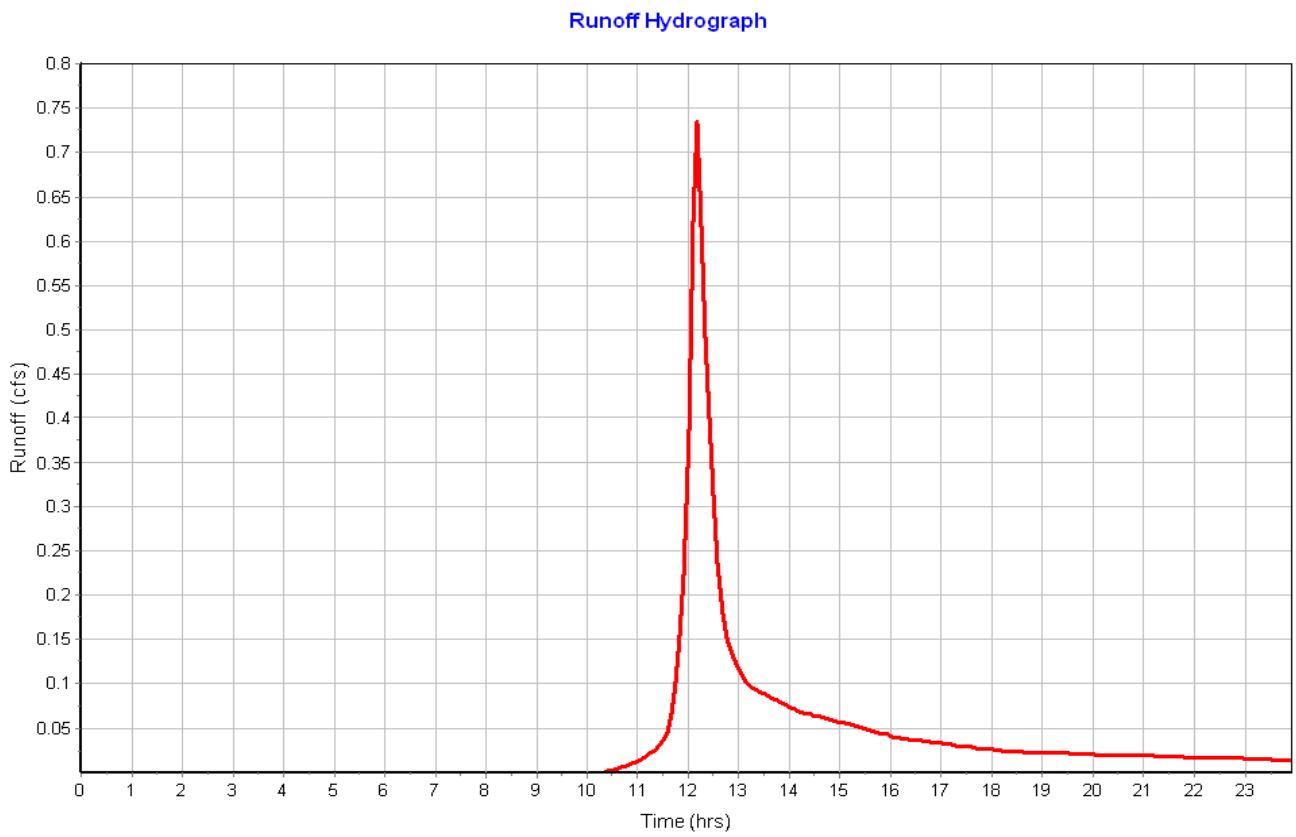
Total TOC (min) 11.79

Subbasin Runoff Results

Total Rainfall (in) 3.04
Total Runoff (in) 1.10
Peak Runoff (cfs) 0.74
Weighted Curve Number 77.00
Time of Concentration (days hh:mm:ss) 0 00:11:47

Subbasin : D


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : E

Input Data

Area (ac) 3.72
Weighted Curve Number 77.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	3.72	D	77.00
Composite Area & Weighted CN	3.72		77.00

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	14	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.12	0.00	0.00
Computed Flow Time (min) :	14.09	0.00	0.00

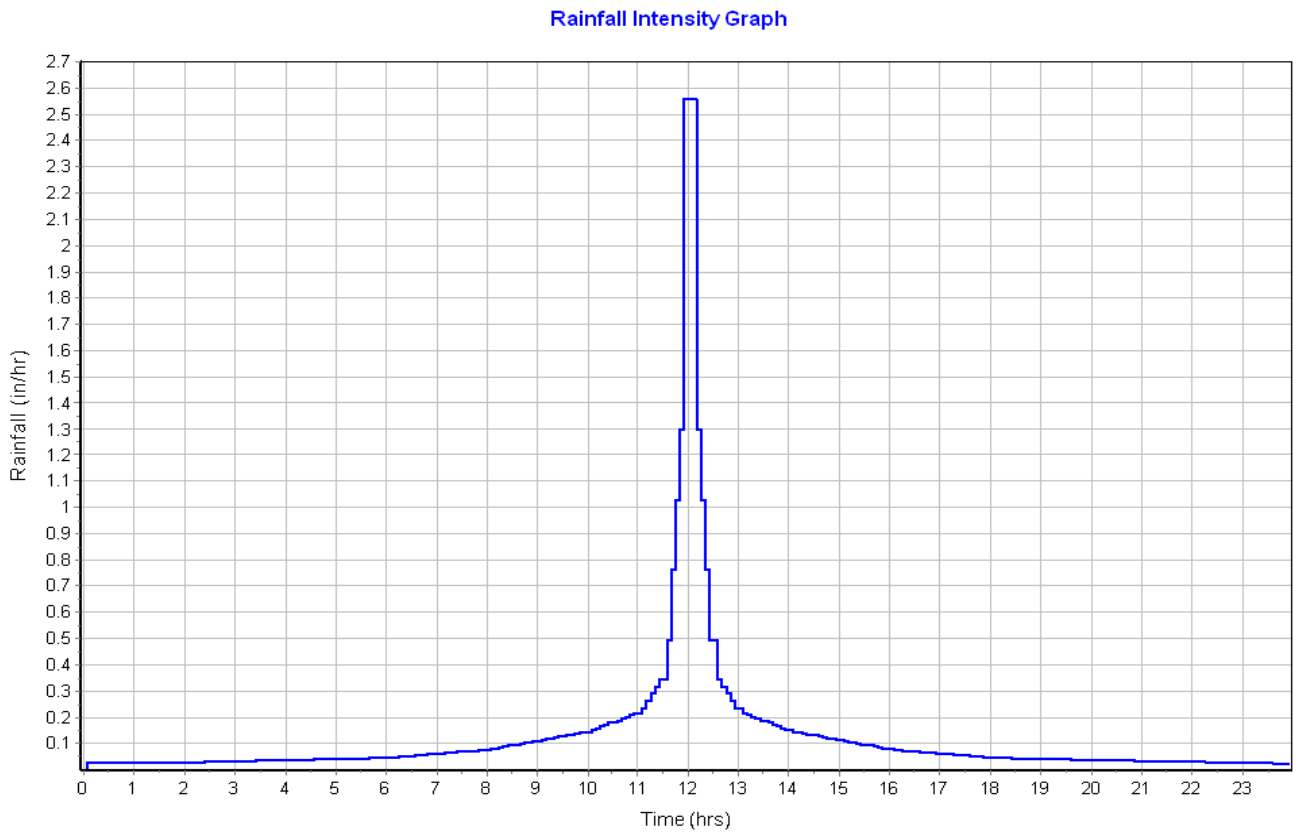
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	375	0.00	0.00
Slope (%) :	20.25	0.00	0.00
Surface Type :	Woodland	Unpaved	Unpaved
Velocity (ft/sec) :	2.25	0.00	0.00
Computed Flow Time (min) :	2.78	0.00	0.00

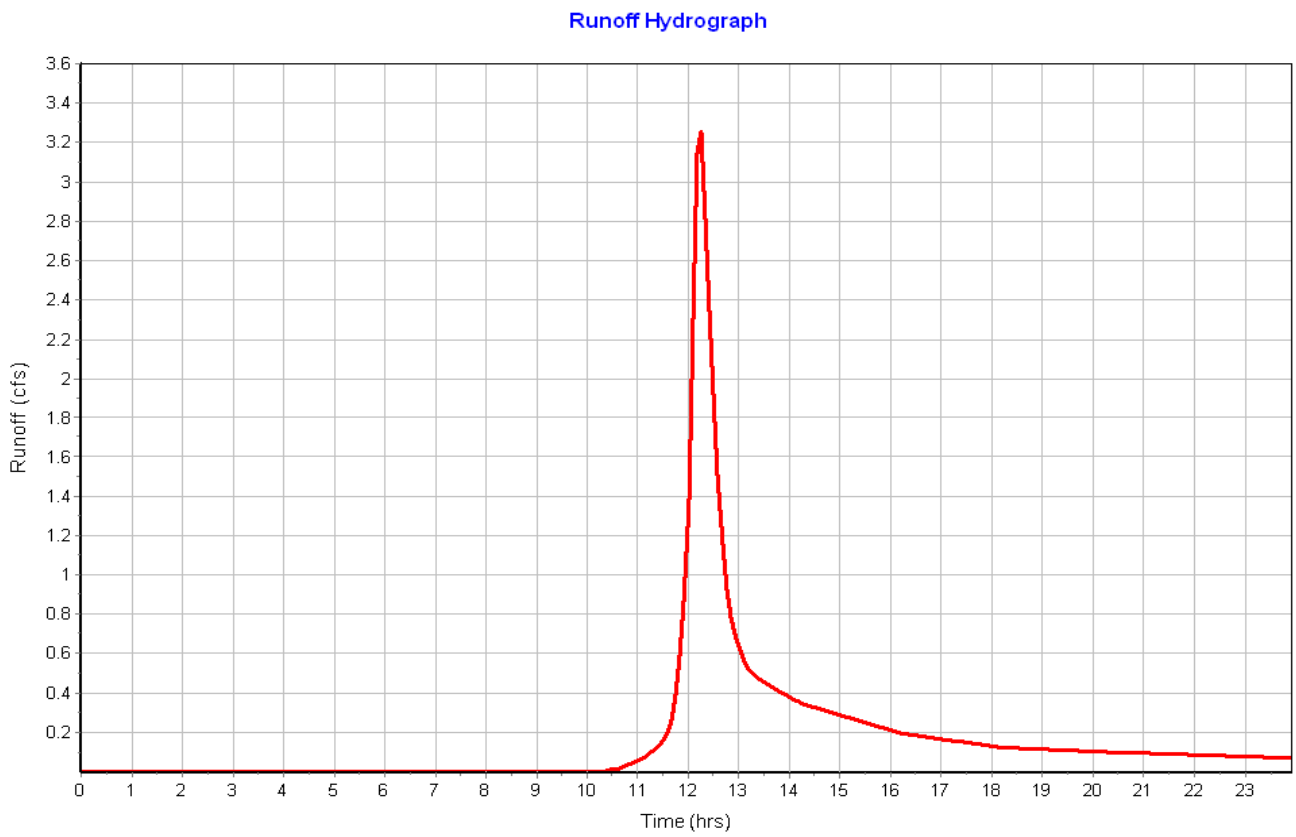
Total TOC (min) 16.86

Subbasin Runoff Results

Total Rainfall (in) 3.04
Total Runoff (in) 1.10
Peak Runoff (cfs) 3.31
Weighted Curve Number 77.00
Time of Concentration (days hh:mm:ss) 0 00:16:52

Subbasin : E


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Project Description

File Name ..... Existing Conditions.SPF

Project Options

Flow Units ..... CFS
Elevation Type ..... Elevation
Hydrology Method ..... SCS TR-55
Time of Concentration (TOC) Method ..... SCS TR-55
Link Routing Method ..... Kinematic Wave
Enable Overflow Ponding at Nodes ..... YES
Skip Steady State Analysis Time Periods ..... NO

Analysis Options

Start Analysis On ..... Jul 13, 2017 00:00:00
End Analysis On ..... Jul 14, 2017 00:00:00
Start Reporting On ..... Jul 13, 2017 00:00:00
Antecedent Dry Days ..... 0 days
Runoff (Dry Weather) Time Step ..... 0 01:00:00 days hh:mm:ss
Runoff (Wet Weather) Time Step ..... 0 00:05:00 days hh:mm:ss
Reporting Time Step ..... 0 00:05:00 days hh:mm:ss
Routing Time Step ..... 30 seconds

Number of Elements

	Qty
Rain Gages	1
Subbasins	5
Nodes	5
Junctions	0
Outfalls	5
Flow Diversions	0
Inlets	0
Storage Nodes	0
Links	0
Channels	0
Pipes	0
Pumps	0
Orifices	0
Weirs	0
Outlets	0
Pollutants	0
Land Uses	0

Rainfall Details

SN	Rain Gage ID	Data Source	Data Source ID	Rainfall Type	Rain Units	State	County	Return Period (years)	Rainfall Depth (inches)	Rainfall Distribution
1	Rain Gage-01	Time Series	TS-10	Cumulative	inches	Maine	Androscoggin	10	4.55	SCS Type III 24-hr

Subbasin Summary

Subbasin ID	Area (ac)	Weighted Curve Number	Total Rainfall (in)	Total Runoff (in)	Total Runoff Volume (ac-in)	Peak Runoff (cfs)	Time of Concentration (days hh:mm:ss)
A	21.12	74.38	4.55	2.04	43.11	26.46	0 00:36:01
B	5.93	75.63	4.55	2.14	12.69	11.09	0 00:14:31
C	22.68	71.14	4.55	1.79	40.67	14.62	0 01:29:22
D	0.74	77.00	4.55	2.25	1.67	1.55	0 00:11:47
E	3.72	77.00	4.55	2.25	8.37	7.00	0 00:16:51

Node Summary

Element ID	Element Type	Invert Elevation (ft)
OUT-A	Outfall	298.00
OUT-B	Outfall	310.00
OUT-C	Outfall	298.00
OUT-D	Outfall	338.00
OUT-E	Outfall	298.00

Subbasin Hydrology

Subbasin : A

Input Data

Area (ac) 21.12
Weighted Curve Number 74.38
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	7.92	C	70.00
Woods, Good	13.20	D	77.00
Composite Area & Weighted CN	21.12		74.38

Time of Concentration

TOC Method : SCS TR-55

Sheet Flow Equation :

Tc = (0.007 * ((n * Lf)^0.8)) / ((P^0.5) * (Sf^0.4))

Where :

Tc = Time of Concentration (hr)
n = Manning's roughness
Lf = Flow Length (ft)
P = 2 yr, 24 hr Rainfall (inches)
Sf = Slope (ft/ft)

Shallow Concentrated Flow Equation :

V = 16.1345 * (Sf^0.5) (unpaved surface)
V = 20.3282 * (Sf^0.5) (paved surface)
V = 15.0 * (Sf^0.5) (grassed waterway surface)
V = 10.0 * (Sf^0.5) (nearly bare & untilled surface)
V = 9.0 * (Sf^0.5) (cultivated straight rows surface)
V = 7.0 * (Sf^0.5) (short grass pasture surface)
V = 5.0 * (Sf^0.5) (woodland surface)
V = 2.5 * (Sf^0.5) (forest w/heavy litter surface)
Tc = (Lf / V) / (3600 sec/hr)

Where:

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)

Channel Flow Equation :

V = (1.49 * (R^(2/3)) * (Sf^0.5)) / n
R = Aq / Wp
Tc = (Lf / V) / (3600 sec/hr)

Where :

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
R = Hydraulic Radius (ft)
Aq = Flow Area (ft^2)
Wp = Wetted Perimeter (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)
n = Manning's roughness

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	32.75	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.17	0.00	0.00
Computed Flow Time (min) :	10.03	0.00	0.00

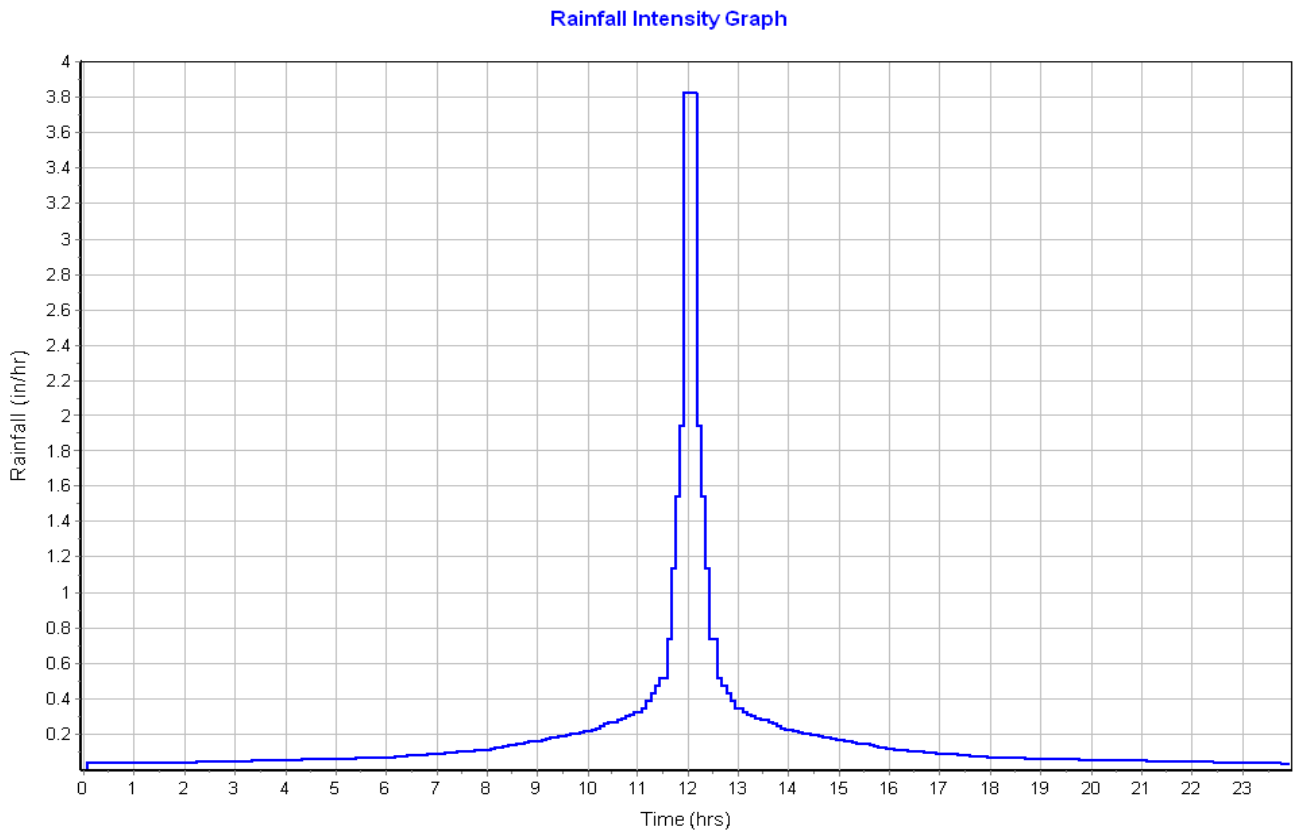
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	870	1086	0.00
Slope (%) :	5.65	.76	0.00
Surface Type :	Woodland		Unpaved
Velocity (ft/sec) :	1.19	1.31	0.00
Computed Flow Time (min) :	12.18	13.82	0.00

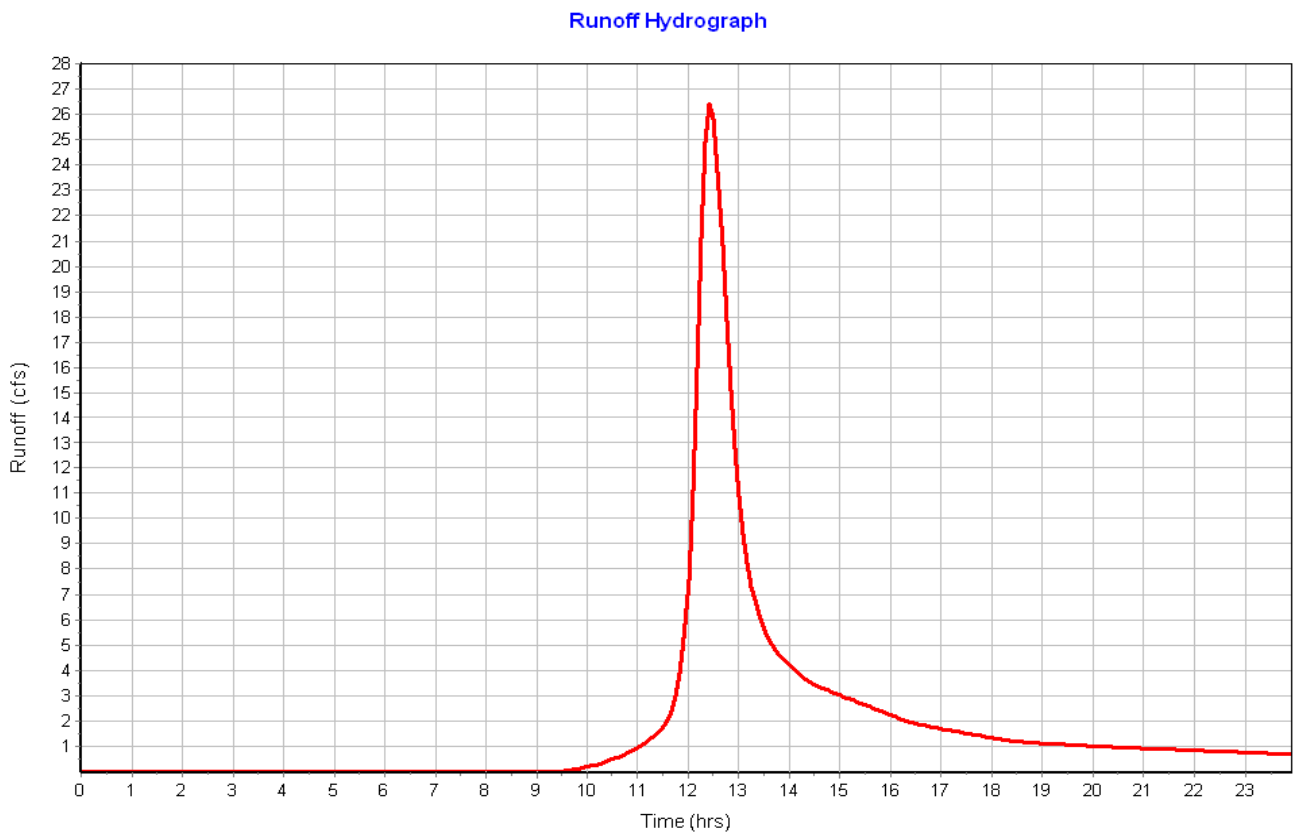
Total TOC (min) 36.03

Subbasin Runoff Results

Total Rainfall (in) 4.55
Total Runoff (in) 2.04
Peak Runoff (cfs) 26.46
Weighted Curve Number 74.38
Time of Concentration (days hh:mm:ss) 0 00:36:02

Subbasin : A


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : B

Input Data

Area (ac) 5.93
Weighted Curve Number 75.63
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	1.16	C	70.00
Woods, Good	4.77	D	77.00
Composite Area & Weighted CN	5.93		75.63

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	34	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.17	0.00	0.00
Computed Flow Time (min) :	9.88	0.00	0.00

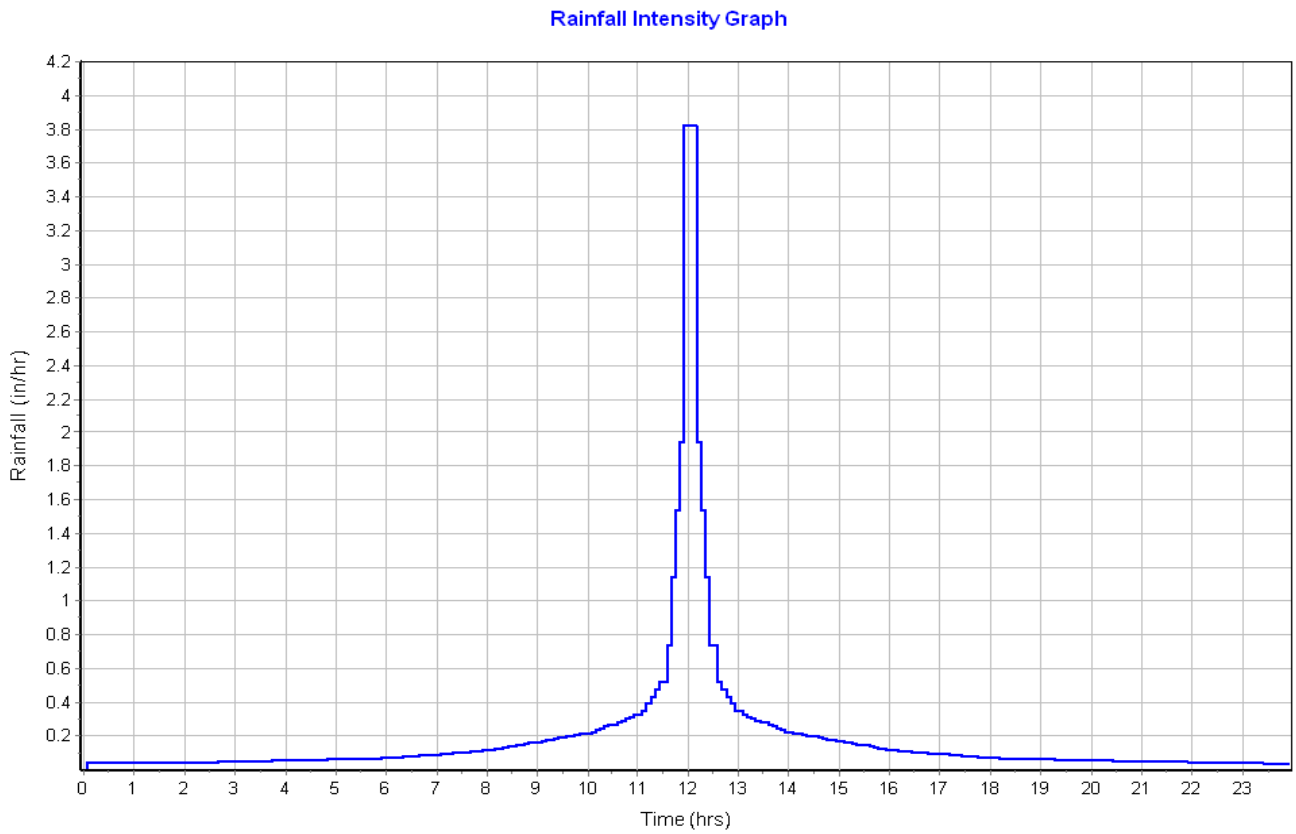
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	440	0.00	0.00
Slope (%) :	10	0.00	0.00
Surface Type :	Woodland	Unpaved	Unpaved
Velocity (ft/sec) :	1.58	0.00	0.00
Computed Flow Time (min) :	4.64	0.00	0.00

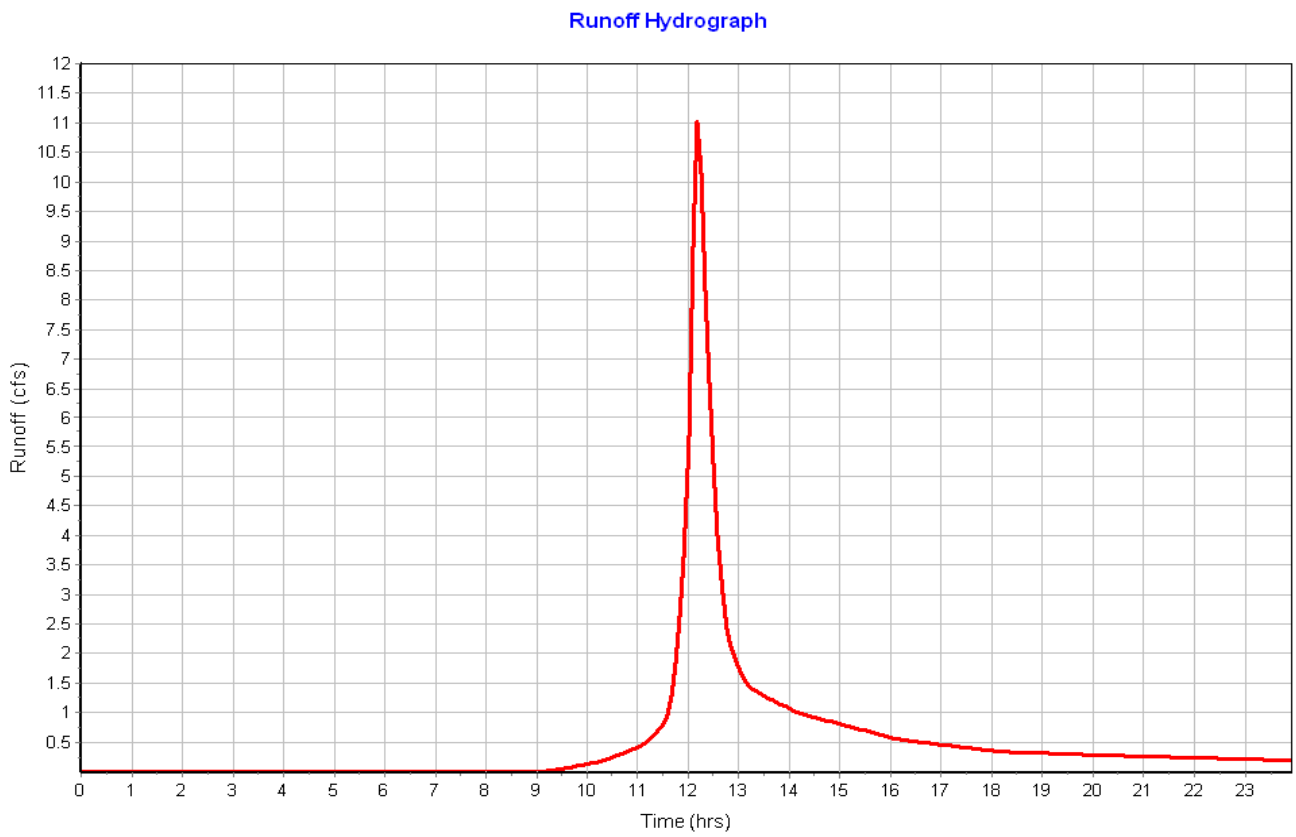
Total TOC (min) 14.52

Subbasin Runoff Results

Total Rainfall (in) 4.55
Total Runoff (in) 2.14
Peak Runoff (cfs) 11.09
Weighted Curve Number 75.63
Time of Concentration (days hh:mm:ss) 0 00:14:31

Subbasin : B


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : C

Input Data

Area (ac) 22.68
Weighted Curve Number 71.14
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	14.42	C	70.00
Woods, Good	7.58	D	77.00
Woods, Good	0.68	A	30.00
Composite Area & Weighted CN	22.68		71.14

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	.47	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.03	0.00	0.00
Computed Flow Time (min) :	54.75	0.00	0.00

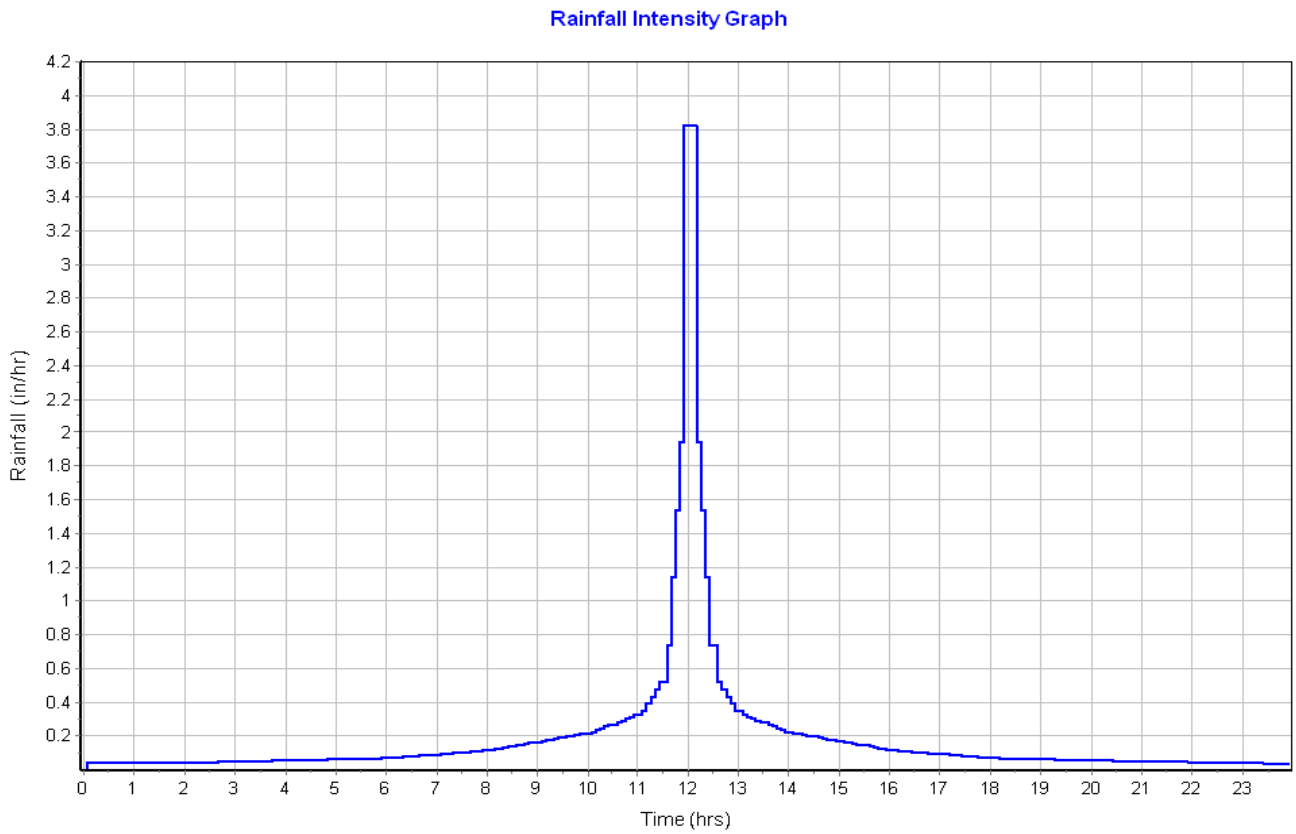
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	2140	0.00	0.00
Slope (%) :	.47	0.00	0.00
Surface Type :	Grassed waterway	Unpaved	Unpaved
Velocity (ft/sec) :	1.03	0.00	0.00
Computed Flow Time (min) :	34.63	0.00	0.00

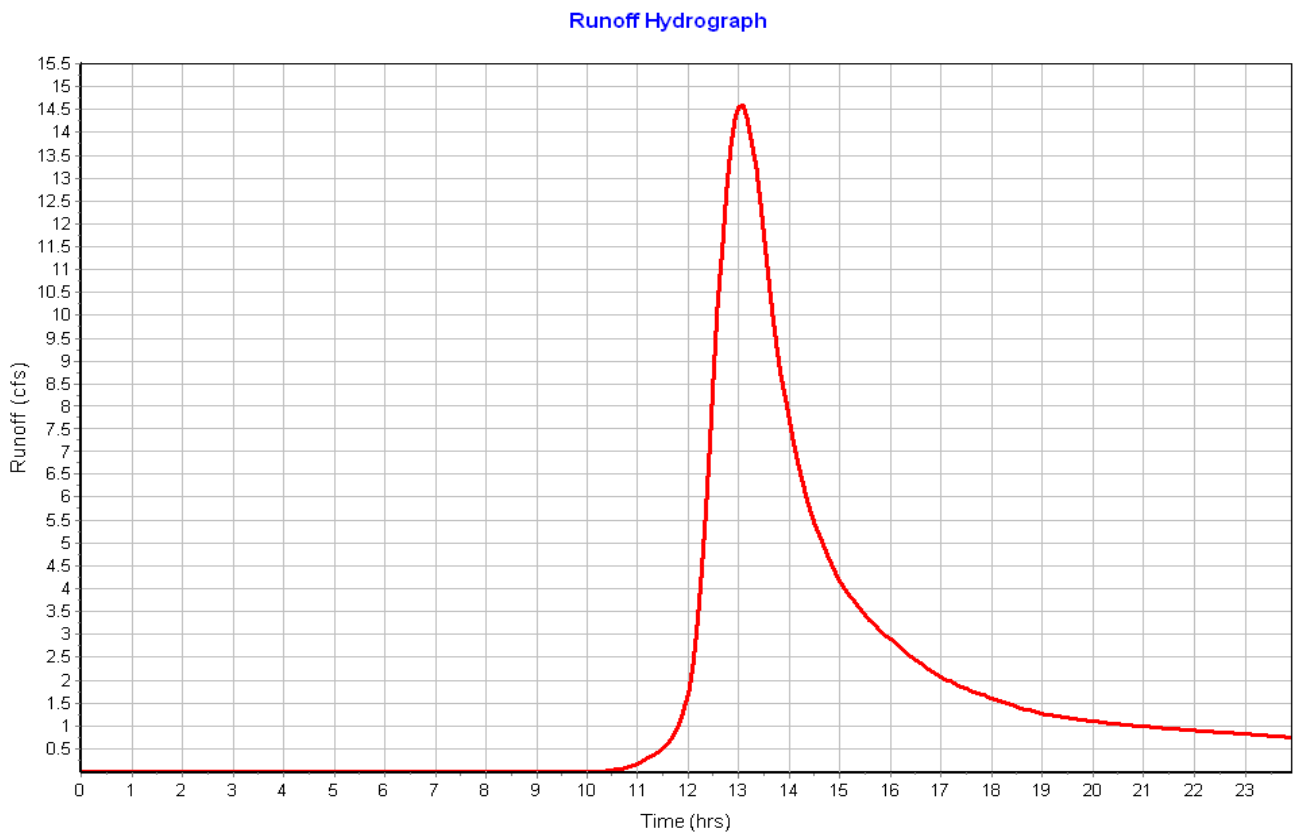
Total TOC (min) 89.38

Subbasin Runoff Results

Total Rainfall (in) 4.55
Total Runoff (in) 1.79
Peak Runoff (cfs) 14.62
Weighted Curve Number 71.14
Time of Concentration (days hh:mm:ss) 0 01:29:23

Subbasin : C


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : D

Input Data

Area (ac) 0.74
Weighted Curve Number 77.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.74	D	77.00
Composite Area & Weighted CN	0.74		77.00

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	23.2	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.14	0.00	0.00
Computed Flow Time (min) :	11.51	0.00	0.00

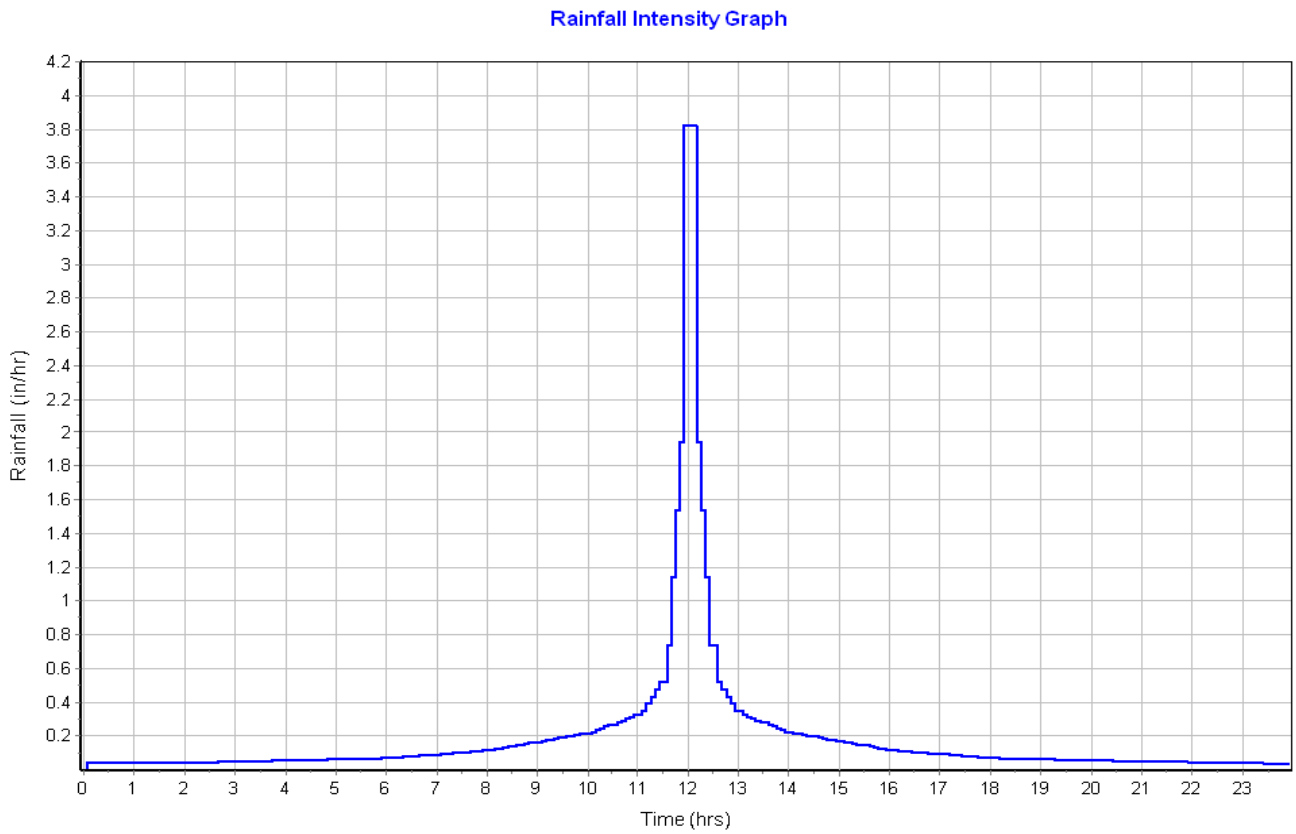
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	33	0.00	0.00
Slope (%) :	14.75	0.00	0.00
Surface Type :	Woodland	Unpaved	Unpaved
Velocity (ft/sec) :	1.92	0.00	0.00
Computed Flow Time (min) :	0.29	0.00	0.00

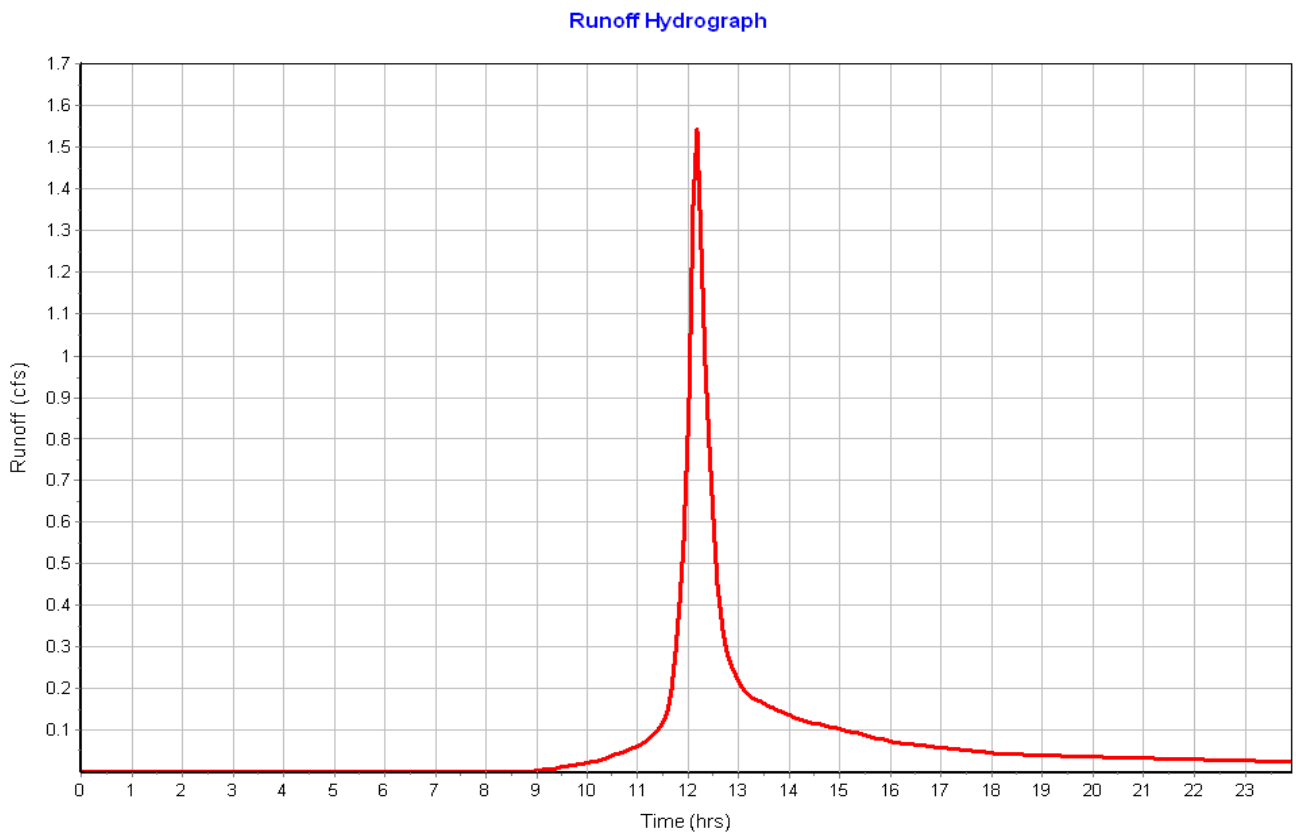
Total TOC (min) 11.79

Subbasin Runoff Results

Total Rainfall (in) 4.55
Total Runoff (in) 2.25
Peak Runoff (cfs) 1.55
Weighted Curve Number 77.00
Time of Concentration (days hh:mm:ss) 0 00:11:47

Subbasin : D


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : E

Input Data

Area (ac) 3.72
Weighted Curve Number 77.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	3.72	D	77.00
Composite Area & Weighted CN	3.72		77.00

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	14	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.12	0.00	0.00
Computed Flow Time (min) :	14.09	0.00	0.00

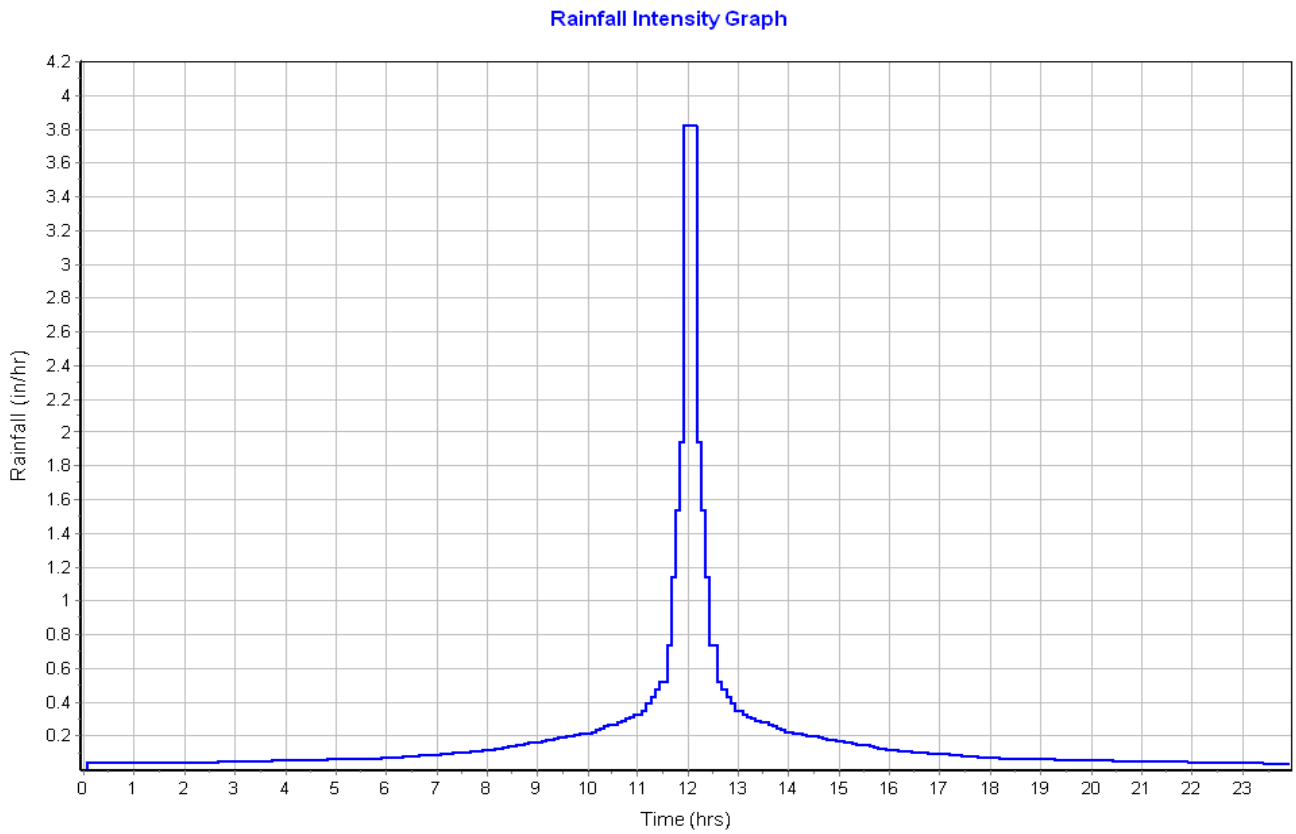
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	375	0.00	0.00
Slope (%) :	20.25	0.00	0.00
Surface Type :	Woodland	Unpaved	Unpaved
Velocity (ft/sec) :	2.25	0.00	0.00
Computed Flow Time (min) :	2.78	0.00	0.00

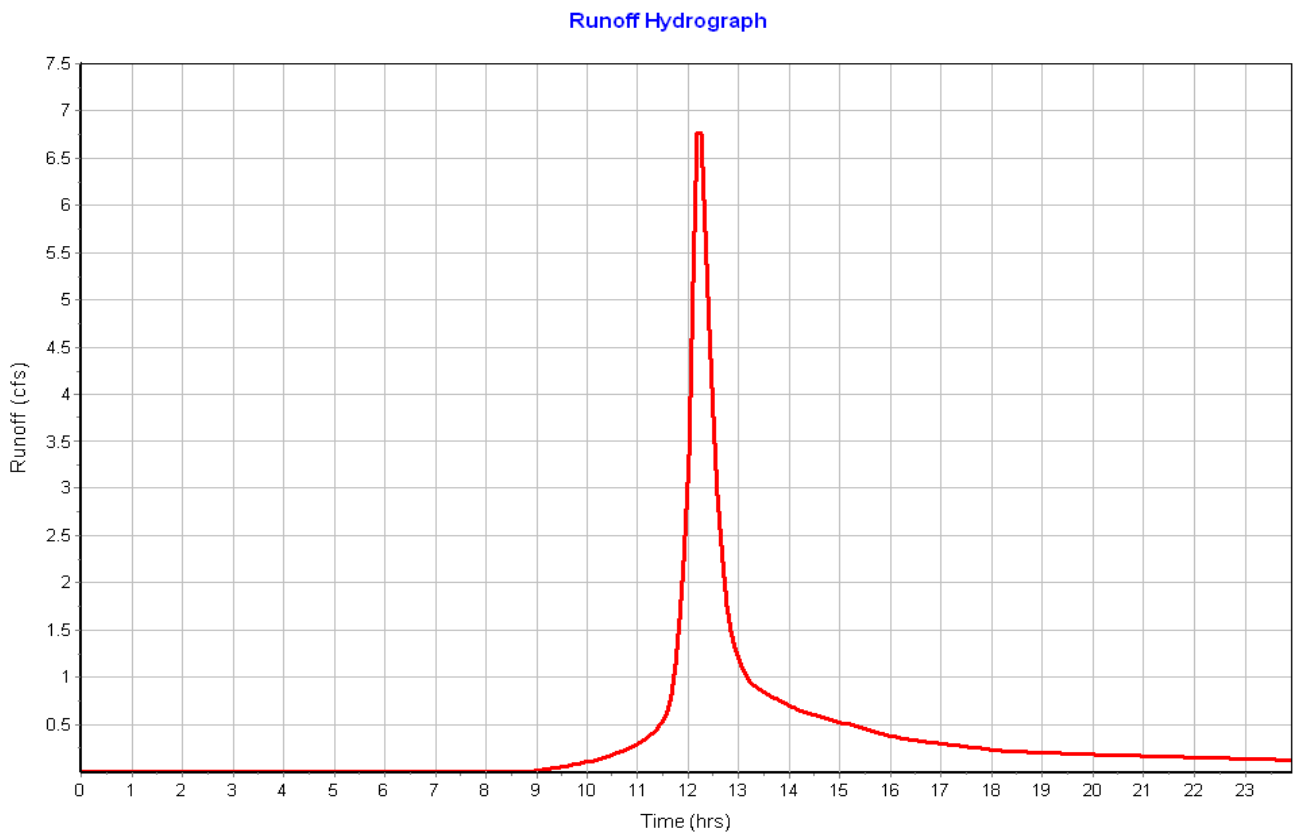
Total TOC (min) 16.86

Subbasin Runoff Results

Total Rainfall (in) 4.55
Total Runoff (in) 2.25
Peak Runoff (cfs) 7.00
Weighted Curve Number 77.00
Time of Concentration (days hh:mm:ss) 0 00:16:52

Subbasin : E


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Project Description

File Name ..... Existing Conditions.SPF

Project Options

Flow Units ..... CFS
Elevation Type ..... Elevation
Hydrology Method ..... SCS TR-55
Time of Concentration (TOC) Method ..... SCS TR-55
Link Routing Method ..... Kinematic Wave
Enable Overflow Ponding at Nodes ..... YES
Skip Steady State Analysis Time Periods ..... NO

Analysis Options

Start Analysis On ..... Jul 13, 2017 00:00:00
End Analysis On ..... Jul 14, 2017 00:00:00
Start Reporting On ..... Jul 13, 2017 00:00:00
Antecedent Dry Days ..... 0 days
Runoff (Dry Weather) Time Step ..... 0 01:00:00 days hh:mm:ss
Runoff (Wet Weather) Time Step ..... 0 00:05:00 days hh:mm:ss
Reporting Time Step ..... 0 00:05:00 days hh:mm:ss
Routing Time Step ..... 30 seconds

Number of Elements

	Qty
Rain Gages	1
Subbasins	5
Nodes	5
Junctions	0
Outfalls	5
Flow Diversions	0
Inlets	0
Storage Nodes	0
Links	0
Channels	0
Pipes	0
Pumps	0
Orifices	0
Weirs	0
Outlets	0
Pollutants	0
Land Uses	0

Rainfall Details

SN	Rain Gage ID	Data Source	Data Source ID	Rainfall Type	Rain Units	State	County	Return Period (years)	Rainfall Depth (inches)	Rainfall Distribution
1	Rain Gage-01	Time Series	TS-25	Cumulative	inches	Maine	Androscoggin	25	5.49	SCS Type III 24-hr

Subbasin Summary

Subbasin ID	Area (ac)	Weighted Curve Number	Total Rainfall (in)	Total Runoff (in)	Total Runoff Volume (ac-in)	Peak Runoff (cfs)	Time of Concentration (days hh:mm:ss)
A	21.12	74.38	5.49	2.80	59.03	36.58	0 00:36:01
B	5.93	75.63	5.49	2.91	17.26	15.17	0 00:14:31
C	22.68	71.14	5.49	2.51	56.84	20.83	0 01:29:22
D	0.74	77.00	5.49	3.04	2.25	2.09	0 00:11:47
E	3.72	77.00	5.49	3.04	11.30	9.47	0 00:16:51

Node Summary

Element ID	Element Type	Invert Elevation (ft)
OUT-A	Outfall	298.00
OUT-B	Outfall	310.00
OUT-C	Outfall	298.00
OUT-D	Outfall	338.00
OUT-E	Outfall	298.00

Subbasin Hydrology

Subbasin : A

Input Data

Area (ac) 21.12
Weighted Curve Number 74.38
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	7.92	C	70.00
Woods, Good	13.20	D	77.00
Composite Area & Weighted CN	21.12		74.38

Time of Concentration

TOC Method : SCS TR-55

Sheet Flow Equation :

Tc = (0.007 * ((n * Lf)^0.8)) / ((P^0.5) * (Sf^0.4))

Where :

Tc = Time of Concentration (hr)
n = Manning's roughness
Lf = Flow Length (ft)
P = 2 yr, 24 hr Rainfall (inches)
Sf = Slope (ft/ft)

Shallow Concentrated Flow Equation :

V = 16.1345 * (Sf^0.5) (unpaved surface)
V = 20.3282 * (Sf^0.5) (paved surface)
V = 15.0 * (Sf^0.5) (grassed waterway surface)
V = 10.0 * (Sf^0.5) (nearly bare & untilled surface)
V = 9.0 * (Sf^0.5) (cultivated straight rows surface)
V = 7.0 * (Sf^0.5) (short grass pasture surface)
V = 5.0 * (Sf^0.5) (woodland surface)
V = 2.5 * (Sf^0.5) (forest w/heavy litter surface)
Tc = (Lf / V) / (3600 sec/hr)

Where:

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)

Channel Flow Equation :

V = (1.49 * (R^(2/3)) * (Sf^0.5)) / n
R = Aq / Wp
Tc = (Lf / V) / (3600 sec/hr)

Where :

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
R = Hydraulic Radius (ft)
Aq = Flow Area (ft^2)
Wp = Wetted Perimeter (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)
n = Manning's roughness

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	32.75	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.17	0.00	0.00
Computed Flow Time (min) :	10.03	0.00	0.00

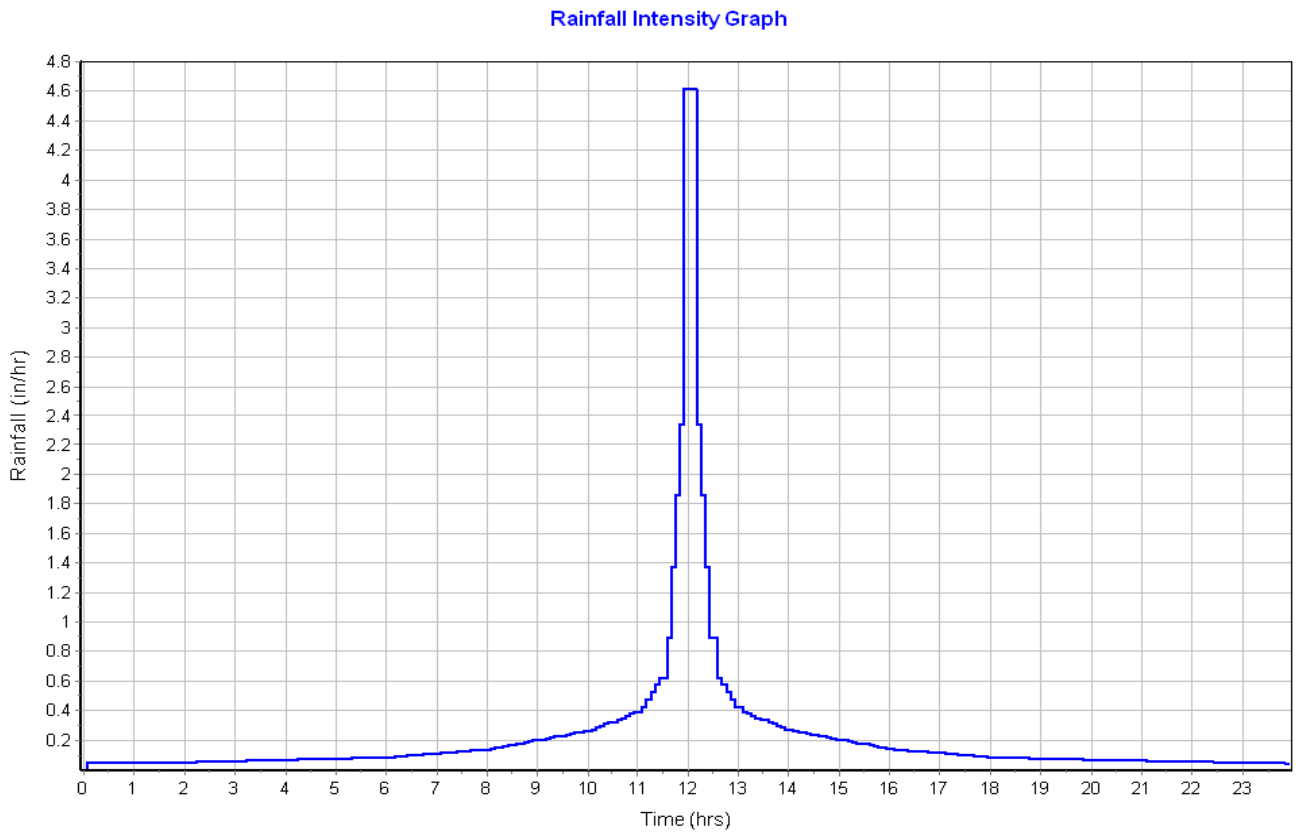
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	870	1086	0.00
Slope (%) :	5.65	.76	0.00
Surface Type :	Woodland		Unpaved
Velocity (ft/sec) :	1.19	1.31	0.00
Computed Flow Time (min) :	12.18	13.82	0.00

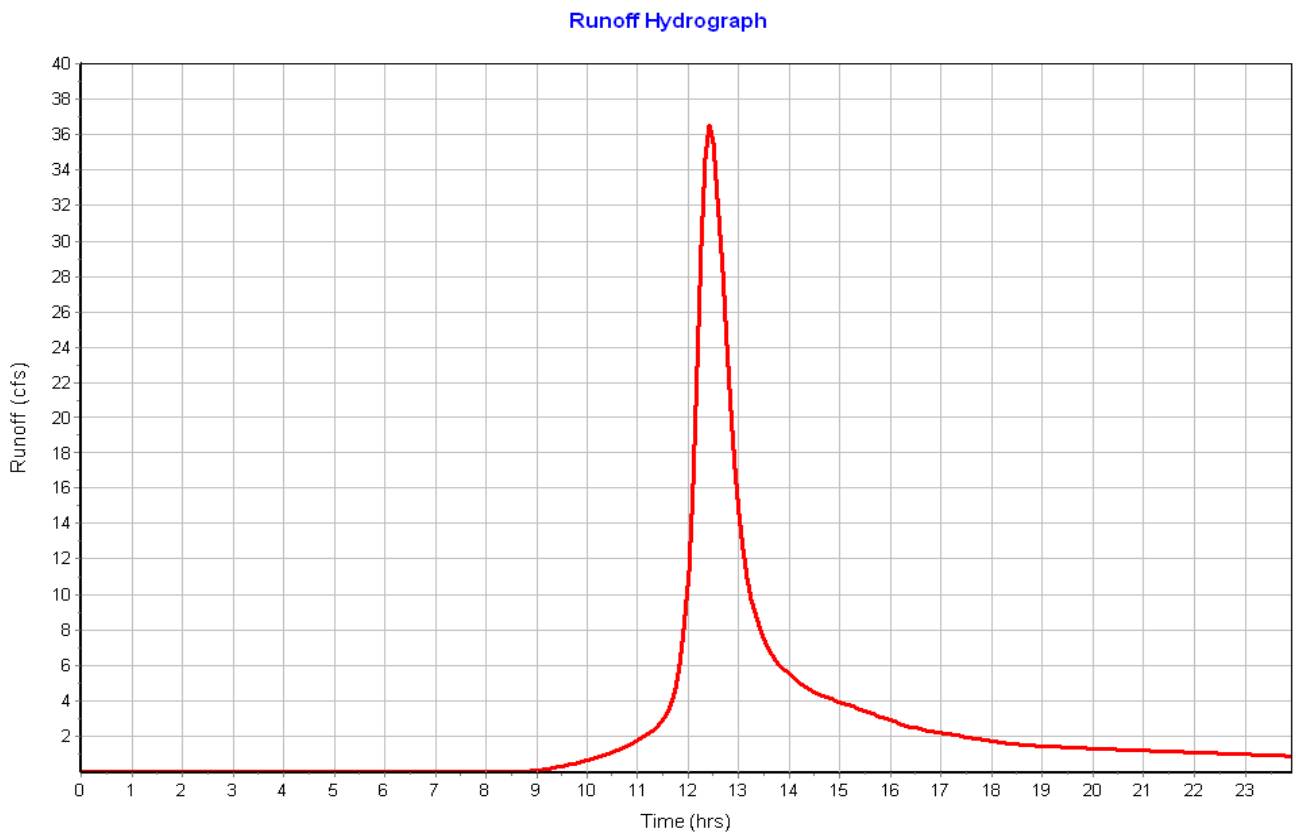
Total TOC (min) 36.03

Subbasin Runoff Results

Total Rainfall (in) 5.49
Total Runoff (in) 2.80
Peak Runoff (cfs) 36.58
Weighted Curve Number 74.38
Time of Concentration (days hh:mm:ss) 0 00:36:02

Subbasin : A


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : B

Input Data

Area (ac) 5.93
Weighted Curve Number 75.63
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	1.16	C	70.00
Woods, Good	4.77	D	77.00
Composite Area & Weighted CN	5.93		75.63

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	34	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.17	0.00	0.00
Computed Flow Time (min) :	9.88	0.00	0.00

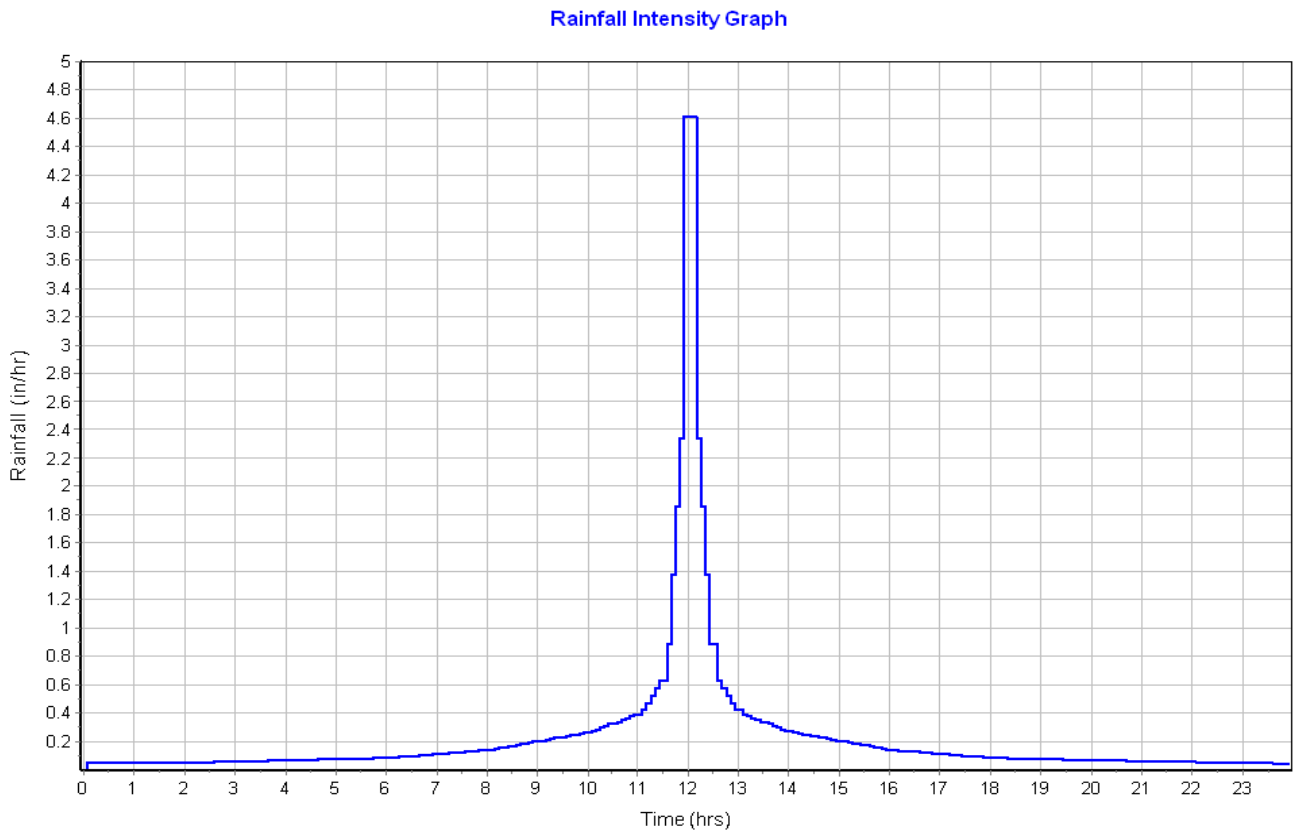
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	440	0.00	0.00
Slope (%) :	10	0.00	0.00
Surface Type :	Woodland	Unpaved	Unpaved
Velocity (ft/sec) :	1.58	0.00	0.00
Computed Flow Time (min) :	4.64	0.00	0.00

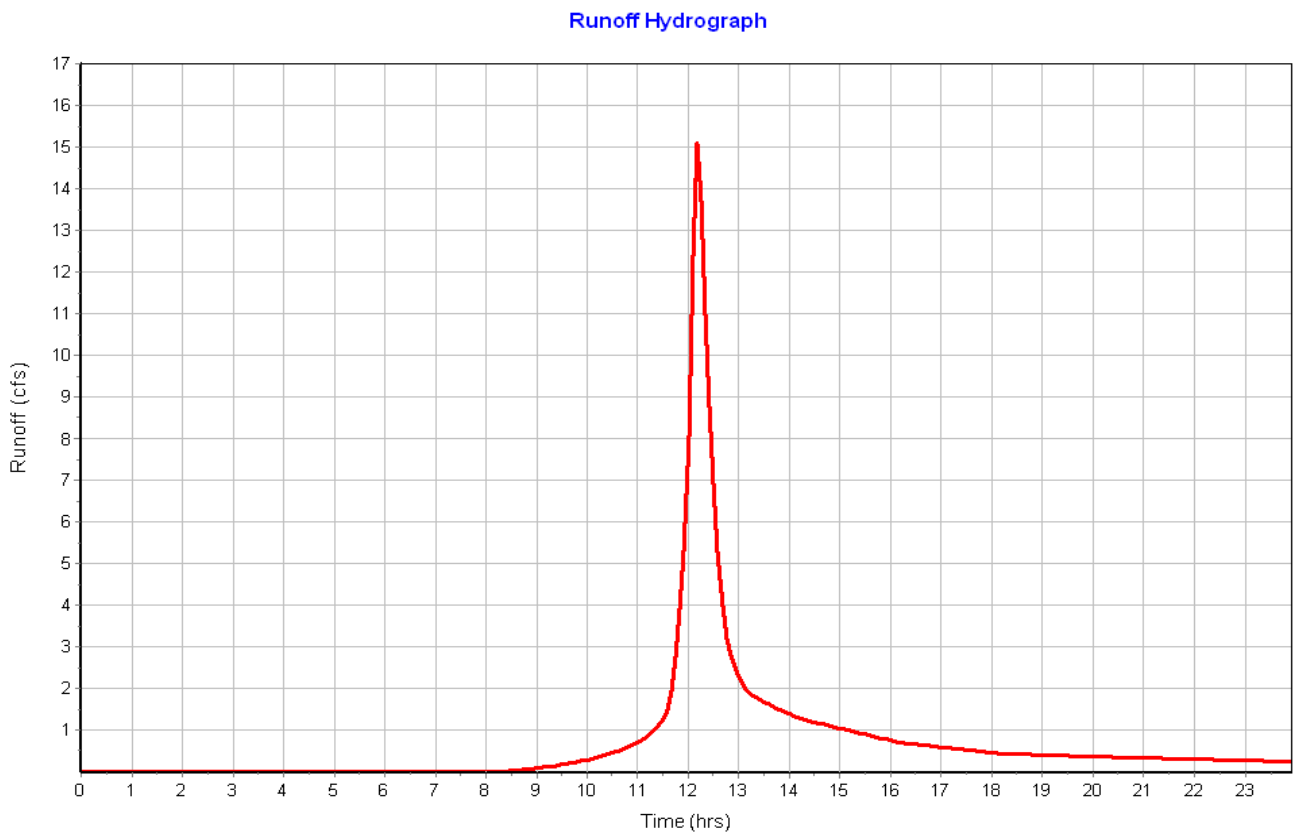
Total TOC (min) 14.52

Subbasin Runoff Results

Total Rainfall (in) 5.49
Total Runoff (in) 2.91
Peak Runoff (cfs) 15.17
Weighted Curve Number 75.63
Time of Concentration (days hh:mm:ss) 0 00:14:31

Subbasin : B


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : C

Input Data

Area (ac) 22.68
Weighted Curve Number 71.14
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	14.42	C	70.00
Woods, Good	7.58	D	77.00
Woods, Good	0.68	A	30.00
Composite Area & Weighted CN	22.68		71.14

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	.47	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.03	0.00	0.00
Computed Flow Time (min) :	54.75	0.00	0.00

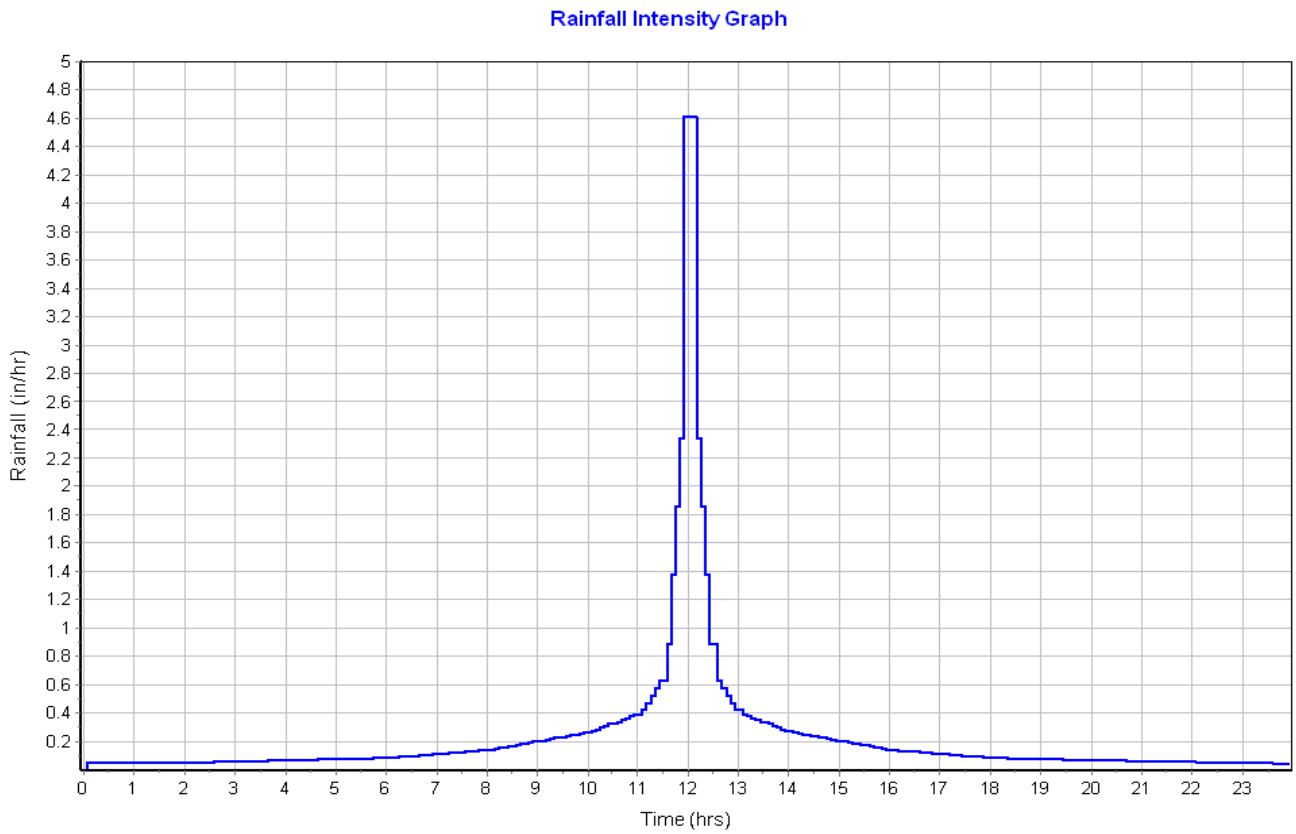
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	2140	0.00	0.00
Slope (%) :	.47	0.00	0.00
Surface Type :	Grassed waterway	Unpaved	Unpaved
Velocity (ft/sec) :	1.03	0.00	0.00
Computed Flow Time (min) :	34.63	0.00	0.00

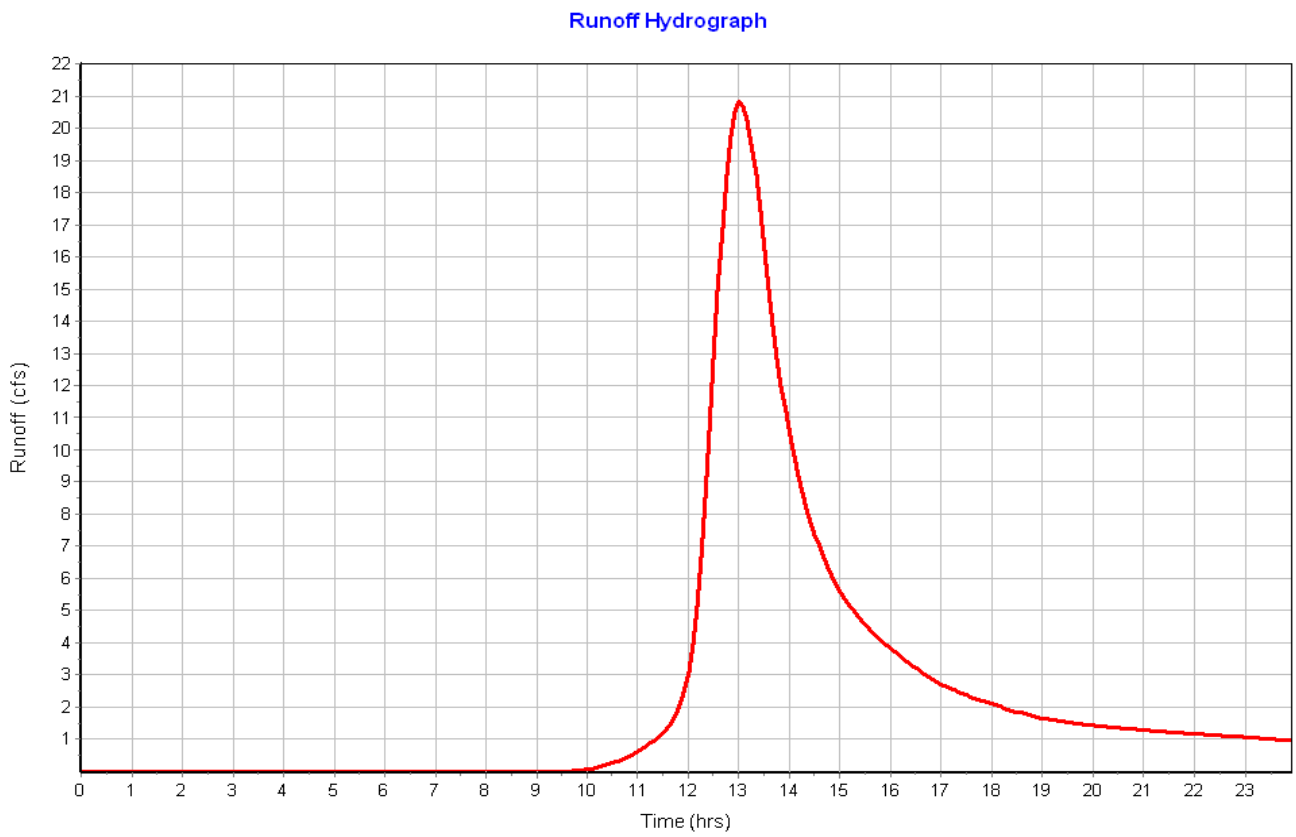
Total TOC (min) 89.38

Subbasin Runoff Results

Total Rainfall (in) 5.49
Total Runoff (in) 2.51
Peak Runoff (cfs) 20.83
Weighted Curve Number 71.14
Time of Concentration (days hh:mm:ss) 0 01:29:23

Subbasin : C


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : D

Input Data

Area (ac) 0.74
Weighted Curve Number 77.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.74	D	77.00
Composite Area & Weighted CN	0.74		77.00

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	23.2	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.14	0.00	0.00
Computed Flow Time (min) :	11.51	0.00	0.00

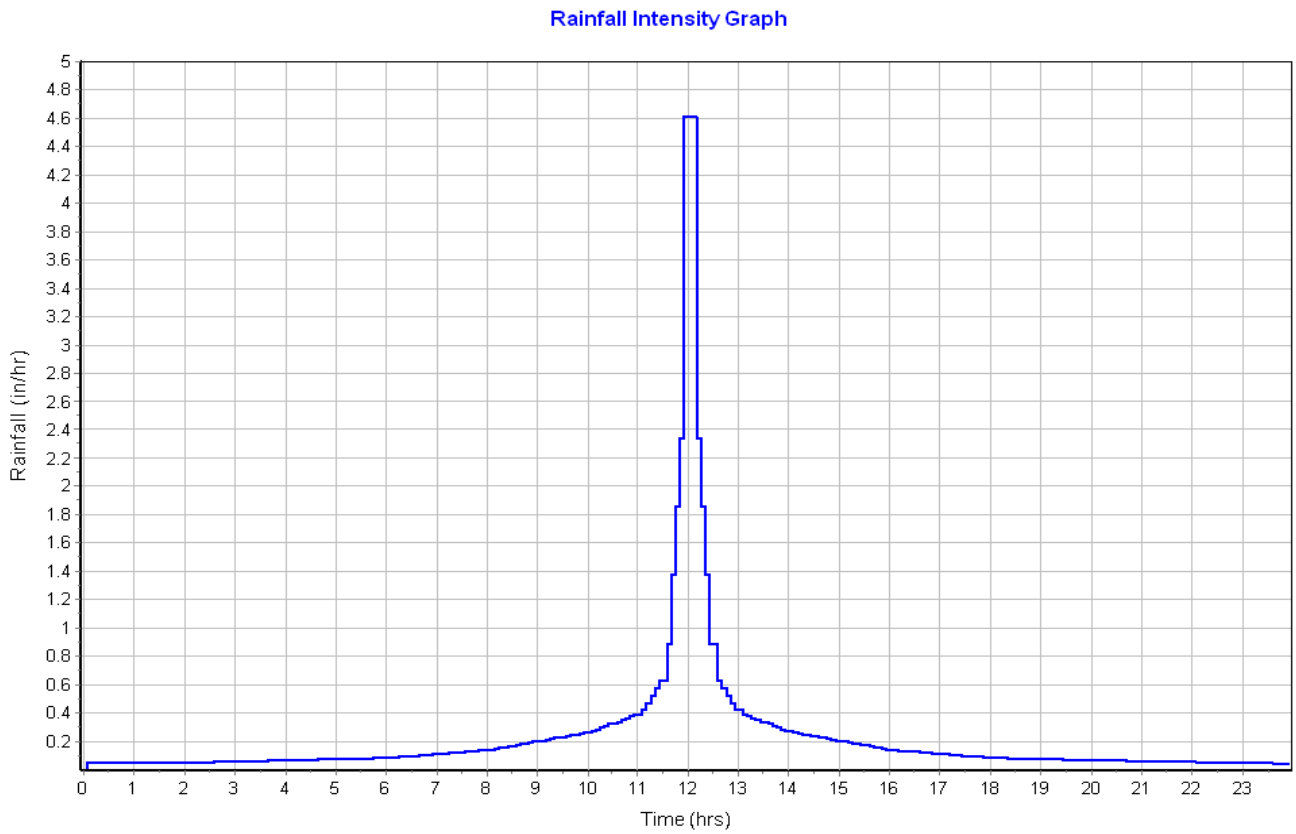
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	33	0.00	0.00
Slope (%) :	14.75	0.00	0.00
Surface Type :	Woodland	Unpaved	Unpaved
Velocity (ft/sec) :	1.92	0.00	0.00
Computed Flow Time (min) :	0.29	0.00	0.00

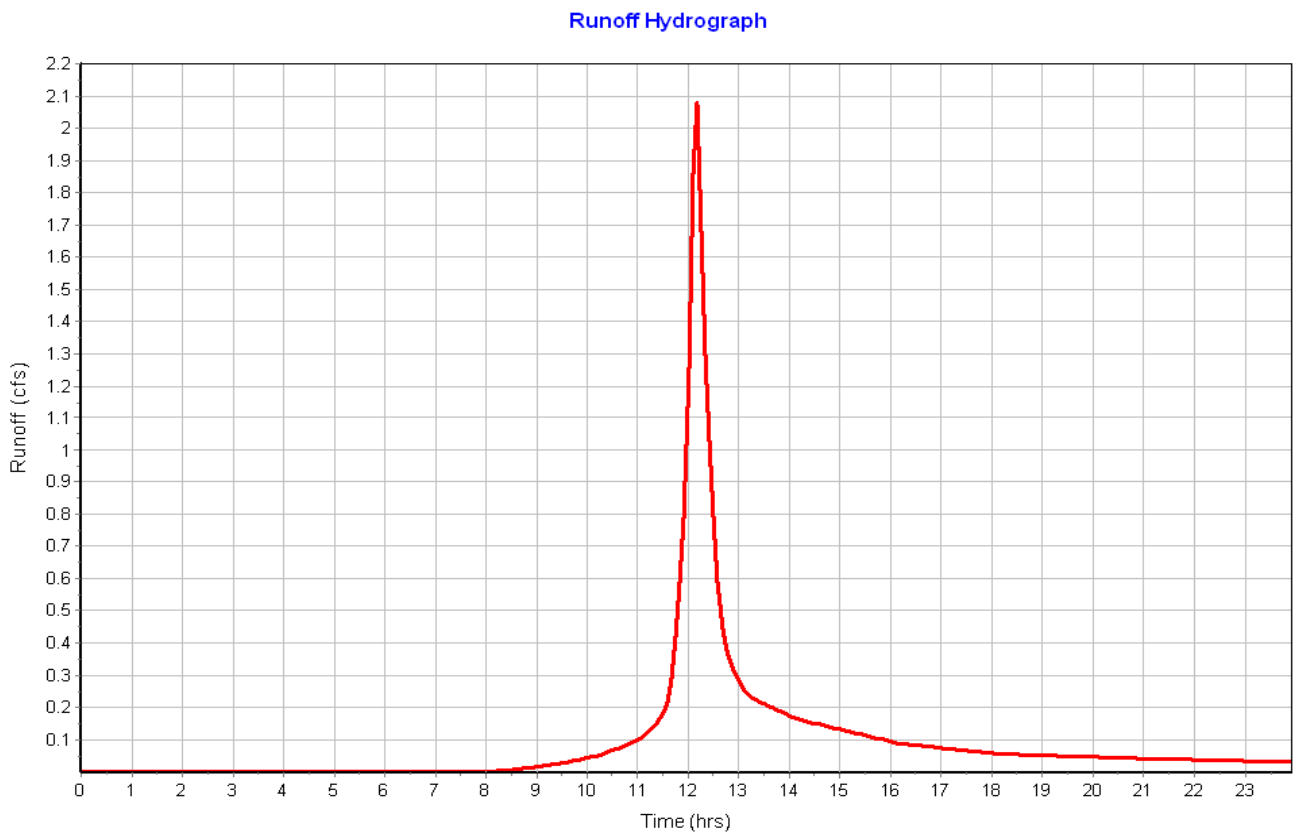
Total TOC (min) 11.79

Subbasin Runoff Results

Total Rainfall (in) 5.49
Total Runoff (in) 3.04
Peak Runoff (cfs) 2.09
Weighted Curve Number 77.00
Time of Concentration (days hh:mm:ss) 0 00:11:47

Subbasin : D


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : E

Input Data

Area (ac) 3.72
Weighted Curve Number 77.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	3.72	D	77.00
Composite Area & Weighted CN	3.72		77.00

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	14	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.12	0.00	0.00
Computed Flow Time (min) :	14.09	0.00	0.00

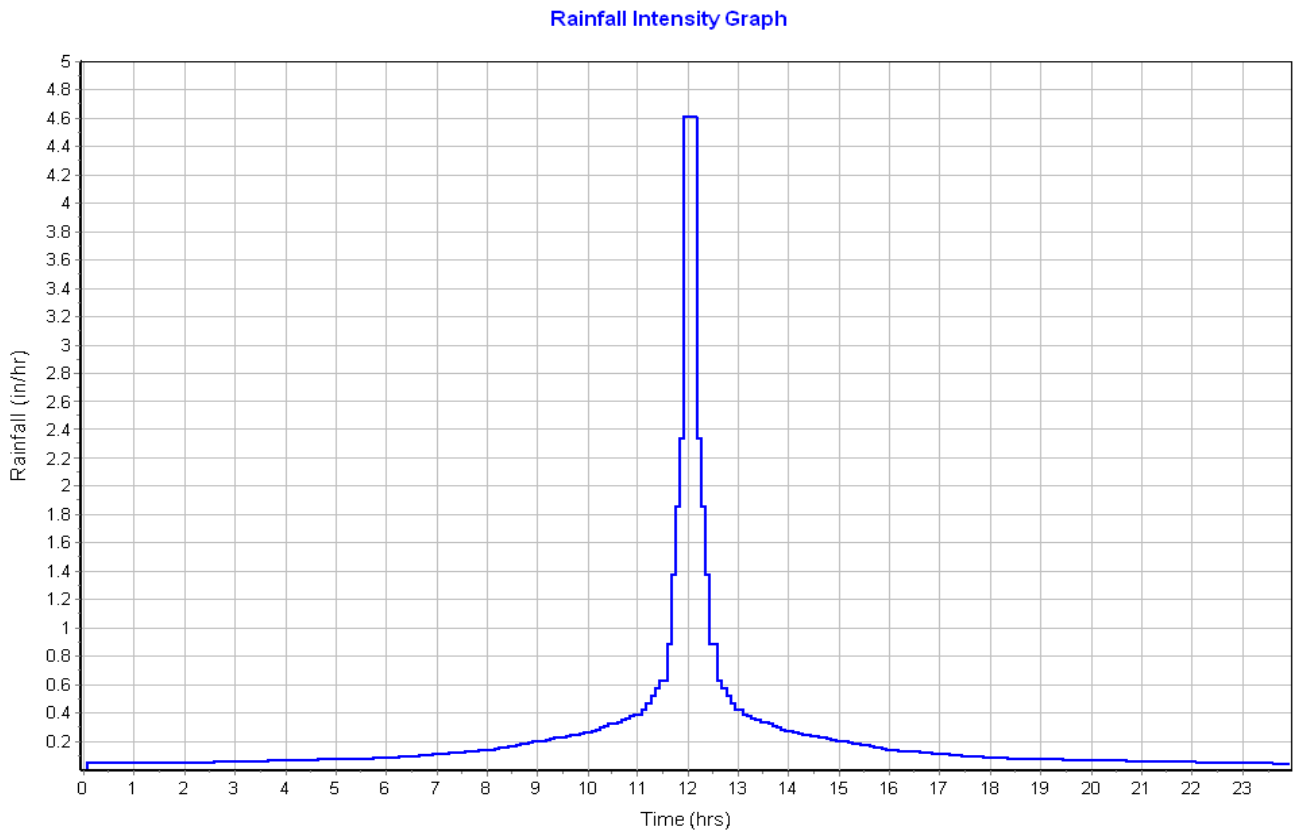
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	375	0.00	0.00
Slope (%) :	20.25	0.00	0.00
Surface Type :	Woodland	Unpaved	Unpaved
Velocity (ft/sec) :	2.25	0.00	0.00
Computed Flow Time (min) :	2.78	0.00	0.00

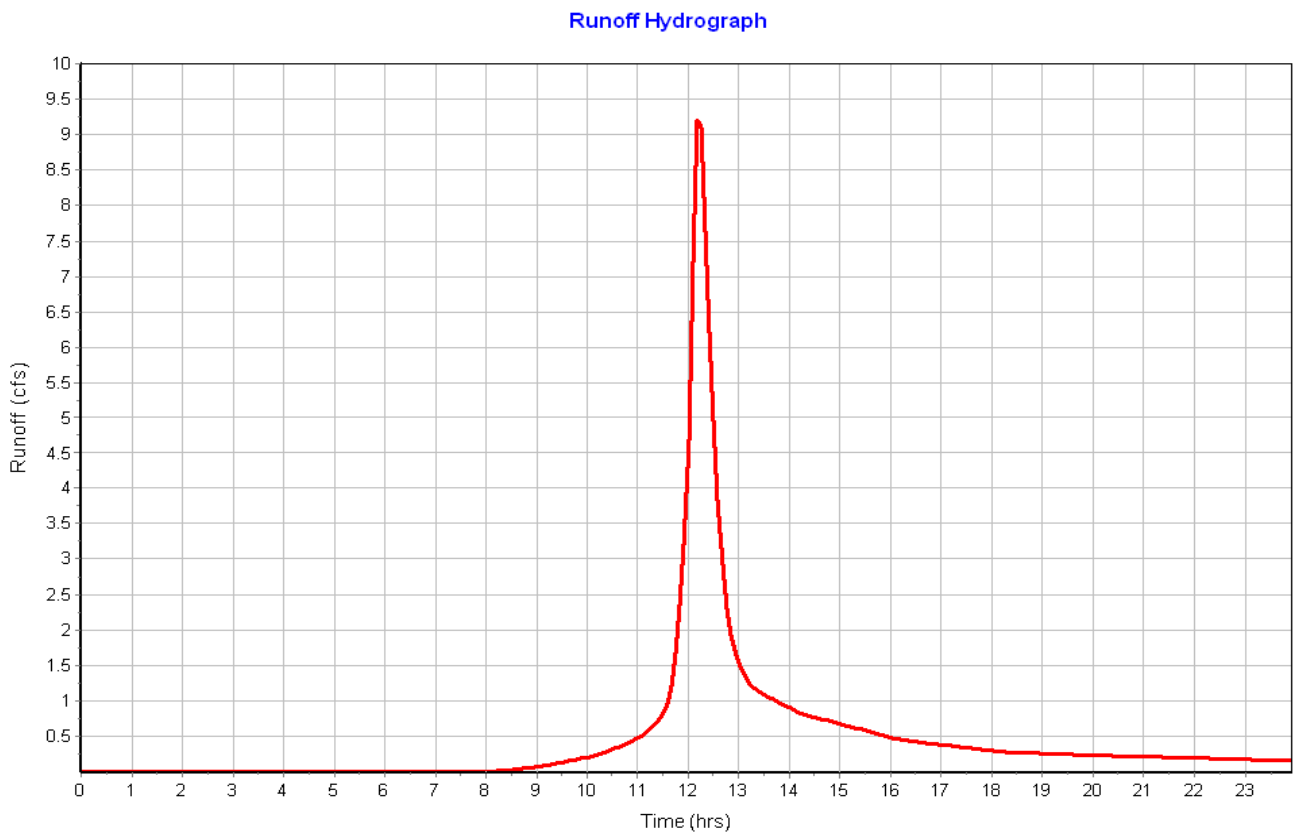
Total TOC (min) 16.86

Subbasin Runoff Results

Total Rainfall (in) 5.49
Total Runoff (in) 3.04
Peak Runoff (cfs) 9.47
Weighted Curve Number 77.00
Time of Concentration (days hh:mm:ss) 0 00:16:52

Subbasin : E


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Project Description

File Name ..... Proposed Conditions 7-2-18.SPF

Project Options

Flow Units ..... CFS
Elevation Type ..... Elevation
Hydrology Method ..... SCS TR-55
Time of Concentration (TOC) Method ..... SCS TR-55
Link Routing Method ..... Kinematic Wave
Enable Overflow Ponding at Nodes ..... YES
Skip Steady State Analysis Time Periods ..... NO

Analysis Options

Start Analysis On ..... Jul 13, 2017 00:00:00
End Analysis On ..... Jul 14, 2017 00:00:00
Start Reporting On ..... Jul 13, 2017 00:00:00
Antecedent Dry Days ..... 0 days
Runoff (Dry Weather) Time Step ..... 0 01:00:00 days hh:mm:ss
Runoff (Wet Weather) Time Step ..... 0 00:05:00 days hh:mm:ss
Reporting Time Step ..... 0 00:05:00 days hh:mm:ss
Routing Time Step ..... 30 seconds

Number of Elements

	Qty
Rain Gages	1
Subbasins	9
Nodes	16
Junctions	7
Outfalls	5
Flow Diversions	0
Inlets	0
Storage Nodes	4
Links	15
Channels	2
Pipes	5
Pumps	0
Orifices	5
Weirs	3
Outlets	0
Pollutants	0
Land Uses	0

Rainfall Details

SN	Rain Gage ID	Data Source	Data Source ID	Rainfall Type	Rain Units	State	County	Return Period (years)	Rainfall Depth (inches)	Rainfall Distribution
1	Rain Gage-01	Time Series	TS-02	Cumulative	inches	Maine	Androscoggin	2	3.04	SCS Type III 24-hr

Subbasin Summary

Subbasin ID	Area (ac)	Weighted Curve Number	Total Rainfall (in)	Total Runoff (in)	Total Runoff Volume (ac-in)	Peak Runoff (cfs)	Time of Concentration (days hh:mm:ss)
A1	12.28	73.16	3.04	0.89	10.93	5.33	0 00:49:44
A2	6.41	81.47	3.04	1.38	8.81	7.96	0 00:12:48
A3	4.01	71.75	3.04	0.82	3.29	2.99	0 00:09:08
B	5.14	75.65	3.04	1.02	5.26	3.66	0 00:24:28
C1-WETLAND	0.75	75.95	3.04	1.04	0.78	0.81	0 00:05:00
C2-WETLAND	0.73	82.63	3.04	1.45	1.06	0.74	0 00:27:24
C3-BYPASS	21.22	71.79	3.04	0.82	17.44	5.79	0 01:29:22
D	0.69	77.00	3.04	1.10	0.76	0.68	0 00:12:07
E	2.96	77.00	3.04	1.10	3.25	2.85	0 00:13:08

Node Summary

Element ID	Element Type	Invert Elevation (ft)
CB1	Junction	305.30
CB2	Junction	312.00
END-SECTION-C1	Junction	308.00
END-SECTION-C2	Junction	308.00
OUTLET-STR-A2	Junction	305.60
OUTLET-STR-C1	Junction	308.10
OUTLET-STR-C2	Junction	308.10
OUT-A	Outfall	298.00
OUT-B	Outfall	310.00
OUT-C	Outfall	298.00
OUT-D	Outfall	338.00
OUT-E	Outfall	298.00
DETENTION-A	Storage Node	309.50
FILTER-A2	Storage Node	308.00
WETLAND-C1	Storage Node	308.77
WETLAND-C2	Storage Node	308.77

Link Summary

Element ID	Element Type	From (Inlet) Node	To (Outlet) Node	Length	Inlet Invert Elevation	Outlet Invert Elevation	Average Slope	Diameter or Height	Manning's Roughness	Peak Flow	Design Flow Capacity	Peak Flow Velocity	Peak Flow Depth
				(ft)	(ft)	(ft)	(%)	(in)		(cfs)	(cfs)	(ft/sec)	(ft)
CULV-A	Pipe	CB1	OUT-A	98.00	305.30	305.12	0.1800	36.000	0.0150	7.21	24.77	3.04	1.11
CULV-A2-1	Pipe	CB2	FILTER-A2	104.00	312.00	310.00	1.9200	24.000	0.0150	7.91	27.19	7.52	0.74
CULV-A2-2	Pipe	OUTLET-STR-A2	CB1	43.00	305.60	305.30	0.7000	24.000	0.0150	5.34	16.38	4.66	0.79
CULV-C1	Pipe	OUTLET-STR-C1	END-SECTION-C1	30.00	308.10	308.00	0.3300	12.000	0.0130	0.02	2.06	0.81	0.07
CULV-C2	Pipe	OUTLET-STR-C2	END-SECTION-C2	30.00	308.10	308.00	0.3300	12.000	0.0130	0.02	2.06	0.83	0.07
WETLAND-CHANNEL-C1	Channel	END-SECTION-C1	OUT-C	2050.00	308.00	298.00	0.4900	6.000	0.0320	0.02	101.48	0.00	0.00
WETLAND-CHANNEL-C2	Channel	END-SECTION-C2	OUT-C	1712.00	308.00	298.00	0.5800	6.000	0.0320	0.02	111.05	0.00	0.00
BEEHIVE-GRATE	Orifice	DETENTION-A	CB1		309.50	305.30		18.167		0.00			
ORIF-A2	Orifice	FILTER-A2	OUTLET-STR-A2		308.00	305.60		6.000		5.34			
ORIF-C1	Orifice	WETLAND-C1	OUTLET-STR-C1		308.77	308.10		0.830		0.02			
ORIF-C2A	Orifice	WETLAND-C2	OUTLET-STR-C2		308.77	308.10		0.830		0.02			
ORIF-DET-A	Orifice	DETENTION-A	CB1		309.50	305.30		4.000		1.87			
SPILLWAY-A2	Weir	FILTER-A2	DETENTION-A		308.00	309.50				0.00			
SPILLWAY-C1	Weir	WETLAND-C1	END-SECTION-C1		308.77	308.00				0.00			
SPILLWAY-C2	Weir	WETLAND-C2	END-SECTION-C2		308.77	308.00				0.00			

Subbasin Hydrology

Subbasin : A1

Input Data

Area (ac) 12.28
Weighted Curve Number 73.16
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	4.58	D	77.00
> 75% grass cover, Good	0.68	C	74.00
Woods, Good	6.62	C	70.00
> 75% grass cover, Good	0.40	D	80.00
Composite Area & Weighted CN	12.28		73.16

Time of Concentration

TOC Method : SCS TR-55

Sheet Flow Equation :

Tc = (0.007 * ((n * Lf)^0.8)) / ((P^0.5) * (Sf^0.4))

Where :

Tc = Time of Concentration (hr)
n = Manning's roughness
Lf = Flow Length (ft)
P = 2 yr, 24 hr Rainfall (inches)
Sf = Slope (ft/ft)

Shallow Concentrated Flow Equation :

V = 16.1345 * (Sf^0.5) (unpaved surface)
V = 20.3282 * (Sf^0.5) (paved surface)
V = 15.0 * (Sf^0.5) (grassed waterway surface)
V = 10.0 * (Sf^0.5) (nearly bare & untilled surface)
V = 9.0 * (Sf^0.5) (cultivated straight rows surface)
V = 7.0 * (Sf^0.5) (short grass pasture surface)
V = 5.0 * (Sf^0.5) (woodland surface)
V = 2.5 * (Sf^0.5) (forest w/heavy litter surface)
Tc = (Lf / V) / (3600 sec/hr)

Where:

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)

Channel Flow Equation :

V = (1.49 * (R^(2/3)) * (Sf^0.5)) / n
R = Aq / Wp
Tc = (Lf / V) / (3600 sec/hr)

Where :

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
R = Hydraulic Radius (ft)
Aq = Flow Area (ft^2)
Wp = Wetted Perimeter (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)
n = Manning's roughness

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	2	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.05	0.00	0.00
Computed Flow Time (min) :	30.68	0.00	0.00

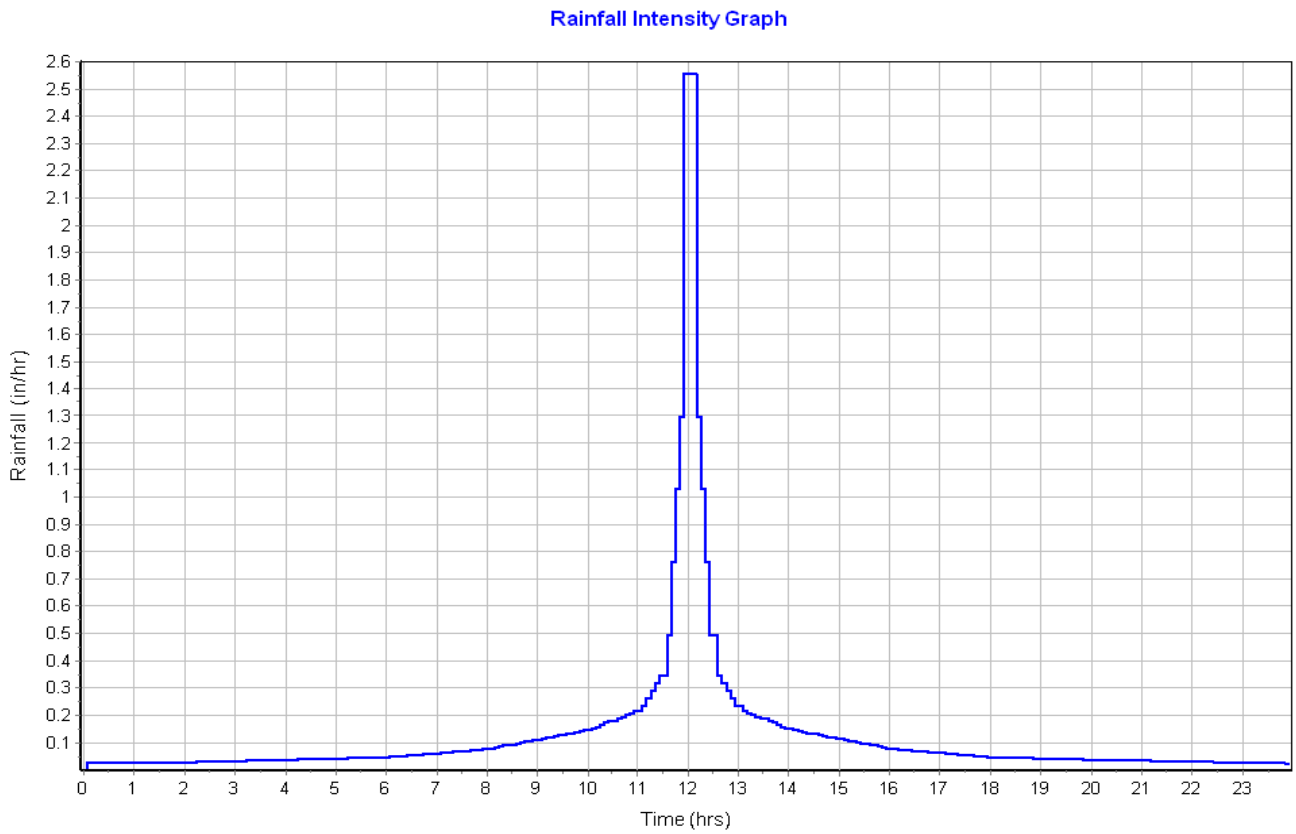
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	1510	0.00	0.00
Slope (%) :	.78	0.00	0.00
Surface Type :		Unpaved	Unpaved
Velocity (ft/sec) :	1.32	0.00	0.00
Computed Flow Time (min) :	19.07	0.00	0.00

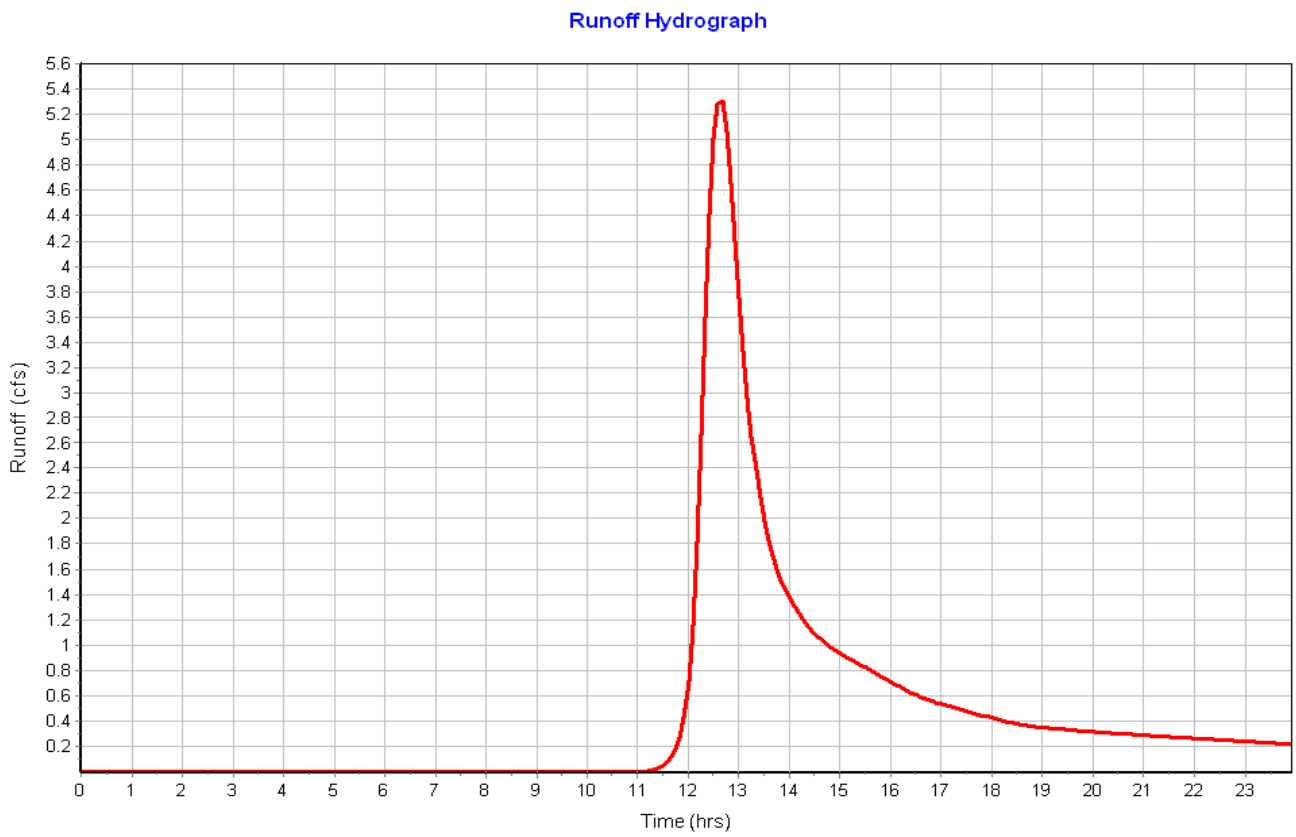
Total TOC (min) 49.74

Subbasin Runoff Results

Total Rainfall (in) 3.04
Total Runoff (in) 0.89
Peak Runoff (cfs) 5.33
Weighted Curve Number 73.16
Time of Concentration (days hh:mm:ss) 0 00:49:44

Subbasin : A1


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : A2

Input Data

Area (ac) 6.41
Weighted Curve Number 81.47
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.13	D	77.00
Roofs	1.77	D	98.00
> 75% grass cover, Good	1.87	D	80.00
Stone_Pad	1.80	D	60.00
Gravel roads	0.17	D	91.00
Pavement	0.67	D	98.00
Composite Area & Weighted CN	6.41		81.47

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	85	0.00	0.00
Slope (%) :	33.33	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.22	0.00	0.00
Computed Flow Time (min) :	6.32	0.00	0.00

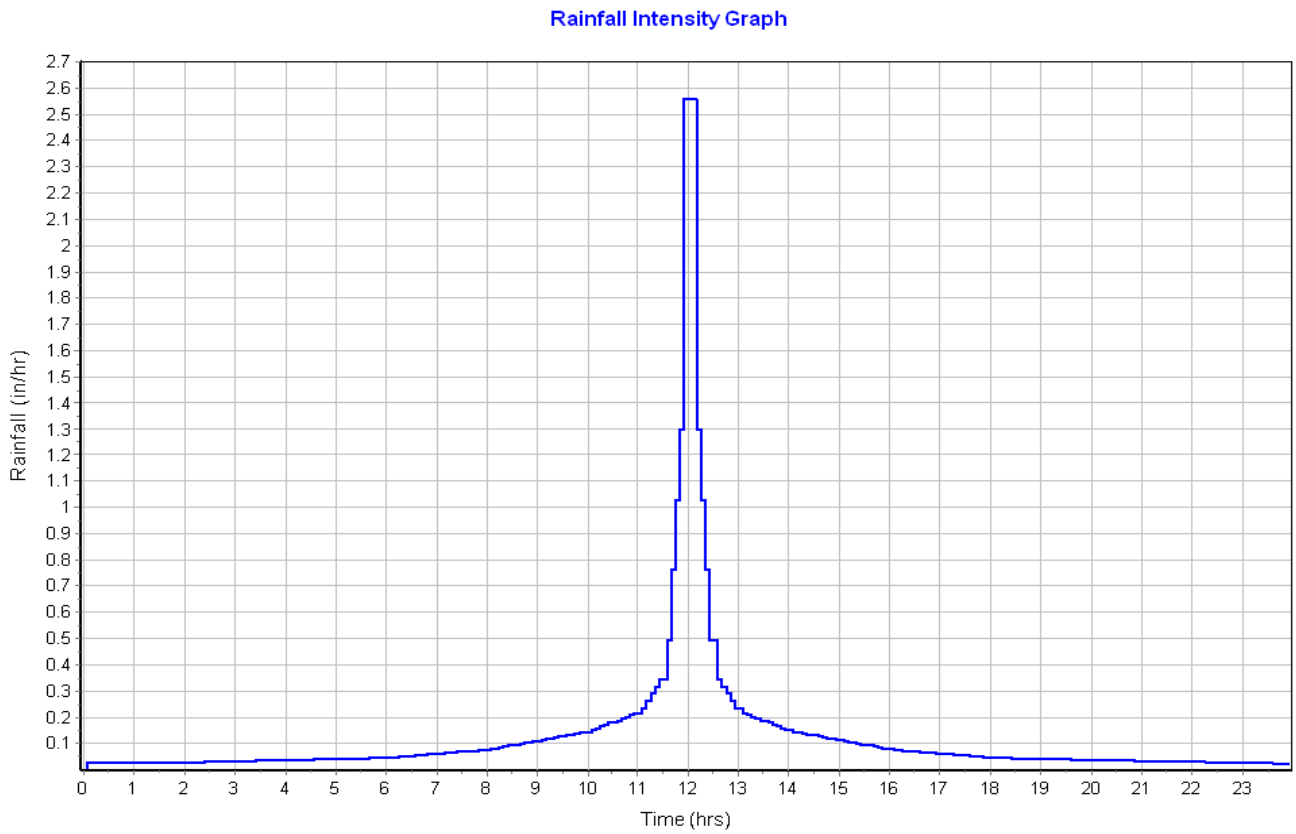
Channel Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.04	0.00	0.00
Flow Length (ft) :	1138	0.00	0.00
Channel Slope (%) :	1.4	0.00	0.00
Cross Section Area (ft²) :	4.398	0.00	0.00
Wetted Perimeter (ft) :	8.12	0.00	0.00
Velocity (ft/sec) :	2.93	0.00	0.00
Computed Flow Time (min) :	6.48	0.00	0.00

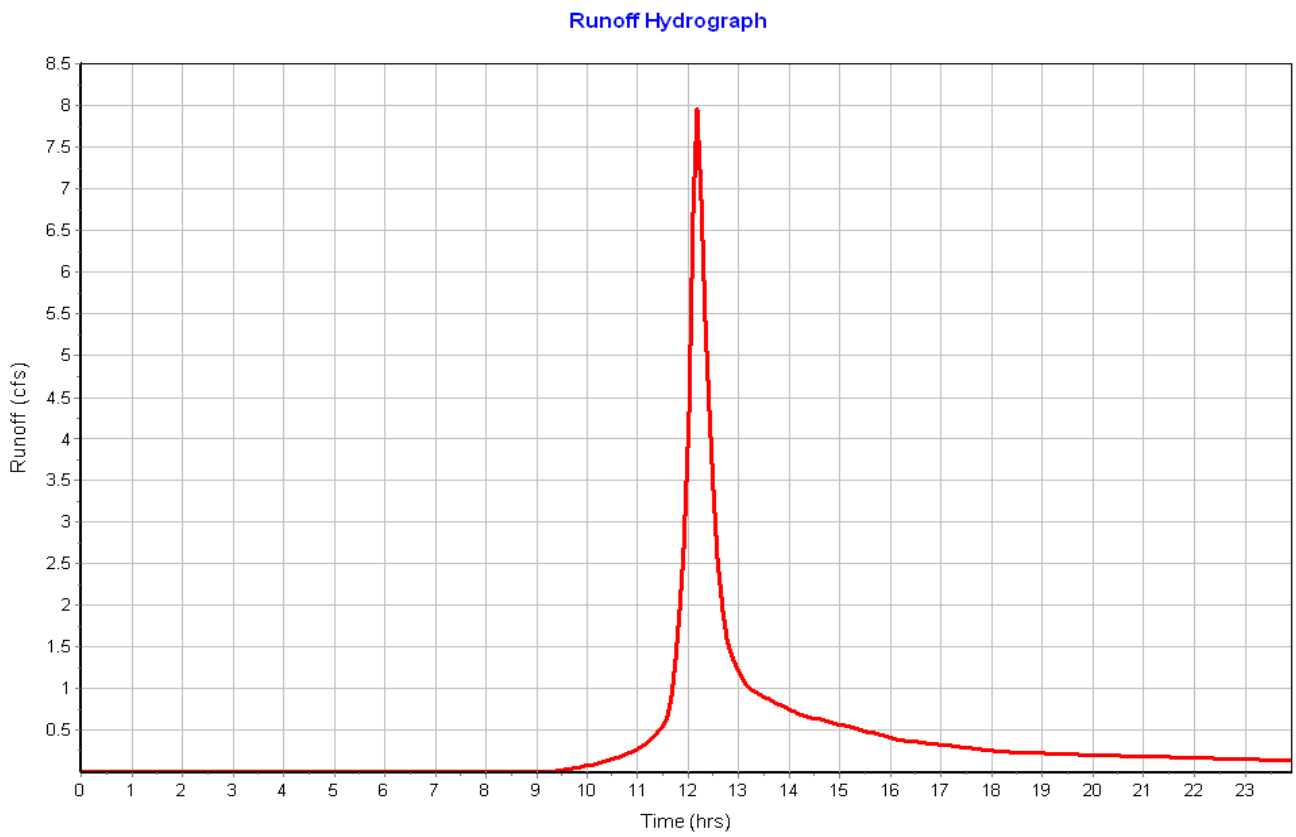
Total TOC (min) 12.80

Subbasin Runoff Results

Total Rainfall (in) 3.04
Total Runoff (in) 1.38
Peak Runoff (cfs) 7.96
Weighted Curve Number 81.47
Time of Concentration (days hh:mm:ss) 0 00:12:48

Subbasin : A2


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : A3

Input Data

Area (ac) 4.01
Weighted Curve Number 71.75
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
> 75% grass cover, Good	0.75	D	80.00
> 75% grass cover, Good	0.14	C	74.00
Stone_Pad	2.28	D	60.00
Roofs	0.19	D	98.00
Gravel roads	0.25	D	91.00
Pavement	0.35	D	98.00
Foundations	0.05	D	98.00
Composite Area & Weighted CN	4.01		71.75

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.01	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	2	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	1.44	0.00	0.00
Computed Flow Time (min) :	1.16	0.00	0.00

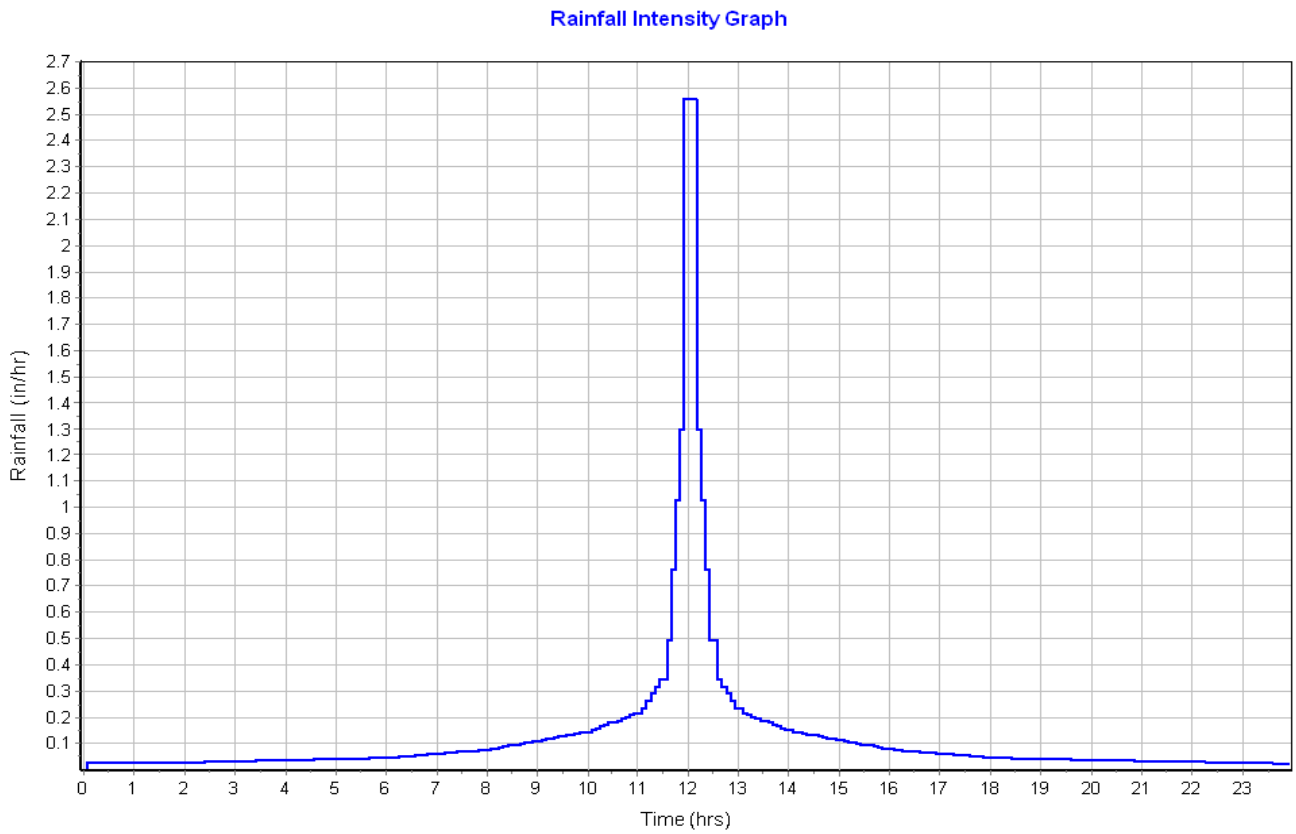
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	548	25	200
Slope (%) :	2	33.33	1.5
Surface Type :	Unpaved		
Velocity (ft/sec) :	2.28	4.04	0.86
Computed Flow Time (min) :	4.01	0.10	3.88

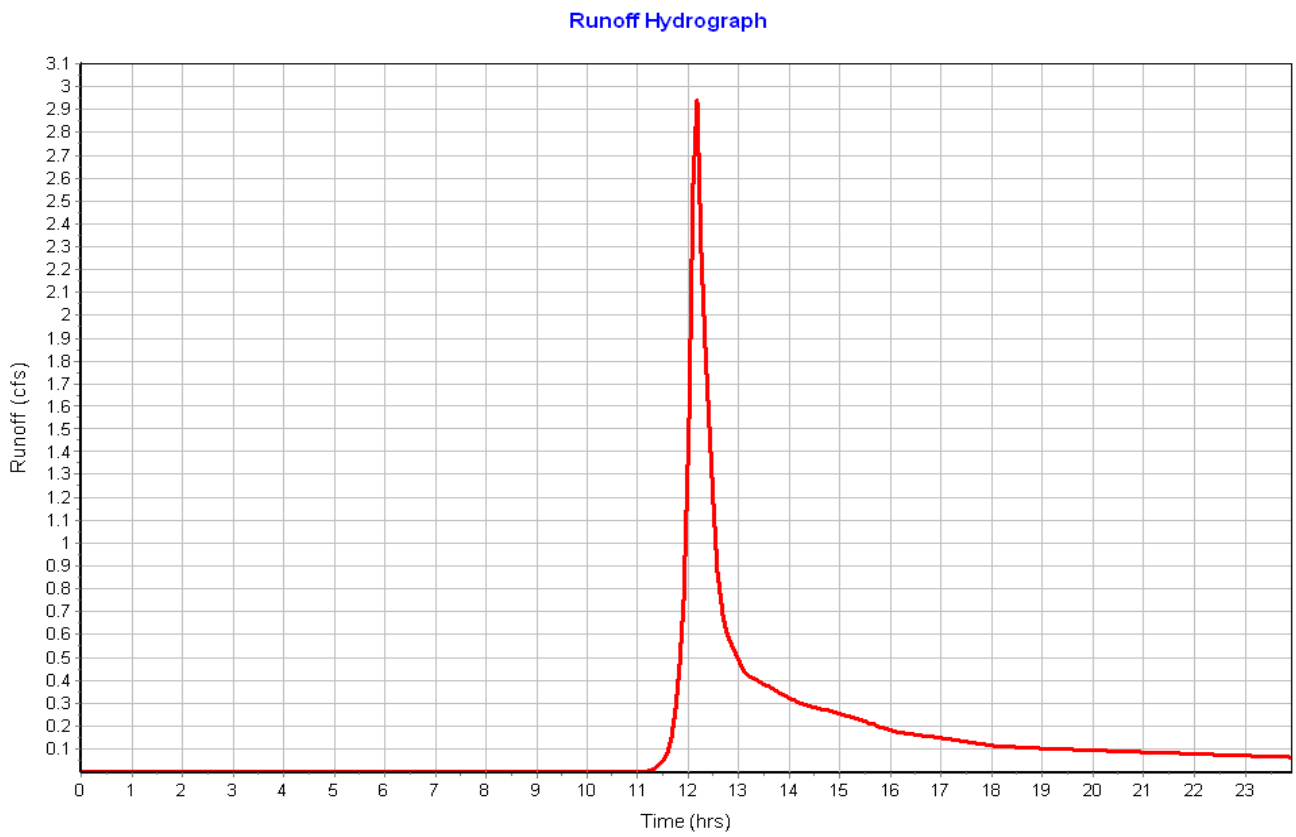
Total TOC (min) 9.14

Subbasin Runoff Results

Total Rainfall (in) 3.04
Total Runoff (in) 0.82
Peak Runoff (cfs) 2.99
Weighted Curve Number 71.75
Time of Concentration (days hh:mm:ss) 0 00:09:08

Subbasin : A3


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : B

Input Data

Area (ac) 5.14
Weighted Curve Number 75.65
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	1.20	C	70.00
Woods, Good	3.45	D	77.00
> 75% grass cover, Good	0.49	D	80.00
Composite Area & Weighted CN	5.14		75.65

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	90	0.00	0.00
Slope (%) :	33.33	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.23	0.00	0.00
Computed Flow Time (min) :	6.62	0.00	0.00

Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	368	0.00	0.00
Slope (%) :	1.63	0.00	0.00
Surface Type :		Unpaved	Unpaved
Velocity (ft/sec) :	1.92	0.00	0.00
Computed Flow Time (min) :	3.19	0.00	0.00

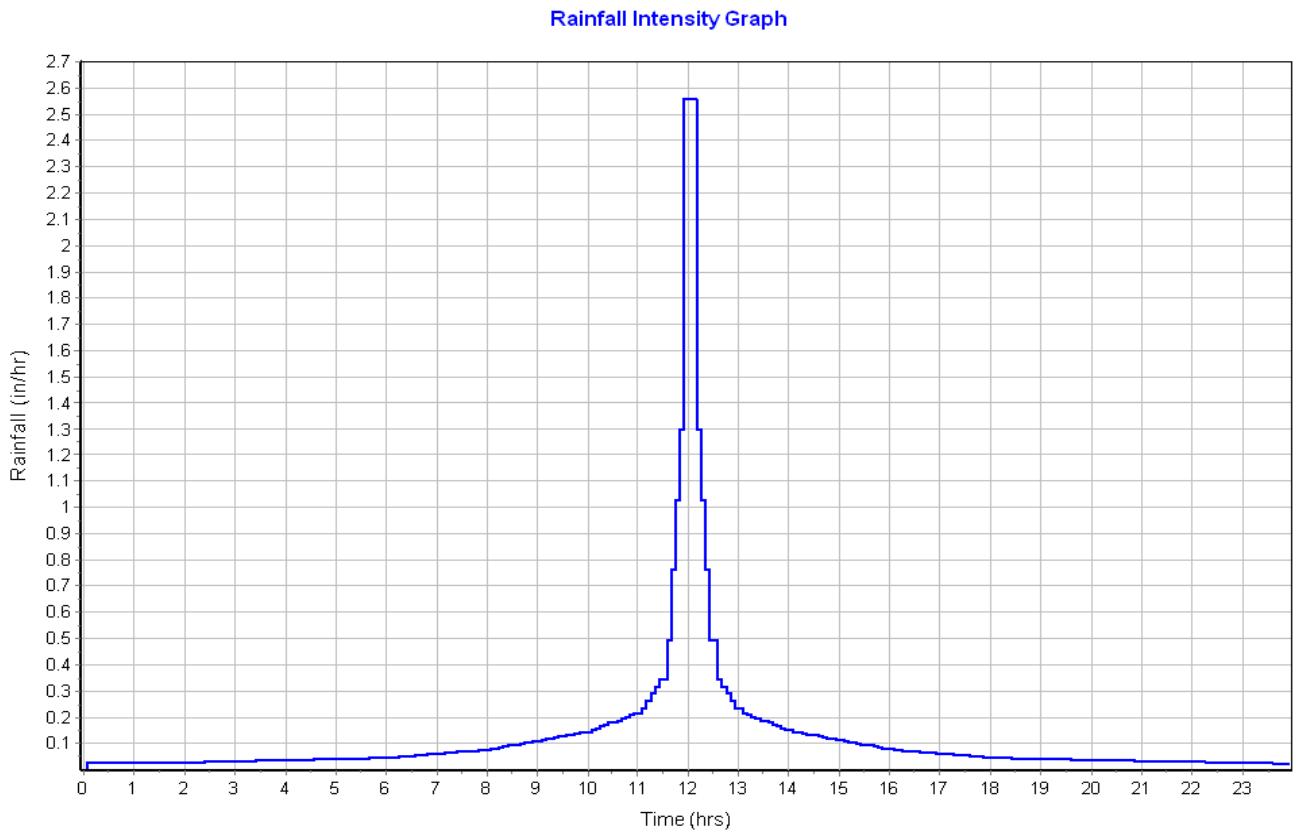
Channel Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.3	.3	0.00
Flow Length (ft) :	272	85	0.00
Channel Slope (%) :	1.4	16.7	0.00
Cross Section Area (ft^2) :	3.287	1.367	0.00
Wetted Perimeter (ft) :	7.17	5.15	0.00
Velocity (ft/sec) :	0.35	0.84	0.00
Computed Flow Time (min) :	12.97	1.69	0.00

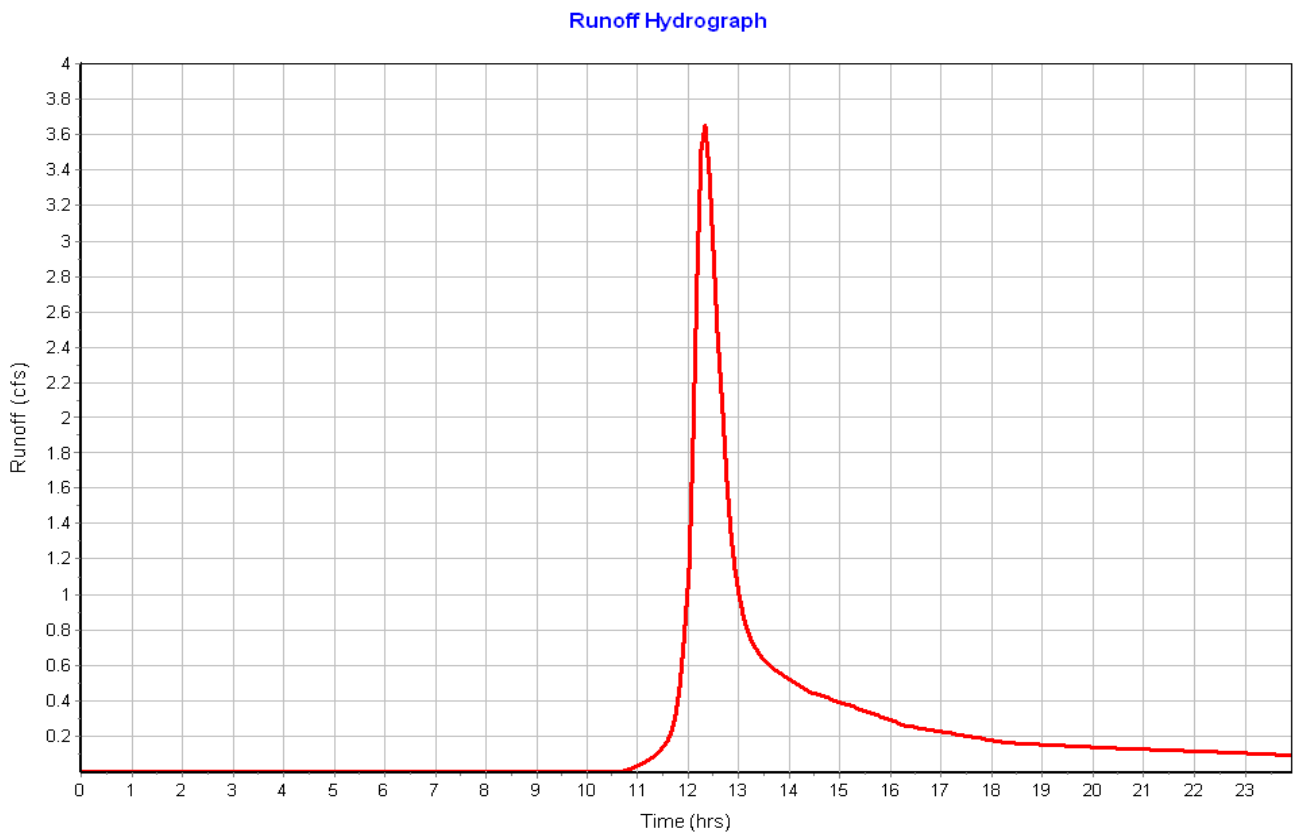
Total TOC (min) 24.48

Subbasin Runoff Results

Total Rainfall (in) 3.04
Total Runoff (in) 1.02
Peak Runoff (cfs) 3.66
Weighted Curve Number 75.65
Time of Concentration (days hh:mm:ss) 0 00:24:29

Subbasin : B


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : C1-WETLAND

Input Data

Area (ac) 0.75
Weighted Curve Number 75.95
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.12	D	77.00
> 75% grass cover, Good	0.04	A	39.00
> 75% grass cover, Good	0.05	D	80.00
> 75% grass cover, Good	0.34	C	74.00
Woods, Good	0.02	C	70.00
Gravel roads	0.04	A	76.00
Gravel roads	0.09	C	89.00
Gravel roads	0.05	D	91.00
Composite Area & Weighted CN	0.75		75.95

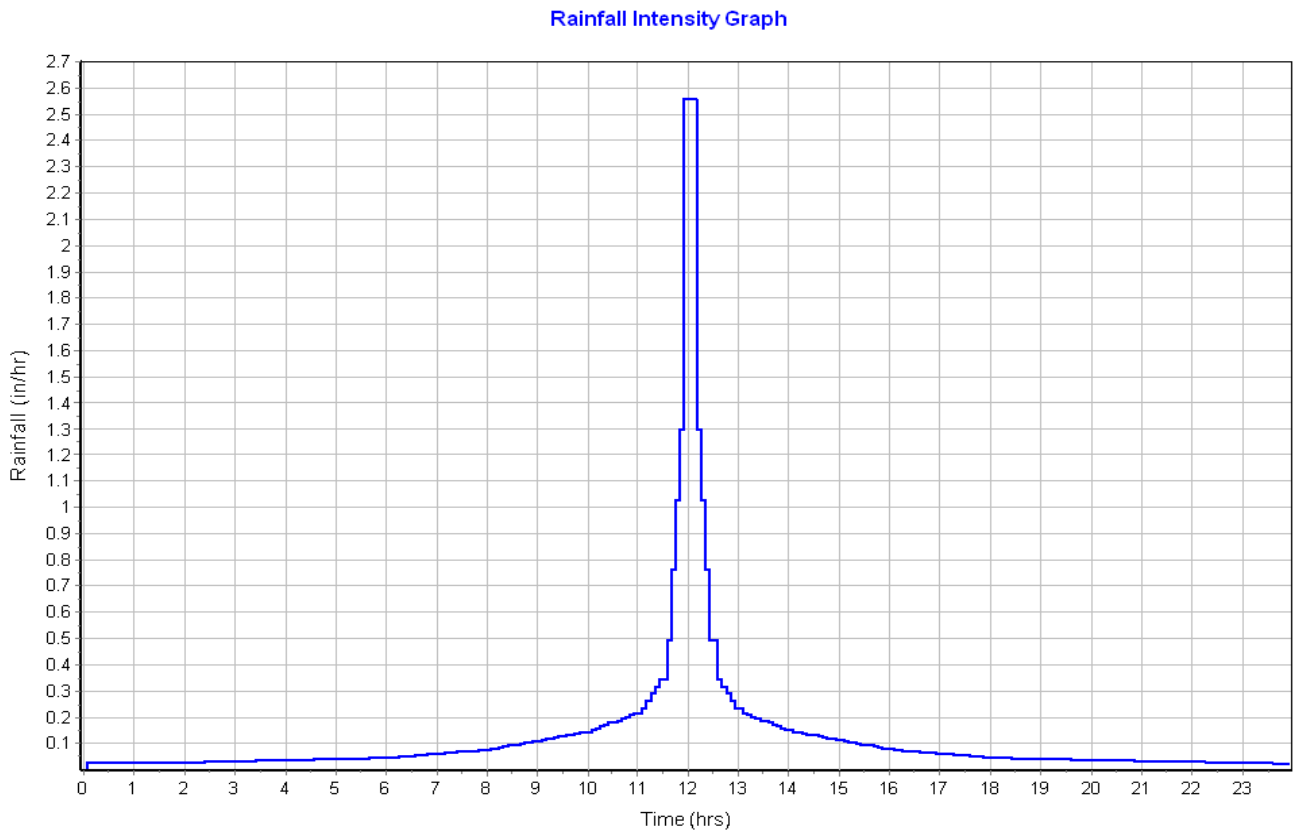
Time of Concentration

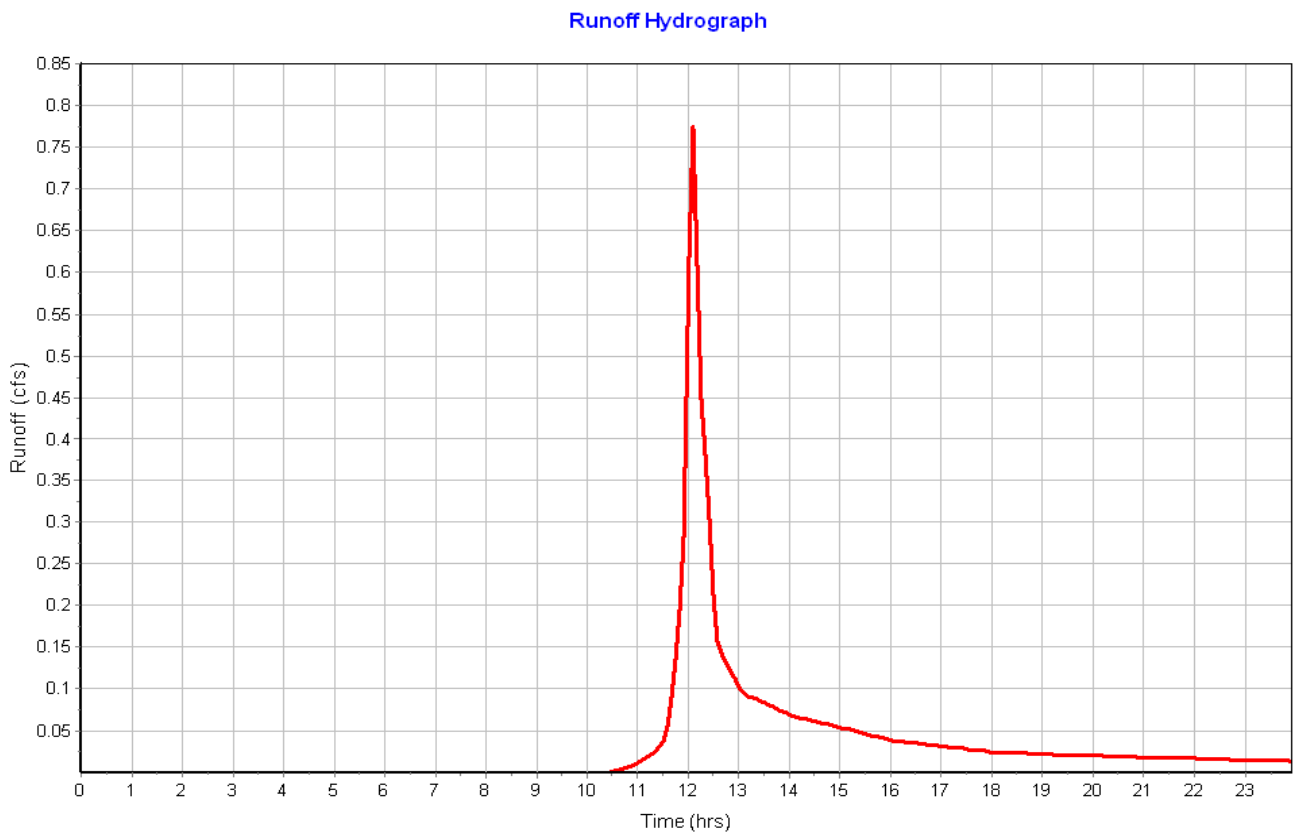
User-Defined TOC override (minutes): 5

Subbasin Runoff Results

Total Rainfall (in) 3.04
Total Runoff (in) 1.04
Peak Runoff (cfs) 0.81
Weighted Curve Number 75.95
Time of Concentration (days hh:mm:ss) 0 00:05:00

Subbasin : C1-WETLAND





Subbasin : C2-WETLAND

Input Data

Area (ac) 0.73
Weighted Curve Number 82.63
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
> 75% grass cover, Good	0.31	C	74.00
Gravel roads	0.42	C	89.00
Composite Area & Weighted CN	0.73		82.63

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.01	0.00	0.00
Flow Length (ft) :	44	0.00	0.00
Slope (%) :	2	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	1.22	0.00	0.00
Computed Flow Time (min) :	0.60	0.00	0.00

Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	636	0.00	0.00
Slope (%) :	1.6	0.00	0.00
Surface Type :	Grassed waterway	Unpaved	Unpaved
Velocity (ft/sec) :	1.90	0.00	0.00
Computed Flow Time (min) :	5.58	0.00	0.00

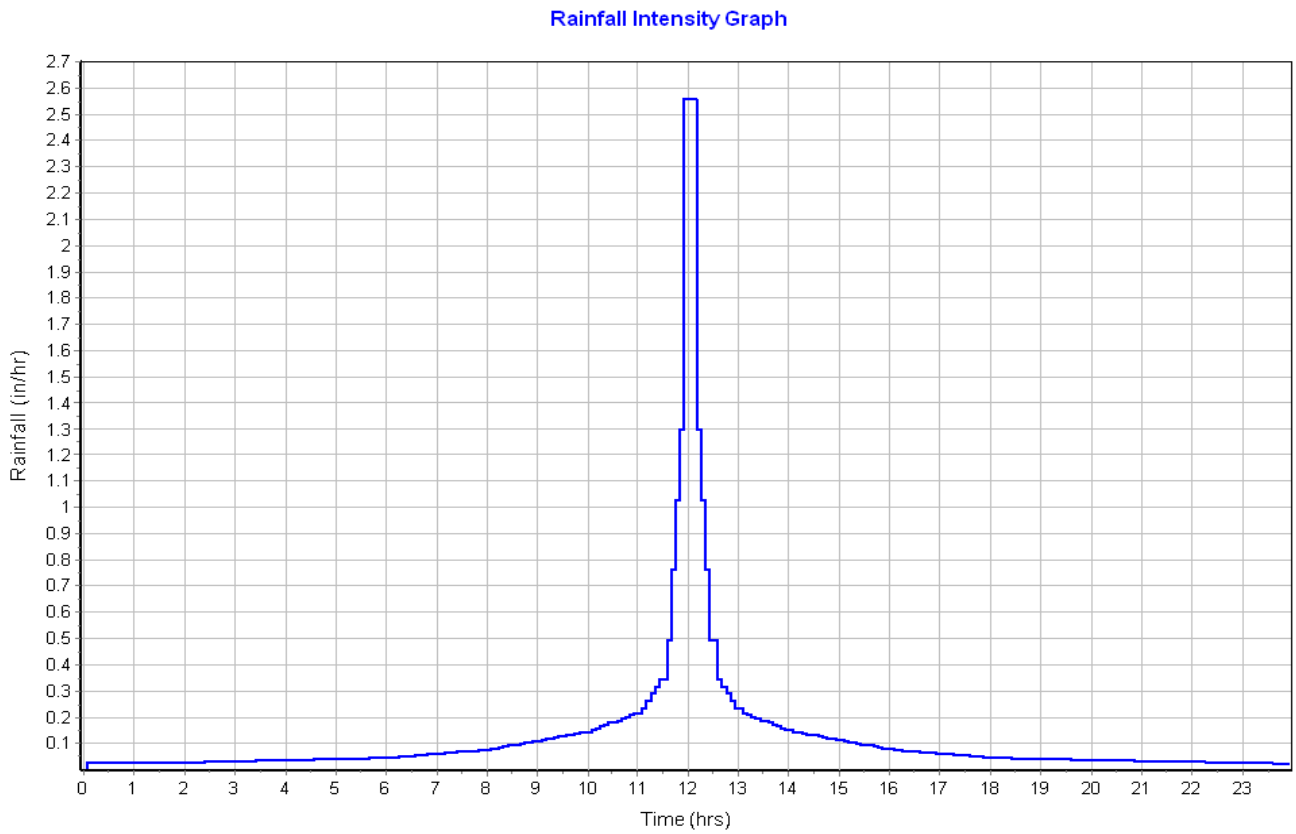
Channel Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.03	0.00	0.00
Flow Length (ft) :	2256	0.00	0.00
Channel Slope (%) :	.5	0.00	0.00
Cross Section Area (ft^2) :	2.475	0.00	0.00
Wetted Perimeter (ft) :	6.91	0.00	0.00
Velocity (ft/sec) :	1.77	0.00	0.00
Computed Flow Time (min) :	21.23	0.00	0.00

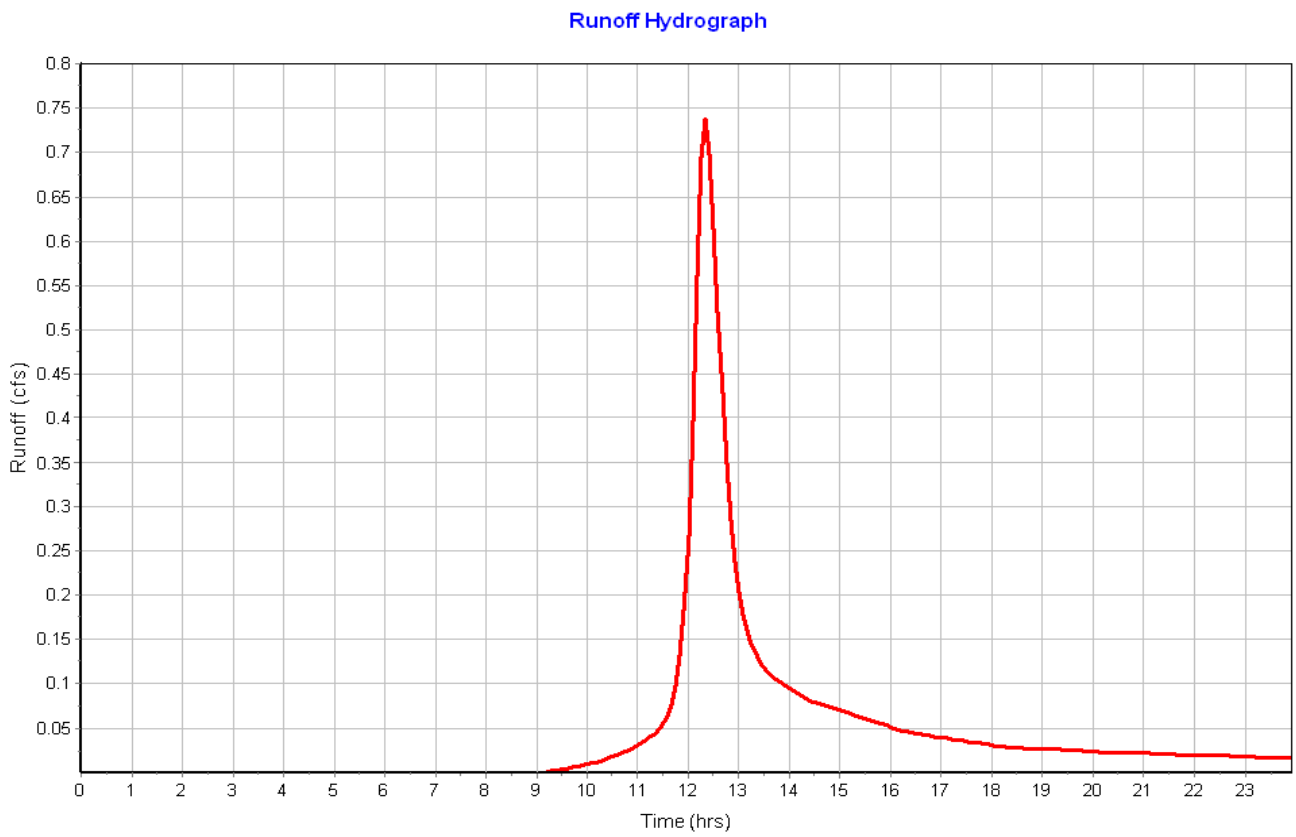
Total TOC (min) 27.41

Subbasin Runoff Results

Total Rainfall (in) 3.04
Total Runoff (in) 1.45
Peak Runoff (cfs) 0.74
Weighted Curve Number 82.63
Time of Concentration (days hh:mm:ss) 0 00:27:25

Subbasin : C2-WETLAND





Subbasin : C3-BYPASS

Input Data

Area (ac) 21.22
Weighted Curve Number 71.79
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
> 75% grass cover, Good	0.01	D	80.00
Woods, Good	12.33	C	70.00
Woods, Good	7.45	D	77.00
> 75% grass cover, Good	0.66	A	39.00
> 75% grass cover, Good	0.57	C	74.00
Gravel roads	0.20	C	89.00
Composite Area & Weighted CN	21.22		71.79

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	.47	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.03	0.00	0.00
Computed Flow Time (min) :	54.75	0.00	0.00

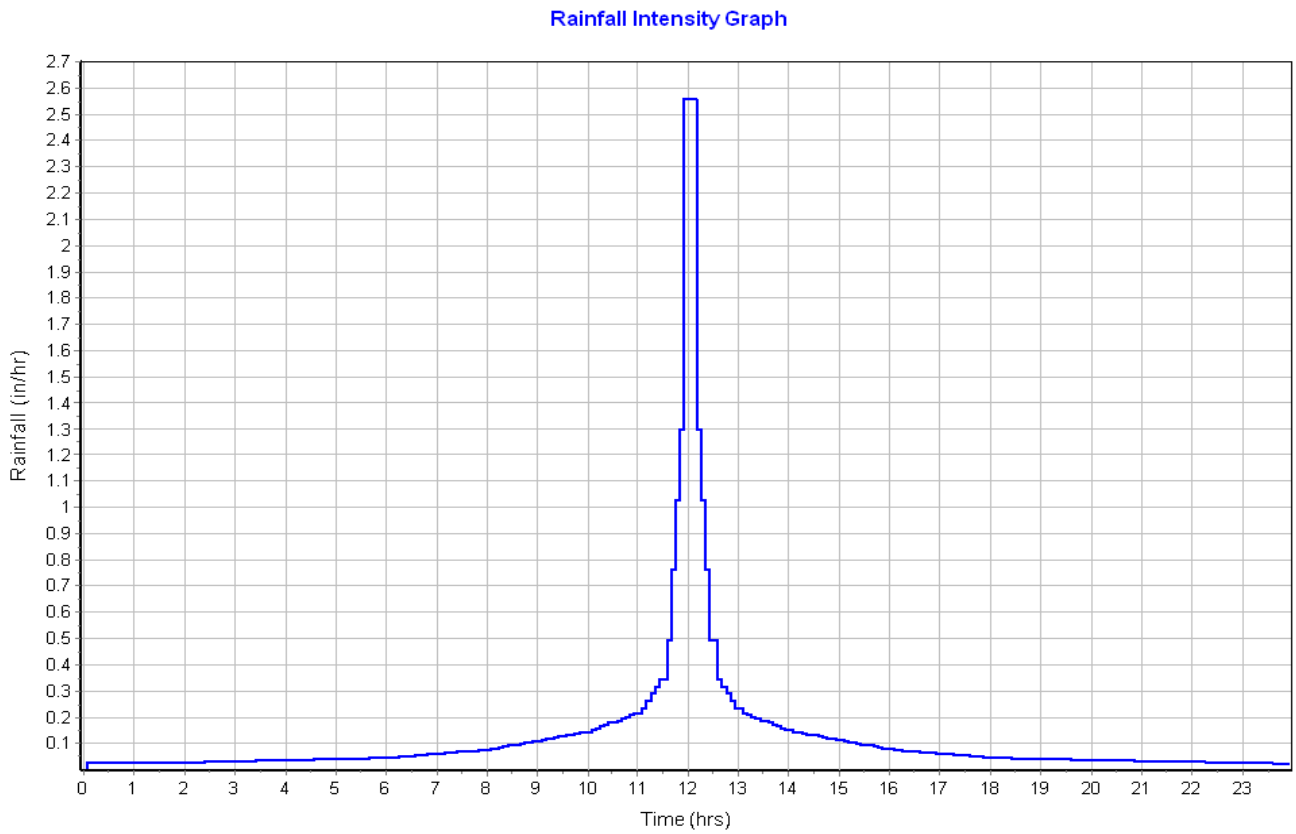
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	2140	0.00	0.00
Slope (%) :	.47	0.00	0.00
Surface Type :	Grassed waterway	Unpaved	Unpaved
Velocity (ft/sec) :	1.03	0.00	0.00
Computed Flow Time (min) :	34.63	0.00	0.00

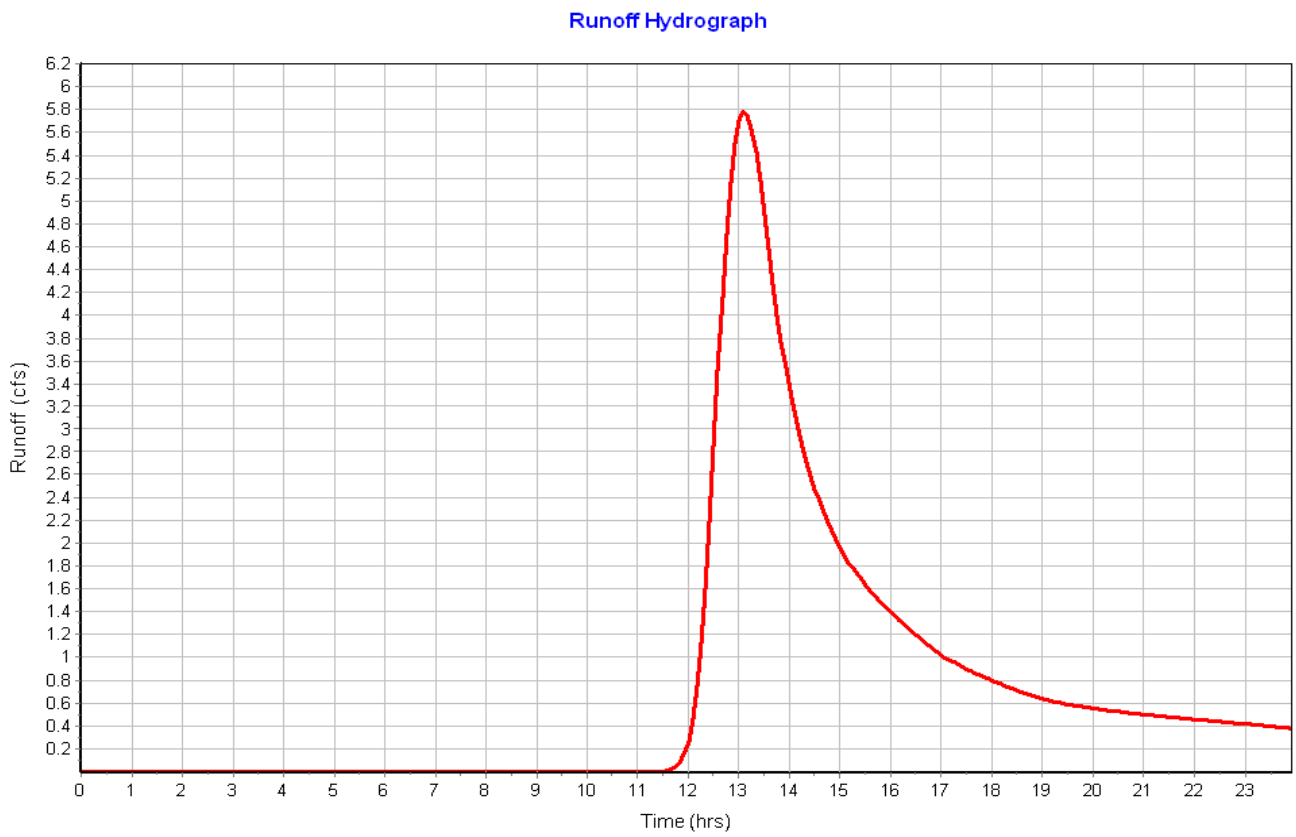
Total TOC (min) 89.38

Subbasin Runoff Results

Total Rainfall (in) 3.04
Total Runoff (in) 0.82
Peak Runoff (cfs) 5.79
Weighted Curve Number 71.79
Time of Concentration (days hh:mm:ss) 0 01:29:23

Subbasin : C3-BYPASS





Subbasin : D

Input Data

Area (ac) 0.69
Weighted Curve Number 77.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.74	D	77.00
Composite Area & Weighted CN	0.74		77.00

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	21	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.14	0.00	0.00
Computed Flow Time (min) :	11.98	0.00	0.00

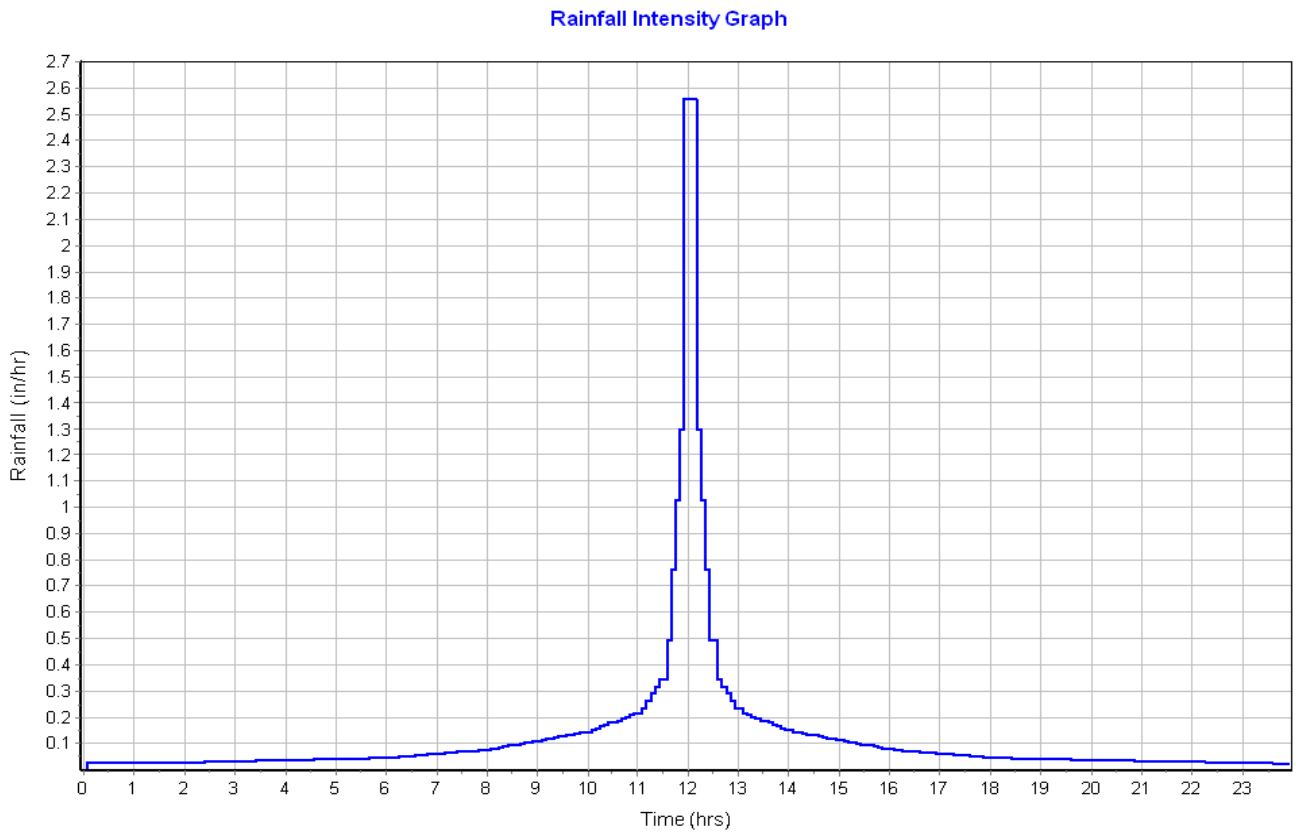
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	16	0.00	0.00
Slope (%) :	14.5	0.00	0.00
Surface Type :	Woodland	Unpaved	Unpaved
Velocity (ft/sec) :	1.90	0.00	0.00
Computed Flow Time (min) :	0.14	0.00	0.00

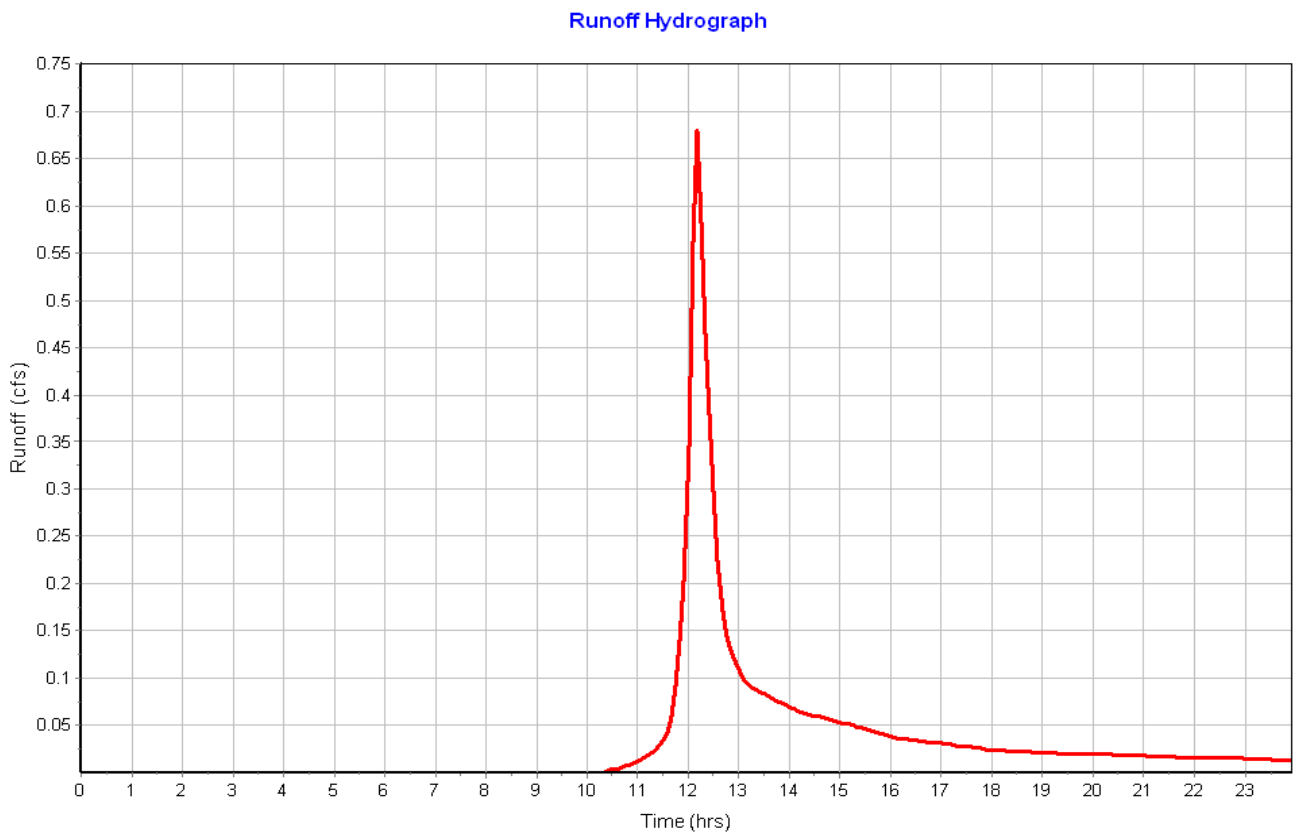
Total TOC (min) 12.12

Subbasin Runoff Results

Total Rainfall (in) 3.04
Total Runoff (in) 1.10
Peak Runoff (cfs) 0.68
Weighted Curve Number 77.00
Time of Concentration (days hh:mm:ss) 0 00:12:07

Subbasin : D


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : E

Input Data

Area (ac) 2.96
Weighted Curve Number 77.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	2.96	D	77.00
Composite Area & Weighted CN	2.96		77.00

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	24	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.15	0.00	0.00
Computed Flow Time (min) :	11.35	0.00	0.00

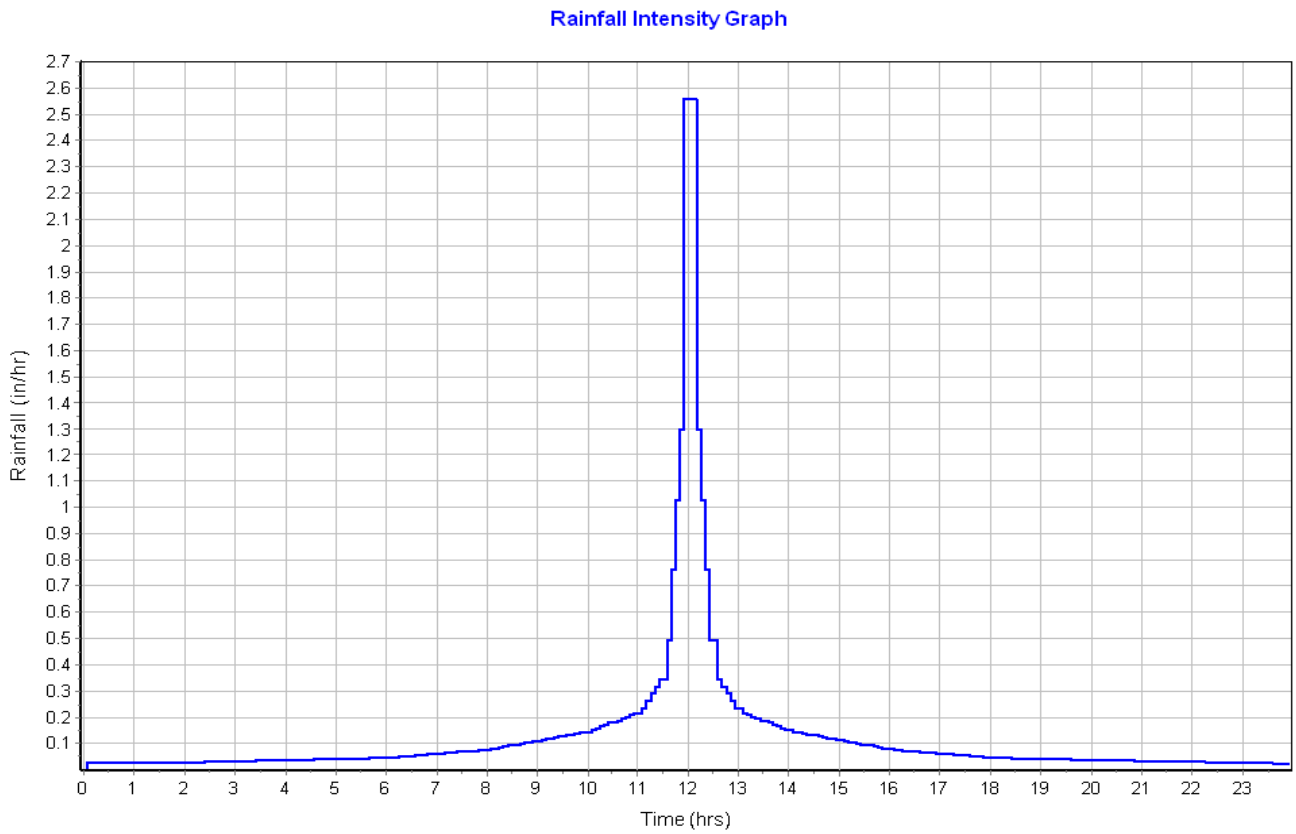
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	227	0.00	0.00
Slope (%) :	18	0.00	0.00
Surface Type :	Woodland	Unpaved	Unpaved
Velocity (ft/sec) :	2.12	0.00	0.00
Computed Flow Time (min) :	1.78	0.00	0.00

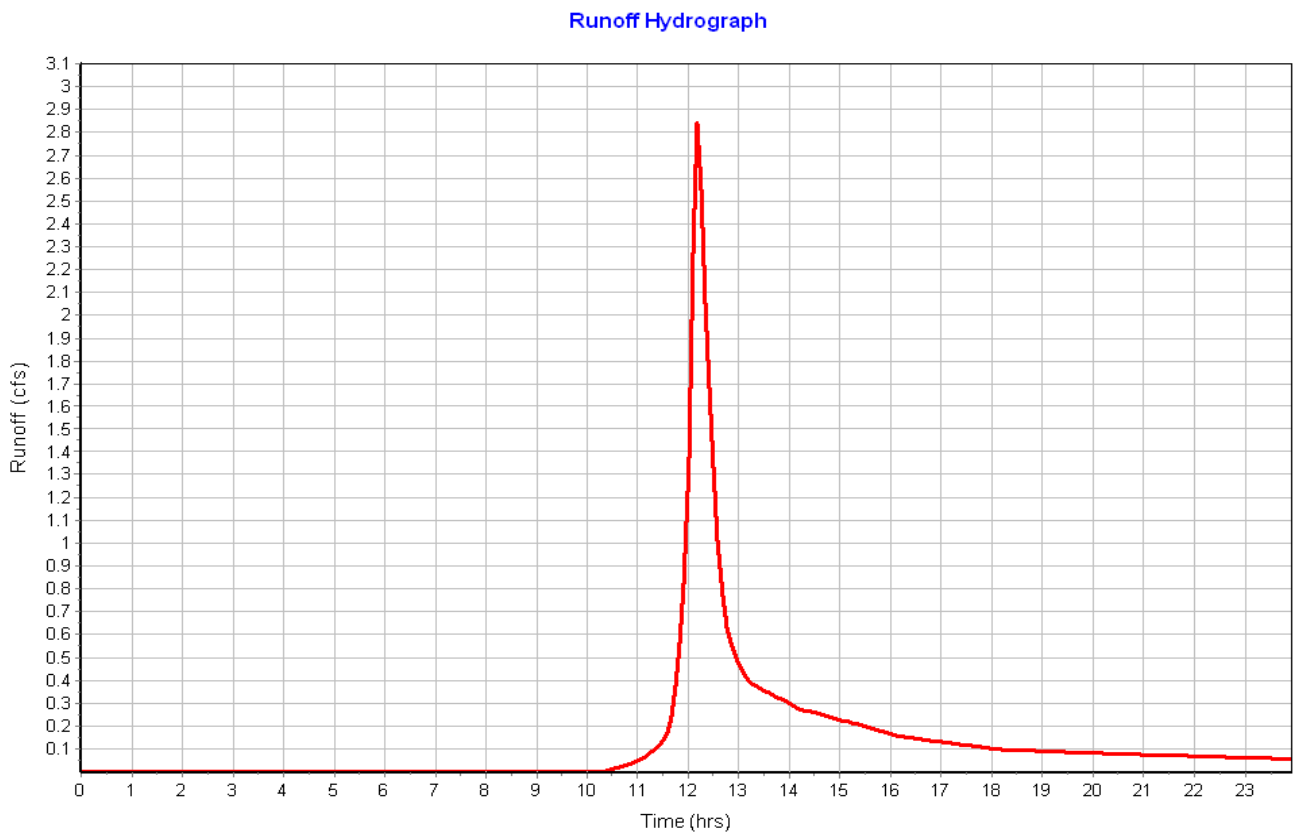
Total TOC (min) 13.14

Subbasin Runoff Results

Total Rainfall (in) 3.04
Total Runoff (in) 1.10
Peak Runoff (cfs) 2.85
Weighted Curve Number 77.00
Time of Concentration (days hh:mm:ss) 0 00:13:08

Subbasin : E


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Junction Input

Element ID	Invert Elevation (ft)	Ground/Rim (Max) Elevation (ft)
CB1	305.30	310.33
CB2	312.00	316.00
END-SECTION-C1	308.00	6.00
END-SECTION-C2	308.00	6.00
OUTLET-STR-A2	305.60	312.00
OUTLET-STR-C1	308.10	312.00
OUTLET-STR-C2	308.10	312.00

Junction Results

Element ID	Peak Inflow	Max HGL Elevation Attained	Max HGL Depth Attained	Min Freeboard Attained	Average HGL Elevation Attained	Time of Max HGL Occurrence
	(cfs)	(ft)	(ft)	(ft)	(ft)	(days hh:mm)
CB1	7.21	306.41	1.11	3.92	305.49	0 12:26
CB2	7.95	312.74	0.74	3.26	312.11	0 12:15
END-SECTION-C1	0.02	308.07	0.07	3.16	308.06	0 20:56
END-SECTION-C2	0.02	308.07	0.07	3.16	308.06	0 22:16
OUTLET-STR-A2	5.34	306.39	0.79	5.61	305.73	0 12:26
OUTLET-STR-C1	0.02	308.17	0.07	3.83	308.16	0 20:56
OUTLET-STR-C2	0.02	308.17	0.07	3.83	308.16	0 22:15

Pipe Input

Element ID	Length (ft)	Inlet Invert Elevation (ft)	Outlet Invert Elevation (ft)	Average Slope (%)	Pipe Shape	Pipe Diameter or Height (in)	Pipe Width (in)	Manning's Roughness
CULV-A	98.00	305.30	305.12	0.1800	CIRCULAR	36.000	36.000	0.0150
CULV-A2-1	104.00	312.00	310.00	1.9200	CIRCULAR	24.000	24.000	0.0150
CULV-A2-2	43.00	305.60	305.30	0.7000	CIRCULAR	24.000	24.000	0.0150
CULV-C1	30.00	308.10	308.00	0.3300	CIRCULAR	12.000	12.000	0.0130
CULV-C2	30.00	308.10	308.00	0.3300	CIRCULAR	12.000	12.000	0.0130

Pipe Results

Element ID	Peak Flow	Time of Peak Flow Occurrence	Design Flow Capacity	Peak Flow Velocity	Peak Flow Depth
	(cfs)	(days hh:mm)	(cfs)	(ft/sec)	(ft)
CULV-A	7.21	0 12:26	24.77	3.04	1.11
CULV-A2-1	7.91	0 12:15	27.19	7.52	0.74
CULV-A2-2	5.34	0 12:26	16.38	4.66	0.79
CULV-C1	0.02	0 20:56	2.06	0.81	0.07
CULV-C2	0.02	0 22:16	2.06	0.83	0.07

Storage Nodes

Storage Node : DETENTION-A

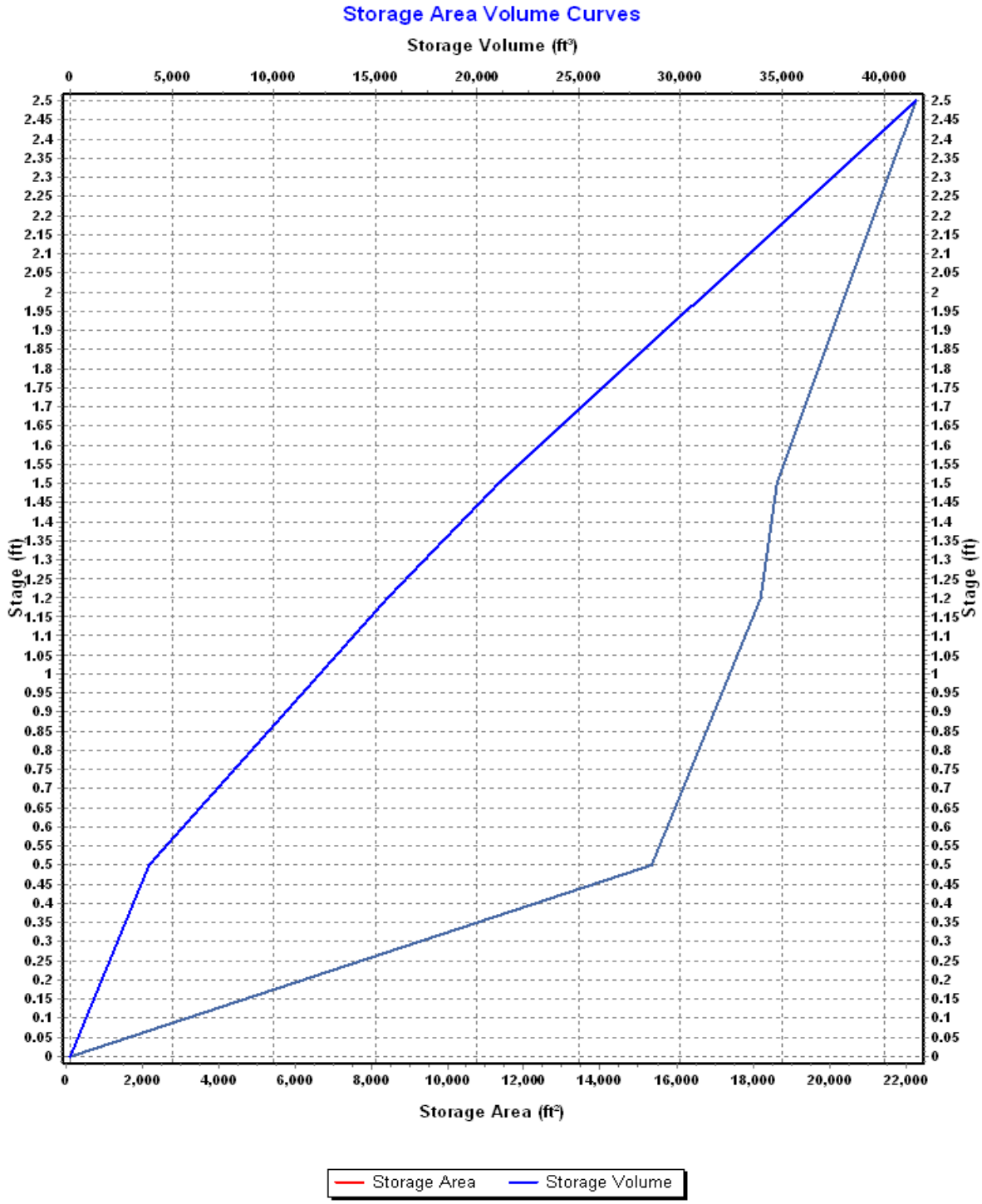
Input Data

Invert Elevation (ft) 309.50
Max (Rim) Elevation (ft) 312.00
Max (Rim) Offset (ft) 2.50
Initial Water Elevation (ft) 309.50
Initial Water Depth (ft) 0.00
Ponded Area (ft²) 0.00
Evaporation Loss 0.00

Storage Area Volume Curves

Storage Curve : Storage-08

Stage (ft)	Storage Area (ft²)	Storage Volume (ft³)
0	113	0.000
.5	15327	3860.00
1.2	18183.	15588.50
1.5	18635	21111.20
2.5	22257	41557.20


Storage Area Volume Curves
Storage Volume (ft³)
0
5,000
10,000
15,000
20,000
25,000
30,000
35,000
40,000
Stage (ft)
Storage Area (ft²)
0
2,000
4,000
6,000
8,000
10,000
12,000
14,000
16,000
18,000
20,000
22,000
Storage Area
Storage Volume

Storage Node : DETENTION-A (continued)

Outflow Orifices

Element ID	Orifice Type	Orifice Shape	Circular Orifice Diameter (in)	Rectangular Orifice Height (in)	Rectangular Orifice Width (in)	Orifice Invert Elevation (ft)	Orifice Coefficient
BEEHIVE-GRATE	Bottom	CIRCULAR	18.17			310.33	0.61
ORIF-DET-A	Side	Rectangular		4.00	36.00	309.50	0.63

Output Summary Results

Peak Inflow (cfs) 2.94
Peak Lateral Inflow (cfs) 2.94
Peak Outflow (cfs) 1.87
Peak Exfiltration Flow Rate (cfm) 0.00
Max HGL Elevation Attained (ft) 309.81
Max HGL Depth Attained (ft) 0.31
Average HGL Elevation Attained (ft) 309.54
Average HGL Depth Attained (ft) 0.04
Time of Max HGL Occurrence (days hh:mm) 0 12:25
Total Exfiltration Volume (1000-ft³) 0.000
Total Flooded Volume (ac-in) 0
Total Time Flooded (min) 0
Total Retention Time (sec) 0.00

Storage Node : FILTER-A2

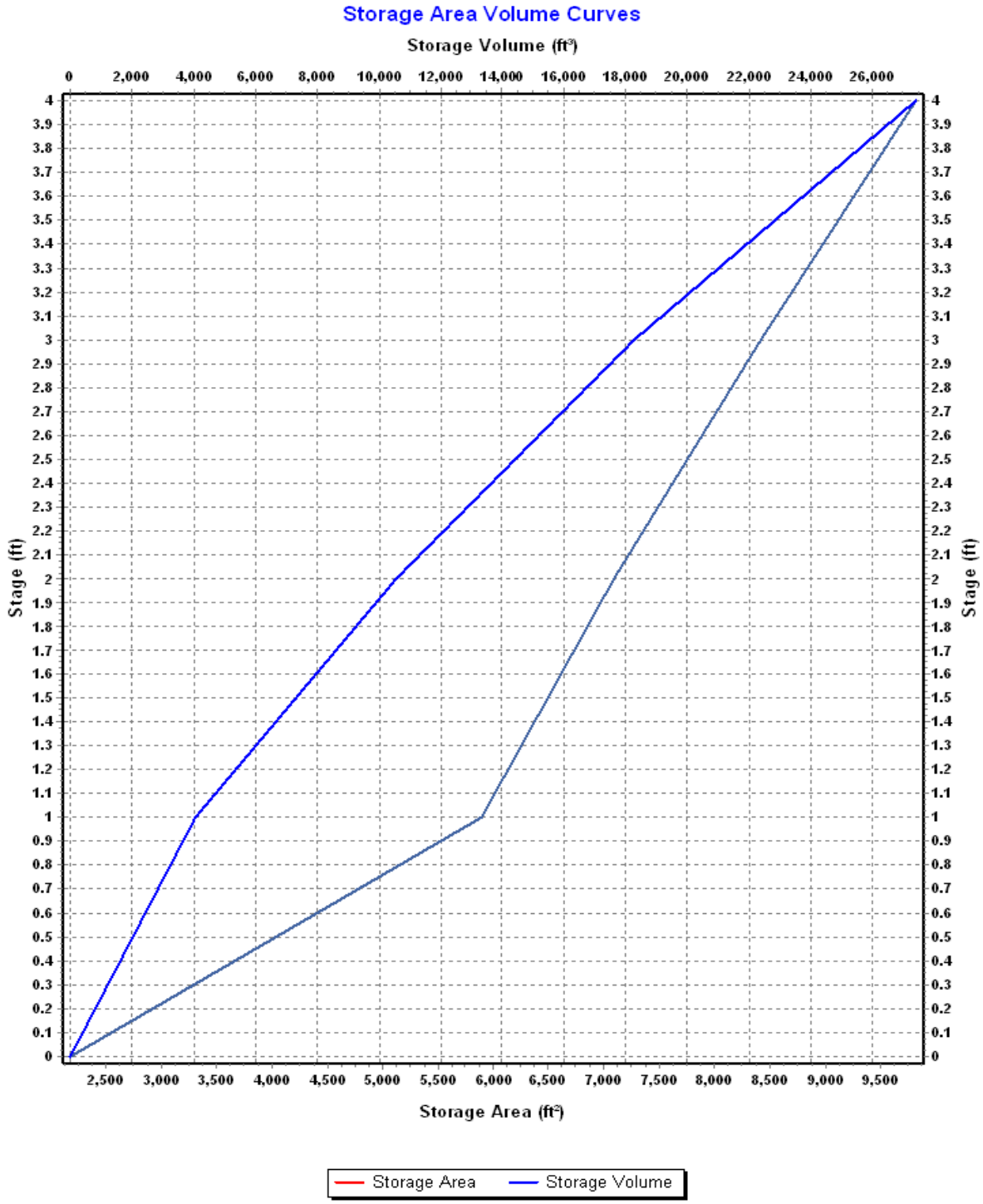
Input Data

Invert Elevation (ft)	308.00
Max (Rim) Elevation (ft)	312.00
Max (Rim) Offset (ft)	4.00
Initial Water Elevation (ft)	309.00
Initial Water Depth (ft)	1.00
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

Storage Area Volume Curves

Storage Curve : Storage-05

Stage (ft)	Storage Area (ft²)	Storage Volume (ft³)
0	2178	0.000
1	5898	4038.00
2	7084	10529.00
3	8421	18281.50
4	9818	27401.00


Storage Area Volume Curves
Storage Volume (ft³)
0
2,000
4,000
6,000
8,000
10,000
12,000
14,000
16,000
18,000
20,000
22,000
24,000
26,000
Stage (ft)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
2
2.1
2.2
2.3
2.4
2.5
2.6
2.7
2.8
2.9
3
3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
4
2,500
3,000
3,500
4,000
4,500
5,000
5,500
6,000
6,500
7,000
7,500
8,000
8,500
9,000
9,500
Storage Area (ft²)
Storage Area
Storage Volume

Storage Node : FILTER-A2 (continued)

Outflow Weirs

Element ID	Weir Type	Crest Elevation (ft)	Length (ft)	Weir Total Height (ft)	Discharge Coefficient
SPILLWAY-A2	Trapezoidal	310.70	55.00	1.30	3.10

Outflow Orifices

Element ID	Orifice Type	Orifice Shape	Circular Orifice Diameter (in)	Rectangular Orifice Height (in)	Rectangular Orifice Width (in)	Orifice Invert Elevation (ft)	Orifice Coefficient
ORIF-A2	Side	Rectangular		6.00	35.00	309.00	0.63

Output Summary Results

Peak Inflow (cfs)	7.91
Peak Lateral Inflow (cfs)	0.00
Peak Outflow (cfs)	5.34
Peak Exfiltration Flow Rate (cfm)	0.00
Max HGL Elevation Attained (ft)	309.78
Max HGL Depth Attained (ft)	1.78
Average HGL Elevation Attained (ft)	309.08
Average HGL Depth Attained (ft)	1.08
Time of Max HGL Occurrence (days hh:mm)	0 12:26
Total Exfiltration Volume (1000-ft³)	0.000
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	0
Total Retention Time (sec)	0.00

Storage Node : WETLAND-C1

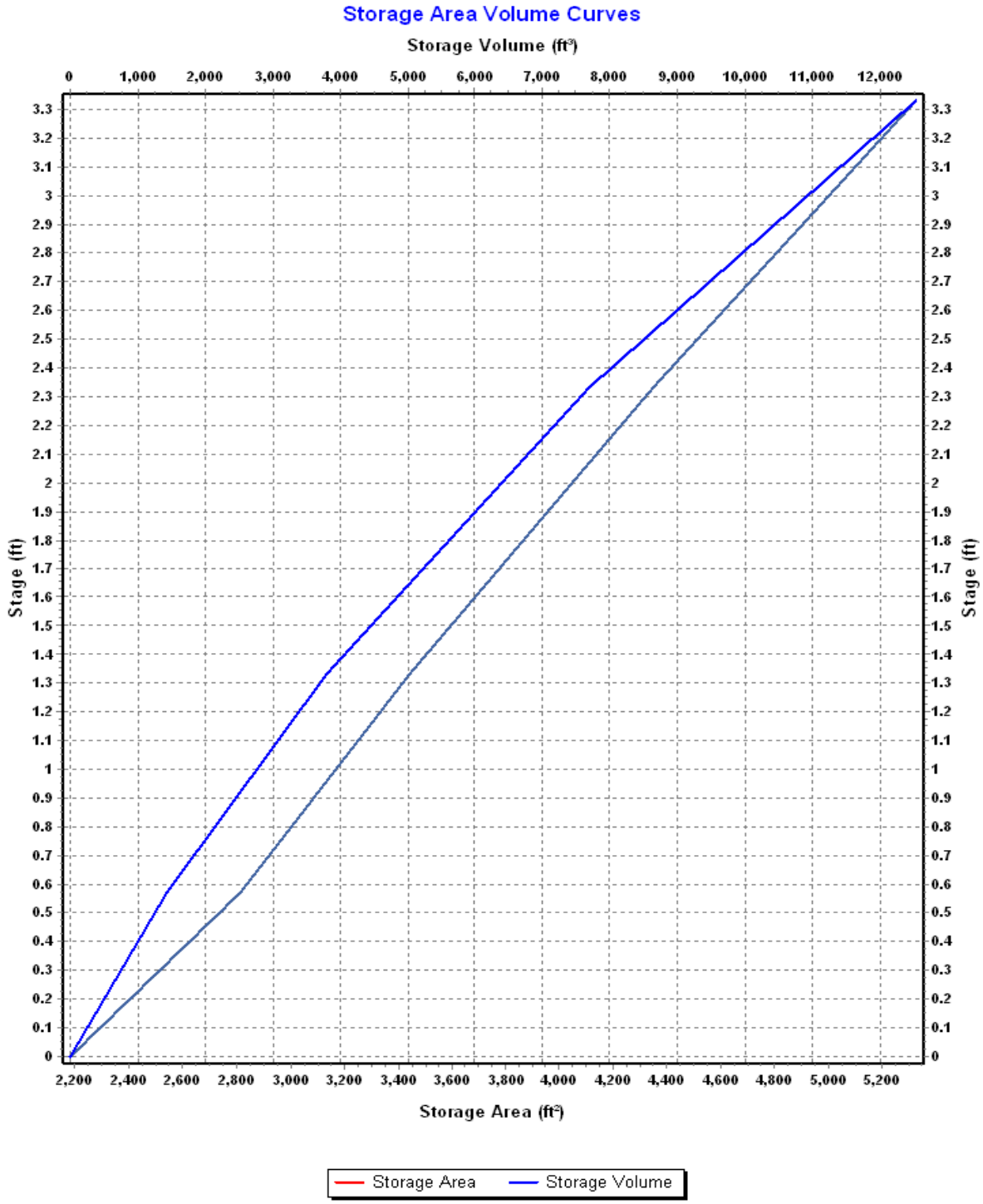
Input Data

Invert Elevation (ft) 308.77
Max (Rim) Elevation (ft) 312.00
Max (Rim) Offset (ft) 3.23
Initial Water Elevation (ft) 309.33
Initial Water Depth (ft) 0.56
Ponded Area (ft²) 0.00
Evaporation Loss 0.00

Storage Area Volume Curves

Storage Curve : Storage-09

Stage (ft)	Storage Area (ft²)	Storage Volume (ft³)
0	2183	0.000
.57	2815	1424.43
1.33	3441	3801.71
2.33	4347	7695.71
3.33	5324	12531.21


Storage Area Volume Curves
Storage Volume (ft³)
0
1,000
2,000
3,000
4,000
5,000
6,000
7,000
8,000
9,000
10,000
11,000
12,000
Stage (ft)
3.3
3.2
3.1
3
2.9
2.8
2.7
2.6
2.5
2.4
2.3
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2,200
2,400
2,600
2,800
3,000
3,200
3,400
3,600
3,800
4,000
4,200
4,400
4,600
4,800
5,000
5,200
Storage Area (ft²)
Storage Area
Storage Volume

Storage Node : WETLAND-C1 (continued)

Outflow Weirs

Element ID	Weir Type	Crest Elevation (ft)	Length (ft)	Weir Total Height (ft)	Discharge Coefficient
SPILLWAY-C1	Trapezoidal	310.70	10.00	1.30	3.33

Outflow Orifices

Element ID	Orifice Type	Orifice Shape	Circular Orifice Diameter (in)	Rectangular Orifice Height (in)	Rectangular Orifice Width (in)	Orifice Invert Elevation (ft)	Orifice Coefficient
ORIF-C1	Side	CIRCULAR	0.83			308.10	0.61

Output Summary Results

Peak Inflow (cfs)	0.77
Peak Lateral Inflow (cfs)	0.77
Peak Outflow (cfs)	0.02
Peak Exfiltration Flow Rate (cfm)	0.00
Max HGL Elevation Attained (ft)	309.84
Max HGL Depth Attained (ft)	1.07
Average HGL Elevation Attained (ft)	309.51
Average HGL Depth Attained (ft)	0.74
Time of Max HGL Occurrence (days hh:mm)	0 20:56
Total Exfiltration Volume (1000-ft³)	0.000
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	0
Total Retention Time (sec)	0.00

Storage Node : WETLAND-C2

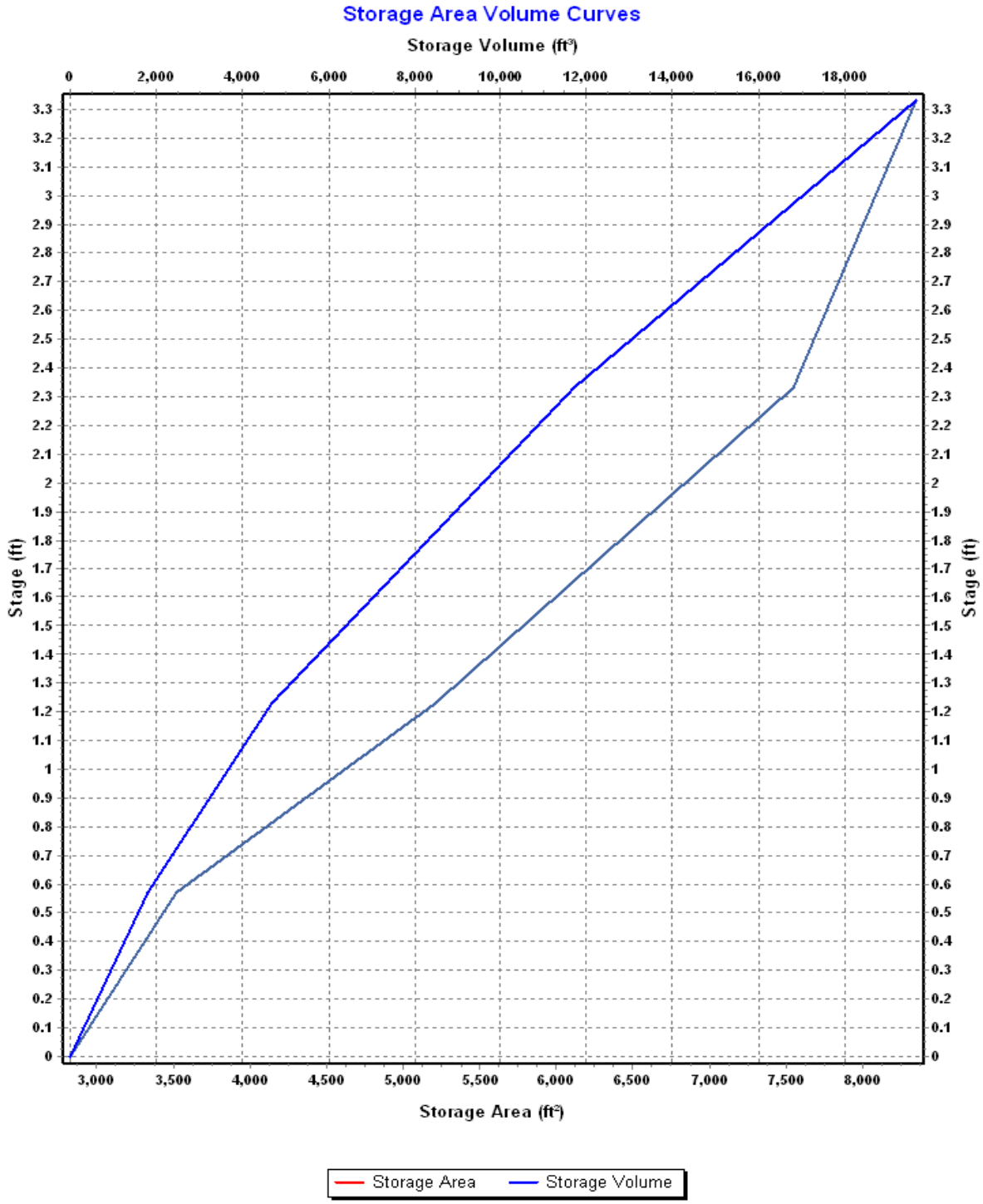
Input Data

Invert Elevation (ft)	308.77
Max (Rim) Elevation (ft)	312.00
Max (Rim) Offset (ft)	3.23
Initial Water Elevation (ft)	309.42
Initial Water Depth (ft)	0.65
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

Storage Area Volume Curves

Storage Curve : Storage-07

Stage (ft)	Storage Area (ft²)	Storage Volume (ft³)
0	2828	0.000
.57	3522	1809.75
1.23	5207	4690.32
2.33	7549	11706.12
3.33	8345	19653.12


Storage Area Volume Curves
Storage Volume (ft³)
0
2,000
4,000
6,000
8,000
10,000
12,000
14,000
16,000
18,000
Stage (ft)
3.3
3.2
3.1
3
2.9
2.8
2.7
2.6
2.5
2.4
2.3
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
3,000
3,500
4,000
4,500
5,000
5,500
6,000
6,500
7,000
7,500
8,000
Storage Area (ft²)
Storage Area
Storage Volume

Storage Node : WETLAND-C2 (continued)

Outflow Weirs

Element ID	Weir Type	Crest Elevation (ft)	Length (ft)	Weir Total Height (ft)	Discharge Coefficient
SPILLWAY-C2	Trapezoidal	310.80	10.00	1.20	3.10

Outflow Orifices

Element ID	Orifice Type	Orifice Shape	Circular Orifice Diameter (in)	Rectangular Orifice Height (in)	Rectangular Orifice Width (in)	Orifice Invert Elevation (ft)	Orifice Coefficient
ORIF-C2A	Side	CIRCULAR	0.83			308.10	0.61

Output Summary Results

Peak Inflow (cfs)	0.74
Peak Lateral Inflow (cfs)	0.74
Peak Outflow (cfs)	0.02
Peak Exfiltration Flow Rate (cfm)	0.00
Max HGL Elevation Attained (ft)	309.97
Max HGL Depth Attained (ft)	1.2
Average HGL Elevation Attained (ft)	309.62
Average HGL Depth Attained (ft)	0.85
Time of Max HGL Occurrence (days hh:mm)	0 22:15
Total Exfiltration Volume (1000-ft³)	0.000
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	0
Total Retention Time (sec)	0.00

Project Description

File Name ..... Proposed Conditions 7-2-18.SPF

Project Options

Flow Units ..... CFS
Elevation Type ..... Elevation
Hydrology Method ..... SCS TR-55
Time of Concentration (TOC) Method ..... SCS TR-55
Link Routing Method ..... Kinematic Wave
Enable Overflow Ponding at Nodes ..... YES
Skip Steady State Analysis Time Periods ..... NO

Analysis Options

Start Analysis On ..... Jul 13, 2017 00:00:00
End Analysis On ..... Jul 14, 2017 00:00:00
Start Reporting On ..... Jul 13, 2017 00:00:00
Antecedent Dry Days ..... 0 days
Runoff (Dry Weather) Time Step ..... 0 01:00:00 days hh:mm:ss
Runoff (Wet Weather) Time Step ..... 0 00:05:00 days hh:mm:ss
Reporting Time Step ..... 0 00:05:00 days hh:mm:ss
Routing Time Step ..... 30 seconds

Number of Elements

	Qty
Rain Gages	1
Subbasins	9
Nodes	16
Junctions	7
Outfalls	5
Flow Diversions	0
Inlets	0
Storage Nodes	4
Links	15
Channels	2
Pipes	5
Pumps	0
Orifices	5
Weirs	3
Outlets	0
Pollutants	0
Land Uses	0

Rainfall Details

SN	Rain Gage ID	Data Source	Data Source ID	Rainfall Type	Rain Units	State	County	Return Period (years)	Rainfall Depth (inches)	Rainfall Distribution
1	Rain Gage-01	Time Series	TS-10	Cumulative	inches	Maine	Androscoggin	10	4.55	SCS Type III 24-hr

Subbasin Summary

Subbasin ID	Area (ac)	Weighted Curve Number	Total Rainfall (in)	Total Runoff (in)	Total Runoff Volume (ac-in)	Peak Runoff (cfs)	Time of Concentration (days hh:mm:ss)
A1	12.28	73.16	4.55	1.95	23.90	12.43	0 00:49:44
A2	6.41	81.47	4.55	2.63	16.88	15.32	0 00:12:48
A3	4.01	71.75	4.55	1.84	7.37	7.15	0 00:09:08
B	5.14	75.65	4.55	2.14	11.01	8.01	0 00:24:28
C1-WETLAND	0.75	75.95	4.55	2.17	1.62	1.70	0 00:05:00
C2-WETLAND	0.73	82.63	4.55	2.74	2.00	1.40	0 00:27:24
C3-BYPASS	21.22	71.79	4.55	1.84	39.09	14.12	0 01:29:22
D	0.69	77.00	4.55	2.25	1.55	1.43	0 00:12:07
E	2.96	77.00	4.55	2.25	6.66	6.01	0 00:13:08

Node Summary

Element ID	Element Type	Invert Elevation (ft)
CB1	Junction	305.30
CB2	Junction	312.00
END-SECTION-C1	Junction	308.00
END-SECTION-C2	Junction	308.00
OUTLET-STR-A2	Junction	305.60
OUTLET-STR-C1	Junction	308.10
OUTLET-STR-C2	Junction	308.10
OUT-A	Outfall	298.00
OUT-B	Outfall	310.00
OUT-C	Outfall	298.00
OUT-D	Outfall	338.00
OUT-E	Outfall	298.00
DETENTION-A	Storage Node	309.50
FILTER-A2	Storage Node	308.00
WETLAND-C1	Storage Node	308.77
WETLAND-C2	Storage Node	308.77

Link Summary

Element ID	Element Type	From (Inlet) Node	To (Outlet) Node	Length	Inlet Invert Elevation	Outlet Invert Elevation	Average Slope	Diameter or Height	Manning's Roughness	Peak Flow	Design Flow Capacity	Peak Flow Velocity	Peak Flow Depth
				(ft)	(ft)	(ft)	(%)	(in)		(cfs)	(cfs)	(ft/sec)	(ft)
CULV-A	Pipe	CB1	OUT-A	98.00	305.30	305.12	0.1800	36.000	0.0150	11.78	24.77	3.46	1.46
CULV-A2-1	Pipe	CB2	FILTER-A2	104.00	312.00	310.00	1.9200	24.000	0.0150	15.24	27.19	8.91	1.07
CULV-A2-2	Pipe	OUTLET-STR-A2	CB1	43.00	305.60	305.30	0.7000	24.000	0.0150	8.54	16.38	5.27	1.03
CULV-C1	Pipe	OUTLET-STR-C1	END-SECTION-C1	30.00	308.10	308.00	0.3300	12.000	0.0130	0.02	2.06	0.89	0.08
CULV-C2	Pipe	OUTLET-STR-C2	END-SECTION-C2	30.00	308.10	308.00	0.3300	12.000	0.0130	0.02	2.06	0.88	0.08
WETLAND-CHANNEL-C1	Channel	END-SECTION-C1	OUT-C	2050.00	308.00	298.00	0.4900	6.000	0.0320	0.02	101.48	0.00	0.00
WETLAND-CHANNEL-C2	Channel	END-SECTION-C2	OUT-C	1712.00	308.00	298.00	0.5800	6.000	0.0320	0.02	111.05	0.00	0.00
BEEHIVE-GRATE	Orifice	DETENTION-A	CB1		309.50	305.30		18.167		0.00			
ORIF-A2	Orifice	FILTER-A2	OUTLET-STR-A2		308.00	305.60		6.000		8.54			
ORIF-C1	Orifice	WETLAND-C1	OUTLET-STR-C1		308.77	308.10		0.830		0.02			
ORIF-C2A	Orifice	WETLAND-C2	OUTLET-STR-C2		308.77	308.10		0.830		0.02			
ORIF-DET-A	Orifice	DETENTION-A	CB1		309.50	305.30		4.000		3.24			
SPILLWAY-A2	Weir	FILTER-A2	DETENTION-A		308.00	309.50				0.00			
SPILLWAY-C1	Weir	WETLAND-C1	END-SECTION-C1		308.77	308.00				0.00			
SPILLWAY-C2	Weir	WETLAND-C2	END-SECTION-C2		308.77	308.00				0.00			

Subbasin Hydrology

Subbasin : A1

Input Data

Area (ac) 12.28
Weighted Curve Number 73.16
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	4.58	D	77.00
> 75% grass cover, Good	0.68	C	74.00
Woods, Good	6.62	C	70.00
> 75% grass cover, Good	0.40	D	80.00
Composite Area & Weighted CN	12.28		73.16

Time of Concentration

TOC Method : SCS TR-55

Sheet Flow Equation :

Tc = (0.007 * ((n * Lf)^0.8)) / ((P^0.5) * (Sf^0.4))

Where :

Tc = Time of Concentration (hr)
n = Manning's roughness
Lf = Flow Length (ft)
P = 2 yr, 24 hr Rainfall (inches)
Sf = Slope (ft/ft)

Shallow Concentrated Flow Equation :

V = 16.1345 * (Sf^0.5) (unpaved surface)
V = 20.3282 * (Sf^0.5) (paved surface)
V = 15.0 * (Sf^0.5) (grassed waterway surface)
V = 10.0 * (Sf^0.5) (nearly bare & untilled surface)
V = 9.0 * (Sf^0.5) (cultivated straight rows surface)
V = 7.0 * (Sf^0.5) (short grass pasture surface)
V = 5.0 * (Sf^0.5) (woodland surface)
V = 2.5 * (Sf^0.5) (forest w/heavy litter surface)
Tc = (Lf / V) / (3600 sec/hr)

Where:

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)

Channel Flow Equation :

V = (1.49 * (R^(2/3)) * (Sf^0.5)) / n
R = Aq / Wp
Tc = (Lf / V) / (3600 sec/hr)

Where :

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
R = Hydraulic Radius (ft)
Aq = Flow Area (ft^2)
Wp = Wetted Perimeter (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)
n = Manning's roughness

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	2	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.05	0.00	0.00
Computed Flow Time (min) :	30.68	0.00	0.00

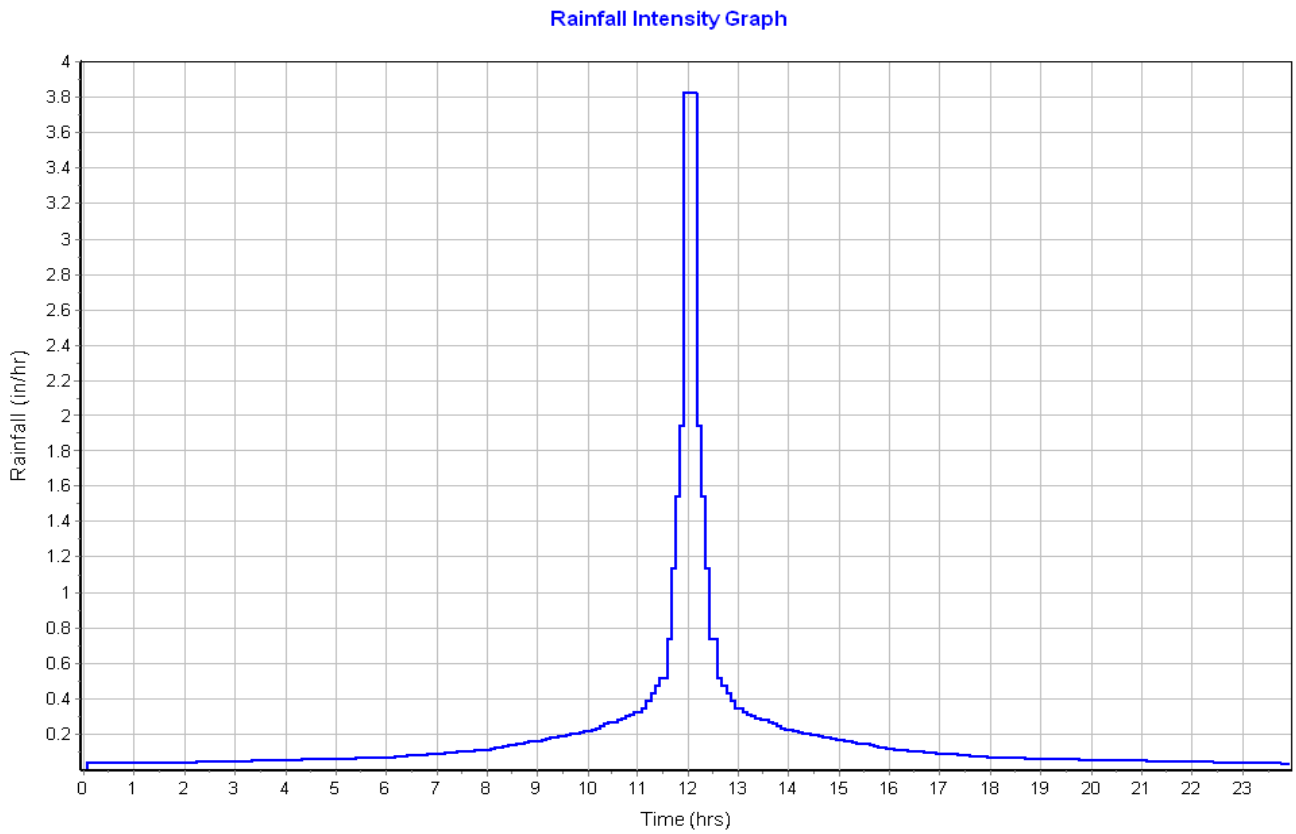
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	1510	0.00	0.00
Slope (%) :	.78	0.00	0.00
Surface Type :		Unpaved	Unpaved
Velocity (ft/sec) :	1.32	0.00	0.00
Computed Flow Time (min) :	19.07	0.00	0.00

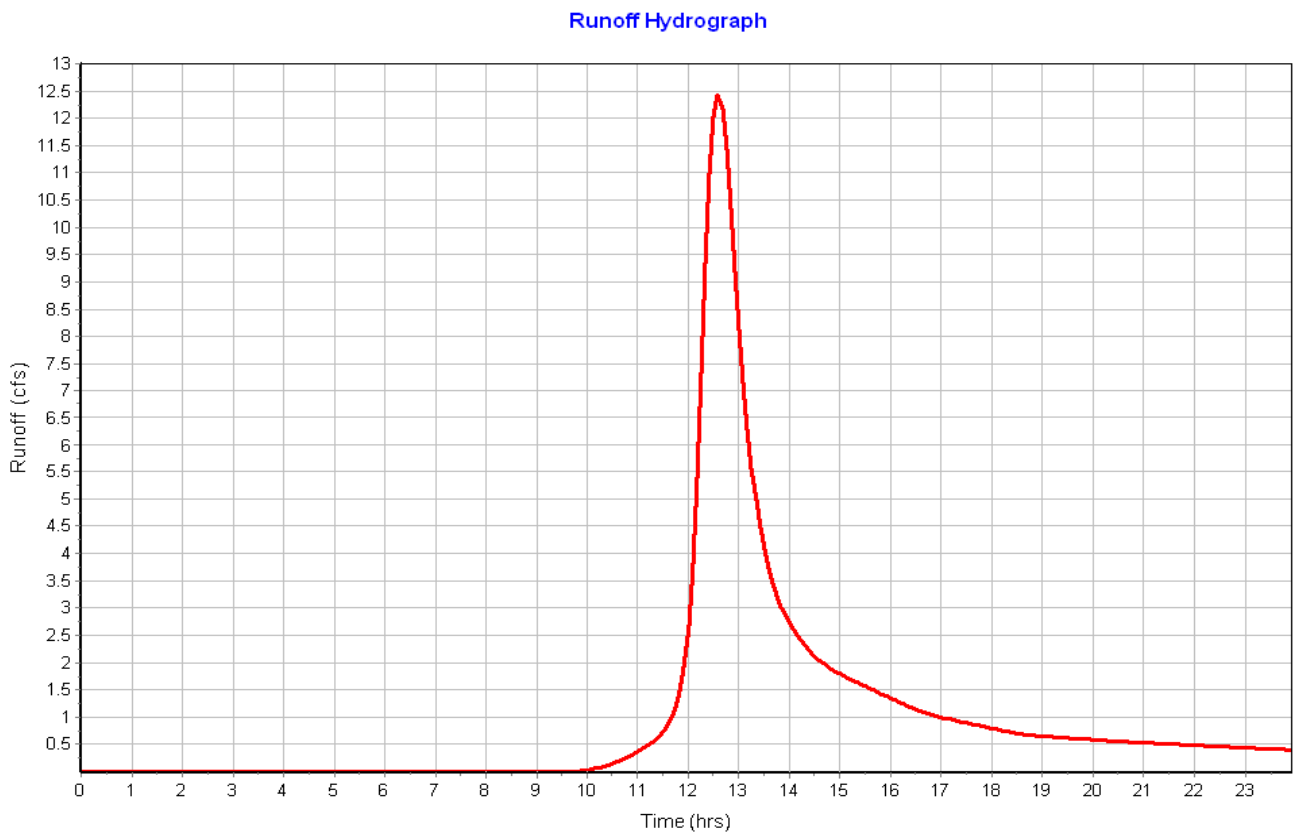
Total TOC (min) 49.74

Subbasin Runoff Results

Total Rainfall (in) 4.55
Total Runoff (in) 1.95
Peak Runoff (cfs) 12.43
Weighted Curve Number 73.16
Time of Concentration (days hh:mm:ss) 0 00:49:44

Subbasin : A1


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : A2

Input Data

Area (ac) 6.41
Weighted Curve Number 81.47
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.13	D	77.00
Roofs	1.77	D	98.00
> 75% grass cover, Good	1.87	D	80.00
Stone_Pad	1.80	D	60.00
Gravel roads	0.17	D	91.00
Pavement	0.67	D	98.00
Composite Area & Weighted CN	6.41		81.47

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	85	0.00	0.00
Slope (%) :	33.33	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.22	0.00	0.00
Computed Flow Time (min) :	6.32	0.00	0.00

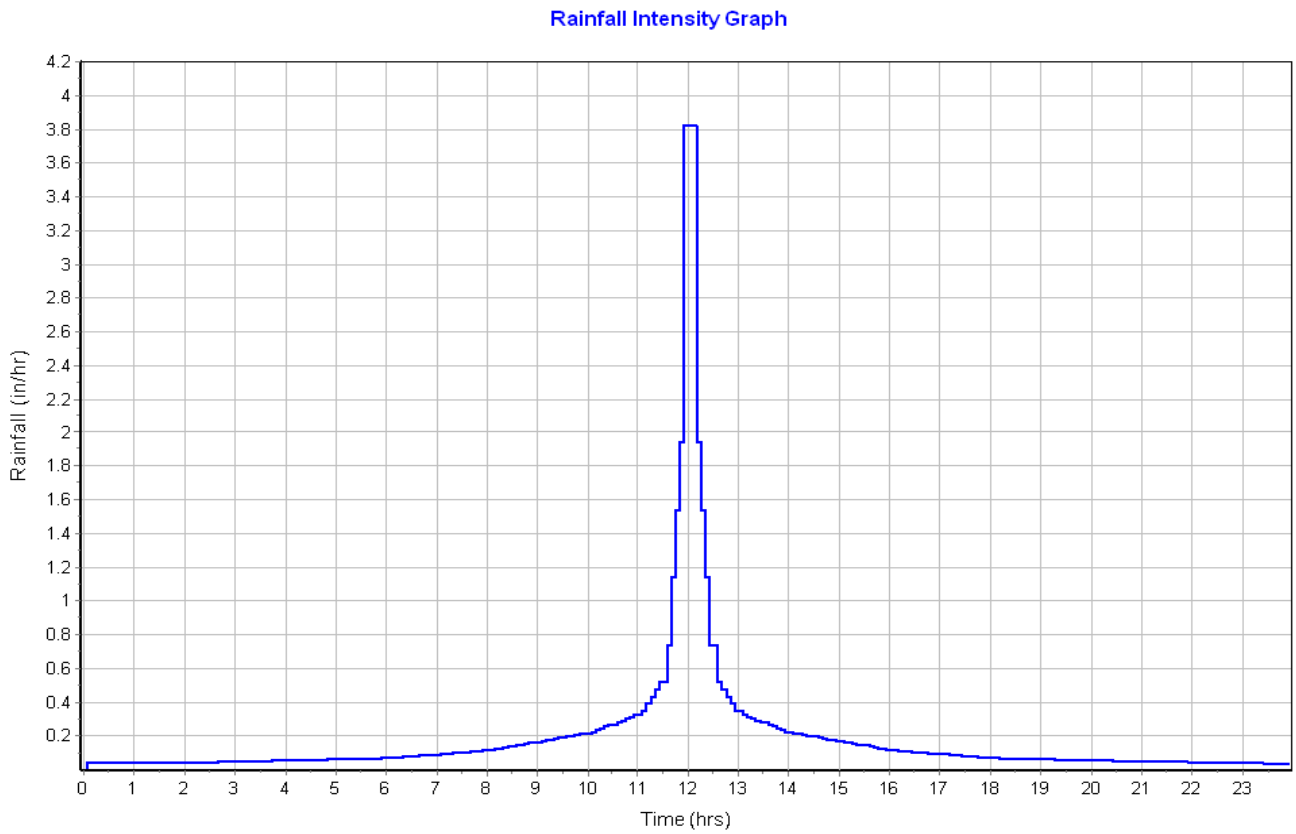
Channel Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.04	0.00	0.00
Flow Length (ft) :	1138	0.00	0.00
Channel Slope (%) :	1.4	0.00	0.00
Cross Section Area (ft²) :	4.398	0.00	0.00
Wetted Perimeter (ft) :	8.12	0.00	0.00
Velocity (ft/sec) :	2.93	0.00	0.00
Computed Flow Time (min) :	6.48	0.00	0.00

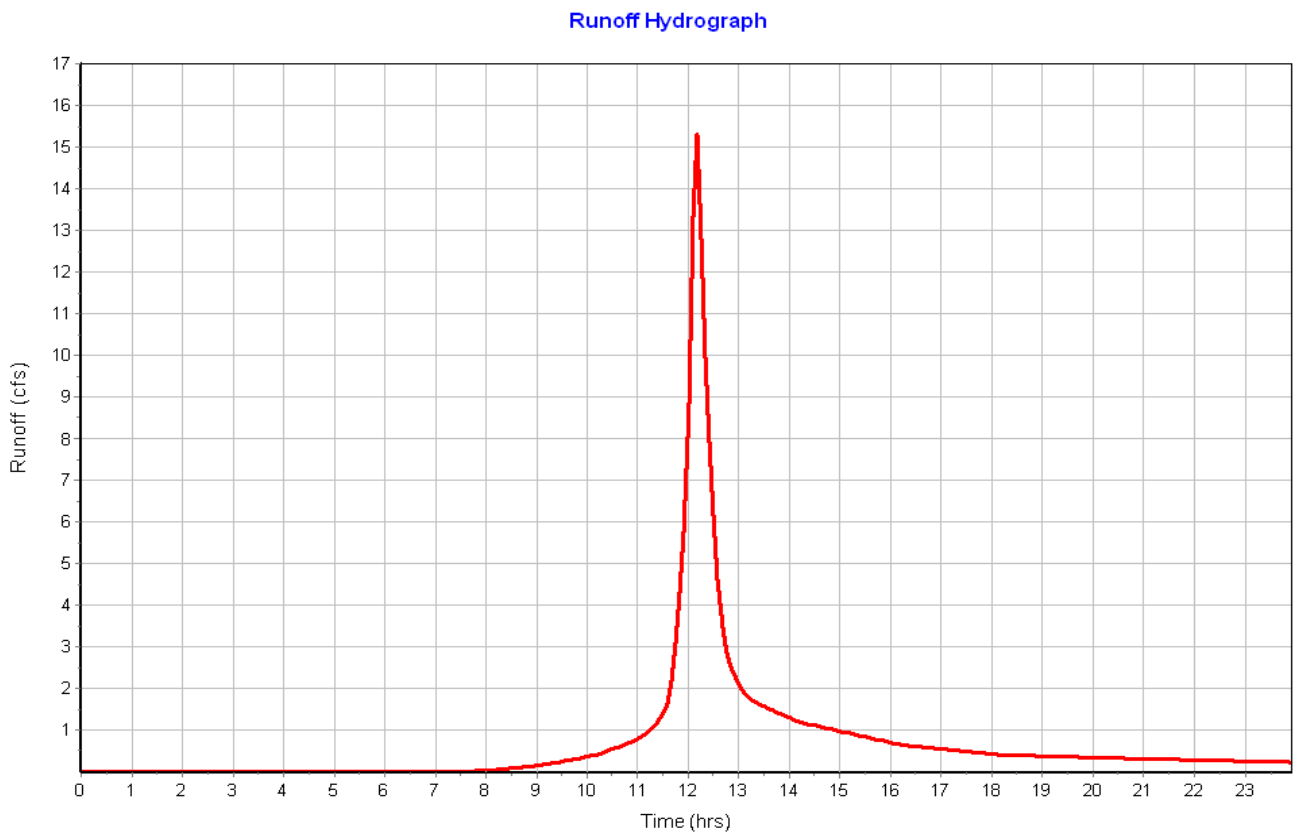
Total TOC (min) 12.80

Subbasin Runoff Results

Total Rainfall (in) 4.55
Total Runoff (in) 2.63
Peak Runoff (cfs) 15.32
Weighted Curve Number 81.47
Time of Concentration (days hh:mm:ss) 0 00:12:48

Subbasin : A2


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : A3

Input Data

Area (ac) 4.01
Weighted Curve Number 71.75
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
> 75% grass cover, Good	0.75	D	80.00
> 75% grass cover, Good	0.14	C	74.00
Stone_Pad	2.28	D	60.00
Roofs	0.19	D	98.00
Gravel roads	0.25	D	91.00
Pavement	0.35	D	98.00
Foundations	0.05	D	98.00
Composite Area & Weighted CN	4.01		71.75

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.01	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	2	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	1.44	0.00	0.00
Computed Flow Time (min) :	1.16	0.00	0.00

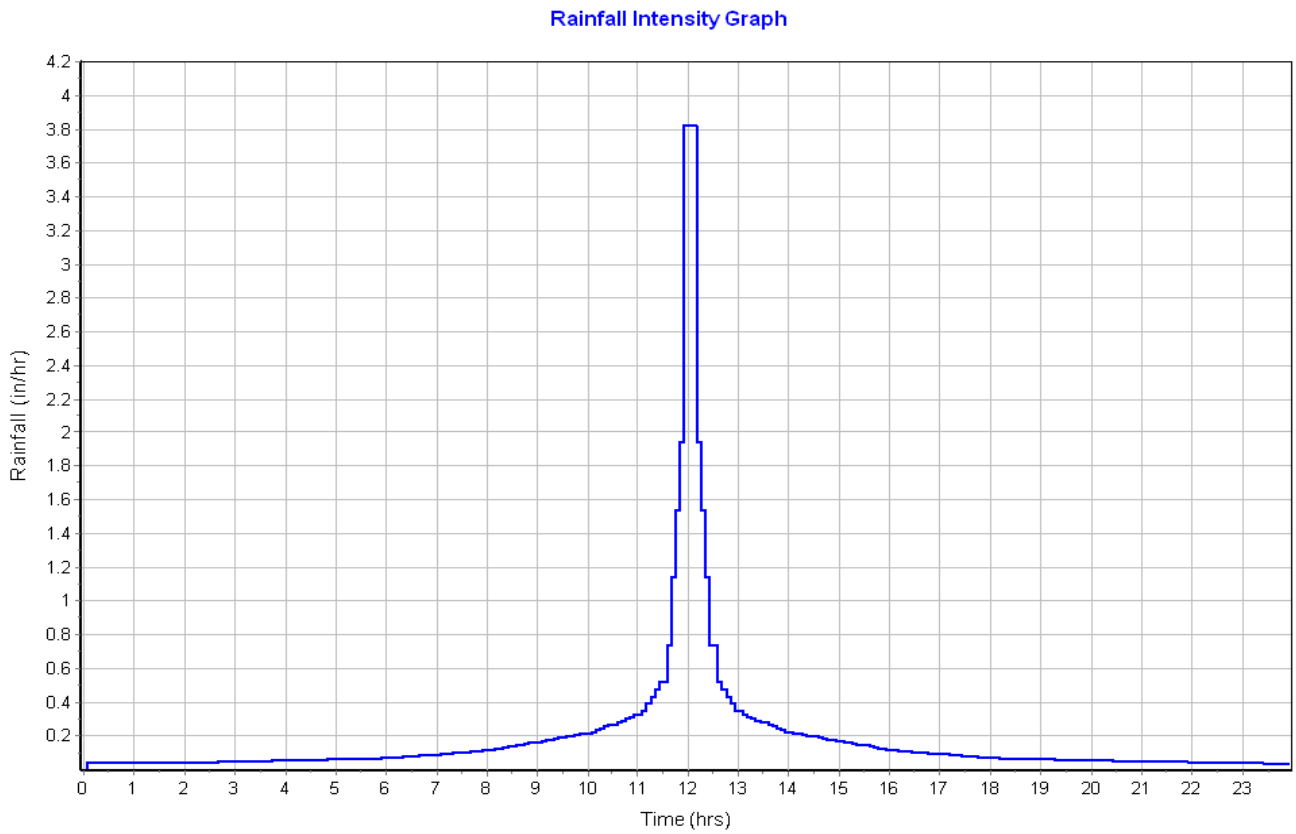
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	548	25	200
Slope (%) :	2	33.33	1.5
Surface Type :	Unpaved		
Velocity (ft/sec) :	2.28	4.04	0.86
Computed Flow Time (min) :	4.01	0.10	3.88

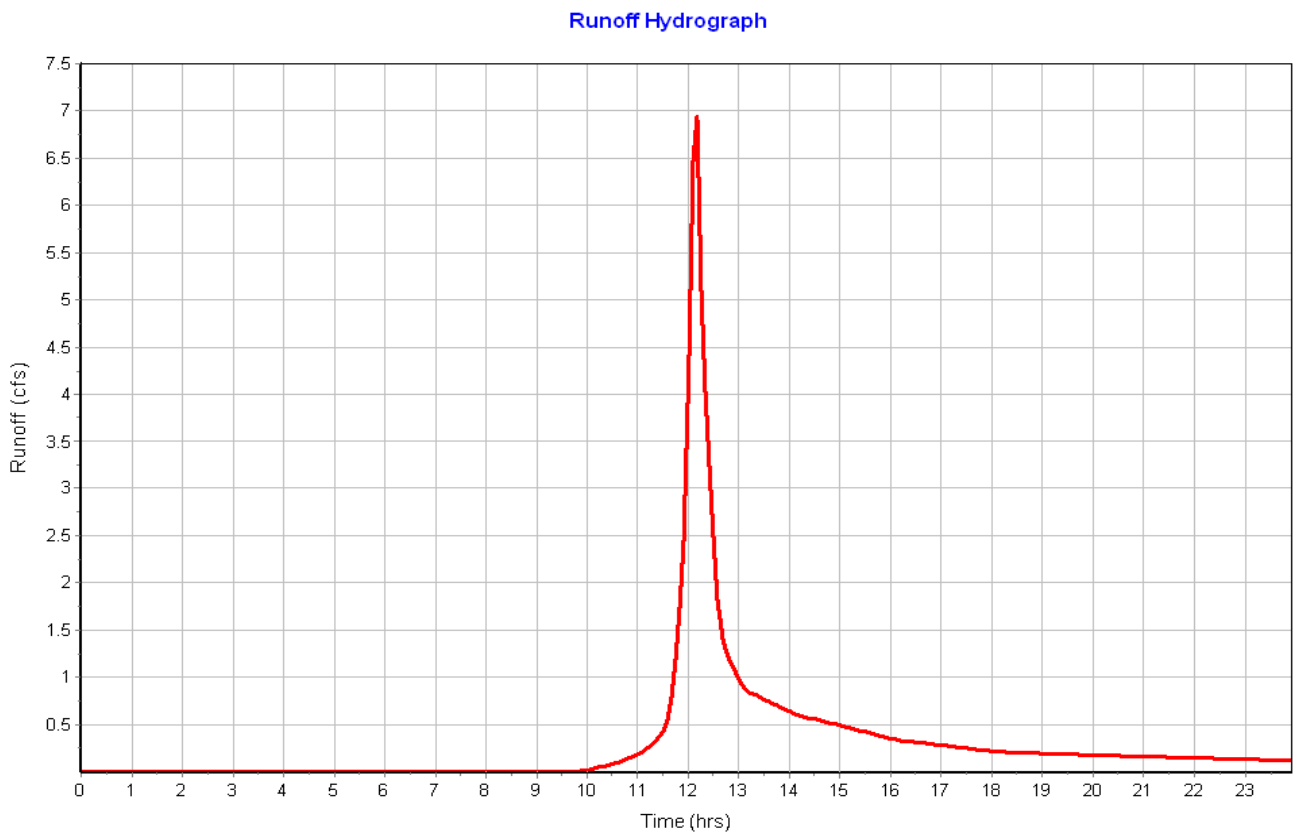
Total TOC (min) 9.14

Subbasin Runoff Results

Total Rainfall (in) 4.55
Total Runoff (in) 1.84
Peak Runoff (cfs) 7.15
Weighted Curve Number 71.75
Time of Concentration (days hh:mm:ss) 0 00:09:08

Subbasin : A3


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : B

Input Data

Area (ac) 5.14
Weighted Curve Number 75.65
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	1.20	C	70.00
Woods, Good	3.45	D	77.00
> 75% grass cover, Good	0.49	D	80.00
Composite Area & Weighted CN	5.14		75.65

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	90	0.00	0.00
Slope (%) :	33.33	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.23	0.00	0.00
Computed Flow Time (min) :	6.62	0.00	0.00

Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	368	0.00	0.00
Slope (%) :	1.63	0.00	0.00
Surface Type :		Unpaved	Unpaved
Velocity (ft/sec) :	1.92	0.00	0.00
Computed Flow Time (min) :	3.19	0.00	0.00

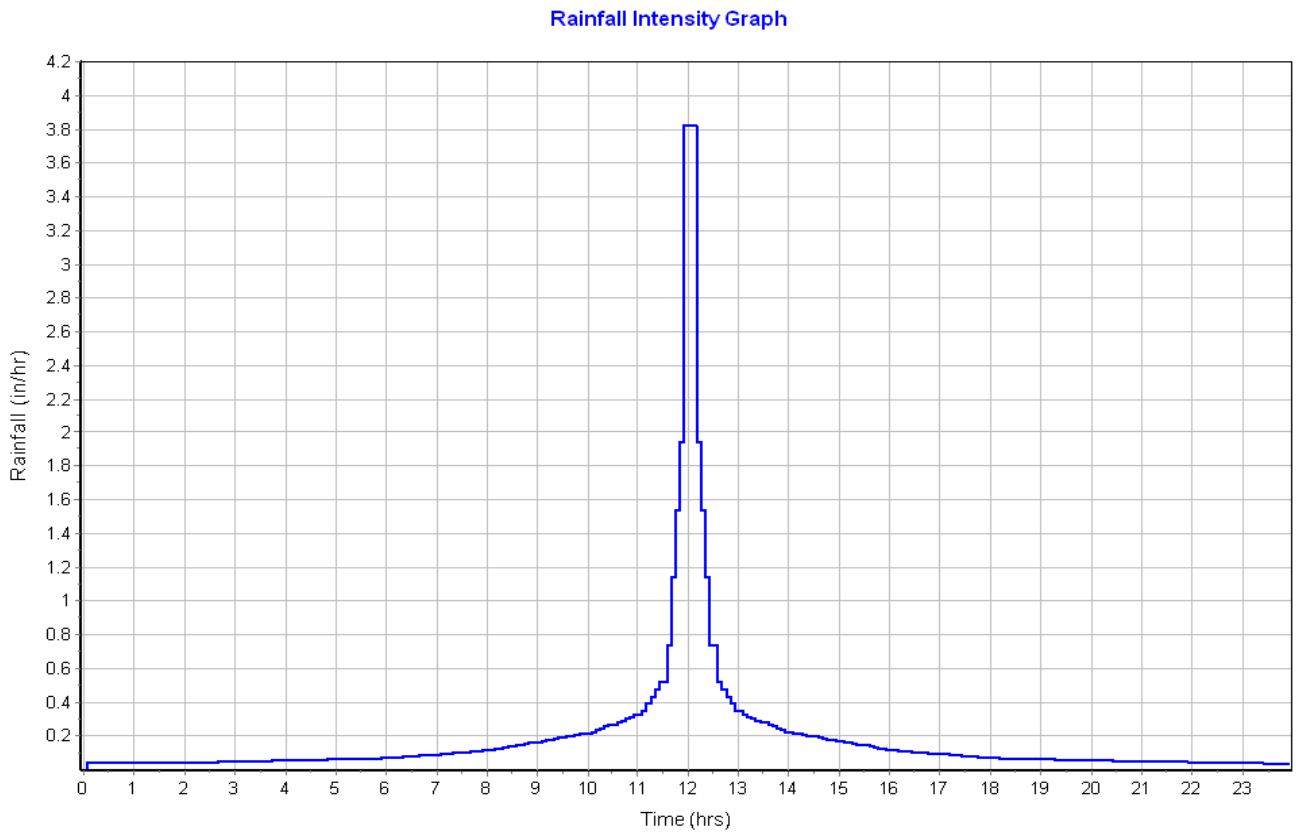
Channel Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.3	.3	0.00
Flow Length (ft) :	272	85	0.00
Channel Slope (%) :	1.4	16.7	0.00
Cross Section Area (ft^2) :	3.287	1.367	0.00
Wetted Perimeter (ft) :	7.17	5.15	0.00
Velocity (ft/sec) :	0.35	0.84	0.00
Computed Flow Time (min) :	12.97	1.69	0.00

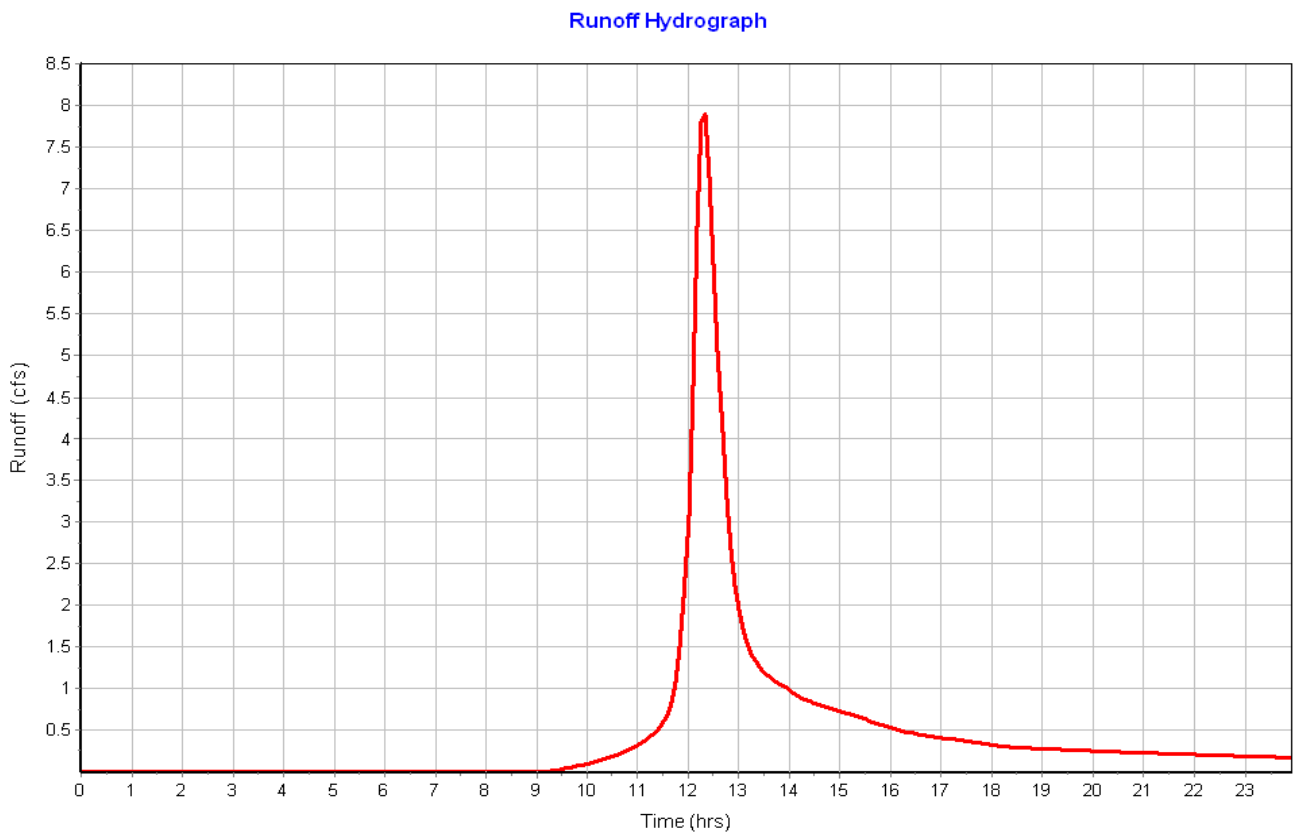
Total TOC (min) 24.48

Subbasin Runoff Results

Total Rainfall (in) 4.55
Total Runoff (in) 2.14
Peak Runoff (cfs) 8.01
Weighted Curve Number 75.65
Time of Concentration (days hh:mm:ss) 0 00:24:29

Subbasin : B


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : C1-WETLAND

Input Data

Area (ac) 0.75
Weighted Curve Number 75.95
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.12	D	77.00
> 75% grass cover, Good	0.04	A	39.00
> 75% grass cover, Good	0.05	D	80.00
> 75% grass cover, Good	0.34	C	74.00
Woods, Good	0.02	C	70.00
Gravel roads	0.04	A	76.00
Gravel roads	0.09	C	89.00
Gravel roads	0.05	D	91.00
Composite Area & Weighted CN	0.75		75.95

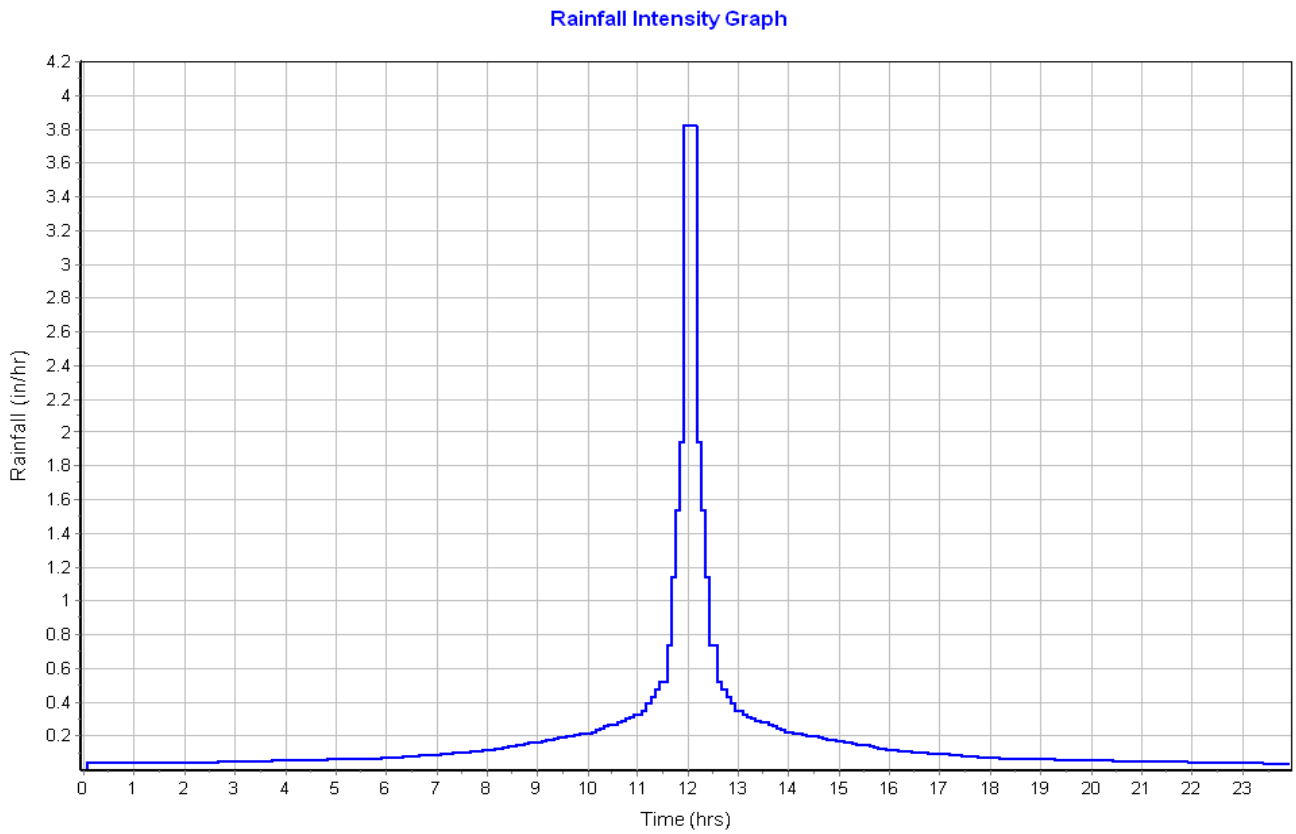
Time of Concentration

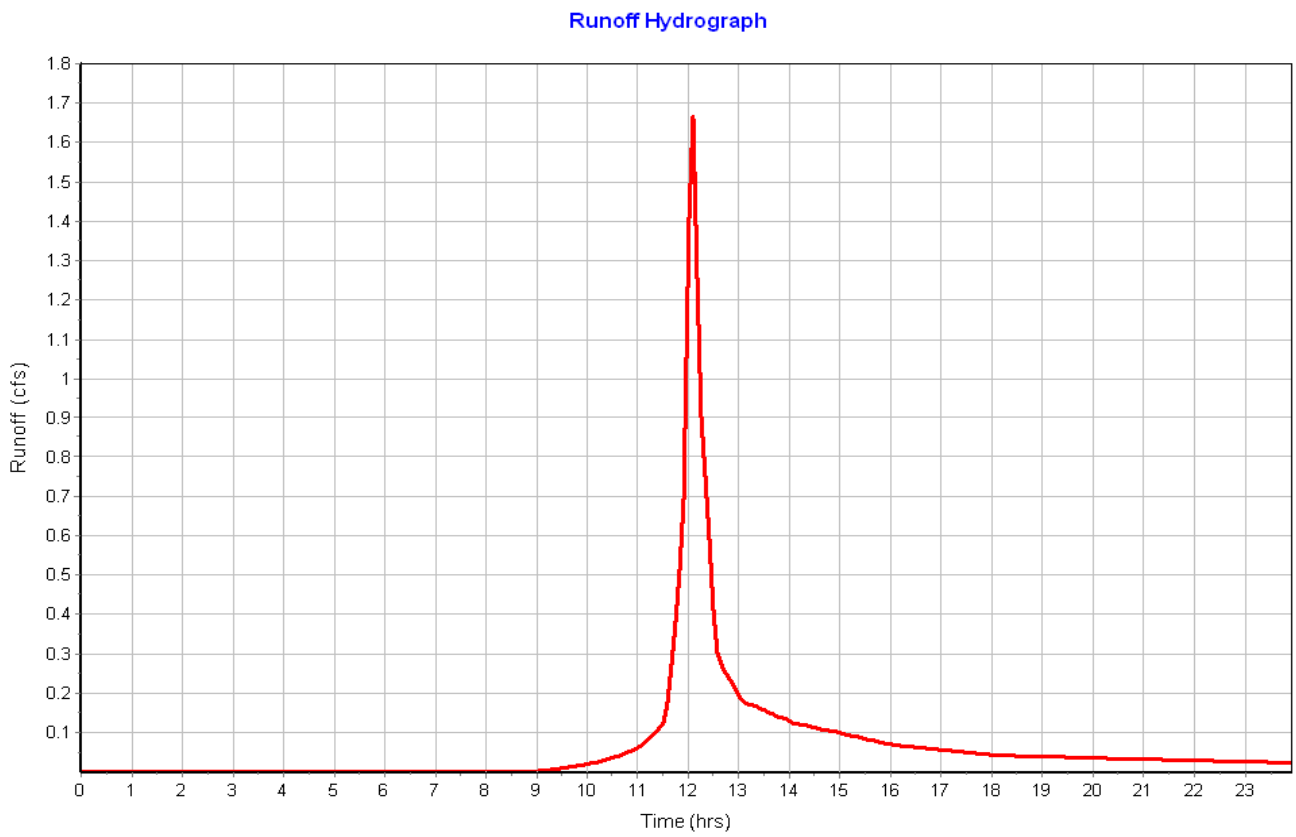
User-Defined TOC override (minutes): 5

Subbasin Runoff Results

Total Rainfall (in) 4.55
Total Runoff (in) 2.17
Peak Runoff (cfs) 1.70
Weighted Curve Number 75.95
Time of Concentration (days hh:mm:ss) 0 00:05:00

Subbasin : C1-WETLAND





Subbasin : C2-WETLAND

Input Data

Area (ac) 0.73
Weighted Curve Number 82.63
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
> 75% grass cover, Good	0.31	C	74.00
Gravel roads	0.42	C	89.00
Composite Area & Weighted CN	0.73		82.63

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.01	0.00	0.00
Flow Length (ft) :	44	0.00	0.00
Slope (%) :	2	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	1.22	0.00	0.00
Computed Flow Time (min) :	0.60	0.00	0.00

Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	636	0.00	0.00
Slope (%) :	1.6	0.00	0.00
Surface Type :	Grassed waterway	Unpaved	Unpaved
Velocity (ft/sec) :	1.90	0.00	0.00
Computed Flow Time (min) :	5.58	0.00	0.00

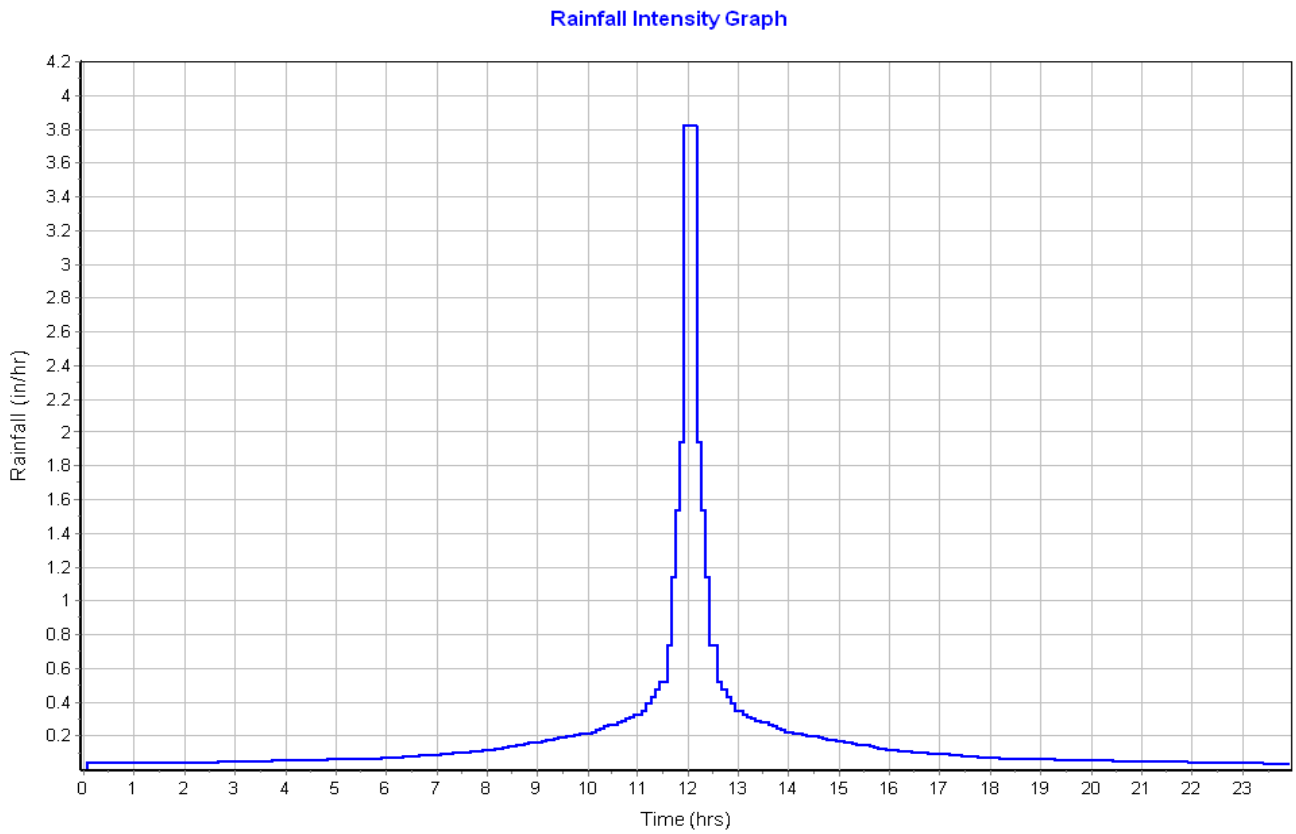
Channel Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.03	0.00	0.00
Flow Length (ft) :	2256	0.00	0.00
Channel Slope (%) :	.5	0.00	0.00
Cross Section Area (ft^2) :	2.475	0.00	0.00
Wetted Perimeter (ft) :	6.91	0.00	0.00
Velocity (ft/sec) :	1.77	0.00	0.00
Computed Flow Time (min) :	21.23	0.00	0.00

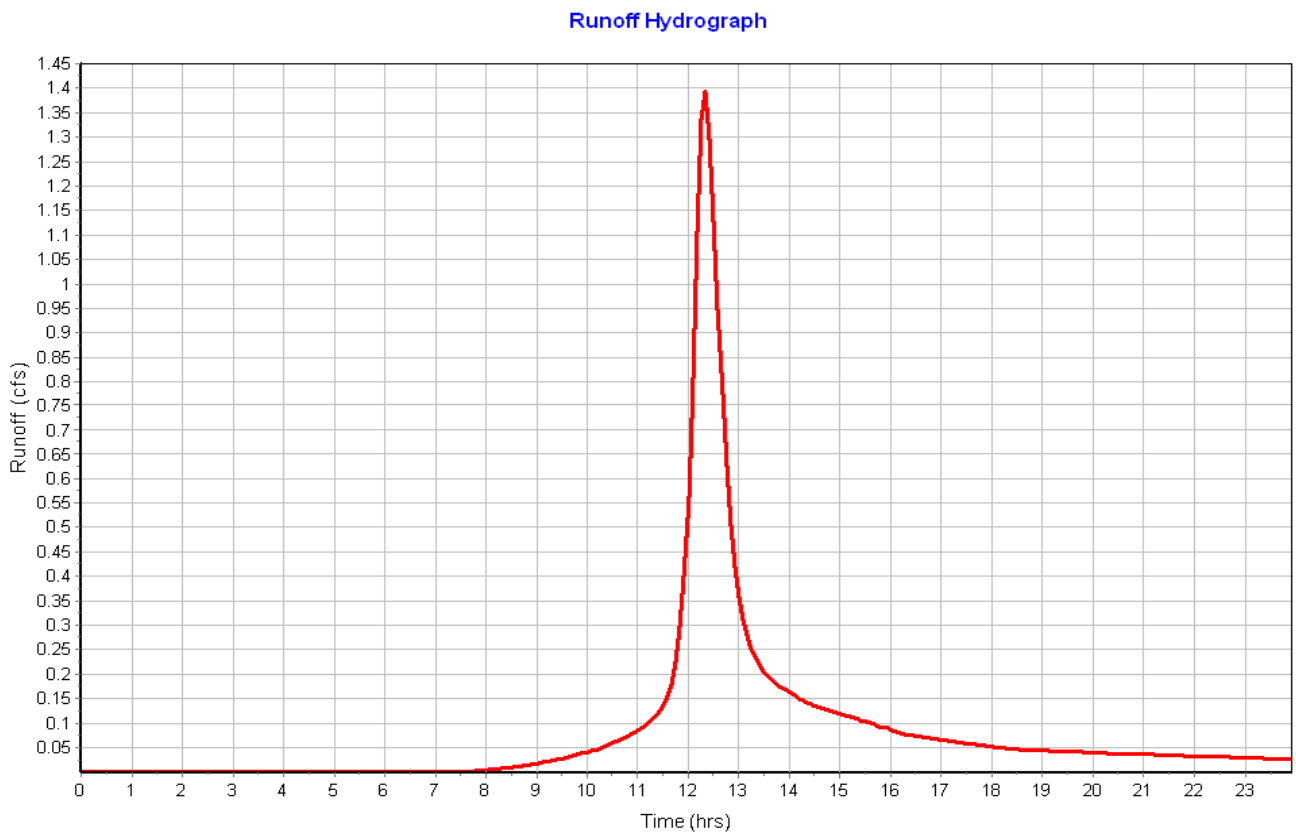
Total TOC (min) 27.41

Subbasin Runoff Results

Total Rainfall (in) 4.55
Total Runoff (in) 2.74
Peak Runoff (cfs) 1.40
Weighted Curve Number 82.63
Time of Concentration (days hh:mm:ss) 0 00:27:25

Subbasin : C2-WETLAND





Subbasin : C3-BYPASS

Input Data

Area (ac) 21.22
Weighted Curve Number 71.79
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
> 75% grass cover, Good	0.01	D	80.00
Woods, Good	12.33	C	70.00
Woods, Good	7.45	D	77.00
> 75% grass cover, Good	0.66	A	39.00
> 75% grass cover, Good	0.57	C	74.00
Gravel roads	0.20	C	89.00
Composite Area & Weighted CN	21.22		71.79

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	.47	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.03	0.00	0.00
Computed Flow Time (min) :	54.75	0.00	0.00

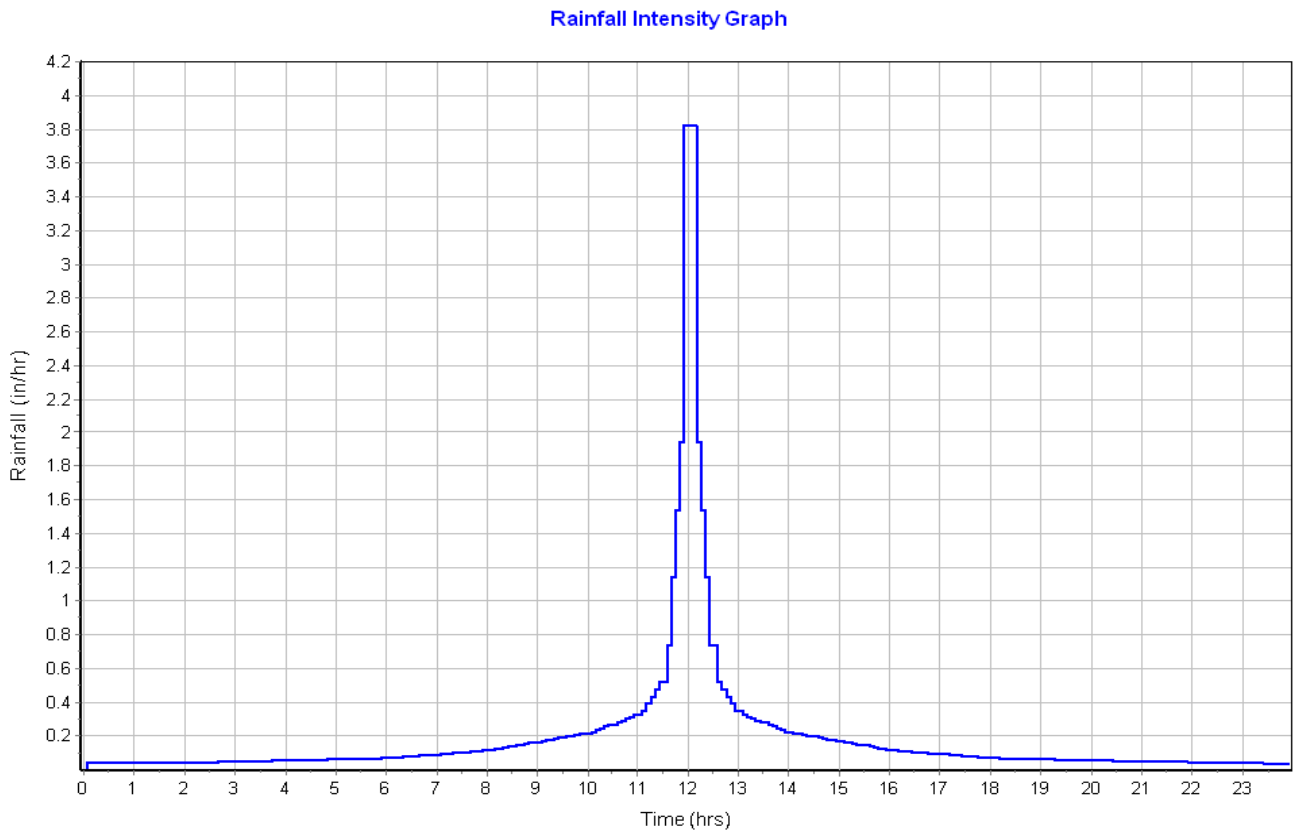
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	2140	0.00	0.00
Slope (%) :	.47	0.00	0.00
Surface Type :	Grassed waterway	Unpaved	Unpaved
Velocity (ft/sec) :	1.03	0.00	0.00
Computed Flow Time (min) :	34.63	0.00	0.00

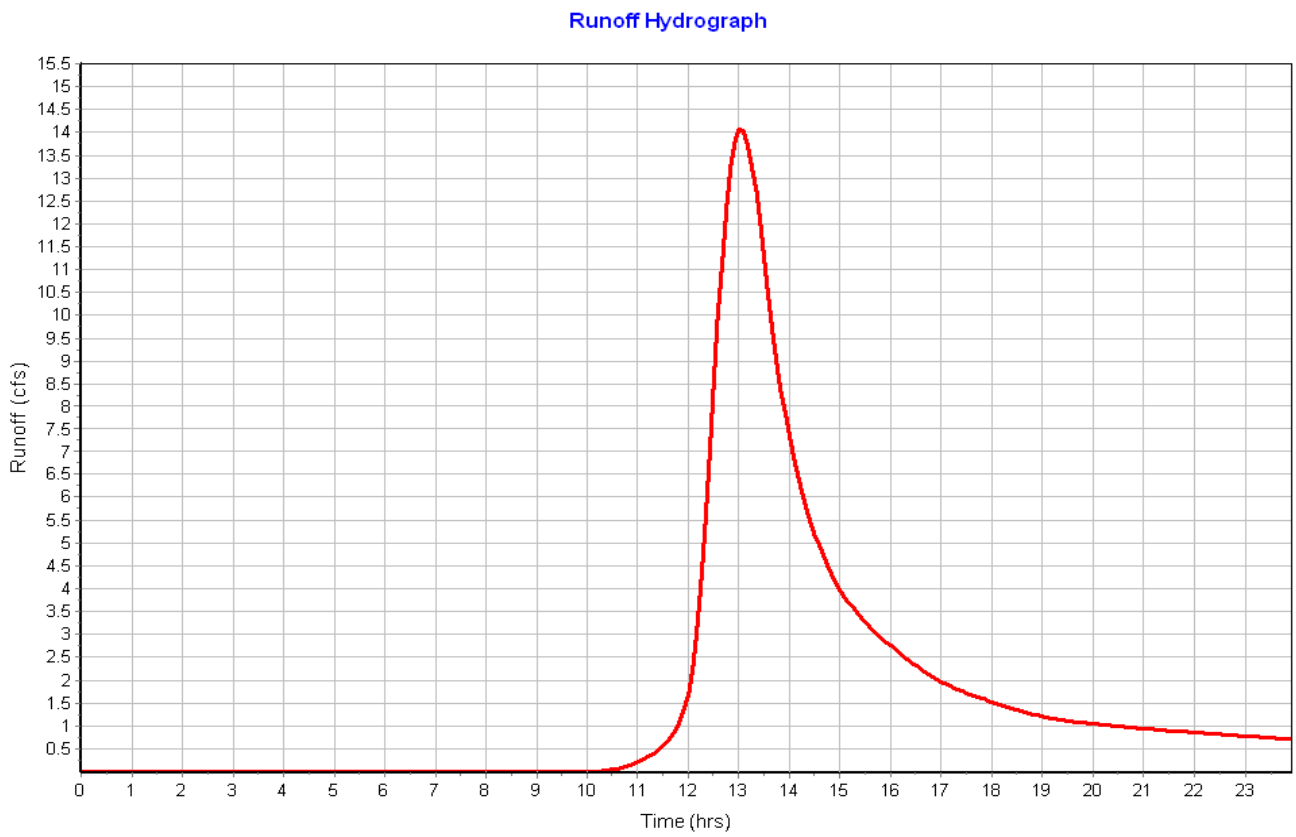
Total TOC (min) 89.38

Subbasin Runoff Results

Total Rainfall (in) 4.55
Total Runoff (in) 1.84
Peak Runoff (cfs) 14.12
Weighted Curve Number 71.79
Time of Concentration (days hh:mm:ss) 0 01:29:23

Subbasin : C3-BYPASS





Subbasin : D

Input Data

Area (ac) 0.69
Weighted Curve Number 77.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.74	D	77.00
Composite Area & Weighted CN	0.74		77.00

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	21	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.14	0.00	0.00
Computed Flow Time (min) :	11.98	0.00	0.00

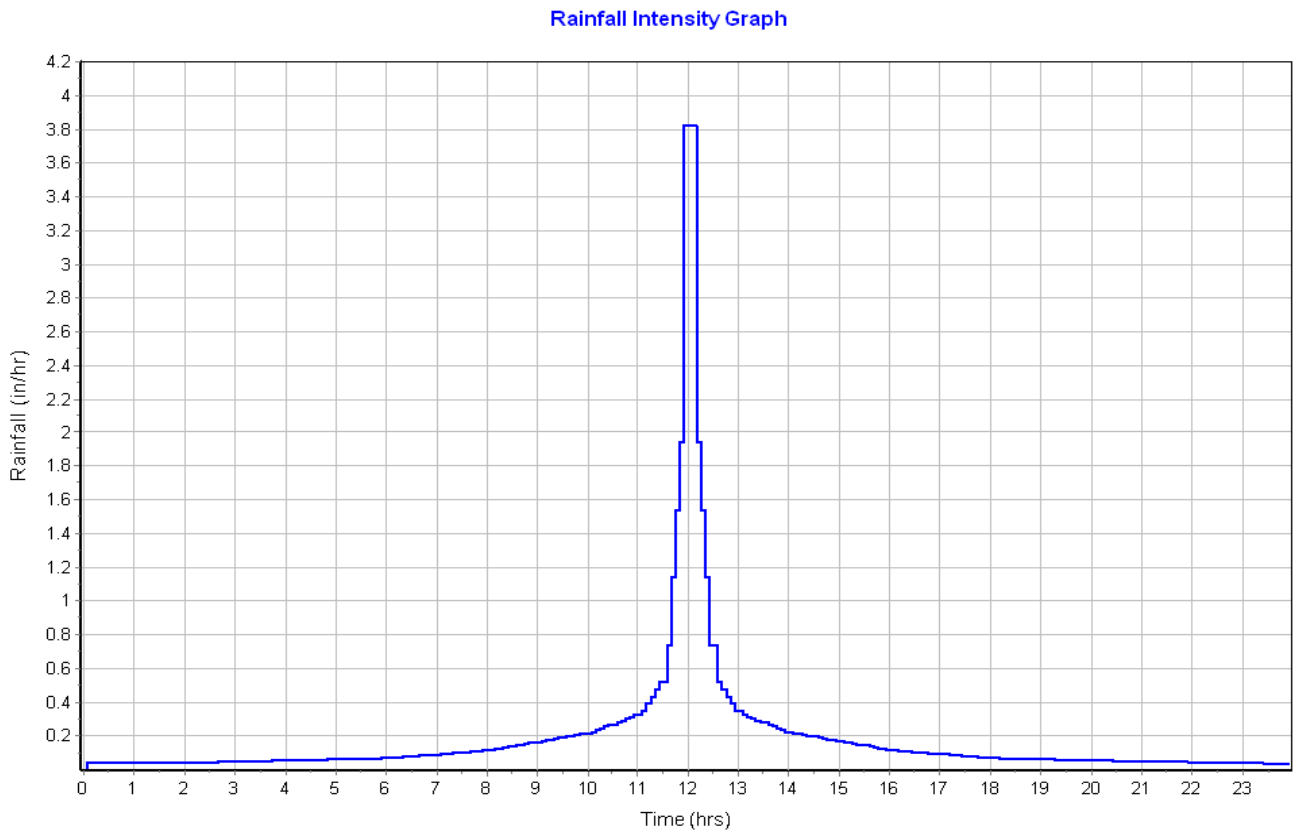
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	16	0.00	0.00
Slope (%) :	14.5	0.00	0.00
Surface Type :	Woodland	Unpaved	Unpaved
Velocity (ft/sec) :	1.90	0.00	0.00
Computed Flow Time (min) :	0.14	0.00	0.00

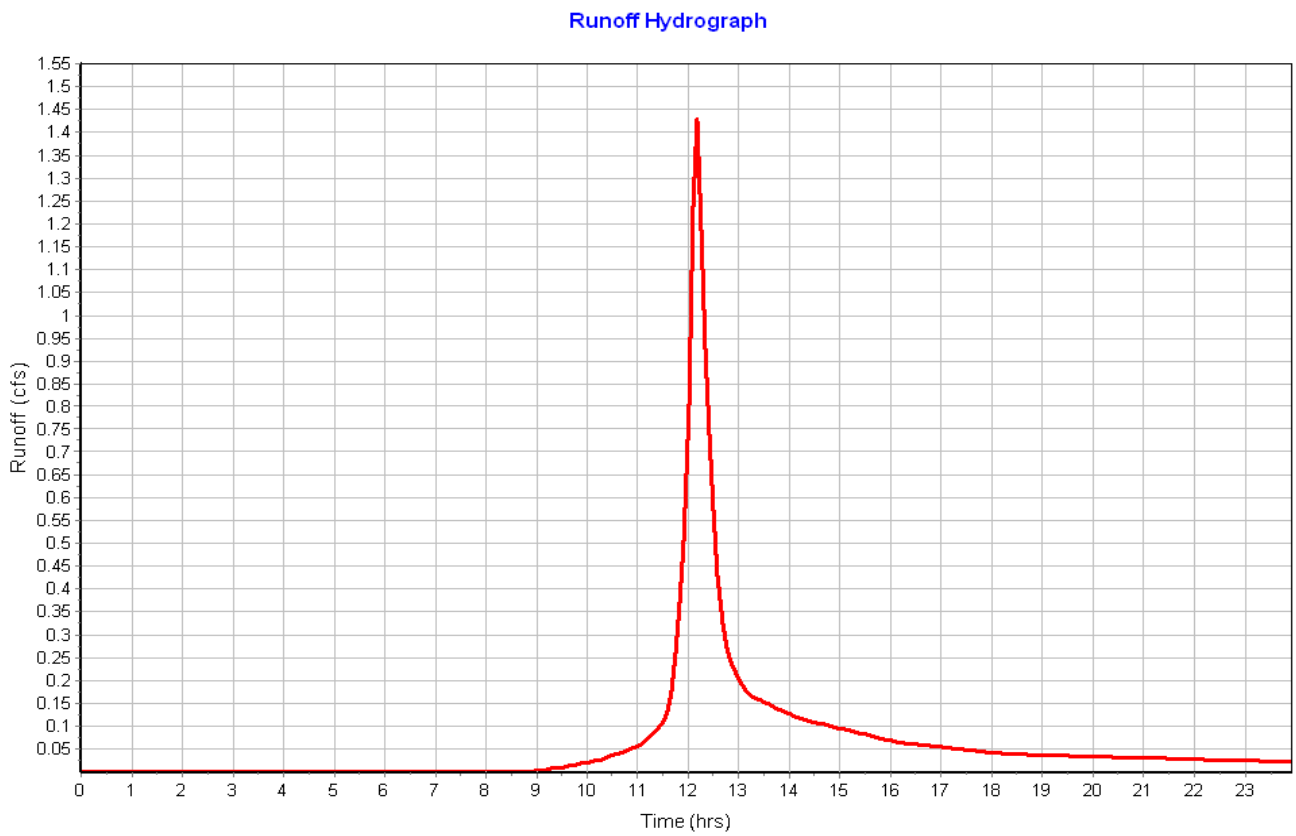
Total TOC (min) 12.12

Subbasin Runoff Results

Total Rainfall (in) 4.55
Total Runoff (in) 2.25
Peak Runoff (cfs) 1.43
Weighted Curve Number 77.00
Time of Concentration (days hh:mm:ss) 0 00:12:07

Subbasin : D


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : E

Input Data

Area (ac) 2.96
Weighted Curve Number 77.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	2.96	D	77.00
Composite Area & Weighted CN	2.96		77.00

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	24	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.15	0.00	0.00
Computed Flow Time (min) :	11.35	0.00	0.00

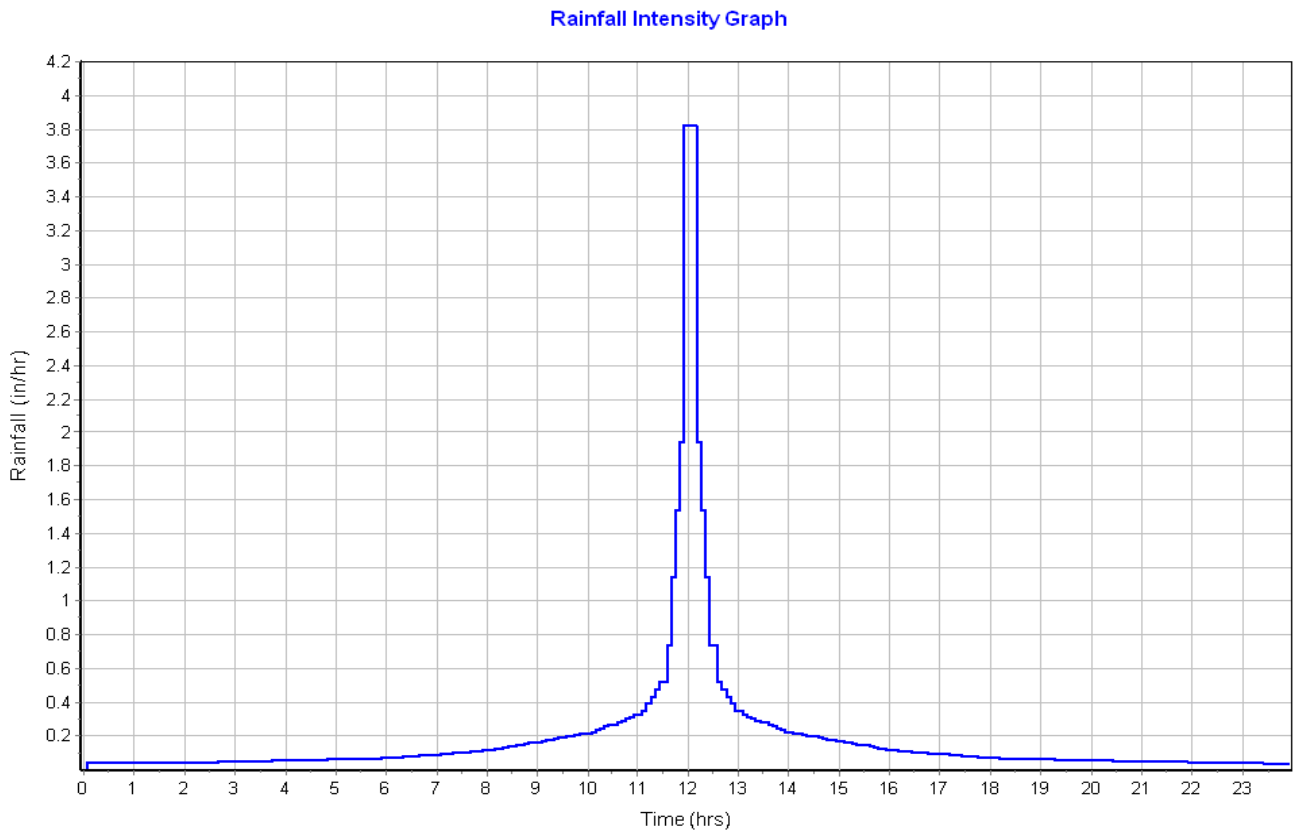
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	227	0.00	0.00
Slope (%) :	18	0.00	0.00
Surface Type :	Woodland	Unpaved	Unpaved
Velocity (ft/sec) :	2.12	0.00	0.00
Computed Flow Time (min) :	1.78	0.00	0.00

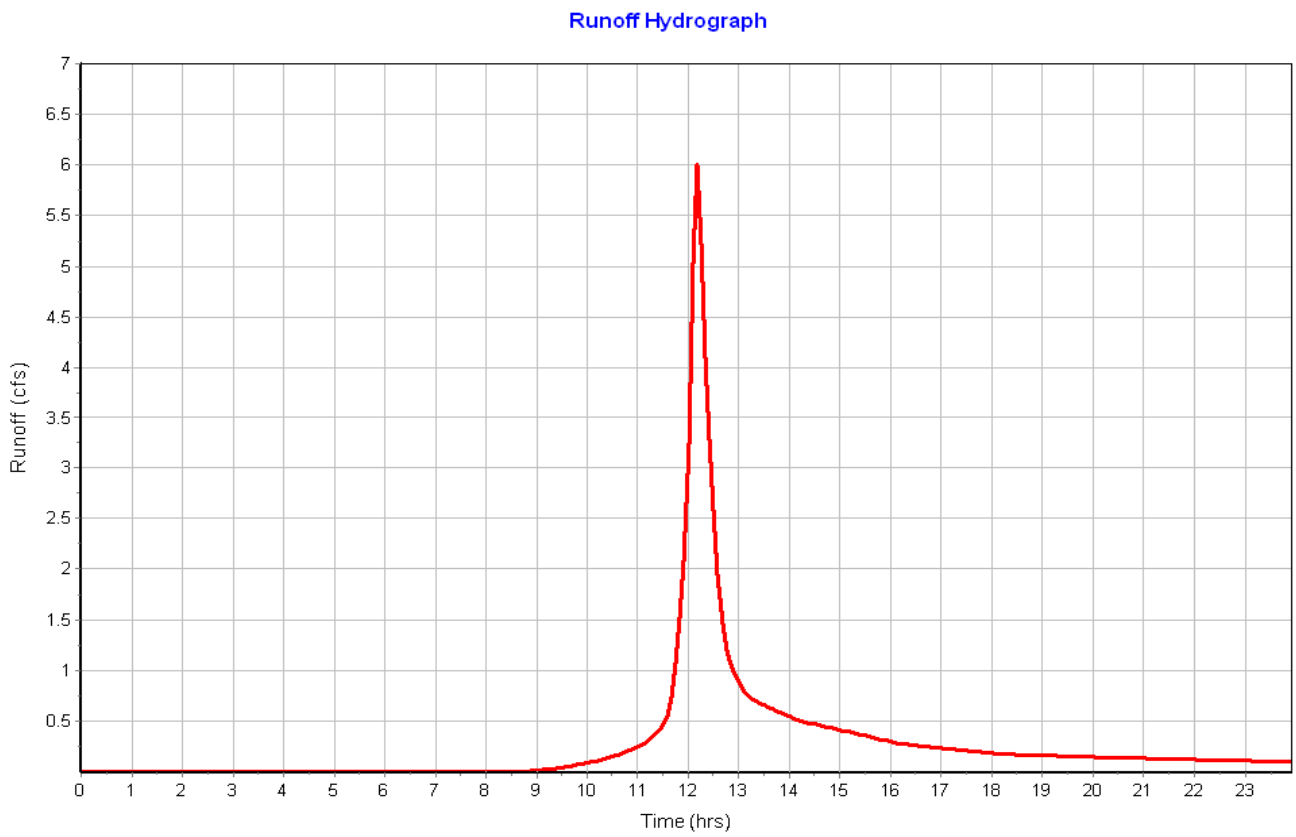
Total TOC (min) 13.14

Subbasin Runoff Results

Total Rainfall (in) 4.55
Total Runoff (in) 2.25
Peak Runoff (cfs) 6.01
Weighted Curve Number 77.00
Time of Concentration (days hh:mm:ss) 0 00:13:08

Subbasin : E


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Junction Input

Element ID	Invert Elevation (ft)	Ground/Rim (Max) Elevation (ft)
CB1	305.30	310.33
CB2	312.00	316.00
END-SECTION-C1	308.00	6.00
END-SECTION-C2	308.00	6.00
OUTLET-STR-A2	305.60	312.00
OUTLET-STR-C1	308.10	312.00
OUTLET-STR-C2	308.10	312.00

Junction Results

Element ID	Peak Inflow	Max HGL Elevation Attained	Max HGL Depth Attained	Min Freeboard Attained	Average HGL Elevation Attained	Time of Max HGL Occurrence
	(cfs)	(ft)	(ft)	(ft)	(ft)	(days hh:mm)
CB1	11.78	306.76	1.46	3.57	305.58	0 12:29
CB2	15.30	313.07	1.07	2.93	312.15	0 12:15
END-SECTION-C1	0.02	308.08	0.08	3.15	308.07	0 23:46
END-SECTION-C2	0.02	308.08	0.08	3.15	308.07	1 00:00
OUTLET-STR-A2	8.54	306.63	1.03	5.37	305.79	0 12:29
OUTLET-STR-C1	0.02	308.18	0.08	3.82	308.17	0 23:45
OUTLET-STR-C2	0.02	308.18	0.08	3.82	308.17	1 00:00

Pipe Input

Element ID	Length (ft)	Inlet Invert Elevation (ft)	Outlet Invert Elevation (ft)	Average Slope (%)	Pipe Shape	Pipe Diameter or Height (in)	Pipe Width (in)	Manning's Roughness
CULV-A	98.00	305.30	305.12	0.1800	CIRCULAR	36.000	36.000	0.0150
CULV-A2-1	104.00	312.00	310.00	1.9200	CIRCULAR	24.000	24.000	0.0150
CULV-A2-2	43.00	305.60	305.30	0.7000	CIRCULAR	24.000	24.000	0.0150
CULV-C1	30.00	308.10	308.00	0.3300	CIRCULAR	12.000	12.000	0.0130
CULV-C2	30.00	308.10	308.00	0.3300	CIRCULAR	12.000	12.000	0.0130

Pipe Results

Element ID	Peak Flow	Time of Peak Flow Occurrence	Design Flow Capacity	Peak Flow Velocity	Peak Flow Depth
	(cfs)	(days hh:mm)	(cfs)	(ft/sec)	(ft)
CULV-A	11.78	0 12:29	24.77	3.46	1.46
CULV-A2-1	15.24	0 12:15	27.19	8.91	1.07
CULV-A2-2	8.54	0 12:29	16.38	5.27	1.03
CULV-C1	0.02	0 23:46	2.06	0.89	0.08
CULV-C2	0.02	1 00:00	2.06	0.88	0.08

Storage Nodes

Storage Node : DETENTION-A

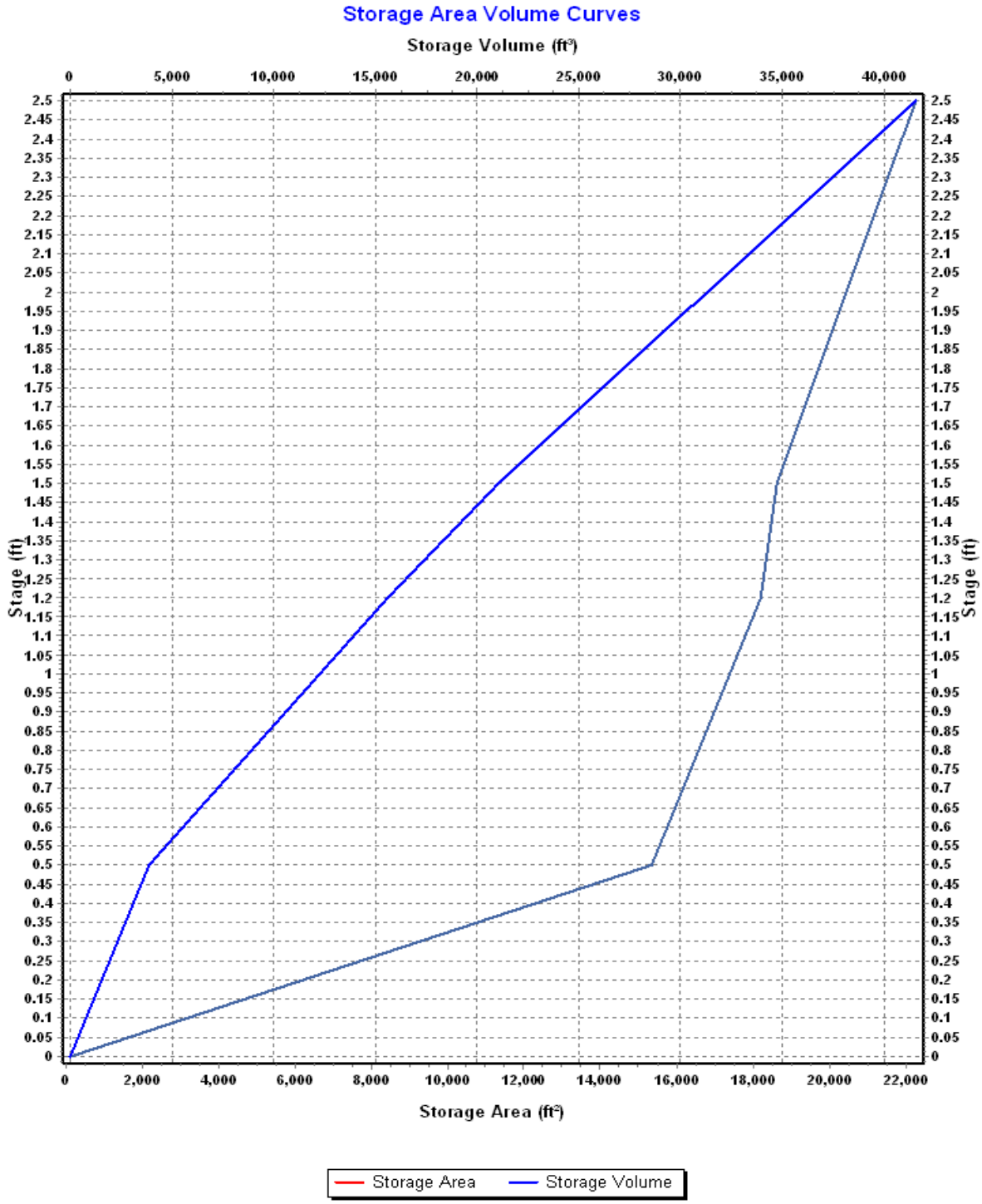
Input Data

Invert Elevation (ft) 309.50
Max (Rim) Elevation (ft) 312.00
Max (Rim) Offset (ft) 2.50
Initial Water Elevation (ft) 309.50
Initial Water Depth (ft) 0.00
Ponded Area (ft²) 0.00
Evaporation Loss 0.00

Storage Area Volume Curves

Storage Curve : Storage-08

Stage (ft)	Storage Area (ft²)	Storage Volume (ft³)
0	113	0.000
.5	15327	3860.00
1.2	18183.	15588.50
1.5	18635	21111.20
2.5	22257	41557.20


Storage Area Volume Curves
Storage Volume (ft³)
0
5,000
10,000
15,000
20,000
25,000
30,000
35,000
40,000
Stage (ft)
Storage Area (ft²)
0
2,000
4,000
6,000
8,000
10,000
12,000
14,000
16,000
18,000
20,000
22,000
Storage Area
Storage Volume

Storage Node : DETENTION-A (continued)

Outflow Orifices

Element ID	Orifice Type	Orifice Shape	Circular Orifice Diameter (in)	Rectangular Orifice Height (in)	Rectangular Orifice Width (in)	Orifice Invert Elevation (ft)	Orifice Coefficient
BEEHIVE-GRATE	Bottom	CIRCULAR	18.17			310.33	0.61
ORIF-DET-A	Side	Rectangular		4.00	36.00	309.50	0.63

Output Summary Results

Peak Inflow (cfs) 6.94
Peak Lateral Inflow (cfs) 6.94
Peak Outflow (cfs) 3.24
Peak Exfiltration Flow Rate (cfm) 0.00
Max HGL Elevation Attained (ft) 310.08
Max HGL Depth Attained (ft) 0.58
Average HGL Elevation Attained (ft) 309.57
Average HGL Depth Attained (ft) 0.07
Time of Max HGL Occurrence (days hh:mm) 0 12:30
Total Exfiltration Volume (1000-ft³) 0.000
Total Flooded Volume (ac-in) 0
Total Time Flooded (min) 0
Total Retention Time (sec) 0.00

Storage Node : FILTER-A2

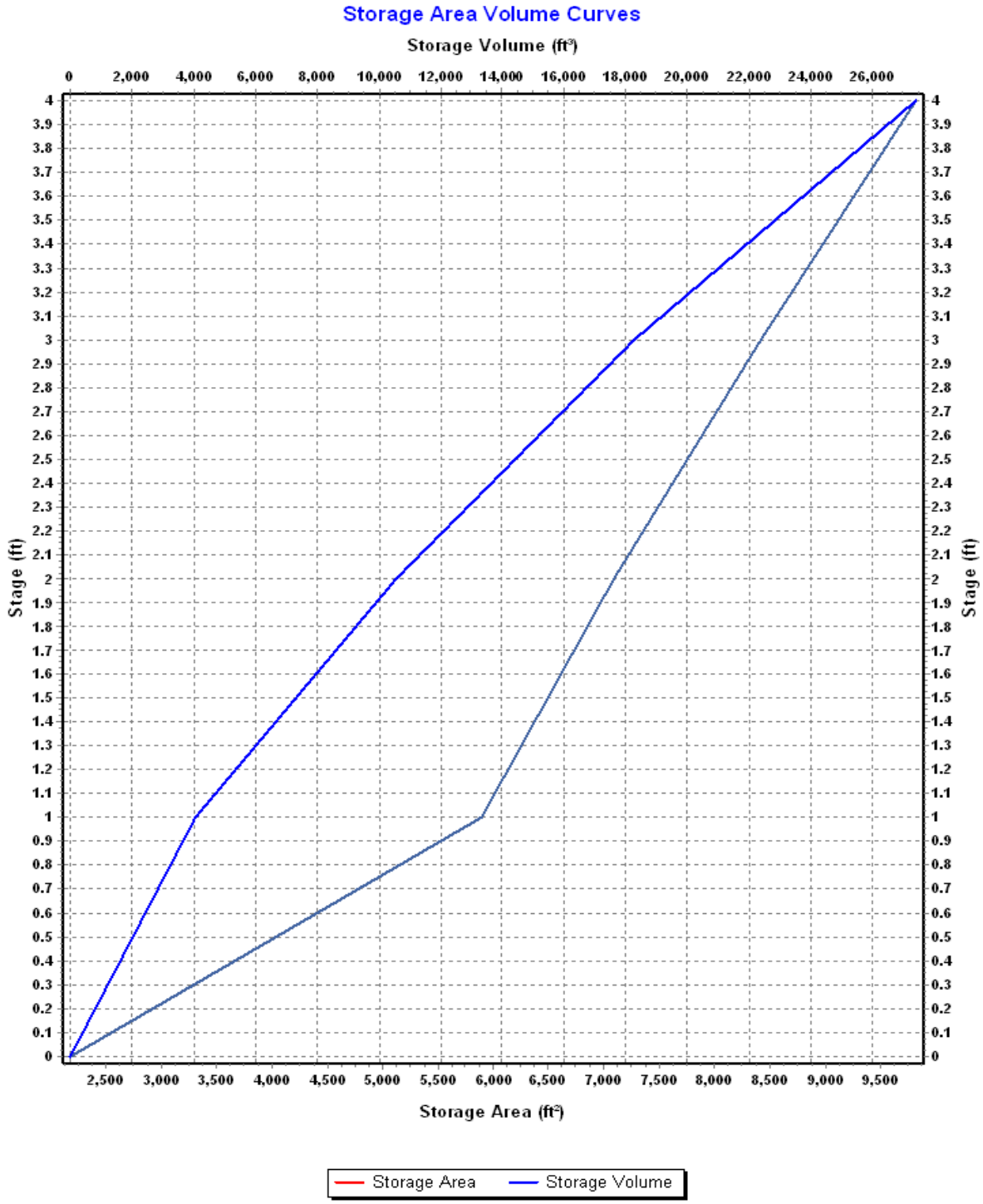
Input Data

Invert Elevation (ft)	308.00
Max (Rim) Elevation (ft)	312.00
Max (Rim) Offset (ft)	4.00
Initial Water Elevation (ft)	309.00
Initial Water Depth (ft)	1.00
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

Storage Area Volume Curves

Storage Curve : Storage-05

Stage (ft)	Storage Area (ft²)	Storage Volume (ft³)
0	2178	0.000
1	5898	4038.00
2	7084	10529.00
3	8421	18281.50
4	9818	27401.00


Storage Area Volume Curves
Storage Volume (ft³)
0
2,000
4,000
6,000
8,000
10,000
12,000
14,000
16,000
18,000
20,000
22,000
24,000
26,000
Stage (ft)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
2
2.1
2.2
2.3
2.4
2.5
2.6
2.7
2.8
2.9
3
3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
4
2,500
3,000
3,500
4,000
4,500
5,000
5,500
6,000
6,500
7,000
7,500
8,000
8,500
9,000
9,500
Storage Area (ft²)
Storage Area
Storage Volume

Storage Node : FILTER-A2 (continued)

Outflow Weirs

Element ID	Weir Type	Crest Elevation (ft)	Length (ft)	Weir Total Height (ft)	Discharge Coefficient
SPILLWAY-A2	Trapezoidal	310.70	55.00	1.30	3.10

Outflow Orifices

Element ID	Orifice Type	Orifice Shape	Circular Orifice Diameter (in)	Rectangular Orifice Height (in)	Rectangular Orifice Width (in)	Orifice Invert Elevation (ft)	Orifice Coefficient
ORIF-A2	Side	Rectangular		6.00	35.00	309.00	0.63

Output Summary Results

Peak Inflow (cfs)	15.24
Peak Lateral Inflow (cfs)	0.00
Peak Outflow (cfs)	8.54
Peak Exfiltration Flow Rate (cfm)	0.00
Max HGL Elevation Attained (ft)	310.61
Max HGL Depth Attained (ft)	2.61
Average HGL Elevation Attained (ft)	309.14
Average HGL Depth Attained (ft)	1.14
Time of Max HGL Occurrence (days hh:mm)	0 12:29
Total Exfiltration Volume (1000-ft³)	0.000
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	0
Total Retention Time (sec)	0.00

Storage Node : WETLAND-C1

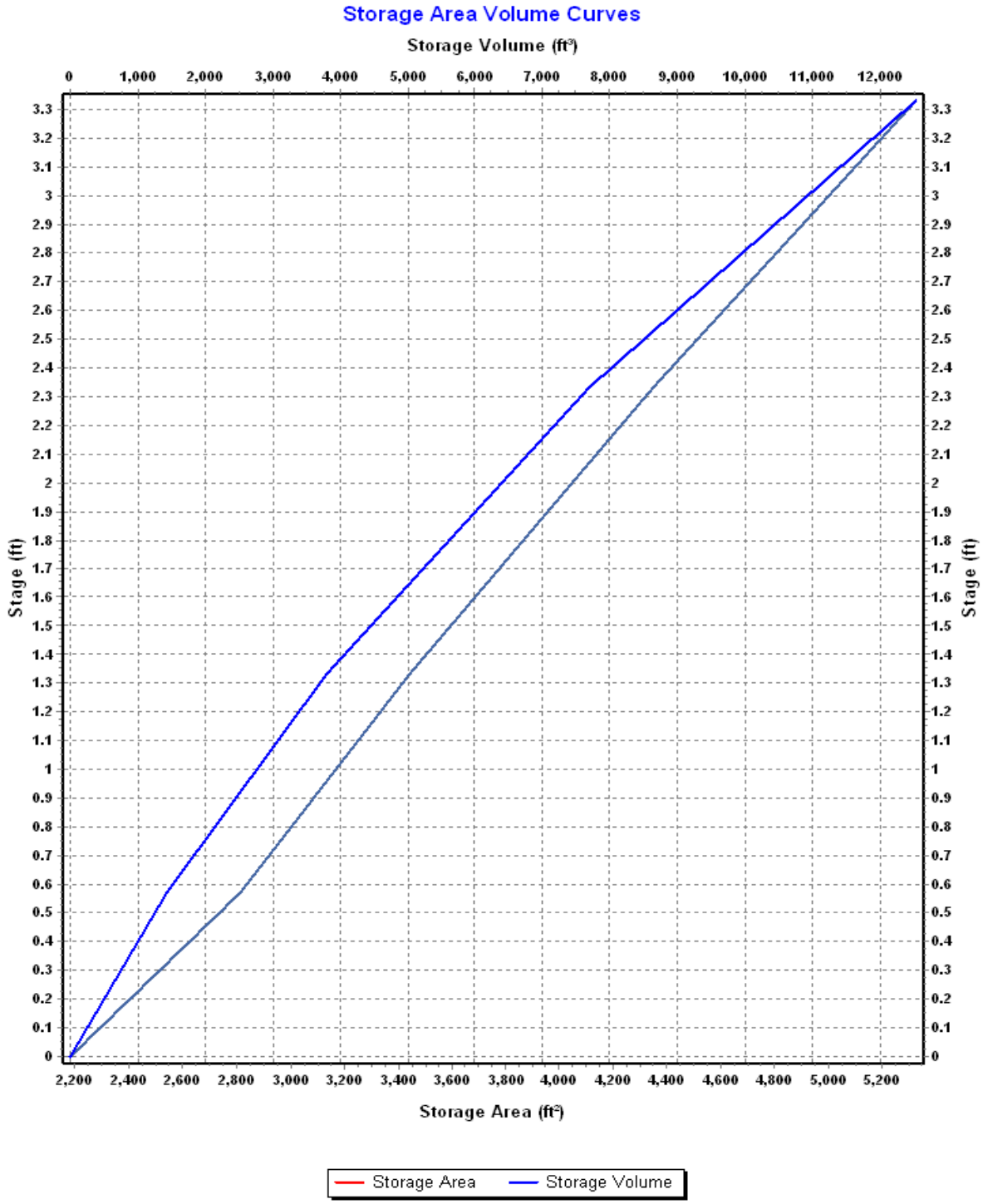
Input Data

Invert Elevation (ft)	308.77
Max (Rim) Elevation (ft)	312.00
Max (Rim) Offset (ft)	3.23
Initial Water Elevation (ft)	309.33
Initial Water Depth (ft)	0.56
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

Storage Area Volume Curves

Storage Curve : Storage-09

Stage (ft)	Storage Area (ft²)	Storage Volume (ft³)
0	2183	0.000
.57	2815	1424.43
1.33	3441	3801.71
2.33	4347	7695.71
3.33	5324	12531.21


Storage Area Volume Curves
Storage Volume (ft³)
0
1,000
2,000
3,000
4,000
5,000
6,000
7,000
8,000
9,000
10,000
11,000
12,000
Stage (ft)
3.3
3.2
3.1
3
2.9
2.8
2.7
2.6
2.5
2.4
2.3
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2,200
2,400
2,600
2,800
3,000
3,200
3,400
3,600
3,800
4,000
4,200
4,400
4,600
4,800
5,000
5,200
Storage Area (ft²)
Storage Area
Storage Volume

Storage Node : WETLAND-C1 (continued)

Outflow Weirs

Element ID	Weir Type	Crest Elevation (ft)	Length (ft)	Weir Total Height (ft)	Discharge Coefficient
SPILLWAY-C1	Trapezoidal	310.70	10.00	1.30	3.33

Outflow Orifices

Element ID	Orifice Type	Orifice Shape	Circular Orifice Diameter (in)	Rectangular Orifice Height (in)	Rectangular Orifice Width (in)	Orifice Invert Elevation (ft)	Orifice Coefficient
ORIF-C1	Side	CIRCULAR	0.83			308.10	0.61

Output Summary Results

Peak Inflow (cfs)	1.66
Peak Lateral Inflow (cfs)	1.66
Peak Outflow (cfs)	0.02
Peak Exfiltration Flow Rate (cfm)	0.00
Max HGL Elevation Attained (ft)	310.61
Max HGL Depth Attained (ft)	1.84
Average HGL Elevation Attained (ft)	309.87
Average HGL Depth Attained (ft)	1.1
Time of Max HGL Occurrence (days hh:mm)	0 23:45
Total Exfiltration Volume (1000-ft³)	0.000
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	0
Total Retention Time (sec)	0.00

Storage Node : WETLAND-C2

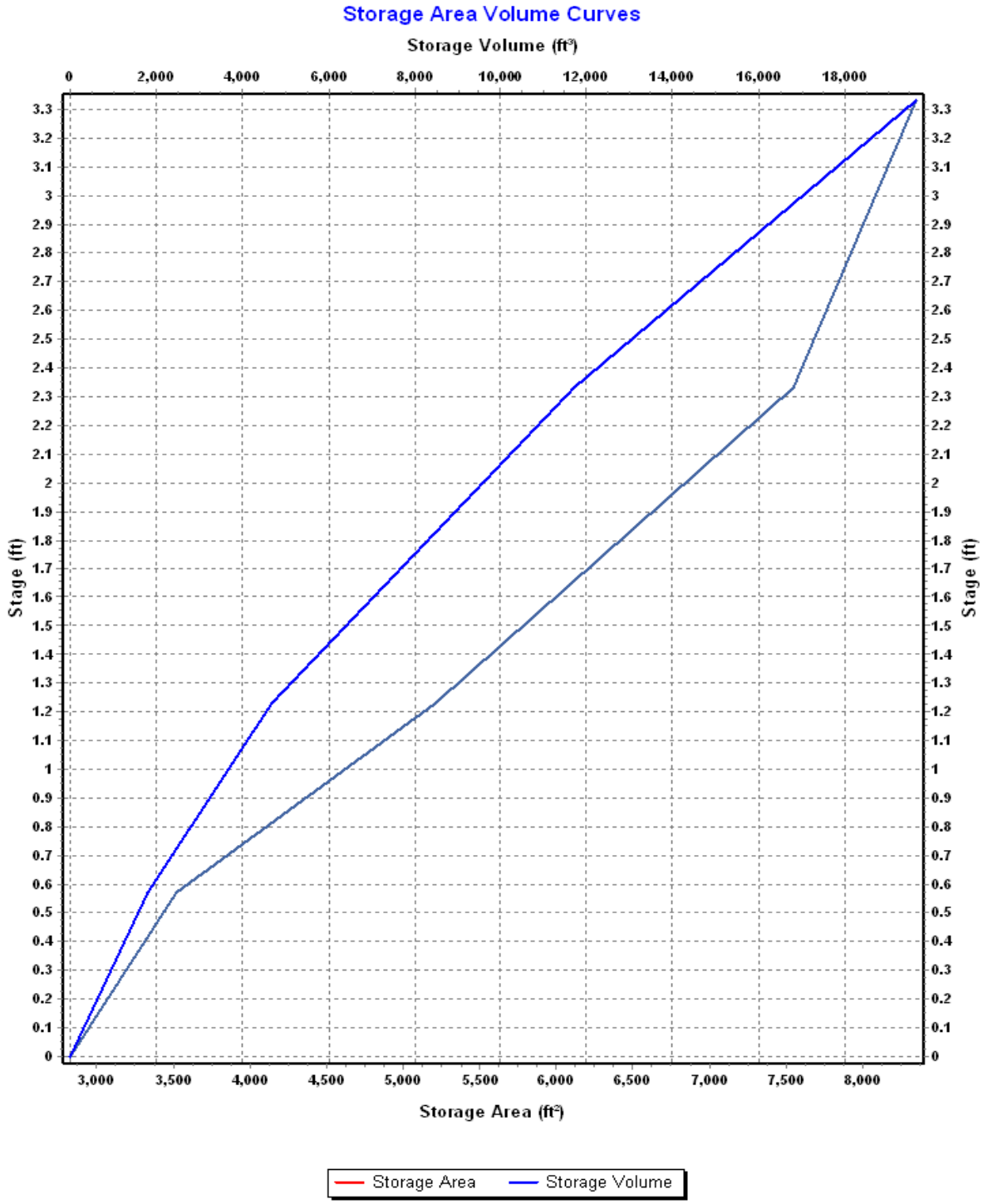
Input Data

Invert Elevation (ft) 308.77
Max (Rim) Elevation (ft) 312.00
Max (Rim) Offset (ft) 3.23
Initial Water Elevation (ft) 309.42
Initial Water Depth (ft) 0.65
Ponded Area (ft²) 0.00
Evaporation Loss 0.00

Storage Area Volume Curves

Storage Curve : Storage-07

Stage (ft)	Storage Area (ft²)	Storage Volume (ft³)
0	2828	0.000
.57	3522	1809.75
1.23	5207	4690.32
2.33	7549	11706.12
3.33	8345	19653.12


Storage Area Volume Curves
Storage Volume (ft³)
0
2,000
4,000
6,000
8,000
10,000
12,000
14,000
16,000
18,000
Stage (ft)
3.3
3.2
3.1
3
2.9
2.8
2.7
2.6
2.5
2.4
2.3
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
3,000
3,500
4,000
4,500
5,000
5,500
6,000
6,500
7,000
7,500
8,000
Storage Area (ft²)
Storage Area
Storage Volume

Storage Node : WETLAND-C2 (continued)

Outflow Weirs

Element ID	Weir Type	Crest Elevation (ft)	Length (ft)	Weir Total Height (ft)	Discharge Coefficient
SPILLWAY-C2	Trapezoidal	310.80	10.00	1.20	3.10

Outflow Orifices

Element ID	Orifice Type	Orifice Shape	Circular Orifice Diameter (in)	Rectangular Orifice Height (in)	Rectangular Orifice Width (in)	Orifice Invert Elevation (ft)	Orifice Coefficient
ORIF-C2A	Side	CIRCULAR	0.83			308.10	0.61

Output Summary Results

Peak Inflow (cfs) 1.39
Peak Lateral Inflow (cfs) 1.39
Peak Outflow (cfs) 0.02
Peak Exfiltration Flow Rate (cfm) 0.00
Max HGL Elevation Attained (ft) 310.52
Max HGL Depth Attained (ft) 1.75
Average HGL Elevation Attained (ft) 309.88
Average HGL Depth Attained (ft) 1.11
Time of Max HGL Occurrence (days hh:mm) 1 00:00
Total Exfiltration Volume (1000-ft³) 0.000
Total Flooded Volume (ac-in) 0
Total Time Flooded (min) 0
Total Retention Time (sec) 0.00

Project Description

File Name ..... Proposed Conditions 7-2-18.SPF

Project Options

Flow Units ..... CFS
Elevation Type ..... Elevation
Hydrology Method ..... SCS TR-55
Time of Concentration (TOC) Method ..... SCS TR-55
Link Routing Method ..... Kinematic Wave
Enable Overflow Ponding at Nodes ..... YES
Skip Steady State Analysis Time Periods ..... NO

Analysis Options

Start Analysis On ..... Jul 13, 2017 00:00:00
End Analysis On ..... Jul 14, 2017 00:00:00
Start Reporting On ..... Jul 13, 2017 00:00:00
Antecedent Dry Days ..... 0 days
Runoff (Dry Weather) Time Step ..... 0 01:00:00 days hh:mm:ss
Runoff (Wet Weather) Time Step ..... 0 00:05:00 days hh:mm:ss
Reporting Time Step ..... 0 00:05:00 days hh:mm:ss
Routing Time Step ..... 30 seconds

Number of Elements

	Qty
Rain Gages	1
Subbasins	9
Nodes	16
Junctions	7
Outfalls	5
Flow Diversions	0
Inlets	0
Storage Nodes	4
Links	15
Channels	2
Pipes	5
Pumps	0
Orifices	5
Weirs	3
Outlets	0
Pollutants	0
Land Uses	0

Rainfall Details

SN	Rain Gage ID	Data Source	Data Source ID	Rainfall Type	Rain Units	State	County	Return Period (years)	Rainfall Depth (inches)	Rainfall Distribution
1	Rain Gage-01	Time Series	TS-25	Cumulative	inches	Maine	Androscoggin	25	5.49	SCS Type III 24-hr

Subbasin Summary

Subbasin ID	Area (ac)	Weighted Curve Number	Total Rainfall (in)	Total Runoff (in)	Total Runoff Volume (ac-in)	Peak Runoff (cfs)	Time of Concentration (days hh:mm:ss)
A1	12.28	73.16	5.49	2.69	32.97	17.35	0 00:49:44
A2	6.41	81.47	5.49	3.47	22.23	20.10	0 00:12:48
A3	4.01	71.75	5.49	2.56	10.27	10.03	0 00:09:08
B	5.14	75.65	5.49	2.91	14.97	10.95	0 00:24:28
C1-WETLAND	0.75	75.95	5.49	2.94	2.21	2.30	0 00:05:00
C2-WETLAND	0.73	82.63	5.49	3.58	2.62	1.82	0 00:27:24
C3-BYPASS	21.22	71.79	5.49	2.56	54.39	19.95	0 01:29:22
D	0.69	77.00	5.49	3.04	2.10	1.93	0 00:12:07
E	2.96	77.00	5.49	3.04	8.99	8.13	0 00:13:08

Node Summary

Element ID	Element Type	Invert Elevation (ft)
CB1	Junction	305.30
CB2	Junction	312.00
END-SECTION-C1	Junction	308.00
END-SECTION-C2	Junction	308.00
OUTLET-STR-A2	Junction	305.60
OUTLET-STR-C1	Junction	308.10
OUTLET-STR-C2	Junction	308.10
OUT-A	Outfall	298.00
OUT-B	Outfall	310.00
OUT-C	Outfall	298.00
OUT-D	Outfall	338.00
OUT-E	Outfall	298.00
DETENTION-A	Storage Node	309.50
FILTER-A2	Storage Node	308.00
WETLAND-C1	Storage Node	308.77
WETLAND-C2	Storage Node	308.77

Link Summary

Element ID	Element Type	From (Inlet) Node	To (Outlet) Node	Length	Inlet Invert Elevation	Outlet Invert Elevation	Average Slope	Diameter or Height	Manning's Roughness	Peak Flow	Design Flow Capacity	Peak Flow Velocity	Peak Flow Depth
				(ft)	(ft)	(ft)	(%)	(in)		(cfs)	(cfs)	(ft/sec)	(ft)
CULV-A	Pipe	CB1	OUT-A	98.00	305.30	305.12	0.1800	36.000	0.0150	14.63	24.77	3.65	1.66
CULV-A2-1	Pipe	CB2	FILTER-A2	104.00	312.00	310.00	1.9200	24.000	0.0150	20.01	27.19	9.48	1.28
CULV-A2-2	Pipe	OUTLET-STR-A2	CB1	43.00	305.60	305.30	0.7000	24.000	0.0150	9.20	16.38	5.36	1.07
CULV-C1	Pipe	OUTLET-STR-C1	END-SECTION-C1	30.00	308.10	308.00	0.3300	12.000	0.0130	0.03	2.06	0.90	0.08
CULV-C2	Pipe	OUTLET-STR-C2	END-SECTION-C2	30.00	308.10	308.00	0.3300	12.000	0.0130	0.03	2.06	0.91	0.08
WETLAND-CHANNEL-C1	Channel	END-SECTION-C1	OUT-C	2050.00	308.00	298.00	0.4900	6.000	0.0320	0.10	101.48	0.00	0.01
WETLAND-CHANNEL-C2	Channel	END-SECTION-C2	OUT-C	1712.00	308.00	298.00	0.5800	6.000	0.0320	0.04	111.05	0.00	0.00
BEEHIVE-GRATE	Orifice	DETENTION-A	CB1		309.50	305.30		18.167		1.09			
ORIF-A2	Orifice	FILTER-A2	OUTLET-STR-A2		308.00	305.60		6.000		9.20			
ORIF-C1	Orifice	WETLAND-C1	OUTLET-STR-C1		308.77	308.10		0.830		0.03			
ORIF-C2A	Orifice	WETLAND-C2	OUTLET-STR-C2		308.77	308.10		0.830		0.03			
ORIF-DET-A	Orifice	DETENTION-A	CB1		309.50	305.30		4.000		4.58			
SPILLWAY-A2	Weir	FILTER-A2	DETENTION-A		308.00	309.50				7.62			
SPILLWAY-C1	Weir	WETLAND-C1	END-SECTION-C1		308.77	308.00				0.14			
SPILLWAY-C2	Weir	WETLAND-C2	END-SECTION-C2		308.77	308.00				0.02			

Subbasin Hydrology

Subbasin : A1

Input Data

Area (ac) 12.28
Weighted Curve Number 73.16
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	4.58	D	77.00
> 75% grass cover, Good	0.68	C	74.00
Woods, Good	6.62	C	70.00
> 75% grass cover, Good	0.40	D	80.00
Composite Area & Weighted CN	12.28		73.16

Time of Concentration

TOC Method : SCS TR-55

Sheet Flow Equation :

Tc = (0.007 * ((n * Lf)^0.8)) / ((P^0.5) * (Sf^0.4))

Where :

Tc = Time of Concentration (hr)
n = Manning's roughness
Lf = Flow Length (ft)
P = 2 yr, 24 hr Rainfall (inches)
Sf = Slope (ft/ft)

Shallow Concentrated Flow Equation :

V = 16.1345 * (Sf^0.5) (unpaved surface)
V = 20.3282 * (Sf^0.5) (paved surface)
V = 15.0 * (Sf^0.5) (grassed waterway surface)
V = 10.0 * (Sf^0.5) (nearly bare & untilled surface)
V = 9.0 * (Sf^0.5) (cultivated straight rows surface)
V = 7.0 * (Sf^0.5) (short grass pasture surface)
V = 5.0 * (Sf^0.5) (woodland surface)
V = 2.5 * (Sf^0.5) (forest w/heavy litter surface)
Tc = (Lf / V) / (3600 sec/hr)

Where:

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)

Channel Flow Equation :

V = (1.49 * (R^(2/3)) * (Sf^0.5)) / n
R = Aq / Wp
Tc = (Lf / V) / (3600 sec/hr)

Where :

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
R = Hydraulic Radius (ft)
Aq = Flow Area (ft²)
Wp = Wetted Perimeter (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)
n = Manning's roughness

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	2	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.05	0.00	0.00
Computed Flow Time (min) :	30.68	0.00	0.00

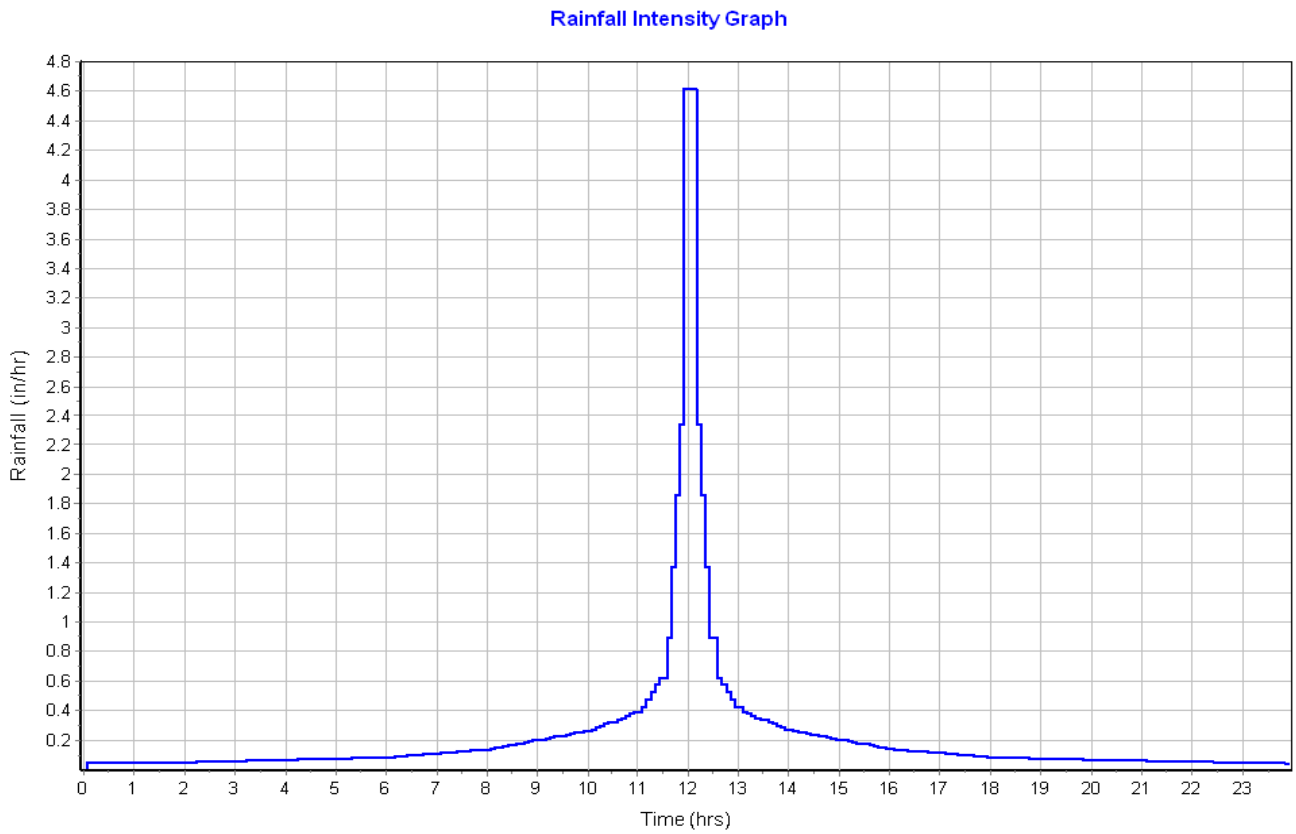
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	1510	0.00	0.00
Slope (%) :	.78	0.00	0.00
Surface Type :		Unpaved	Unpaved
Velocity (ft/sec) :	1.32	0.00	0.00
Computed Flow Time (min) :	19.07	0.00	0.00

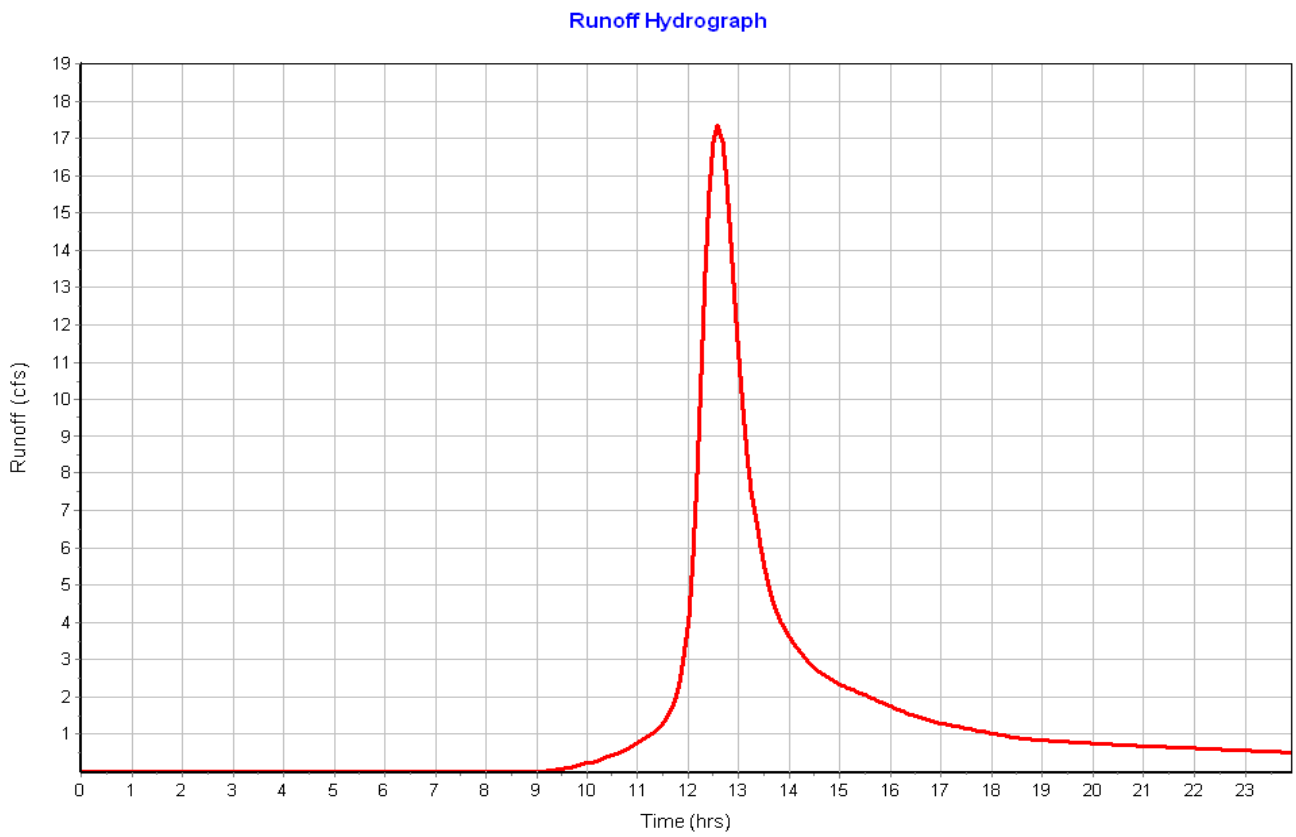
Total TOC (min) 49.74

Subbasin Runoff Results

Total Rainfall (in) 5.49
Total Runoff (in) 2.69
Peak Runoff (cfs) 17.35
Weighted Curve Number 73.16
Time of Concentration (days hh:mm:ss) 0 00:49:44

Subbasin : A1


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : A2

Input Data

Area (ac) 6.41
Weighted Curve Number 81.47
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.13	D	77.00
Roofs	1.77	D	98.00
> 75% grass cover, Good	1.87	D	80.00
Stone_Pad	1.80	D	60.00
Gravel roads	0.17	D	91.00
Pavement	0.67	D	98.00
Composite Area & Weighted CN	6.41		81.47

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	85	0.00	0.00
Slope (%) :	33.33	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.22	0.00	0.00
Computed Flow Time (min) :	6.32	0.00	0.00

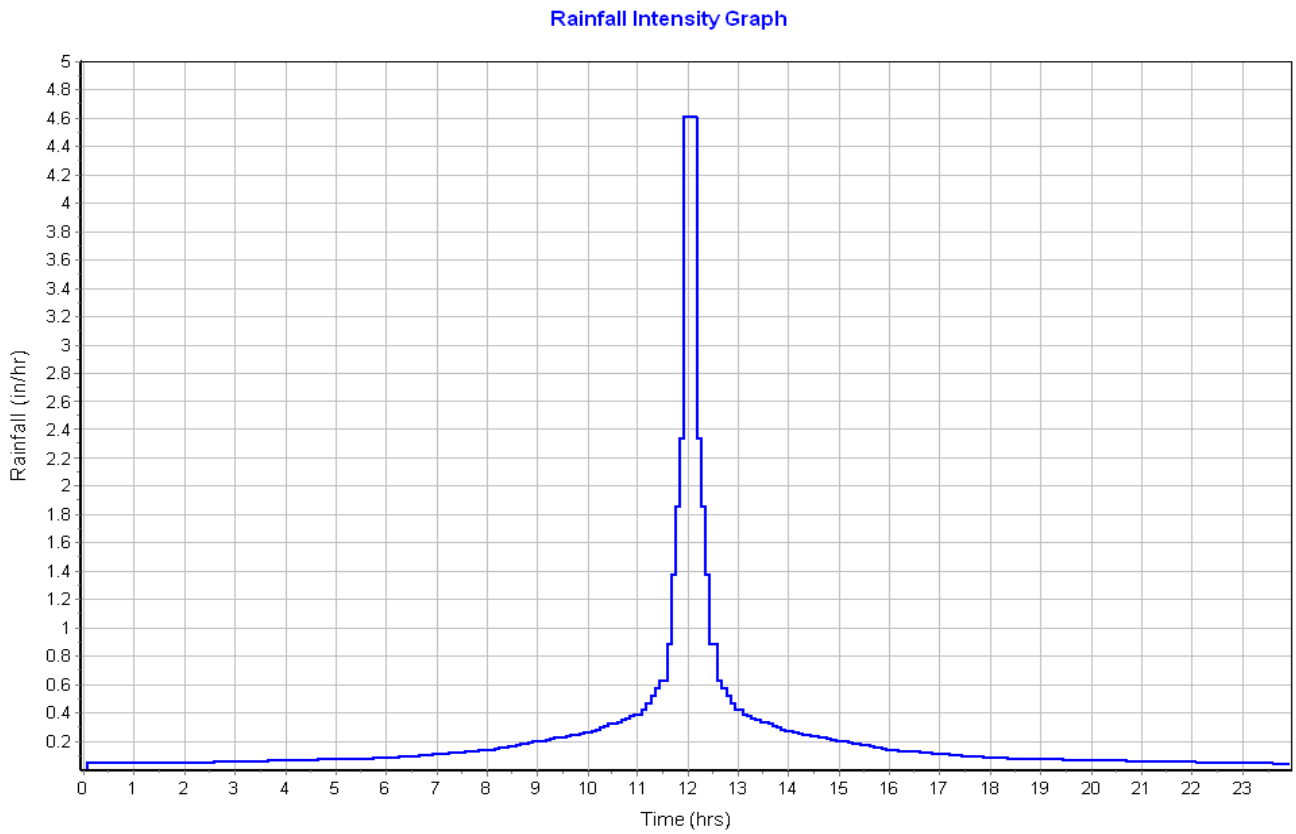
Channel Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.04	0.00	0.00
Flow Length (ft) :	1138	0.00	0.00
Channel Slope (%) :	1.4	0.00	0.00
Cross Section Area (ft²) :	4.398	0.00	0.00
Wetted Perimeter (ft) :	8.12	0.00	0.00
Velocity (ft/sec) :	2.93	0.00	0.00
Computed Flow Time (min) :	6.48	0.00	0.00

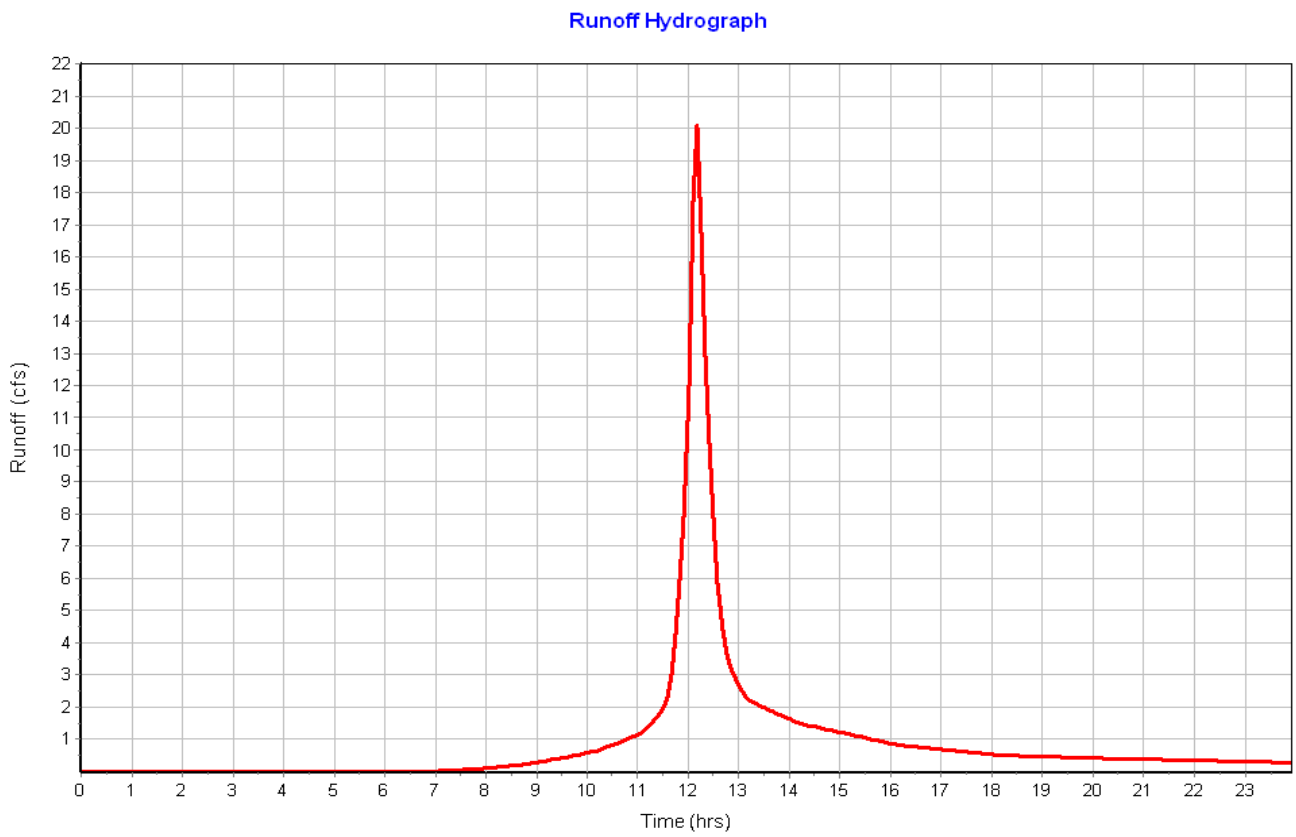
Total TOC (min) 12.80

Subbasin Runoff Results

Total Rainfall (in) 5.49
Total Runoff (in) 3.47
Peak Runoff (cfs) 20.10
Weighted Curve Number 81.47
Time of Concentration (days hh:mm:ss) 0 00:12:48

Subbasin : A2


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : A3

Input Data

Area (ac) 4.01
Weighted Curve Number 71.75
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
> 75% grass cover, Good	0.75	D	80.00
> 75% grass cover, Good	0.14	C	74.00
Stone_Pad	2.28	D	60.00
Roofs	0.19	D	98.00
Gravel roads	0.25	D	91.00
Pavement	0.35	D	98.00
Foundations	0.05	D	98.00
Composite Area & Weighted CN	4.01		71.75

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.01	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	2	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	1.44	0.00	0.00
Computed Flow Time (min) :	1.16	0.00	0.00

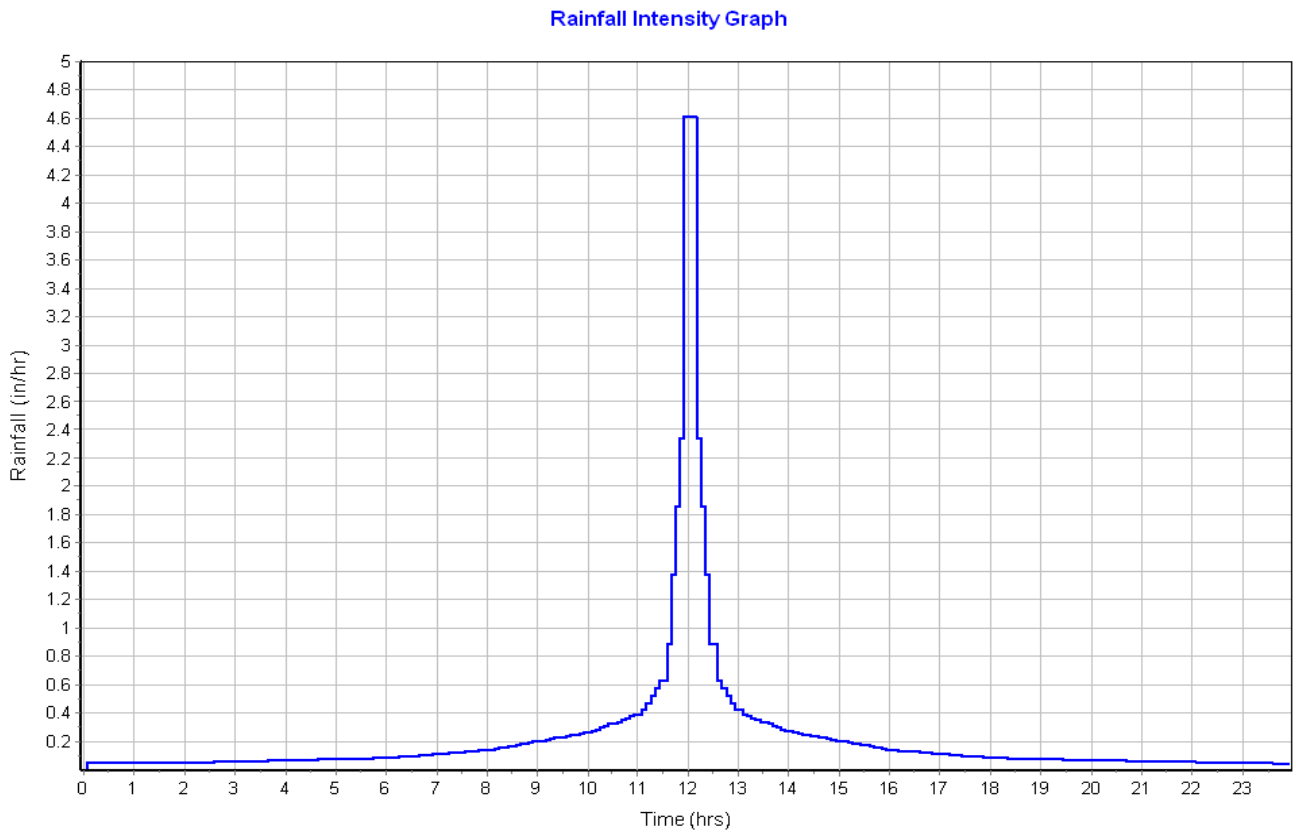
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	548	25	200
Slope (%) :	2	33.33	1.5
Surface Type :	Unpaved		
Velocity (ft/sec) :	2.28	4.04	0.86
Computed Flow Time (min) :	4.01	0.10	3.88

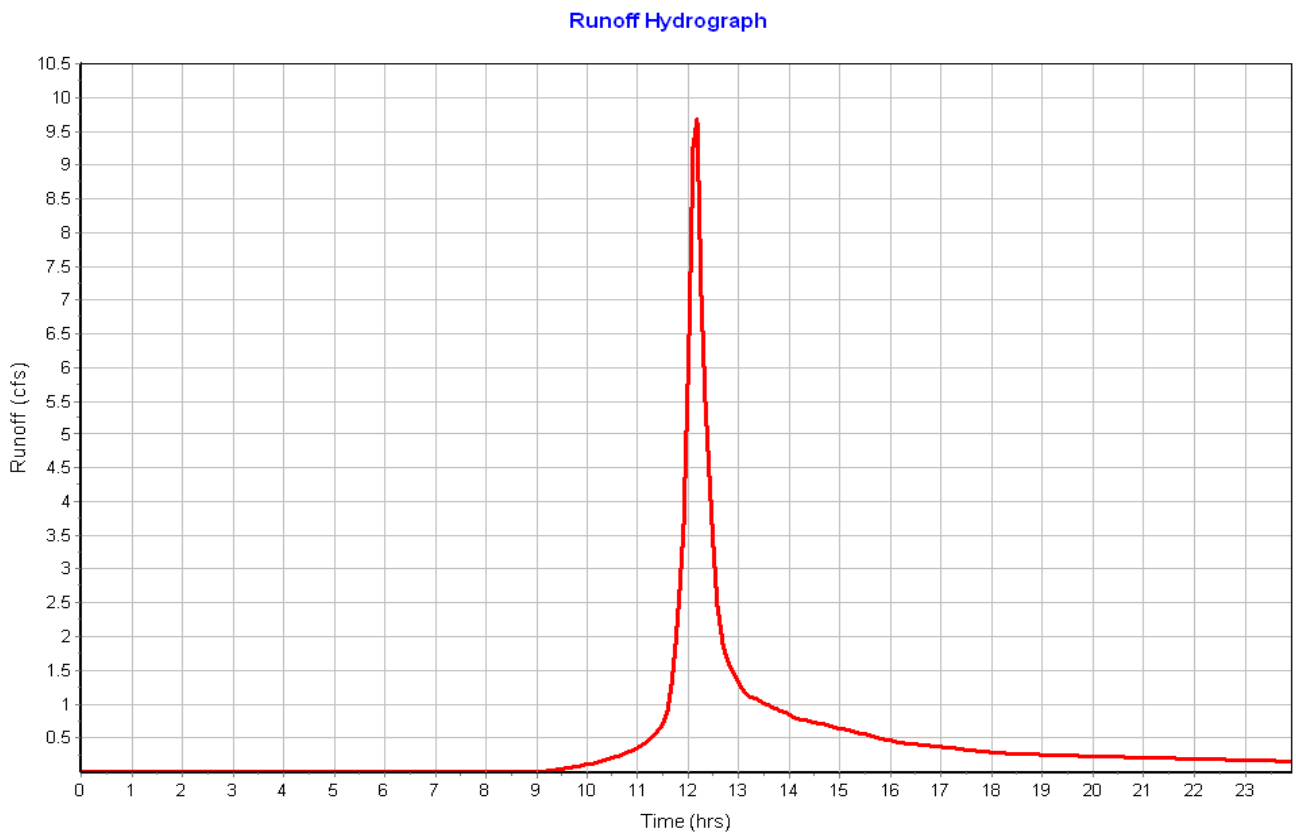
Total TOC (min) 9.14

Subbasin Runoff Results

Total Rainfall (in) 5.49
Total Runoff (in) 2.56
Peak Runoff (cfs) 10.03
Weighted Curve Number 71.75
Time of Concentration (days hh:mm:ss) 0 00:09:08

Subbasin : A3


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : B

Input Data

Area (ac) 5.14
Weighted Curve Number 75.65
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	1.20	C	70.00
Woods, Good	3.45	D	77.00
> 75% grass cover, Good	0.49	D	80.00
Composite Area & Weighted CN	5.14		75.65

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	90	0.00	0.00
Slope (%) :	33.33	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.23	0.00	0.00
Computed Flow Time (min) :	6.62	0.00	0.00

Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	368	0.00	0.00
Slope (%) :	1.63	0.00	0.00
Surface Type :		Unpaved	Unpaved
Velocity (ft/sec) :	1.92	0.00	0.00
Computed Flow Time (min) :	3.19	0.00	0.00

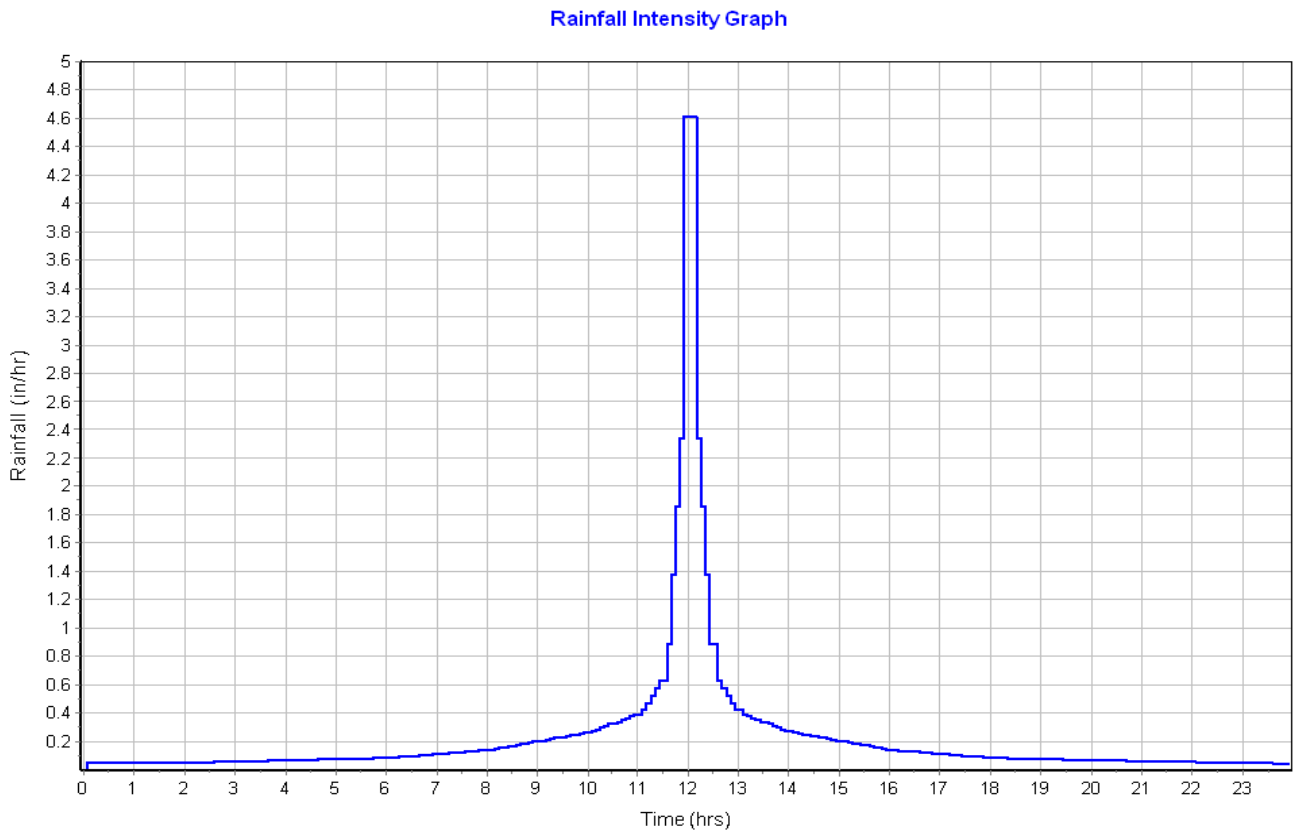
Channel Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.3	.3	0.00
Flow Length (ft) :	272	85	0.00
Channel Slope (%) :	1.4	16.7	0.00
Cross Section Area (ft^2) :	3.287	1.367	0.00
Wetted Perimeter (ft) :	7.17	5.15	0.00
Velocity (ft/sec) :	0.35	0.84	0.00
Computed Flow Time (min) :	12.97	1.69	0.00

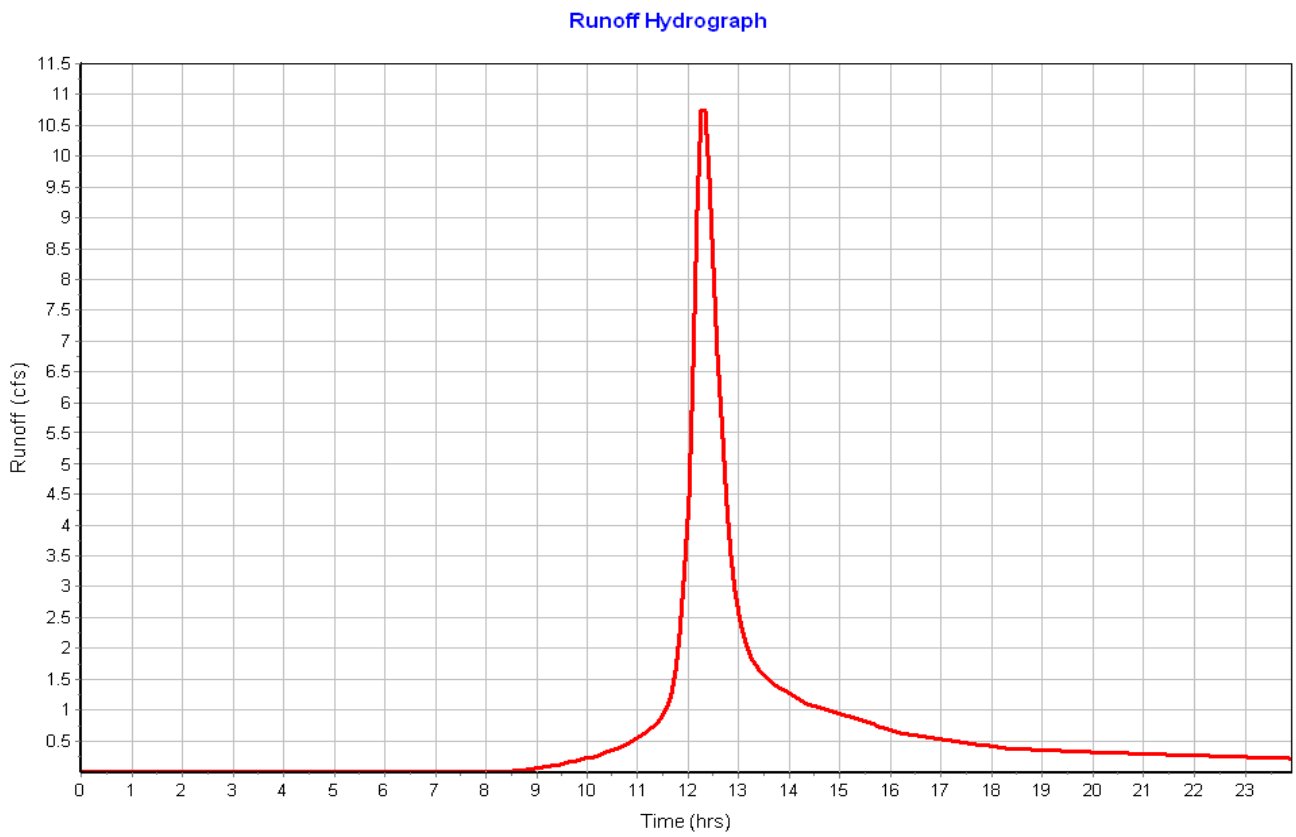
Total TOC (min) 24.48

Subbasin Runoff Results

Total Rainfall (in) 5.49
Total Runoff (in) 2.91
Peak Runoff (cfs) 10.95
Weighted Curve Number 75.65
Time of Concentration (days hh:mm:ss) 0 00:24:29

Subbasin : B


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : C1-WETLAND

Input Data

Area (ac) 0.75
Weighted Curve Number 75.95
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.12	D	77.00
> 75% grass cover, Good	0.04	A	39.00
> 75% grass cover, Good	0.05	D	80.00
> 75% grass cover, Good	0.34	C	74.00
Woods, Good	0.02	C	70.00
Gravel roads	0.04	A	76.00
Gravel roads	0.09	C	89.00
Gravel roads	0.05	D	91.00
Composite Area & Weighted CN	0.75		75.95

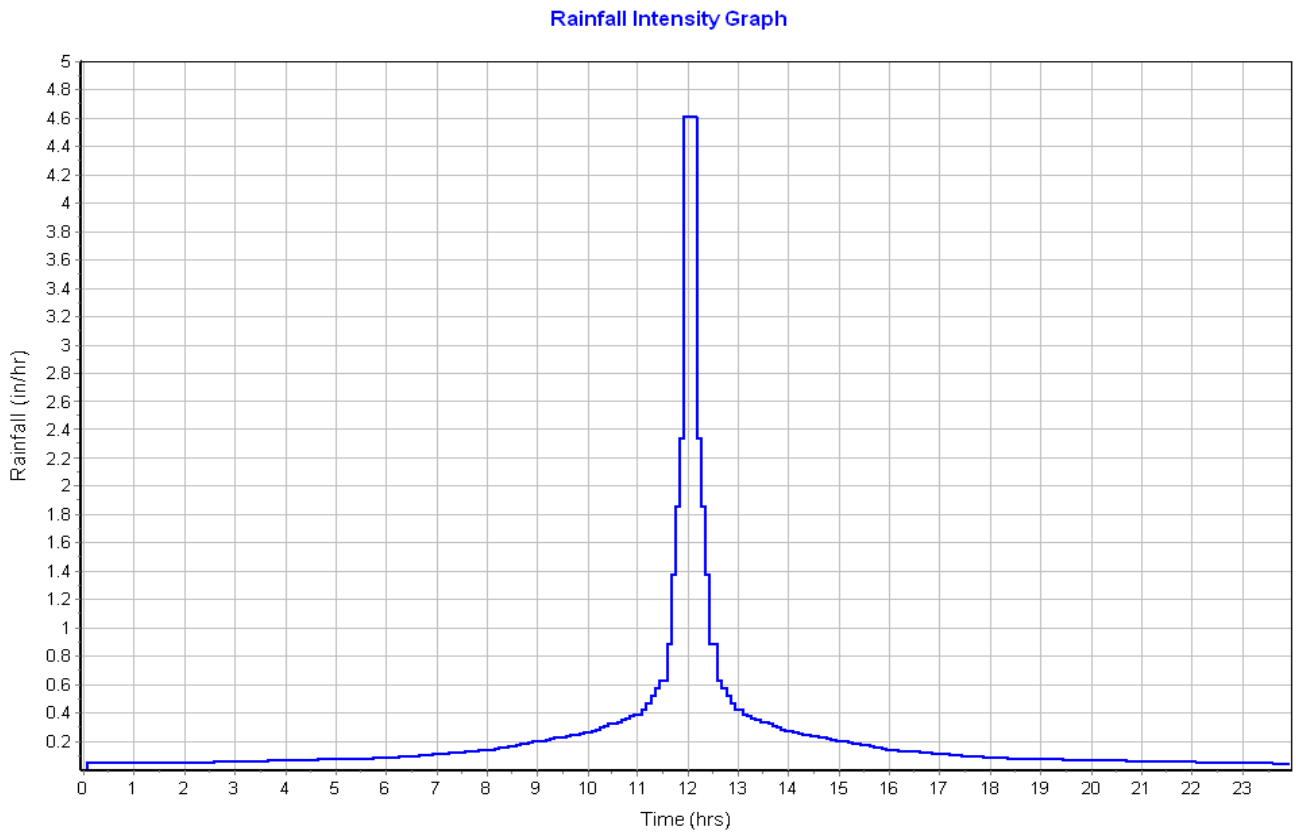
Time of Concentration

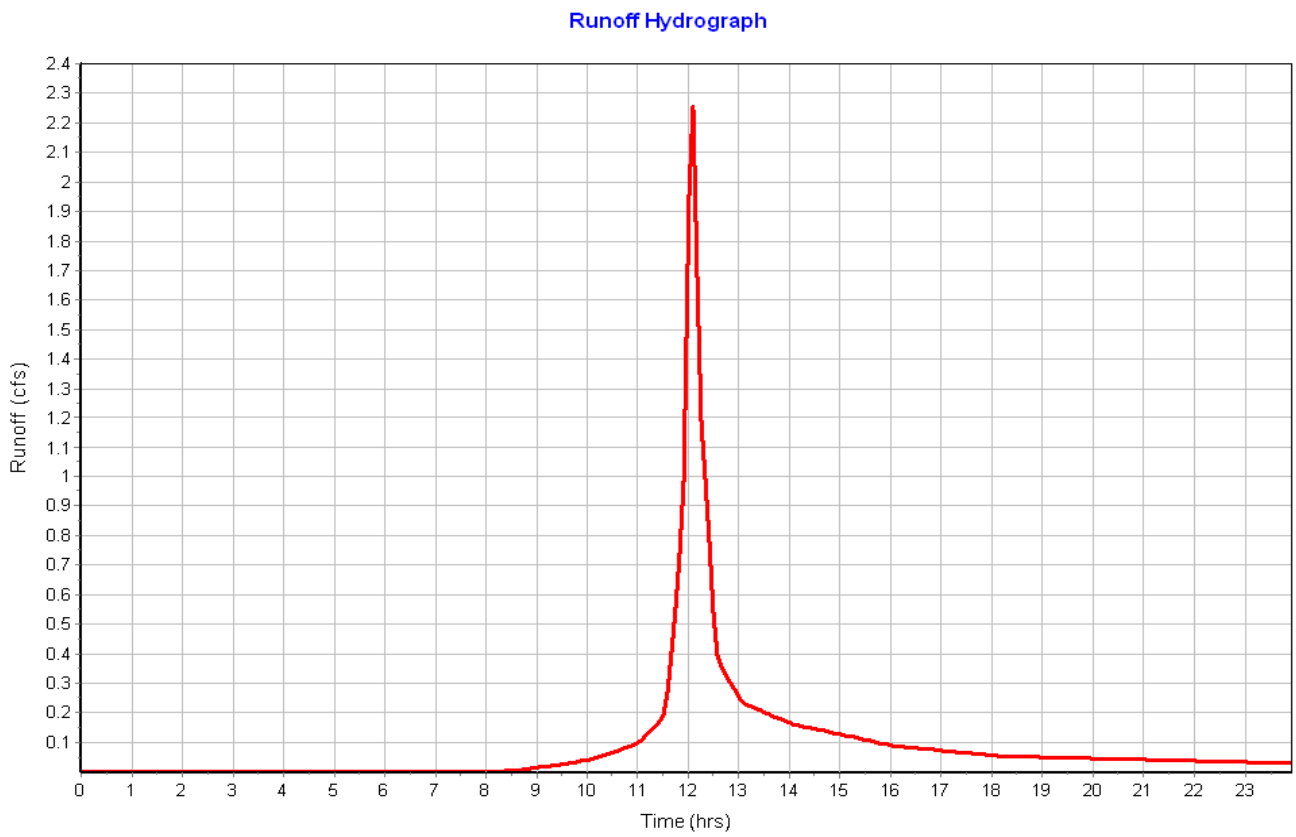
User-Defined TOC override (minutes): 5

Subbasin Runoff Results

Total Rainfall (in) 5.49
Total Runoff (in) 2.94
Peak Runoff (cfs) 2.30
Weighted Curve Number 75.95
Time of Concentration (days hh:mm:ss) 0 00:05:00

Subbasin : C1-WETLAND





Subbasin : C2-WETLAND

Input Data

Area (ac) 0.73
Weighted Curve Number 82.63
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
> 75% grass cover, Good	0.31	C	74.00
Gravel roads	0.42	C	89.00
Composite Area & Weighted CN	0.73		82.63

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.01	0.00	0.00
Flow Length (ft) :	44	0.00	0.00
Slope (%) :	2	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	1.22	0.00	0.00
Computed Flow Time (min) :	0.60	0.00	0.00

Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	636	0.00	0.00
Slope (%) :	1.6	0.00	0.00
Surface Type :	Grassed waterway	Unpaved	Unpaved
Velocity (ft/sec) :	1.90	0.00	0.00
Computed Flow Time (min) :	5.58	0.00	0.00

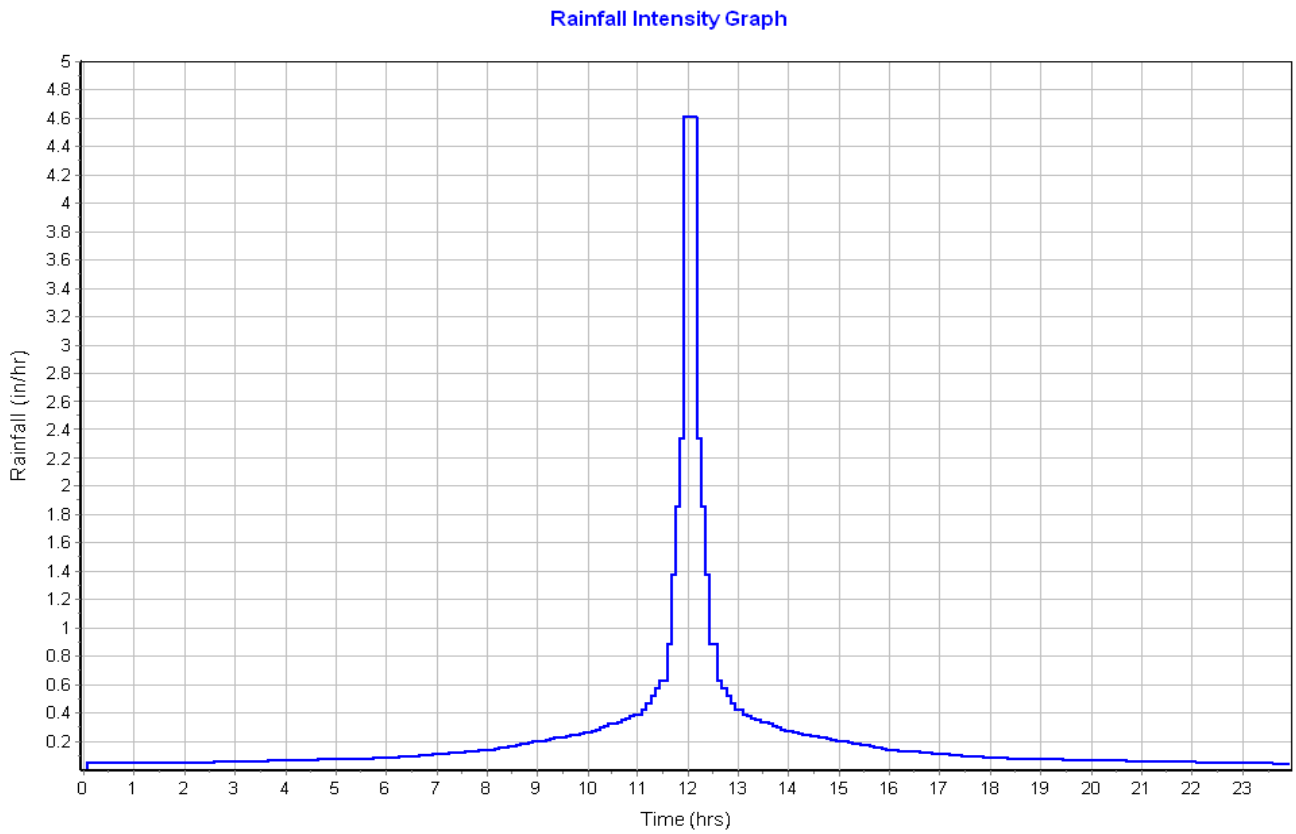
Channel Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.03	0.00	0.00
Flow Length (ft) :	2256	0.00	0.00
Channel Slope (%) :	.5	0.00	0.00
Cross Section Area (ft^2) :	2.475	0.00	0.00
Wetted Perimeter (ft) :	6.91	0.00	0.00
Velocity (ft/sec) :	1.77	0.00	0.00
Computed Flow Time (min) :	21.23	0.00	0.00

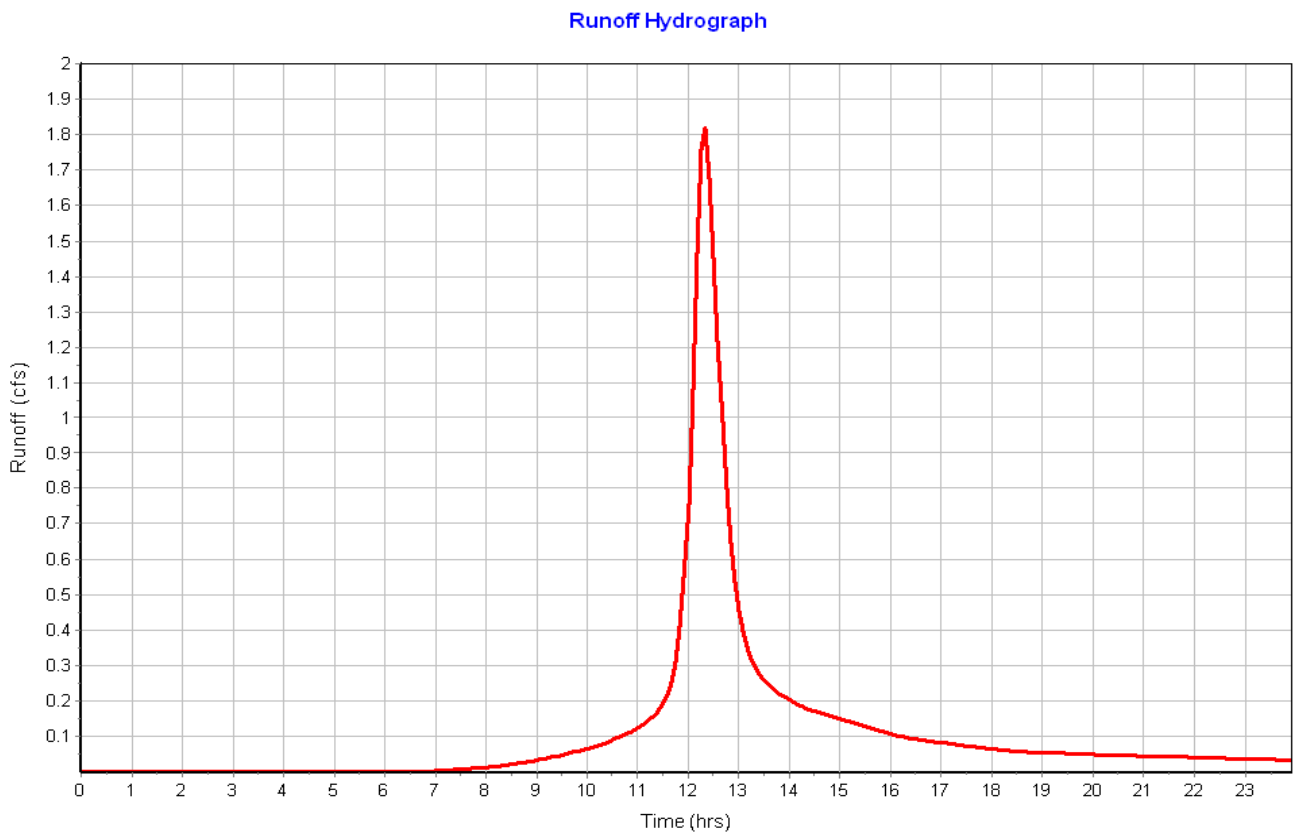
Total TOC (min) 27.41

Subbasin Runoff Results

Total Rainfall (in) 5.49
Total Runoff (in) 3.58
Peak Runoff (cfs) 1.82
Weighted Curve Number 82.63
Time of Concentration (days hh:mm:ss) 0 00:27:25

Subbasin : C2-WETLAND





Subbasin : C3-BYPASS

Input Data

Area (ac) 21.22
Weighted Curve Number 71.79
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
> 75% grass cover, Good	0.01	D	80.00
Woods, Good	12.33	C	70.00
Woods, Good	7.45	D	77.00
> 75% grass cover, Good	0.66	A	39.00
> 75% grass cover, Good	0.57	C	74.00
Gravel roads	0.20	C	89.00
Composite Area & Weighted CN	21.22		71.79

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	.47	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.03	0.00	0.00
Computed Flow Time (min) :	54.75	0.00	0.00

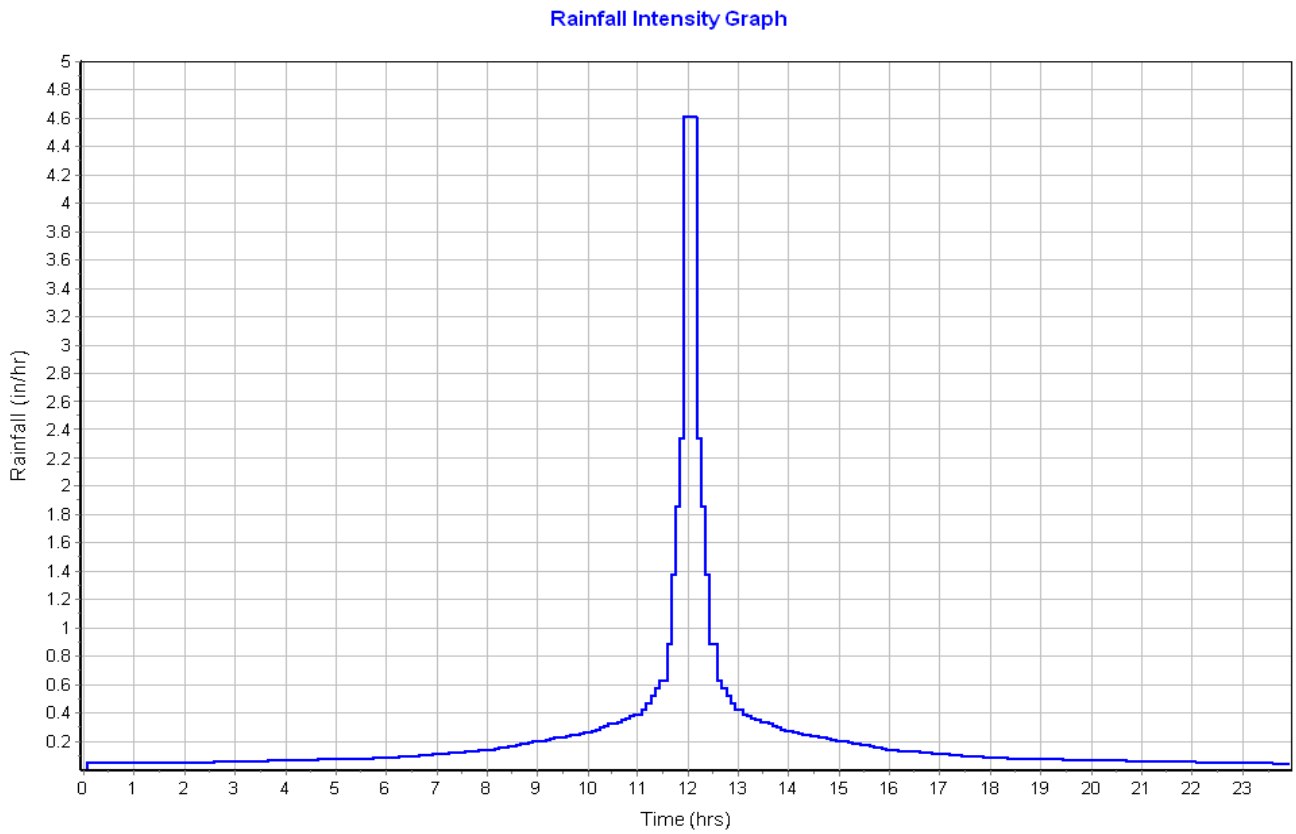
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	2140	0.00	0.00
Slope (%) :	.47	0.00	0.00
Surface Type :	Grassed waterway	Unpaved	Unpaved
Velocity (ft/sec) :	1.03	0.00	0.00
Computed Flow Time (min) :	34.63	0.00	0.00

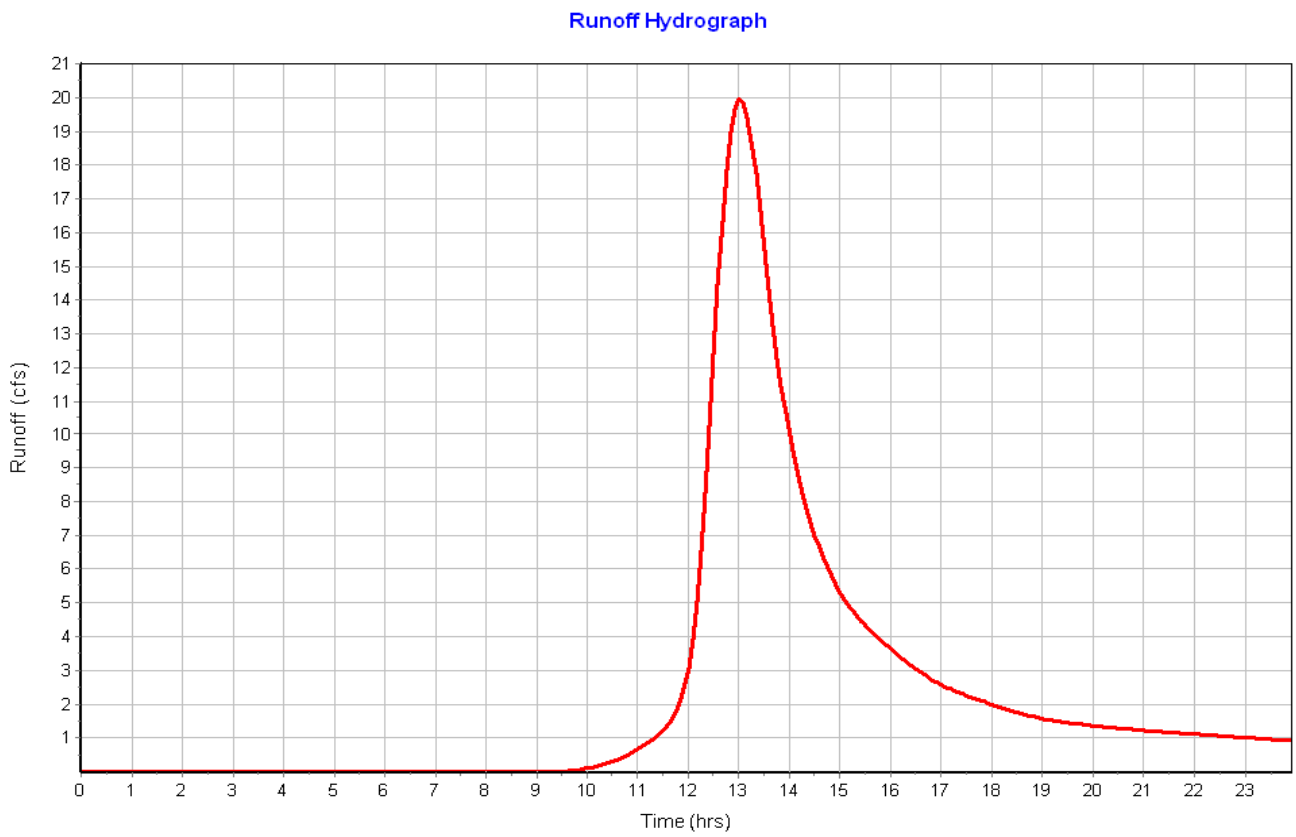
Total TOC (min) 89.38

Subbasin Runoff Results

Total Rainfall (in) 5.49
Total Runoff (in) 2.56
Peak Runoff (cfs) 19.95
Weighted Curve Number 71.79
Time of Concentration (days hh:mm:ss) 0 01:29:23

Subbasin : C3-BYPASS





Subbasin : D

Input Data

Area (ac) 0.69
Weighted Curve Number 77.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.74	D	77.00
Composite Area & Weighted CN	0.74		77.00

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	21	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.14	0.00	0.00
Computed Flow Time (min) :	11.98	0.00	0.00

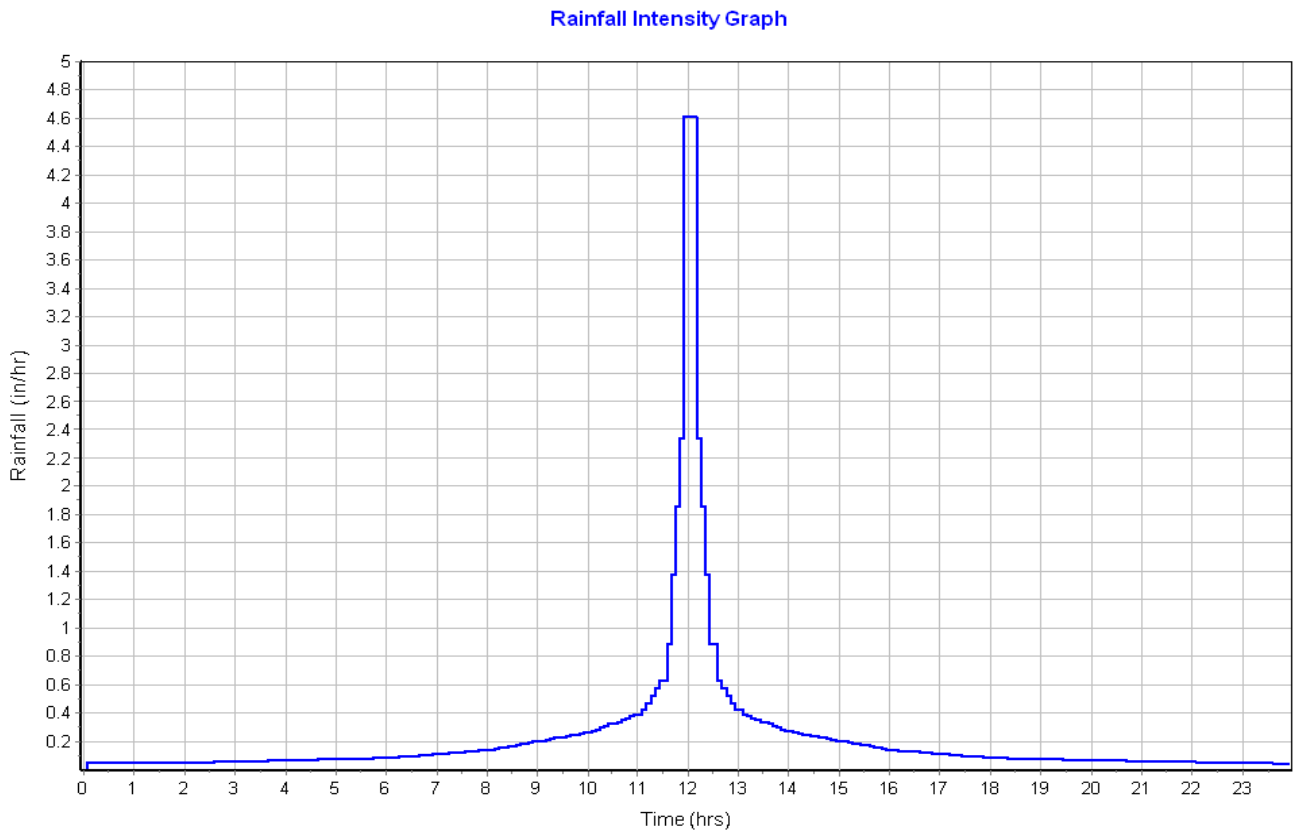
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	16	0.00	0.00
Slope (%) :	14.5	0.00	0.00
Surface Type :	Woodland	Unpaved	Unpaved
Velocity (ft/sec) :	1.90	0.00	0.00
Computed Flow Time (min) :	0.14	0.00	0.00

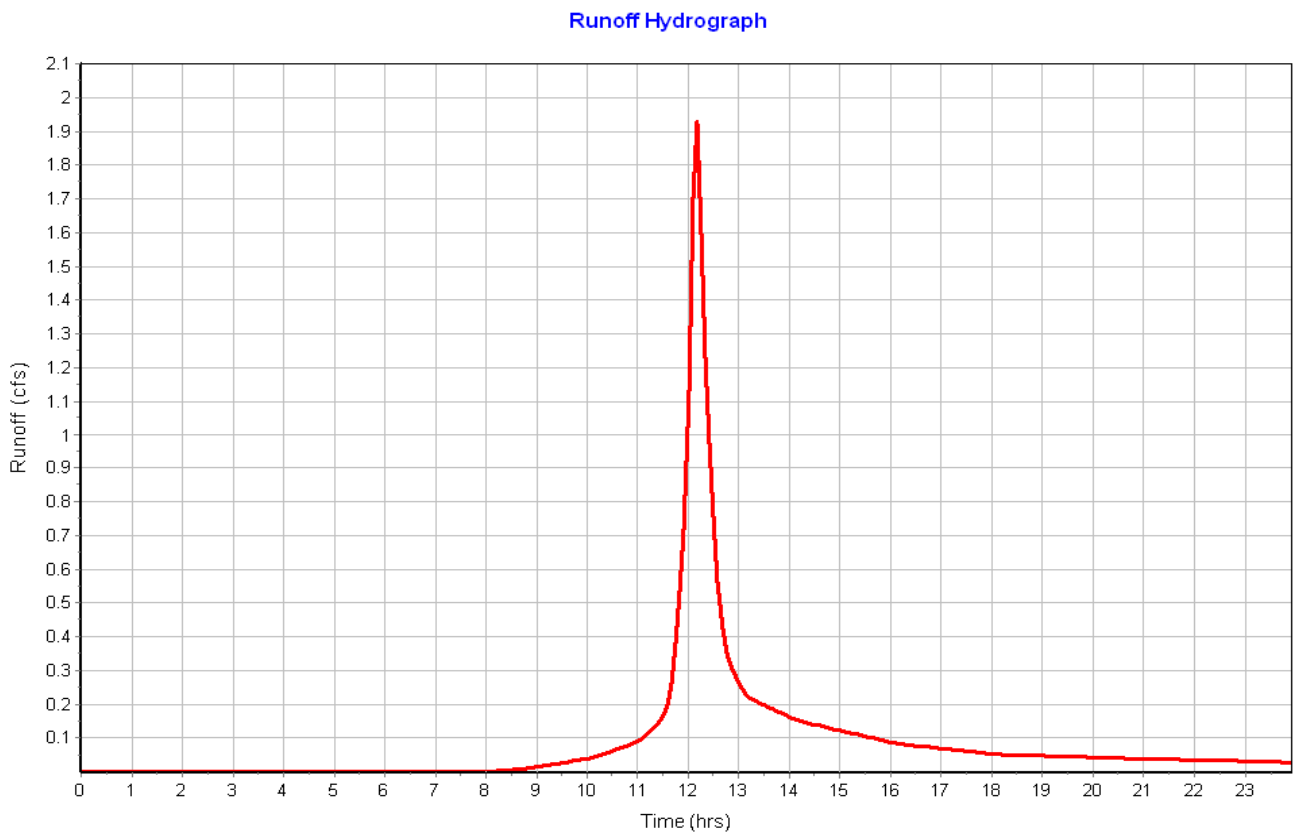
Total TOC (min) 12.12

Subbasin Runoff Results

Total Rainfall (in) 5.49
Total Runoff (in) 3.04
Peak Runoff (cfs) 1.93
Weighted Curve Number 77.00
Time of Concentration (days hh:mm:ss) 0 00:12:07

Subbasin : D


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : E

Input Data

Area (ac) 2.96
Weighted Curve Number 77.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	2.96	D	77.00
Composite Area & Weighted CN	2.96		77.00

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	24	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.15	0.00	0.00
Computed Flow Time (min) :	11.35	0.00	0.00

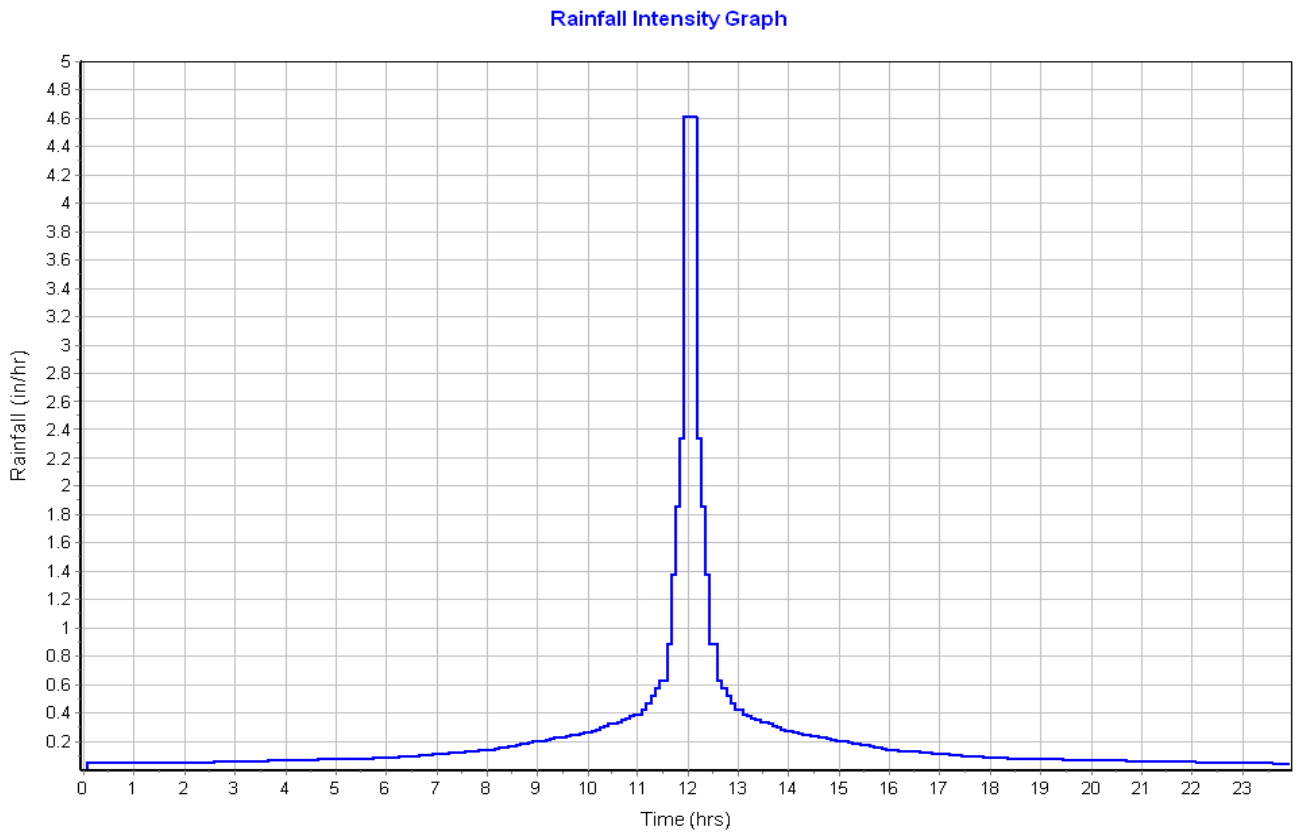
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	227	0.00	0.00
Slope (%) :	18	0.00	0.00
Surface Type :	Woodland	Unpaved	Unpaved
Velocity (ft/sec) :	2.12	0.00	0.00
Computed Flow Time (min) :	1.78	0.00	0.00

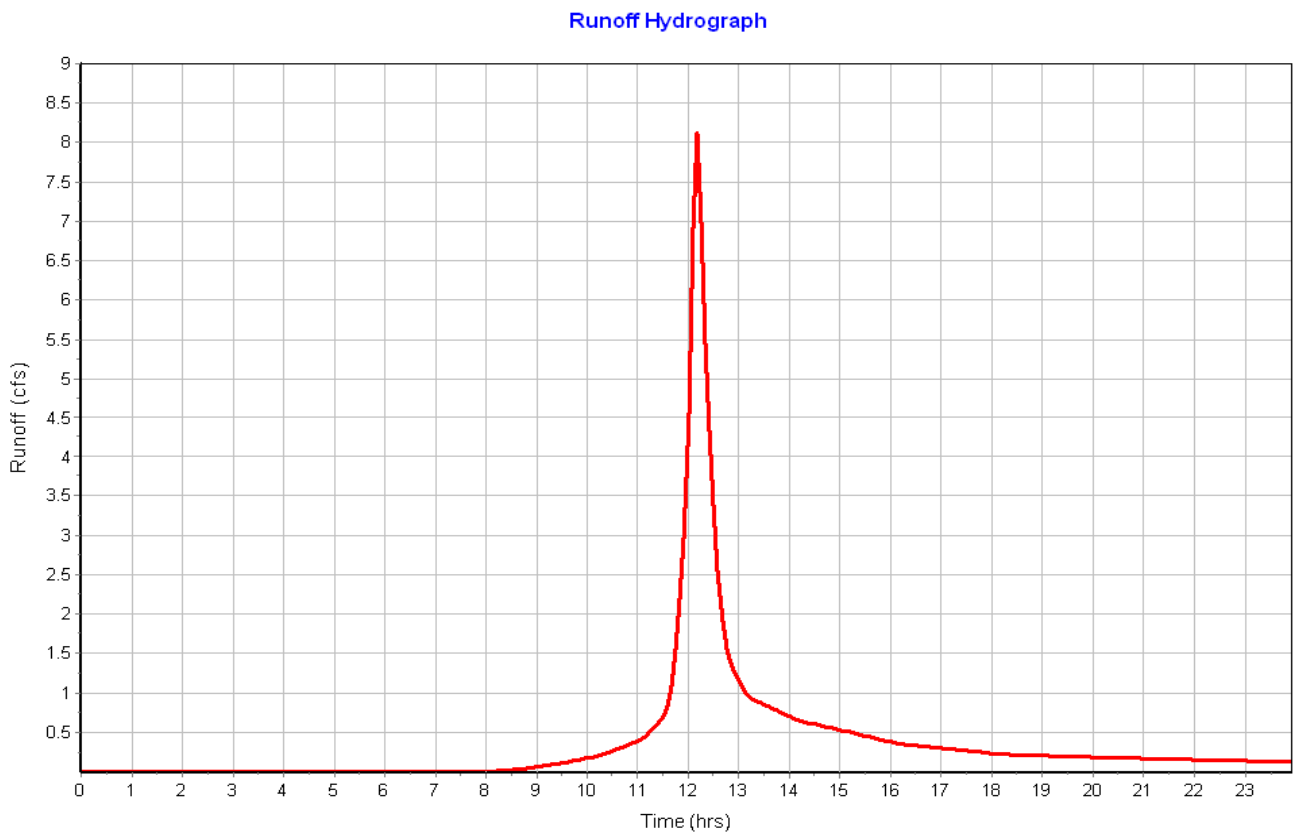
Total TOC (min) 13.14

Subbasin Runoff Results

Total Rainfall (in) 5.49
Total Runoff (in) 3.04
Peak Runoff (cfs) 8.13
Weighted Curve Number 77.00
Time of Concentration (days hh:mm:ss) 0 00:13:08

Subbasin : E


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Junction Input

Element ID	Invert Elevation (ft)	Ground/Rim (Max) Elevation (ft)
CB1	305.30	310.33
CB2	312.00	316.00
END-SECTION-C1	308.00	6.00
END-SECTION-C2	308.00	6.00
OUTLET-STR-A2	305.60	312.00
OUTLET-STR-C1	308.10	312.00
OUTLET-STR-C2	308.10	312.00

Junction Results

Element ID	Peak Inflow	Max HGL Elevation Attained	Max HGL Depth Attained	Min Freeboard Attained	Average HGL Elevation Attained	Time of Max HGL Occurrence
	(cfs)	(ft)	(ft)	(ft)	(ft)	(days hh:mm)
CB1	14.63	306.96	1.66	3.37	305.63	0 12:30
CB2	20.08	313.28	1.28	2.72	312.18	0 12:15
END-SECTION-C1	0.17	308.08	0.08	3.15	308.07	0 14:04
END-SECTION-C2	0.05	308.08	0.08	3.15	308.07	0 20:30
OUTLET-STR-A2	9.20	306.67	1.07	5.33	305.82	0 12:20
OUTLET-STR-C1	0.03	308.18	0.08	3.82	308.17	0 14:04
OUTLET-STR-C2	0.03	308.18	0.08	3.82	308.17	0 20:30

Pipe Input

Element ID	Length (ft)	Inlet Invert Elevation (ft)	Outlet Invert Elevation (ft)	Average Slope (%)	Pipe Shape	Pipe Diameter or Height (in)	Pipe Width (in)	Manning's Roughness
CULV-A	98.00	305.30	305.12	0.1800	CIRCULAR	36.000	36.000	0.0150
CULV-A2-1	104.00	312.00	310.00	1.9200	CIRCULAR	24.000	24.000	0.0150
CULV-A2-2	43.00	305.60	305.30	0.7000	CIRCULAR	24.000	24.000	0.0150
CULV-C1	30.00	308.10	308.00	0.3300	CIRCULAR	12.000	12.000	0.0130
CULV-C2	30.00	308.10	308.00	0.3300	CIRCULAR	12.000	12.000	0.0130

Pipe Results

Element ID	Peak Flow	Time of Peak Flow Occurrence	Design Flow Capacity	Peak Flow Velocity	Peak Flow Depth
	(cfs)	(days hh:mm)	(cfs)	(ft/sec)	(ft)
CULV-A	14.63	0 12:31	24.77	3.65	1.66
CULV-A2-1	20.01	0 12:15	27.19	9.48	1.28
CULV-A2-2	9.20	0 12:20	16.38	5.36	1.07
CULV-C1	0.03	0 14:04	2.06	0.90	0.08
CULV-C2	0.03	0 20:30	2.06	0.91	0.08

Storage Nodes

Storage Node : DETENTION-A

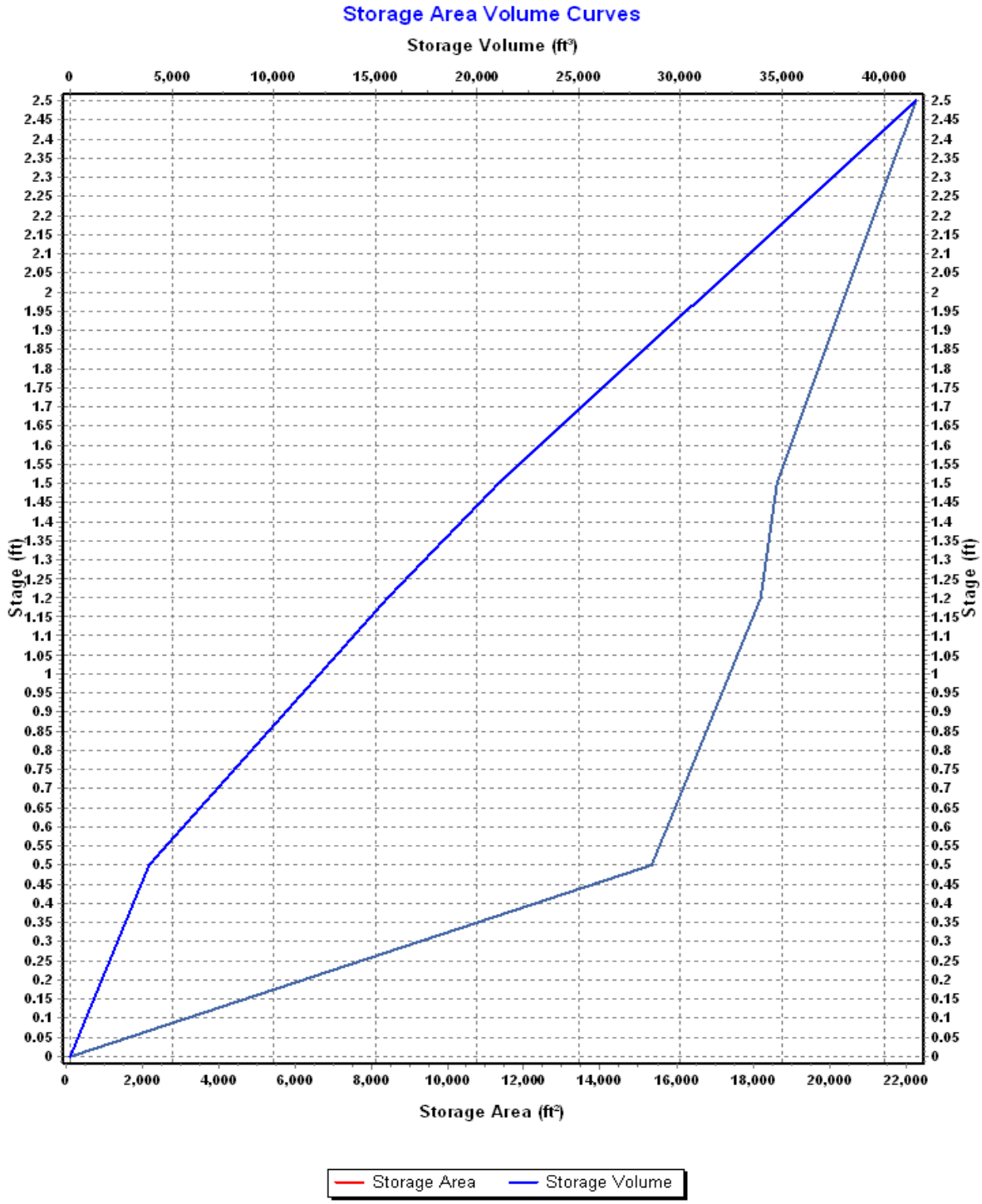
Input Data

Invert Elevation (ft) 309.50
Max (Rim) Elevation (ft) 312.00
Max (Rim) Offset (ft) 2.50
Initial Water Elevation (ft) 309.50
Initial Water Depth (ft) 0.00
Ponded Area (ft²) 0.00
Evaporation Loss 0.00

Storage Area Volume Curves

Storage Curve : Storage-08

Stage (ft)	Storage Area (ft²)	Storage Volume (ft³)
0	113	0.000
.5	15327	3860.00
1.2	18183.	15588.50
1.5	18635	21111.20
2.5	22257	41557.20


Storage Area Volume Curves
Storage Volume (ft³)
0
5,000
10,000
15,000
20,000
25,000
30,000
35,000
40,000
Stage (ft)
Storage Area (ft²)
0
2,000
4,000
6,000
8,000
10,000
12,000
14,000
16,000
18,000
20,000
22,000
Storage Area
Storage Volume

Storage Node : DETENTION-A (continued)

Outflow Orifices

Element ID	Orifice Type	Orifice Shape	Circular Orifice Diameter (in)	Rectangular Orifice Height (in)	Rectangular Orifice Width (in)	Orifice Invert Elevation (ft)	Orifice Coefficient
BEEHIVE-GRATE	Bottom	CIRCULAR	18.17			310.33	0.61
ORIF-DET-A	Side	Rectangular		4.00	36.00	309.50	0.63

Output Summary Results

Peak Inflow (cfs)	14.79
Peak Lateral Inflow (cfs)	9.67
Peak Outflow (cfs)	5.67
Peak Exfiltration Flow Rate (cfm)	0.00
Max HGL Elevation Attained (ft)	310.50
Max HGL Depth Attained (ft)	1
Average HGL Elevation Attained (ft)	309.61
Average HGL Depth Attained (ft)	0.11
Time of Max HGL Occurrence (days hh:mm)	0 12:32
Total Exfiltration Volume (1000-ft³)	0.000
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	0
Total Retention Time (sec)	0.00

Storage Node : FILTER-A2

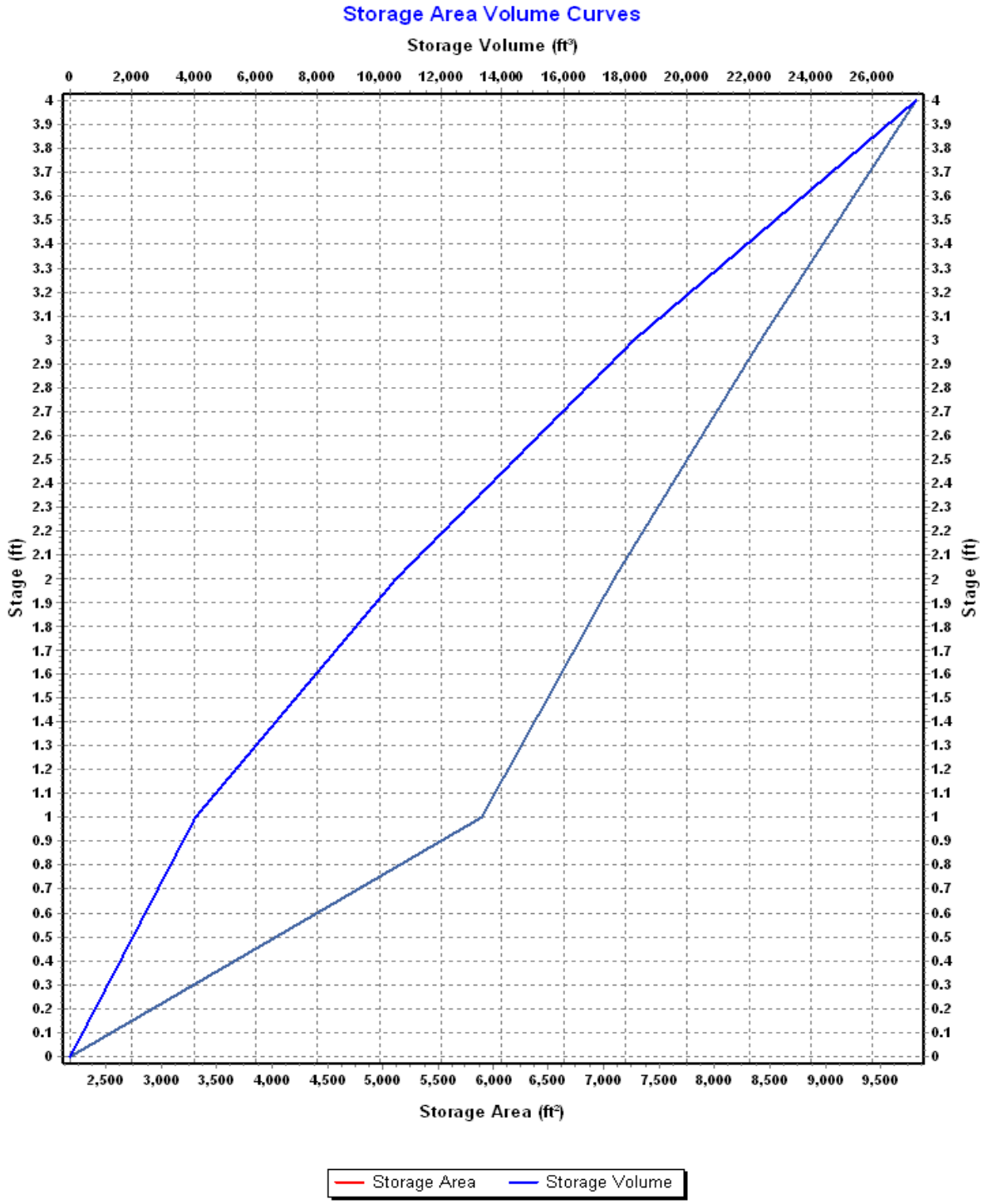
Input Data

Invert Elevation (ft) 308.00
Max (Rim) Elevation (ft) 312.00
Max (Rim) Offset (ft) 4.00
Initial Water Elevation (ft) 309.00
Initial Water Depth (ft) 1.00
Ponded Area (ft²) 0.00
Evaporation Loss 0.00

Storage Area Volume Curves

Storage Curve : Storage-05

Stage (ft)	Storage Area (ft²)	Storage Volume (ft³)
0	2178	0.000
1	5898	4038.00
2	7084	10529.00
3	8421	18281.50
4	9818	27401.00


Storage Area Volume Curves
Storage Volume (ft³)
0
2,000
4,000
6,000
8,000
10,000
12,000
14,000
16,000
18,000
20,000
22,000
24,000
26,000
Stage (ft)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
2
2.1
2.2
2.3
2.4
2.5
2.6
2.7
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3.3
3.4
3.5
3.6
3.7
3.8
3.9
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4,500
5,000
5,500
6,000
6,500
7,000
7,500
8,000
8,500
9,000
9,500
Storage Area (ft²)
Storage Area
Storage Volume

Storage Node : FILTER-A2 (continued)

Outflow Weirs

Element ID	Weir Type	Crest Elevation (ft)	Length (ft)	Weir Total Height (ft)	Discharge Coefficient
SPILLWAY-A2	Trapezoidal	310.70	55.00	1.30	3.10

Outflow Orifices

Element ID	Orifice Type	Orifice Shape	Circular Orifice Diameter (in)	Rectangular Orifice Height (in)	Rectangular Orifice Width (in)	Orifice Invert Elevation (ft)	Orifice Coefficient
ORIF-A2	Side	Rectangular		6.00	35.00	309.00	0.63

Output Summary Results

Peak Inflow (cfs)	20.01
Peak Lateral Inflow (cfs)	0.00
Peak Outflow (cfs)	16.81
Peak Exfiltration Flow Rate (cfm)	0.00
Max HGL Elevation Attained (ft)	310.83
Max HGL Depth Attained (ft)	2.83
Average HGL Elevation Attained (ft)	309.17
Average HGL Depth Attained (ft)	1.17
Time of Max HGL Occurrence (days hh:mm)	0 12:20
Total Exfiltration Volume (1000-ft³)	0.000
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	0
Total Retention Time (sec)	0.00

Storage Node : WETLAND-C1

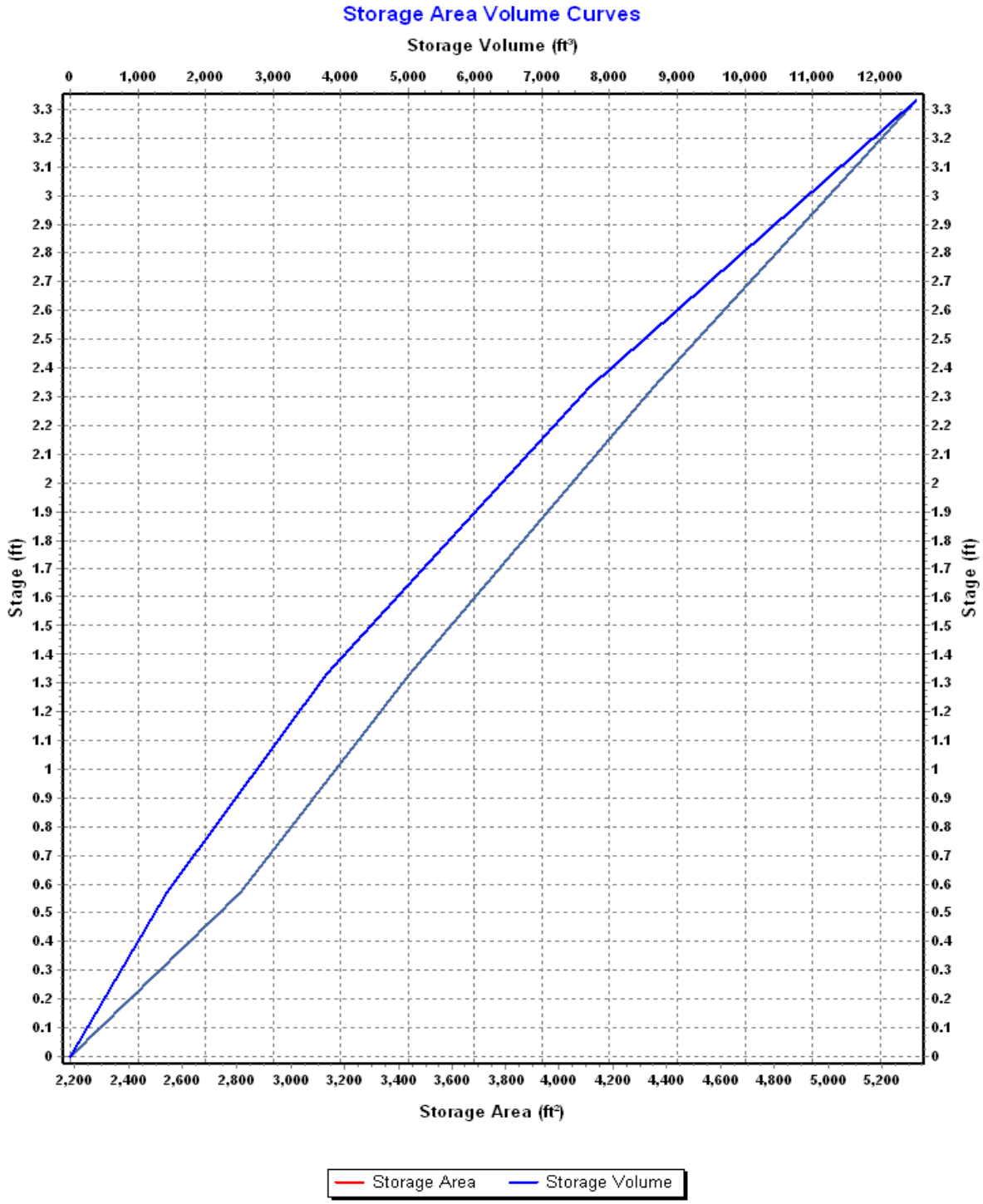
Input Data

Invert Elevation (ft)	308.77
Max (Rim) Elevation (ft)	312.00
Max (Rim) Offset (ft)	3.23
Initial Water Elevation (ft)	309.33
Initial Water Depth (ft)	0.56
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

Storage Area Volume Curves

Storage Curve : Storage-09

Stage (ft)	Storage Area (ft²)	Storage Volume (ft³)
0	2183	0.000
.57	2815	1424.43
1.33	3441	3801.71
2.33	4347	7695.71
3.33	5324	12531.21


Storage Area Volume Curves
Storage Volume (ft³)
0
1,000
2,000
3,000
4,000
5,000
6,000
7,000
8,000
9,000
10,000
11,000
12,000
Stage (ft)
3.3
3.2
3.1
3
2.9
2.8
2.7
2.6
2.5
2.4
2.3
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2,200
2,400
2,600
2,800
3,000
3,200
3,400
3,600
3,800
4,000
4,200
4,400
4,600
4,800
5,000
5,200
Storage Area (ft²)
Storage Area
Storage Volume

Storage Node : WETLAND-C1 (continued)

Outflow Weirs

Element ID	Weir Type	Crest Elevation (ft)	Length (ft)	Weir Total Height (ft)	Discharge Coefficient
SPILLWAY-C1	Trapezoidal	310.70	10.00	1.30	3.33

Outflow Orifices

Element ID	Orifice Type	Orifice Shape	Circular Orifice Diameter (in)	Rectangular Orifice Height (in)	Rectangular Orifice Width (in)	Orifice Invert Elevation (ft)	Orifice Coefficient
ORIF-C1	Side	CIRCULAR	0.83			308.10	0.61

Output Summary Results

Peak Inflow (cfs)	2.26
Peak Lateral Inflow (cfs)	2.26
Peak Outflow (cfs)	0.17
Peak Exfiltration Flow Rate (cfm)	0.00
Max HGL Elevation Attained (ft)	310.73
Max HGL Depth Attained (ft)	1.96
Average HGL Elevation Attained (ft)	309.97
Average HGL Depth Attained (ft)	1.2
Time of Max HGL Occurrence (days hh:mm)	0 14:04
Total Exfiltration Volume (1000-ft³)	0.000
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	0
Total Retention Time (sec)	0.00

Storage Node : WETLAND-C2

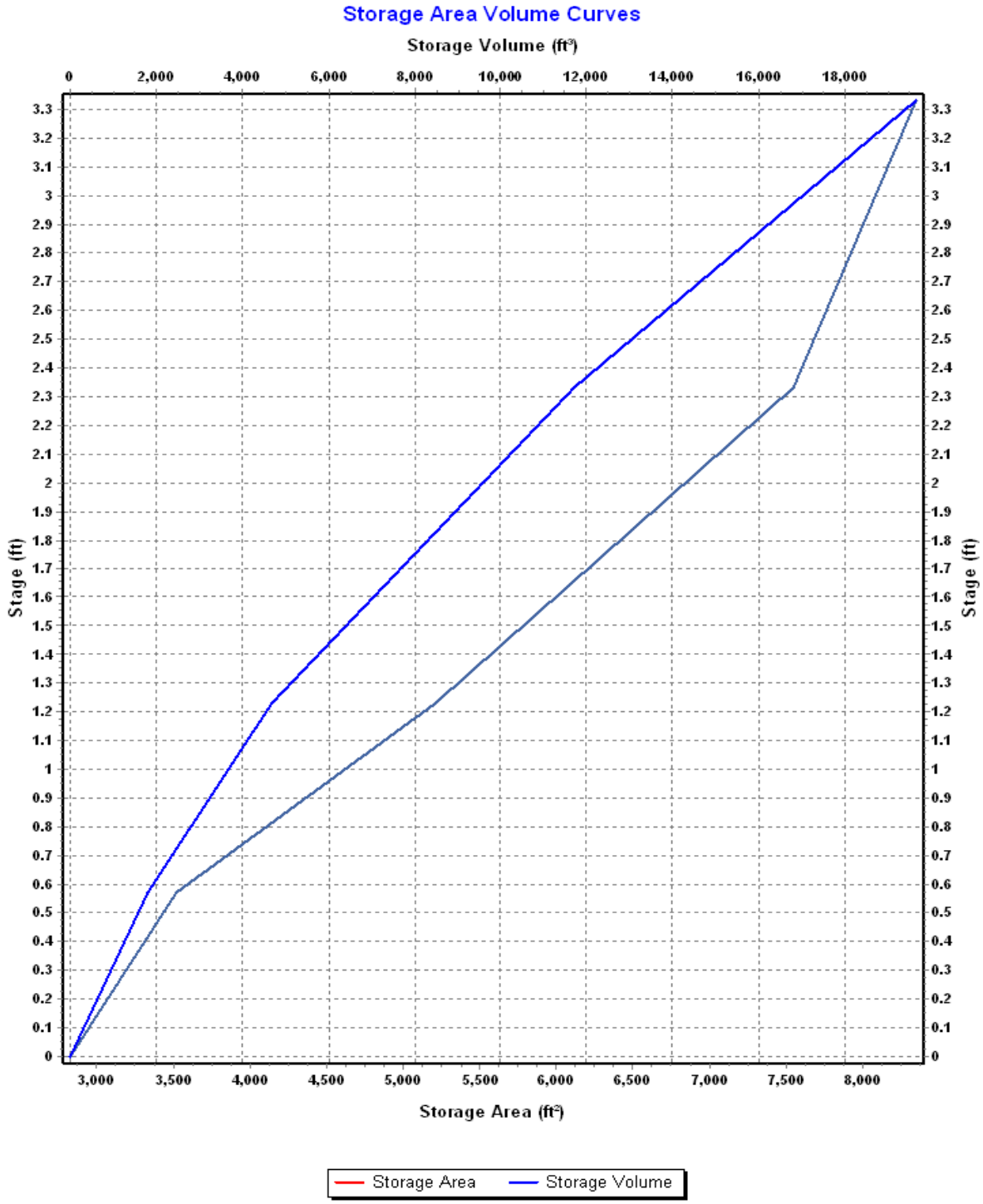
Input Data

Invert Elevation (ft)	308.77
Max (Rim) Elevation (ft)	312.00
Max (Rim) Offset (ft)	3.23
Initial Water Elevation (ft)	309.42
Initial Water Depth (ft)	0.65
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

Storage Area Volume Curves

Storage Curve : Storage-07

Stage (ft)	Storage Area (ft²)	Storage Volume (ft³)
0	2828	0.000
.57	3522	1809.75
1.23	5207	4690.32
2.33	7549	11706.12
3.33	8345	19653.12


Storage Area Volume Curves
Storage Volume (ft³)
0
2,000
4,000
6,000
8,000
10,000
12,000
14,000
16,000
18,000
Stage (ft)
3.3
3.2
3.1
3
2.9
2.8
2.7
2.6
2.5
2.4
2.3
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
3,000
3,500
4,000
4,500
5,000
5,500
6,000
6,500
7,000
7,500
8,000
Storage Area (ft²)
Storage Area
Storage Volume

Storage Node : WETLAND-C2 (continued)

Outflow Weirs

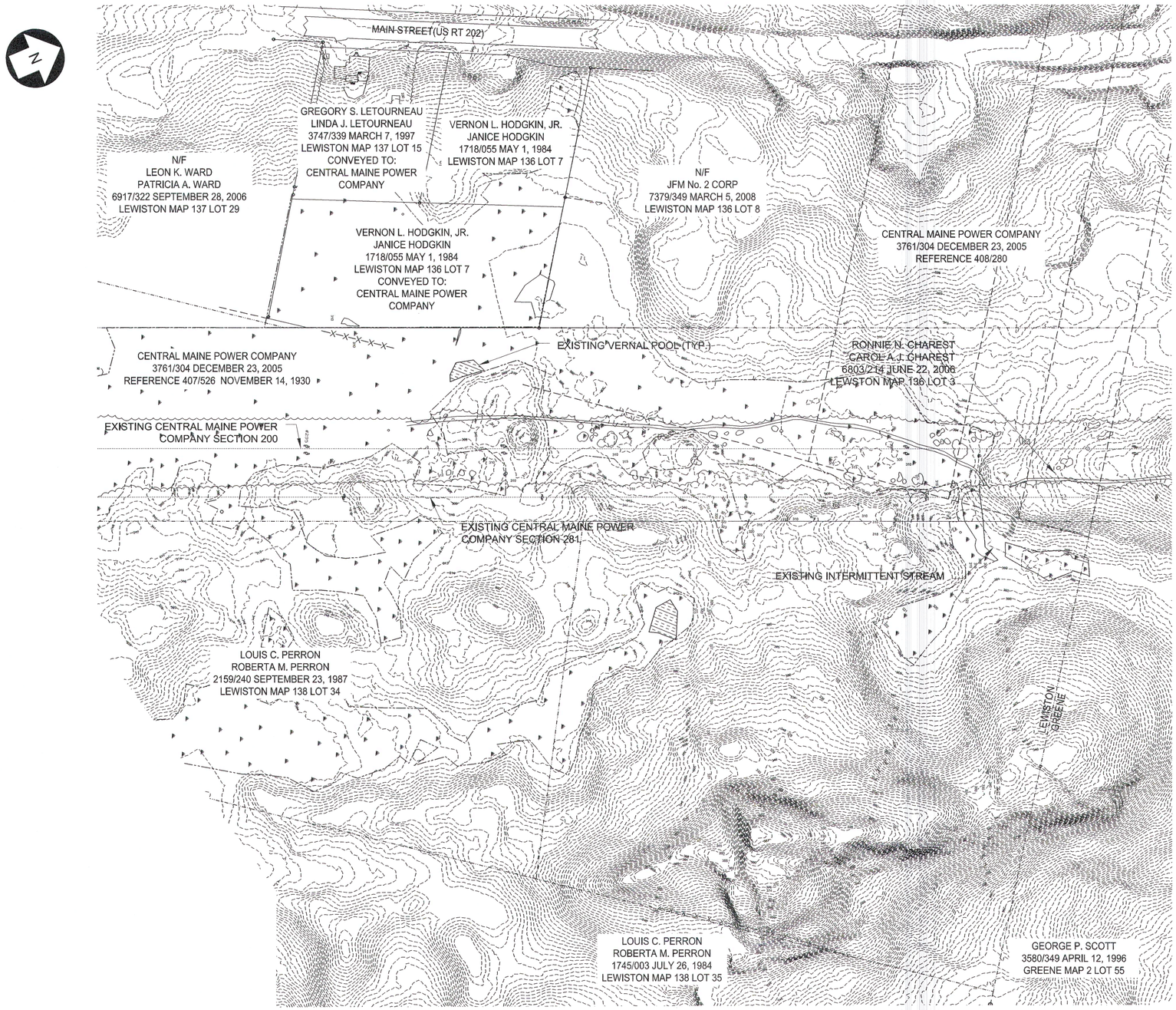
Element ID	Weir Type	Crest Elevation (ft)	Length (ft)	Weir Total Height (ft)	Discharge Coefficient
SPILLWAY-C2	Trapezoidal	310.80	10.00	1.20	3.10

Outflow Orifices

Element ID	Orifice Type	Orifice Shape	Circular Orifice Diameter (in)	Rectangular Orifice Height (in)	Rectangular Orifice Width (in)	Orifice Invert Elevation (ft)	Orifice Coefficient
ORIF-C2A	Side	CIRCULAR	0.83			308.10	0.61

Output Summary Results

Peak Inflow (cfs)	1.82
Peak Lateral Inflow (cfs)	1.82
Peak Outflow (cfs)	0.05
Peak Exfiltration Flow Rate (cfm)	0.00
Max HGL Elevation Attained (ft)	310.81
Max HGL Depth Attained (ft)	2.04
Average HGL Elevation Attained (ft)	310.03
Average HGL Depth Attained (ft)	1.26
Time of Max HGL Occurrence (days hh:mm)	0 20:30
Total Exfiltration Volume (1000-ft³)	0.000
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	0
Total Retention Time (sec)	0.00



GENERAL SITE PLAN
SCALE: 1"= 120'

LEGEND

309	EXISTING CONTOUR
	EXISTING EDGE OF PAVEMENT
x x x	EXISTING FENCE LINE
	EXISTING ROCK OR EXPOSED LEDGE
	EXISTING SPOIL PILE
	EXISTING TREE LINE
	EXISTING TRANSMISSION RIGHT-OF-WAY
	EXISTING STREAM
	EXISTING UTILITY POLE/OH LINE
	EXISTING WETLAND BOUNDARY
	EXISTING BUILDING
310	PROPOSED CONTOUR
	PROPOSED EDGE OF GRAVEL
x x x	PROPOSED FENCE LINE
	PROPOSED EDGE GRAVEL YARD SURFACE
LP-XX	PROPOSED SITE LAYOUT POINT
	PROPOSED TREE LINE
sf sf sf	PROPOSED SILT FENCE
	PROPERTY LINE
	PROPOSED CHECK DAM

NOTES:

1. TOPOGRAPHIC SURVEY PERFORMED BY SACKETT & BRAKE SURVEY, INC. DATED JUNE 12, 2017 AND JUNE 18, 2018. HORIZONTAL DATUM - NAD83 MAINE STATE PLANE COORDINATE SYSTEM, WEST ZONE, US SURVEY FEET, VERTICAL DATUM-NAVD88 FEET.
2. ADDITIONAL TRANSMISSION LINE REFERENCE DRAWINGS, 1011-T200-24 AND 1011-T251-023.

ISSUED FOR PERMITTING
NOT FOR CONSTRUCTION
07/12/18

120 0 120 240 FT
SCALE: 1"= 120'

REV.	DESCRIPTION	DATE	BY	CK	APP
B	ACCESS ROAD ALIGNMENT REVISIONS	07/12/18	RST	KRV	

OWNER ENGINEER:
APPROVAL STAMP:
DRAWING PREPARED BY:
ACCEPTED BY OE:
PE Stamp
STATE OF MAINE KENNETH R. VOLOCK No. 11092 LICENSED PROFESSIONAL ENGINEER 07-12-18

IUSA ENGINEERING
CONFIDENTIAL, PROPRIETARY and TRADE SECRET INFORMATION
Property of Iberdrola, USA

CMP IBERDROLA - USA

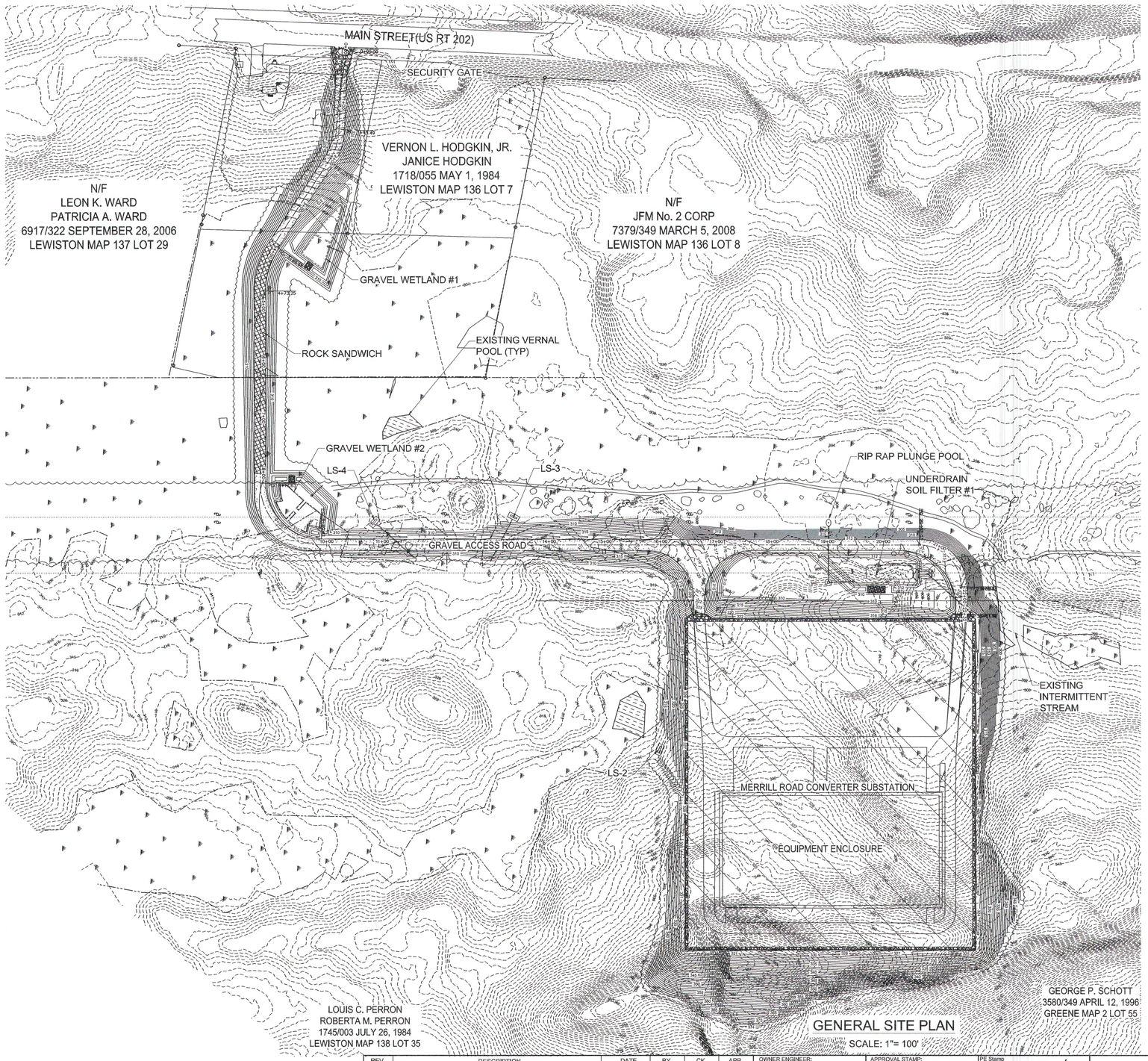
REV.	DATE	BY	DESCRIPTION	APP.

GENERAL SITE PLAN
EXISTING CONDITIONS
SH 1 OF 2

MERRILL ROAD/1076 LEWISTON, ME

DR.	EVD	SCALE: 1"=120'	FILE: 1076-003-001SH001.DWG
CK.	KRV	NO.	REV.
APP.		1076-003-001	B
DATE:			

ANSI D CADD Drawing, DO NOT REVISE MANUALLY.



GENERAL SITE PLAN

SCALE: 1"= 100'

LEGEND

309	EXISTING CONTOUR
	EXISTING EDGE OF PAVEMENT
X	EXISTING FENCE LINE
	EXISTING ROCK OR EXPOSED LEDGE
	EXISTING SPOIL PILE
	EXISTING TREE LINE
	EXISTING TRANSMISSION RIGHT-OF-WAY
	EXISTING STREAM
	EXISTING UTILITY POLE/OH LINE
	EXISTING WETLAND BOUNDARY
	EXISTING BUILDING
310	PROPOSED CONTOUR
	PROPOSED EDGE OF GRAVEL
	PROPOSED STABILIZED CONSTRUCTION EXIT
X	PROPOSED FENCE LINE
	PROPOSED EDGE GRAVEL YARD SURFACE
LP-XX	PROPOSED SITE LAYOUT POINT
	PROPOSED TREE LINE
	PROPOSED SILT FENCE
	PROPERTY LINE
	PROPOSED CHECK DAM
	PROPOSED BUILDING UNDERDRAIN

NOTES:

1. TOPOGRAPHIC SURVEY PERFORMED BY SACKETT & BRAKE SURVEY, INC. DATED JUNE 12, 2017 AND JUNE 18, 2018. HORIZONTAL DATUM - NAD83 MAINE STATE PLANE COORDINATE SYSTEM, WEST ZONE, US SURVEY FEET, VERTICAL DATUM-NAVD88 FEET.
2. ADDITIONAL TRANSMISSION LINE REFERENCE DRAWINGS, 1011-T200-24 AND 1011-T251-023.

ISSUED FOR REVIEW
NOT FOR CONSTRUCTION
07/12/18

100 0 100 200 FT

SCALE: 1"= 100'

REV.	DESCRIPTION	DATE	BY	CK	APP
B	MEDEP PERMIT SET COMMENT REVISIONS	05/29/18	EVD	KRV	
C	ACCESS ROAD ALIGNMENT REVISIONS	07/12/18	RST	KRV	

OWNER ENGINEER:

APPROVAL STAMP:

DRAWING PREPARED BY:

ACCEPTED BY OE:

PE Stamp

STATE OF MAINE KENNETH R. VOLLOK No. 11052 LICENSED PROFESSIONAL ENGINEER 07-12-18 Rev. C

IUSA ENGINEERING
CONFIDENTIAL, PROPRIETARY and TRADE SECRET INFORMATION
Property of Iberdrola, USA

CMP IBERDROLA - USA

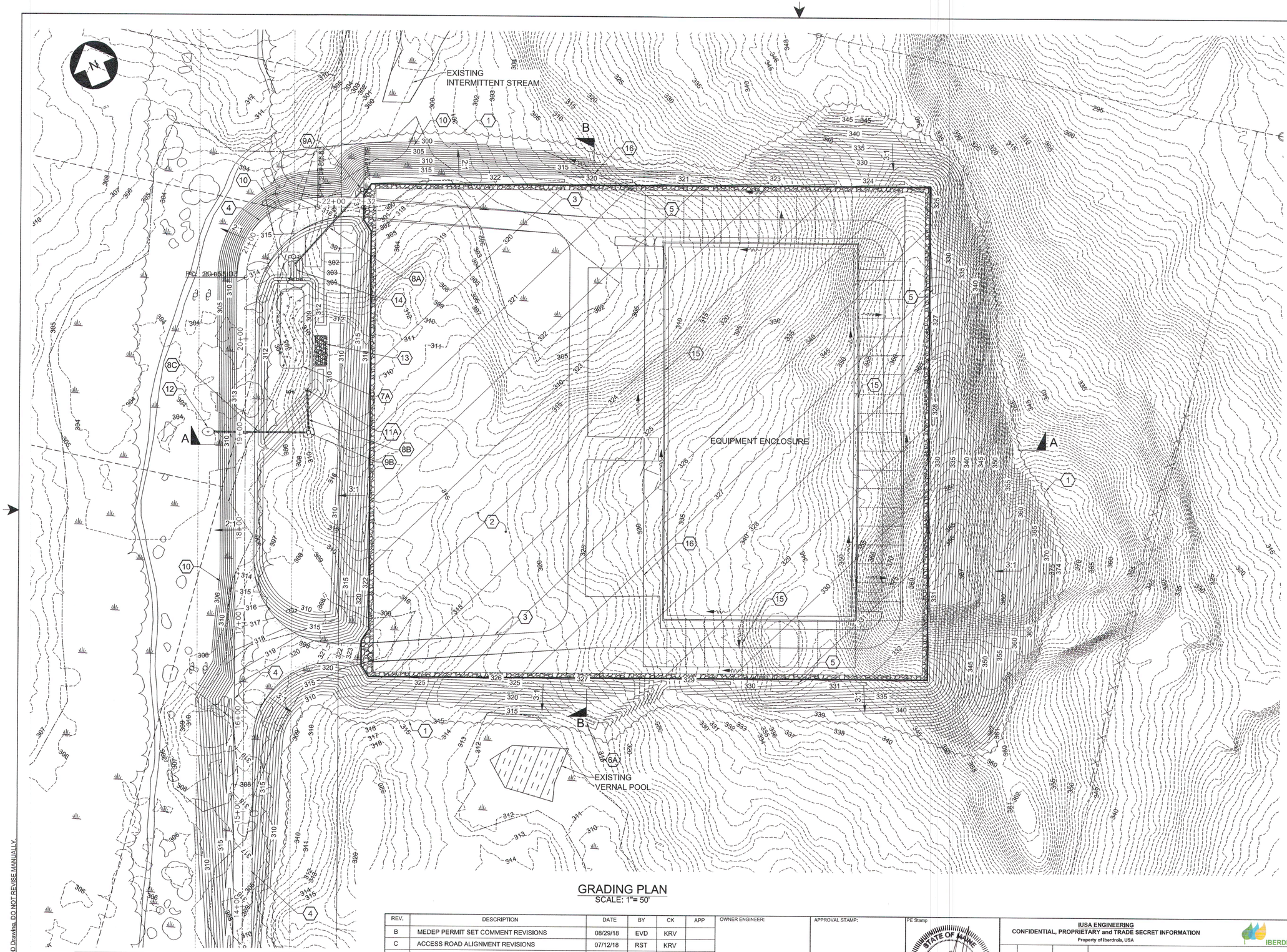
REV.	DATE	BY	DESCRIPTION	APP.

GENERAL SITE PLAN
PROPOSED CONDITIONS
SH 2 OF 2

MERRILL ROAD/1076 LEWISTON, ME

DR.	EVD	SCALE: 1"=100'	FILE: 1076-003-001SH002.DWG
CK.	KRV	NO.	REV.
APP.		1076-003-001	C
DATE:			

ANSI D CADD Drawing, DO NOT REVISE MANUALLY.



LEGEND

- 309 — EXISTING CONTOUR
- EXISTING EDGE OF PAVEMENT
- EXISTING FENCE LINE
- EXISTING ROCK OR EXPOSED LEDGE
- EXISTING SPOIL PILE
- EXISTING TREE LINE
- EXISTING TRANSMISSION RIGHT-OF-WAY
- EXISTING STREAM
- EXISTING UTILITY POLE/OH LINE
- EXISTING WETLAND BOUNDARY
- EXISTING BUILDING
- 310 — PROPOSED CONTOUR
- PROPOSED EDGE OF GRAVEL
- PROPOSED GRAVEL ACCESS RAMP
- PROPOSED FENCE LINE
- PROPOSED STABILIZED CONSTRUCTION EXIT
- LP-XX — PROPOSED SITE LAYOUT POINT
- PROPOSED TREE LINE
- PROPOSED SILT FENCE
- PROPERTY LINE
- PROPOSED CHECK DAM
- PROPOSED EDGE OF PAVEMENT

NOTES:

1. TOPOGRAPHIC SURVEY PERFORMED BY SACKETT & BRAKE SURVEY, INC. DATED JUNE 12, 2017. HORIZONTAL DATUM - NAD83 MAINE STATE PLANE COORDINATE SYSTEM, WEST ZONE, US SURVEY FEET, VERTICAL DATUM-NAVD88 FEET.
2. ADDITIONAL TRANSMISSION LINE REFERENCE DRAWINGS, 1011-T200-24 AND 1011-T251-023.

WORK NOTES

1. PROPOSED TREE LINE.
2. SUBSTATION YARD - SEE SECTION A-A & B-B, DWG 1076-003-005 SHEET 1.
3. PAVED VEHICULAR CIRCULATION ROUTES - SEE DETAIL, DWG 1076-003-005 SHEET 1.
4. GRAVEL ACCESS ROAD - SEE DETAIL, DWG 1076-003-005 SHEET 1.
5. VEGETATED DRAINAGE SWALE - SEE DETAIL, DWG 1076-003-005 SHEET 1.
6A. LEVEL SPREADER LS-2 - SEE DETAIL, DWG 1076-003-005 SHEET 2.
7A. GRASSED UNDERDRAIN SOIL FILTER #1 - SEE DETAIL, DWG 1076-003-002 SHEET 2.
8A. 24" CULVERT PIPE- INV IN = 312.0', INV OUT = 310.0'
8B. 24" CULVERT PIPE- INV IN = 305.60', INV OUT = 305.30'
8C. 36" CULVERT PIPE-INV IN = 305.30', INV OUT = 305.00'
9A. CATCH BASIN, CB-2 - RIM ELEV. = 316.0', SEE DETAIL DWG 1076-003-002 SHEET 2.
9B. CATCH BASIN/SEDIMENT BASIN OUTLET STRUCTURE, CB-1 - SEE DETAIL DWG 1076-003-002 SHEET 2.
10. ALL SLOPES GREATER THAN 3 TO 1 SHALL RECEIVE EROSION CONTROL BLANKET - SEE DETAIL DWG 1076-003-005 SHEET 4.
11A. SOIL FILTER OUTLET STRUCTURE #1 - SEE DETAIL, DWG. 1076-003-002 SHEET 2.
12. RIP RAP PLUNGE POOL - SEE DETAIL, DWG. 1076-003-005 SHEET 2.
13. EMERGENCY SPILLWAY - SEE DETAIL, DWG. 1076-003-002 SHEET 2.
14. STONE FOREBAY - SEE DETAIL, DWG. 1076-003-002 SHEET 2.
15. 4" PERFORATED SCH. 40 PVC UNDERDRAIN - SEE DETAIL, DWG. 1076-003-002 SHEET 2.
16. 4" SCH. 40 PVC UNDERDRAIN - SEE DETAIL, DWG. 1076-003-002 SHEET 2.

50 0 50 100 FT
SCALE: 1"= 50'

GRADING PLAN
SCALE: 1"= 50'

ISSUED FOR REVIEW
NOT FOR CONSTRUCTION
07/12/18

ANSI D CADD Drawing, DO NOT REVISE MANUALLY.

REV.	DESCRIPTION	DATE	BY	CK	APP
B	MEDEP PERMIT SET COMMENT REVISIONS	08/29/18	EVD	KRV	
C	ACCESS ROAD ALIGNMENT REVISIONS	07/12/18	RST	KRV	

OWNER ENGINEER:
APPROVAL STAMP:
DRAWING PREPARED BY:
ACCEPTED BY OE:
PE Stamp: STATE OF MAINE KENNETH R. VOLUCK No. 11092 LICENSED PROFESSIONAL ENGINEER 07.12.18 Rev. C

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Property of Iberdrola, USA

CMP IBERDROLA - USA

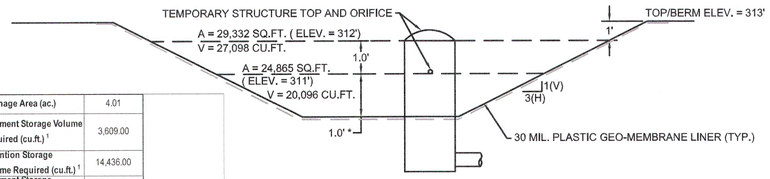
REV.	DATE	BY	DESCRIPTION	APP.

GRADING PLAN

SH 1 OF 5

MERRILL ROAD/1076 LEWISTON, ME

DR. EVD	SCALE: 1"=50'	FILE: 1076-003-002SH001.DWG	
CK. KRV	NO. 1076-003-002		REV. C
APP:			
DATE:			



Drainage Area (ac.)	4.01
Sediment Storage Volume Required (cu.ft.) [1]	3,609.00
Detention Storage Volume Required (cu.ft.) [1]	14,436.00
Sediment Storage Provided (cu.ft.)	20,096.00
Detention Storage Provided (cu.ft.)	27,098.50
Storm Event	10-year/24-hr/Type II
V_{runoff} (in.)	1.88
$Q_{outflow}$ (cfs)	7.30
$Q_{outflow}$/DA (cfs/ac.)	1.82
Q_o/Q_i [2]	0.0250
Max. $Q_{outflow}$ (cfs)	0.18
Orifice Diameter (in.)	2.00
Qoutflow Achieved (cfs)	0.16

1. NRCS Conservation Practice Standard Code 350 - Sediment Basin

2. Maine Erosion and Sediment Control BMPs (10/2016) Ch. 2 - Sediment Basins, Graph C.1

ELEVATION	AREA (SQ.FT)	INCR. VOLUME (CU.FT.)	TOTAL VOLUME (CU.FT.)
310.00	15,327.00		
311.00	24,865.00	20,096.00	20,096.00
312.00	29,332.00	27,098.50	47,194.50

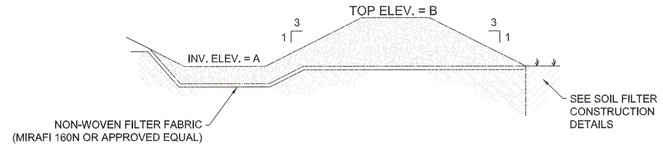
SEDIMENT BASIN SCHEMATIC
NTS

NOTES:

CONVERT THE SEDIMENT BASIN TO A GRADED DEPRESSION WITH CATCH BASIN TOP AT GRADE BY LOWERING THE GRATE TOP FOLLOWING FINAL STABILIZATION

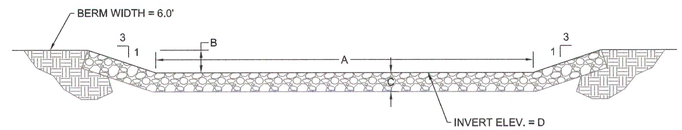
GRADE SEDIMENT BASIN AND SURROUNDING AREA TO FINISHED PLAN GRADES UP TO ELEVATION 312' (MIN.) PRIOR TO UPSTREAM DISTURBANCES

* 1' OF STORAGE ASSUMED. ACTUAL PERMANENT GRATE ELEVATION = 310.0'



STONE FOREBAY
NTS

STONE FOREBAY ELEVATIONS		
SOIL FILTER NO.	A	B
SOIL FILTER #1	310.0	310.5



EMERGENCY SPILLWAY
NTS

EMERGENCY SPILLWAY GEOMETRY						
UNDERDRAIN FILTER NUMBER	A	B	C	D	RIP RAP D50	25-YR WATER ELEV.
SOIL FILTER #1	55'	1.30'	18"	310.70	9"	310.83

FILTER NOTES:

1. UNDERDRAIN PIPES SHALL BE SCH. 40 PVC. ENDS OF UNDERDRAIN PIPING SHALL BE PLUGGED WITH PIPE FITTINGS. PIPE JOINTS SHALL BE FULLY GLUED.
2. COMPACT EMBANKMENT MATERIAL TO 93% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D1557.
3. FILTER BED & SIDE SLOPES SHALL BE SEEDED USING "NEW ENGLAND CONSERVATION/WILDLIFE MIX" FROM NEW ENGLAND WETLAND PLANTS, INC.OF AMHERST, MA. OR APPROVED EQUAL (APPLICATION RATE 25#/ACRE).
4. MDOT 703.22 UNDERDRAIN BACKFILL MATERIAL, TYPE B SPECIFICATIONS.

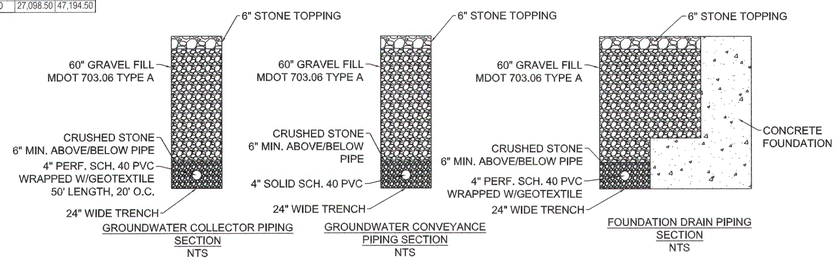
SIEVE	% BY WEIGHT
1	90-100
1/2	75-100
#4	50-100
#20	15-80
#50	0-15
#200	0-5

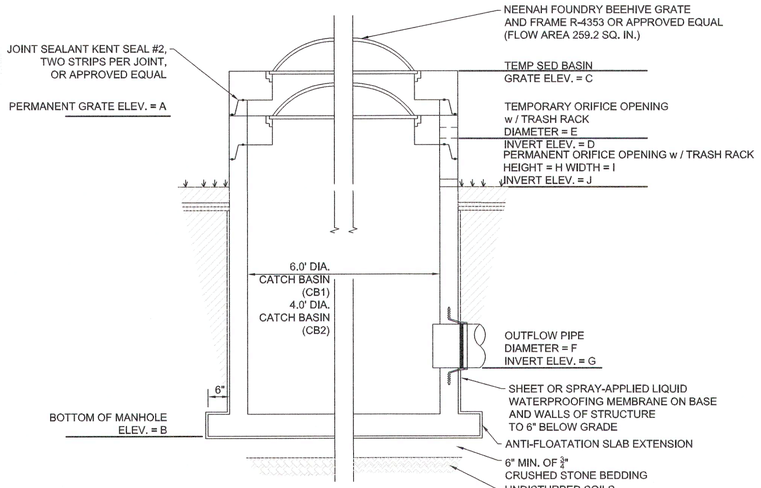
5. FILTER MEDIA MATERIALS:
   5.1. FILTER TOPSOIL LAYER: A 6-INCH LAYER OF LOAMY TOPSOIL SUCH AS USDA SANDY LOAM TOPSOIL WITH 5-8% HUMIFIED ORGANIC MATTER. SCREENED TOPSOIL FROM THE SITE MAY BE APPROPRIATE BUT SHALL BE TESTED FOR ORGANIC CONTENT. ORGANIC MATTER (SUCH AS SUPERHUMUS OR EQUIVALENT) MAY BE ADDED IF NECESSARY, PROVIDED THAT THE RESULTING TEXTURE IS SUITABLE. SEE EROSION CONTROL DETAILS FOR EROSION CONTROL BLANKET INSTALLATION REQUIREMENTS.
   5.2. FILTER SAND LAYER: A 12-INCH LAYER OF LOAMY COARSE SAND PER MAINE DEP STORMWATER BEST MANAGEMENT PRACTICES TABLE 7.1.3.

SIEVE	% BY WEIGHT
#10	85-100
#20	70-100
#60	15-40
#200	8-15
#200 (CLAY SIZE)	<2.0

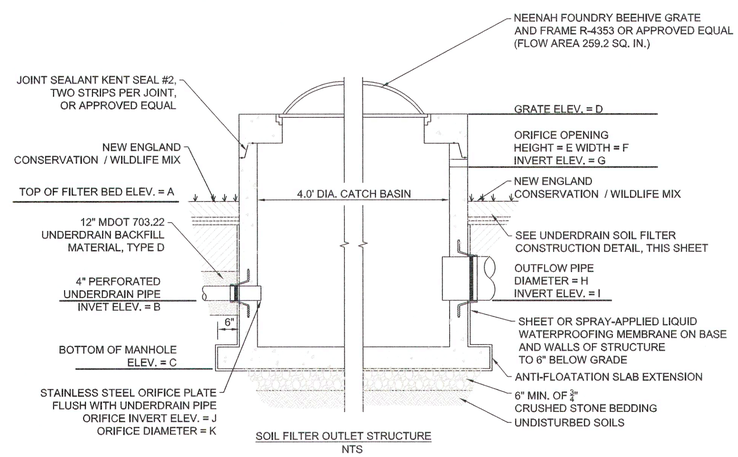
FILTER CONSTRUCTION INSPECTION AND TESTING NOTES:

1. INSPECTION OF THE FILTER BASIN SHALL BE PROVIDED FOR EACH PHASE OF CONSTRUCTION BY THE DESIGN ENGINEER WITH REQUIRED REPORTING TO THE MAINE DEP.
2. AT A MINIMUM INSPECTIONS WILL OCCUR:
   2.1. AFTER PRELIMINARY CONSTRUCTION OF THE FILTER GRADES AND ONCE THE UNDERDRAIN PIPES ARE INSTALLED BUT NOT BACKFILLED;
   2.2. AFTER THE DRAINAGE LAYER IS CONSTRUCTED AND PRIOR TO THE INSTALLATION OF THE FILTER SAND LAYER;
   2.3. AFTER FILTER SAND LAYER IS CONSTRUCTED AND PRIOR TO THE INSTALLATION OF THE FILTER TOPSOIL LAYER;
   2.4. AFTER THE FILTER TOPSOIL LAYER HAS BEEN INSTALLED AND SEEDED; AND
   2.5. AFTER ONE YEAR TO INSPECT HEALTH OF THE VEGETATION AND MAKE CORRECTIONS.
3. THE CONTRACTOR SHALL PROVIDE SUBMITTALS FOR EACH COMPONENT OF THE FILTER MEDIA, IDENTIFYING THE SOURCE.
4. ALL MATERIAL USED FOR THE CONSTRUCTION OF THE FILTER BASIN WILL BE APPROVED BY THE DESIGN ENGINEER, AFTER TESTS BY A CERTIFIED LABORATORY SHOW THAT THEY ARE PASSING MAINE DEP SPECIFICATIONS.
5. THE CONTRACTOR SHALL SUBMIT SAMPLES OF EACH TYPE OF MATERIAL TO BE USED FOR THE MIXED FILTER MEDIA AND SAMPLES OF THE UNDERDRAIN BEDDING MATERIAL. SAMPLES MUST BE A COMPOSITE OF THREE DIFFERENT LOCATIONS (GRABS) FROM THE STOCKPILE OR PIT FACE. SAMPLE SIZE REQUIRED WILL BE DETERMINED BY THE TESTING LABORATORY.
6. THE CONTRACTOR SHALL PERFORM, OR HAVE PERFORMED, A SIEVE ANALYSIS CONFORMING TO ASTM C138 ON EACH TYPE OF THE SAMPLE MATERIAL. ALL MATERIALS SHALL HAVE A CLAY CONTENT OF LESS THAN 2% AS DETERMNED BY HYDROMETER GRAIN SIZE ANALYSIS.
7. THE CONTRACTOR SHALL PERFORM, OR HAVE PERFORMED, A PERMEABILITY TEST ON THE SOIL FILTER MEDIA MATERIALS CONFORMING TO ASTM D2434 WITH THE MIXTURE COMPACTED TO 90 - 92% OF MAXIMUM DRY DENSITY BASED ON ASTM D698.

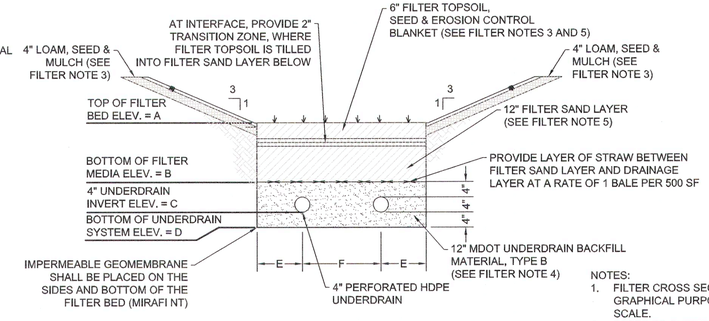




SEDIMENT BASIN OUTLET/DRAINAGE INLET STRUCTURE
NTS



SOIL FILTER OUTLET STRUCTURE
NTS



NOTES:
1. FILTER CROSS SECTION IS SHOWN FOR GRAPHICAL PURPOSES ONLY - NOT TRUE SCALE.
2. REFER TO SHEET 003-005 FOR GRAVEL WETLAND DETAILS

GRASSED UNDERDRAIN SOIL FILTER
CONSTRUCTION DETAILS
NTS

GRASSED UNDERDRAIN SOIL FILTER ELEVATIONS/GEOMETRY						
UNDERDRAIN FILTER NUMBER	A	B	C	D	E	F
SOIL FILTER #1	308.00	306.33	305.66	305.33	7.00	11.00

SOIL FILTER OUTLET STRUCTURE ELEVATIONS/GEOMETRY											
UNDERDRAIN FILTER NUMBER	A	B	C	D	E	F	G	H	I	J	K
SOIL FILTER #1	308.00	305.66	304.83	312.00	6"	35"	309.00	24"	305.60	305.66	7/8"

SEDIMENT BASIN OUTLET / CATCH BASIN STRUCTURE ELEVATIONS/GEOMETRY										
STRUCTURE	A	B	C	D	E	F	G	H	I	J
CB 1	310.33	304.80	312.00	311.00	2"	24"	305.30	4"	36"	309.50
CB 2	316.00	311.50	N/A	N/A	N/A	24"	312.00	N/A	N/A	N/A

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NOT FOR CONSTRUCTION
08/09/18

REV.	DESCRIPTION	DATE	BY	CK	APP
B	MEDEP PERMIT SET COMMENT REVISIONS	05/29/18	TJG	KRV	
C	ACCESS ROAD ALIGNMENT REVISIONS	07/12/18	TJG	KRV	
D	STORMWATER MANAGEMENT REVISIONS	08/09/18	TJG	KRV	

OWNER ENGINEER:
DRAWING PREPARED BY:
APPROVAL STAMP:
ACCEPTED BY OE:
PE Stamp: STATE OF MAINE KENNETH R. VOLOCK No. 10062 LICENSED PROFESSIONAL ENGINEER 08-09-18 Rev. D

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REV.	DATE	BY	DESCRIPTION	APP.

STORMWATER TREATMENT PLAN

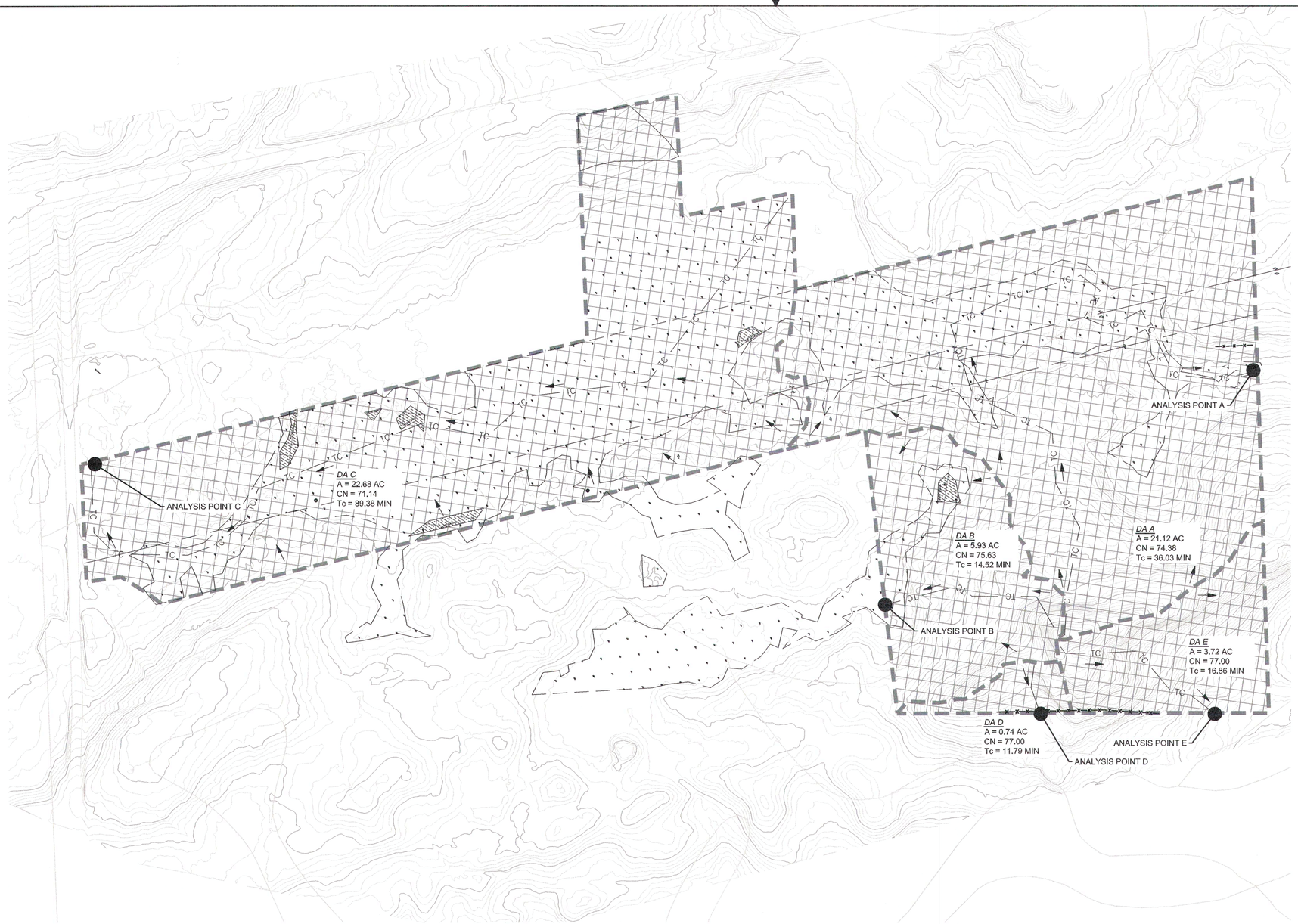
SH 2 OF 5

MERRILL ROAD/1076 LEWISTON, ME

DR.	TJG	SCALE: N/A	FILE: 1076-003-002SH002.DWG
CK.	KRV	NO.	REV.
APP.		1076-003-002	D
DATE:			

CADD Drawing, DO NOT REVISE MANUALLY.

ANSI D



LEGEND

- 750 — EX. MAJOR CONTOUR
- 744 — EX. MINOR CONTOUR
- TC — EX. TIME OF CONCENTRATION
- HrD (D Soils) HrC (C Soils) — EX. SOIL BOUNDARY
- EX. OVERHEAD UTILITY
- EX. FLOW DIRECTION ARROW
- EX. DRAINAGE BOUNDARY
- EX. PROPERTY BOUNDARY
- EX. WETLAND
- EX. VERNAL POOL
- ANALYSIS POINT
- EX. WOODS

EXISTING CONDITIONS HYDRAULIC SUMMARY			
DRAINAGE AREA	2 - YEAR FLOW RATE (CFS)	10 - YEAR FLOW RATE (CFS)	25 - YEAR FLOW RATE (CFS)
A	11.75	26.46	36.58
B	5.09	11.09	15.17
C	5.88	14.62	20.83
D	0.74	1.55	2.09
E	3.31	7.00	9.47

0 300 600 Feet

ISSUED FOR PERMITTING
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08/09/18

REV.	DESCRIPTION	DATE	BY	CK	APP
B	ACCESS ROAD ALIGNMENT REVISIONS	07/12/18	TJG	KRV	
C	STORMWATER MANAGEMENT REVISIONS	08/09/18	TJG	KRV	

OWNER ENGINEER:

APPROVAL STAMP:

DRAWING PREPARED BY:

ACCEPTED BY OE:

PE Stamp

STATE OF MAINE
KENNETH R. VOLOCK
No. 11062
LICENSED
PROFESSIONAL ENGINEER
08-09-18
Rev. C

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IBERDROLA - USA

REV.	DATE	BY	DESCRIPTION	APP.

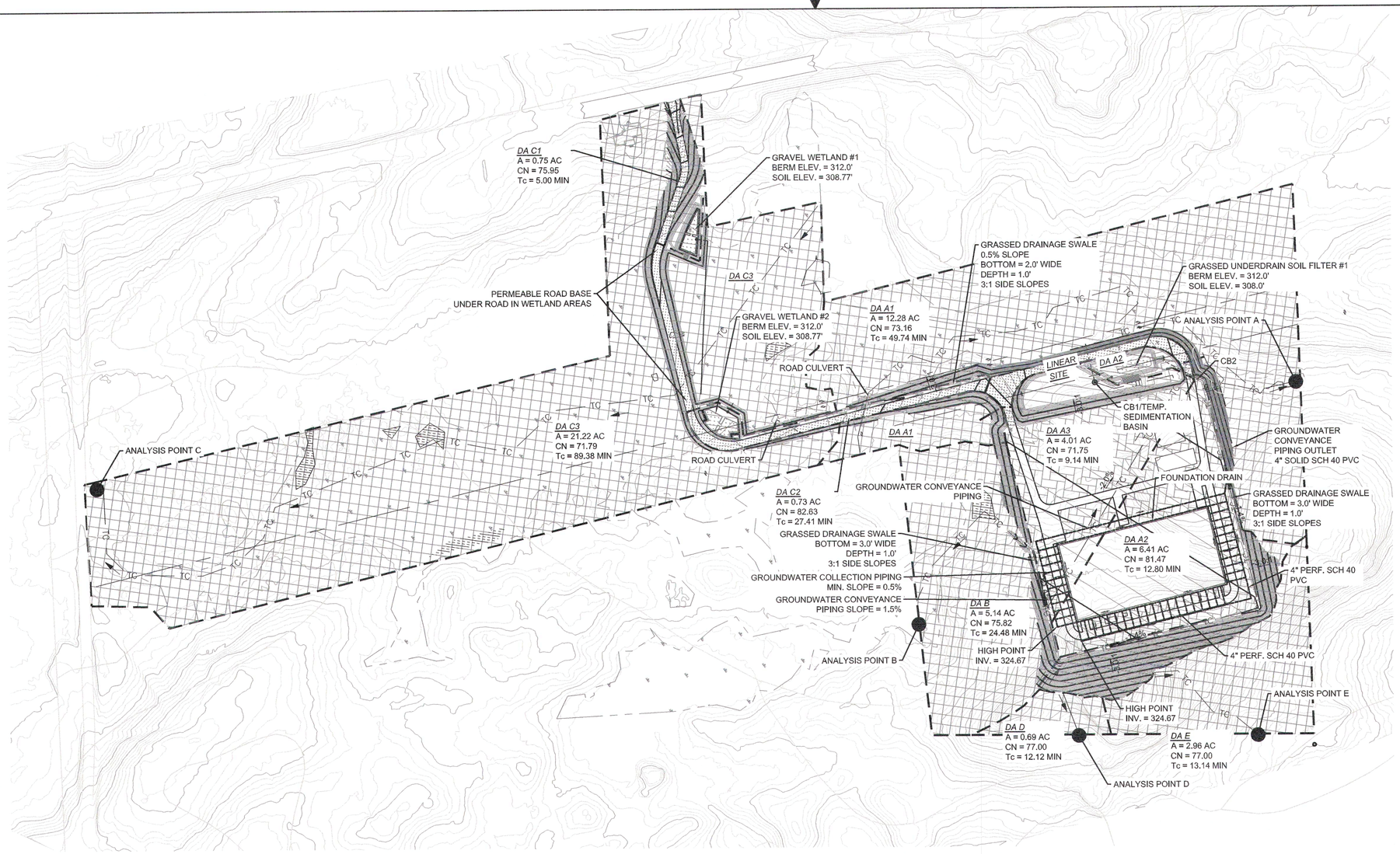
PRE-DEVELOPMENT STORMWATER PLAN

SH 3 OF 5

MERRILL ROAD/1076 LEWISTON, ME

DR.	TJG	SCALE: 1" = 150'	FILE: 1076-003-002SH003.DWG
CK.	KRV	NO.	REV.
APP.		1076-003-002	C
DATE:			

ANSI D CADD Drawing, DO NOT REVISE MANUALLY.



LEGEND

- 750 — EX. MAJOR CONTOUR
- 744 — EX. MINOR CONTOUR
- HrD (D Soils) HrC (C Soils) — EX. SOIL BOUNDARY
- EX. OVERHEAD UTILITY
- EX. PROPERTY BOUNDARY
- EX. WETLAND
- EX. VERNAL POOL
- 750 — PROP. MAJOR CONTOUR
- 744 — PROP. MINOR CONTOUR
- TC — PROP. TIME OF CONCENTRATION
- PROP. FLOW DIRECTION ARROW
- PROP. DRAINAGE BOUNDARY
- ANALYSIS POINT
- PROP. CULVERT/PIPING
- PROP. SITE/LINEAR DEMARCATION
- EX. WOODS
- PROP. IMPERVIOUS PAVING/ROOF
- PROP. STONE PAD
- PROP. DEVELOPED GRASS
- PROP. GRAVEL ROAD
- PROP. UNDERDRAIN SOIL FILTER/GRAVEL WETLAND

PROPOSED CONDITIONS HYDRAULIC SUMMARY

DRAINAGE AREA	2 - YEAR FLOW RATE (CFS)	10 - YEAR FLOW RATE (CFS)	25 - YEAR FLOW RATE (CFS)	PEAK 2 - YEAR FLOW RATE AT ANALYSIS POINT (IF SUBSHEDS PRESENT)	PEAK 10 - YEAR FLOW RATE AT ANALYSIS POINT (IF SUBSHEDS PRESENT)	PEAK 25 - YEAR FLOW RATE AT ANALYSIS POINT (IF SUBSHEDS PRESENT)
A1	5.33	12.43	17.35	11.73	23.66	31.35
A2	7.96	15.32	20.01			
A3	2.99	7.15	10.03			
B	3.66	8.01	10.95	N/A	N/A	N/A
C1	0.81	1.70	2.30	5.81	14.08	19.96
C2	0.74	1.40	1.82			
C3	5.79	14.12	19.95			
D	0.68	1.43	1.93	N/A	N/A	N/A
E	2.85	6.01	8.13	N/A	N/A	N/A

STORMWATER TREATMENT REQUIREMENTS (% OF TREATED AREA)

LAND TYPE	STATION	STATION % TREATED	LINEAR	LINEAR % TREATED
IMPERVIOUS TOTAL[1]	7.15 AC	99.33%	0.96 AC	78.70%
IMPERVIOUS TREATED	7.10 AC		0.76 AC	
DEVELOPED TOTAL[2,3]	10.71 AC	83.75%	2.71 AC	54.90%
DEVELOPED TREATED	8.97 AC		1.49 AC	

[1]IMPERVIOUS TOTAL DOES NOT INCLUDE 0.20 ACRES OF EXEMPTED WETLAND ROAD CROSSING AREA WITH PERMEABLE ROAD BASE

[2]DEVELOPED TOTAL DOES NOT INCLUDE 0.47 ACRES OF EXEMPTED WETLAND ROAD CROSSING AREA WITH PERMEABLE ROAD BASE

[3]DEVELOPED AREA INCLUDES BOTH IMPERVIOUS AND LANDSCAPED SURFACES

0 300 600 Feet

ISSUED FOR PERMITTING
NOT FOR CONSTRUCTION
08/09/18

REV.	DESCRIPTION	DATE	BY	CK	APP
B	MEDEP PERMIT SET COMMENT REVISIONS	05/29/18	TJG	KRV	
C	ACCESS ROAD ALIGNMENT REVISIONS	07/12/18	TJG	KRV	
D	STORMWATER MANAGEMENT REVISIONS	08/09/18	TJG	KRV	

OWNER ENGINEER:
APPROVAL STAMP:
DRAWING PREPARED BY:
ACCEPTED BY OE:
PE Stamp: STATE OF MAINE KENNETH R. VOLCOCK No. 11082 LICENSED PROFESSIONAL ENGINEER 08-09-18 Rev. D

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REV.	DATE	BY	DESCRIPTION	APP.

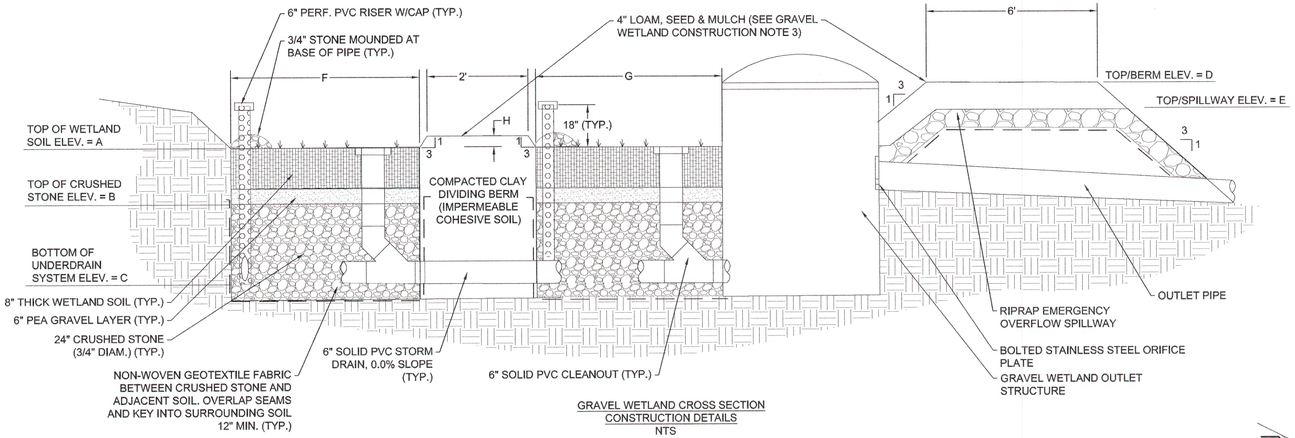
POST-DEVELOPMENT STORMWATER PLAN

SH 4 OF 5

MERRILL ROAD/1076 — LEWISTON, ME

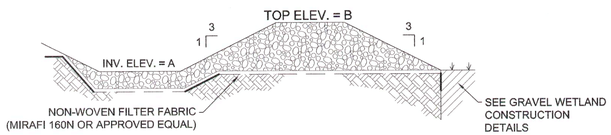
DR.	TJG	SCALE: 1" = 150'	FILE: 1076-003-002SH004.DWG
CK.	KRV	NO. 1076-003-002	REV. D
APP.			
DATE:			

ANSI D CADD Drawing, DO NOT REVISE MANUALLY.



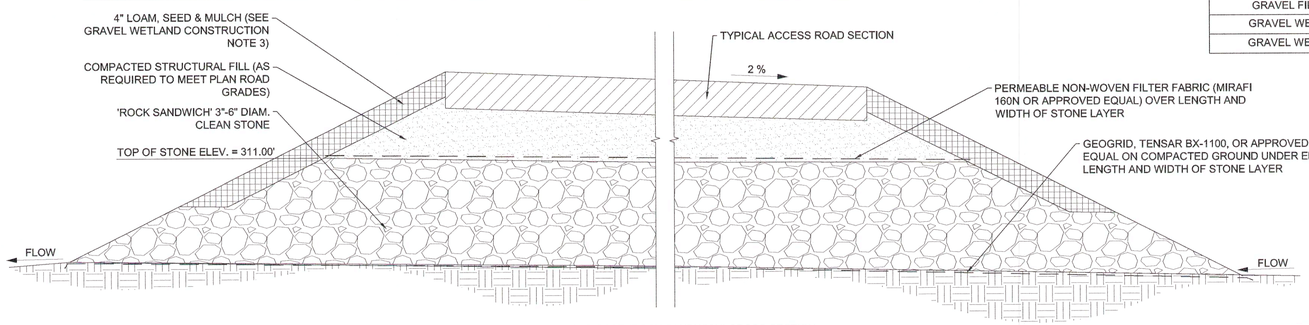
GRAVEL WETLAND CROSS SECTION
CONSTRUCTION DETAILS
NTS

GRAVEL WETLAND ELEVATIONS/GEOMETRY								
GRAVEL WETLAND NUMBER	A	B	C	D	E	F	G	H
GRAVEL WETLAND #1	308.77	307.60	305.60	312.00	310.70	60.00	40.00	7 "
GRAVEL WETLAND #2	308.77	307.60	305.60	312.00	310.80	50.00	45.00	7 "

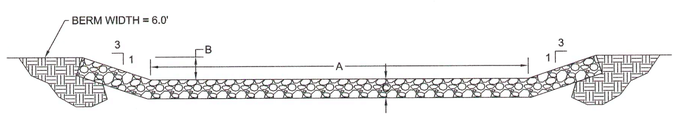


STONE FOREBAY
NTS

STONE FOREBAY ELEVATIONS		
GRAVEL FILTER NO.	A	B
GRAVEL WETLAND #1	311.0	312.0
GRAVEL WETLAND #2	309.0	310.0

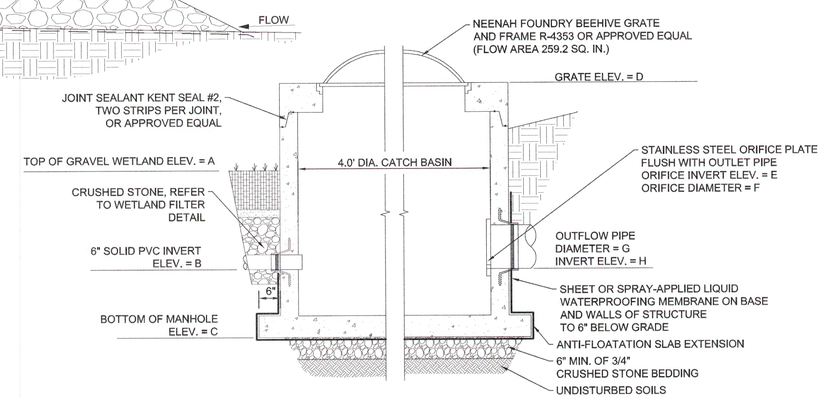


PERMEABLE ROAD BASE (ROCK SANDWICH) CROSS-SECTION
NTS



EMERGENCY SPILLWAY
NTS

EMERGENCY SPILLWAY GEOMETRY						
GRAVEL WETLAND NO.	A	B	C	D	RIP RAP D50	25-YR WATER ELEV.
GRAVEL WETLAND #1	10'	1.30'	18"	310.70	9"	310.72
GRAVEL WETLAND #2	10'	1.20'	12"	310.80	6"	310.80



GRAVEL WETLAND OUTLET STRUCTURE
NTS

GRAVEL WETLAND OUTLET STRUCTURE ELEVATIONS/GEOMETRY								
GRAVEL WETLAND NUMBER	A	B	C	D	E	F	G	H
GRAVEL WETLAND #1	308.77	305.60	304.60	312.00	308.10	7/8"	12.00	308.10
GRAVEL WETLAND #2	308.77	305.60	304.60	312.00	308.10	7/8"	12.00	308.10

GRAVEL WETLAND MATERIAL NOTES:

1. SOLID DRAIN PIPES SHALL BE 6" DIAMETER SCH. 40 PVC. ENDS OF UNDERDRAIN PIPING SHALL BE PLUGGED WITH PIPE FITTINGS. PIPE JOINTS SHALL BE FULLY GLUED.
2. PERFORATED UNDERDRAIN AND VERTICAL RISERS SHALL BE 6" DIAMETER PERFORATED SCH. 40 PVC. RISERS SHALL EXTEND TO 18".
3. COMPACT EMBANKMENT MATERIAL TO 93% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D1557.
4. SIDE SLOPES SHALL BE SEEDED USING "NEW ENGLAND CONSERVATION/WILDLIFE MIX" FROM NEW ENGLAND WETLAND PLANTS, INC.OF AMHERST, MA. OR APPROVED EQUAL (APPLICATION RATE 25# / ACRE).
5. WETLAND PLANTS:
   - 5.1. FERTILIZER SHALL NOT BE USED TO ESTABLISH VEGETATION.
   - 5.2. WETLAND PLANTS SHALL BE A MIX OF REEDS (JUNCUS EFFUSUS), CATTAILS (TYPHA LATIFILIA) AND BULRUSH (SCIRPUS)
6. RIPRAP SHALL HAVE D50 = 9" AND SHALL HAVE NON-WOVEN GEOTEXTILE BETWEEN THE RIPRAP AND SOIL LAYER
7. WETLAND MEDIA MATERIALS:
   - 7.1. WETLAND SOIL SHALL BE 8" THICK MANUFACTURED MIX OF COMPOST, SAND AND FINE SOILS WITH 15% MINIMUM ORGANIC MATTER, 15% SILT PASSING #200 SIEVE AND CLAY LESS THAN 2%. HYDRAULIC CONDUCTIVITY SHALL BE BETWEEN 0.1 AND 0.01 FT./DAY)
   - 7.2. PEA GRAVEL LAYER SHALL BE 6" THICK LAYER OF PEA GRAVEL.
   - 7.3. CRUSHED STONE LAYER SHALL BE 24" THICK LAYER OF ANGULAR 3/4" CRUSHED STONE. PIPE UNDERDRAINS SHALL HAVE A MINIMUM OF 2' OF GRAVEL COVER AND 6" OF BEDDING BELOW THE PIPE.

GRAVEL WETLAND CONSTRUCTION INSPECTION AND TESTING NOTES:

1. GRAVEL WETLAND CONSTRUCTION SHALL BE STARTED NO LATER THAN SEPTEMBER 1 OR EARLIER THAN JUNE 1 WITH SEEDING AND STABILIZATION OCCURRING BY SEPTEMBER 15TH
2. THE SUBAREA DRAINING TO THE WETLAND AND THE WETLAND VEGETATION MUST BE COMPLETELY ESTABLISHED AND STABILIZED BEFORE RUNOFF IS DIRECTED TO THE BASIN
3. CONSTRUCT THE GRAVEL WETLAND UNDER THE SUPERVISION OF THE DESIGN ENGINEER
4. MINIMUM INSPECTION REQUIREMENTS ARE AS FOLLOWS:
   - 4.1. INSPECTIONS BY THE DESIGN ENGINEER DURING CONSTRUCTION:
     - 4.1.1. AFTER PRELIMINARY CONSTRUCTION OF THE WETLAND GRADES AND ONCE THE UNDERDRAIN PIPES ARE INSTALLED BUT NOT BACKFILLED;
     - 4.1.2. AFTER THE CRUSHED STONE LAYER IS CONSTRUCTED AND PRIOR TO THE INSTALLATION OF THE PEA GRAVEL AND WETLAND SOIL LAYERS;
     - 4.1.3. AFTER THE WETLAND SOIL LAYER HAS BEEN INSTALLED AND PLANTED; AND
     - 4.1.4. AFTER EVERY MAJOR STORM EVENT IN THE FIRST YEAR FOLLOWING CONSTRUCTION AND EVERY SIX MONTHS FOLLOWING THE FIRST YEAR ONE TO INSPECT HEALTH OF THE VEGETATION AND MAKE CORRECTIONS
   - 4.2. POST CONSTRUCTION INSPECTIONS SHALL INCLUDE:
     - 4.2.1. CHECK FOR ESTABLISHMENT OF VEGETATION
     - 4.2.2. CHECK AND CLEAN RISERS IF STANDING WATER, DISCOLORED WATER OR ACCUMULATED SEDIMENTS ARE VISIBLE
     - 4.2.3. VERIFY THAT CELLS DRAIN WITHIN 24-48 HOURS
     - 4.2.4. CHECK FOR ACCUMULATED SEDIMENT. REMOVE SEDIMENT BEFORE ACCUMULATION DEPTH REACHES 4" OF SEDIMENT
     - 4.2.5. CHECK AND CLEAN ALL OUTLETS, INLETS AND SPILLWAYS
     - 4.2.6. INSPECT FOR AREAS OF EROSION AND MAKE REPAIRS
     - 4.2.7. REPLACE DEAD OR DECAYING WETLAND VEGETATION
     - 4.2.8. REMOVE FOREIGN PLANT SPECIES
   - 4.3. POST CONSTRUCTION INSPECTIONS DURING THE FIRST YEAR SHALL INCLUDE:
     - 4.3.1. INSPECT THAT THE SYSTEM DRAINS WITHIN 24-48 HOURS
     - 4.3.2. PLANT WATERING AND RE-VEGETATION REQUIREMENTS
     - 4.3.3. INSPECT FOR AREAS OF EROSION AND MAKE REPAIRS
     - 4.3.4. CHECK INLETS, OUTLETS AND RISERS AND REMOVE ACCUMULATED SEDIMENT AND DEBRIS
5. ALL MATERIAL USED FOR THE CONSTRUCTION OF THE GRAVEL WETLAND WILL BE APPROVED BY THE DESIGN ENGINEER, AFTER TESTS BY A CERTIFIED LABORATORY SHOW THAT THEY ARE PASSING MAINE DEP SPECIFICATIONS.
6. THE CONTRACTOR SHALL SUBMIT SAMPLES OF EACH TYPE OF MATERIAL TO BE USED FOR THE WETLAND SOIL MEDIA AND SAMPLES OF THE UNDERDRAIN BEDDING MATERIAL. SAMPLES MUST BE A COMPOSITE OF THREE DIFFERENT LOCATIONS (GRABS) FROM THE STOCKPILE OR PIT FACE. SAMPLE SIZE REQUIRED WILL BE DETERMINED BY THE TESTING LABORATORY.
7. THE CONTRACTOR SHALL PERFORM, OR HAVE PERFORMED, A SIEVE ANALYSIS CONFORMING TO ASTM C138 ON EACH TYPE OF THE SAMPLE MATERIAL. ALL MATERIALS SHALL HAVE A CLAY CONTENT OF LESS THAN 2% AS DETERMNED BY HYDROMETER GRAIN SIZE ANALYSIS.
8. THE CONTRACTOR SHALL PERFORM, OR HAVE PERFORMED, A PERMEABILITY TEST ON THE SOIL FILTER MEDIA MATERIALS CONFORMING TO ASTM D2434 WITH THE MIXTURE COMPACTED TO 90 - 92% OF MAXIMUM DRY DENSITY BASED ON ASTM D698.
9. THE CONTRACTOR SHALL PROVIDE SUBMITTALS FOR EACH COMPONENT OF THE GRAVEL WETLAND, IDENTIFYING THE SOURCE.

PERMEABLE ROAD BASE NOTES:

1. PRIOR TO PLACING THE GEOGRID BENEATH THE STONE LAYER, PERFORM A MINIMAL AMOUNT OF STRIPPING OF EXISTING VEGETATION, ONLY AS NEEDED, TO ALLOW FOR A REASONABLY FLAT GROUND SURFACE FOR THE GEOGRID PLACEMENT
2. DO NOT STUMP OR SIGNIFICANTLY GRUB WETLAND SURFACES. CUT TREES CLOSE TO THE GROUND LEAVING STUMPS IN PLACE.
3. MINIMIZE GROUND DISTURBANCE AND AVOID EXCAVATING DITCHES.
4. AFTER THE SITE HAS BEEN PREPARED PLACE THE GEOGRID OVER THE LENGTH OF THE ROADWAY WITH MINIMUM 18" OVERLAP AT THE JOINTS.
5. THE ROCK CORE SHALL BE, AT MINIMUM, A 12" THICK LAYER OF CLEAN 3"-6" DIAMETER STONE ON GEOGRID FOR THE ENTIRE ROADWAY LENGTH AND WIDTH.
6. PLACE THE PERMEABLE, NON-WOVEN FILTER FABRIC ON TOP OF THE ENTIRE LENGTH AND WIDTH OF THE ROCK LAYER. DO NOT COVER UP-GRADIENT AND DOWN-GRADIENT SIDES OF THE ROCK LAYER WITH FABRIC.
7. IF INADVERTENT SOIL DISTURBANCE HAS OCCURRED UP-GRADIENT OF THE ROCK SANDWICH, PLACE STONE ON THE DISTURBED SOIL THAT WILL PREVENT SOIL MIGRATION TO THE ENDS OF THE ROCK SANDWICH.
8. PLACE ADDITIONAL ROAD FILL TO ACHIEVE DESIGN GRADES.

ISSUED FOR PERMITTING
NOT FOR CONSTRUCTION
08/09/18

REV.	DESCRIPTION	DATE	BY	CK	APP
A	ACCESS ROAD ALIGNMENT REVISIONS	07/12/18	TJG	KRV	
B	STORMWATER MANAGEMENT REVISIONS	08/09/18	TJG	KRV	

OWNER ENGINEER:
APPROVAL STAMP:
DRAWING PREPARED BY:
ACCEPTED BY OE:
PE Stamp
STATE OF MAINE KENNETH R. VOLOCK No. 11082 LICENSED PROFESSIONAL ENGINEER
Nov. 18

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REV.	DATE	BY	DESCRIPTION	APP.

CMP IBERDROLA - USA

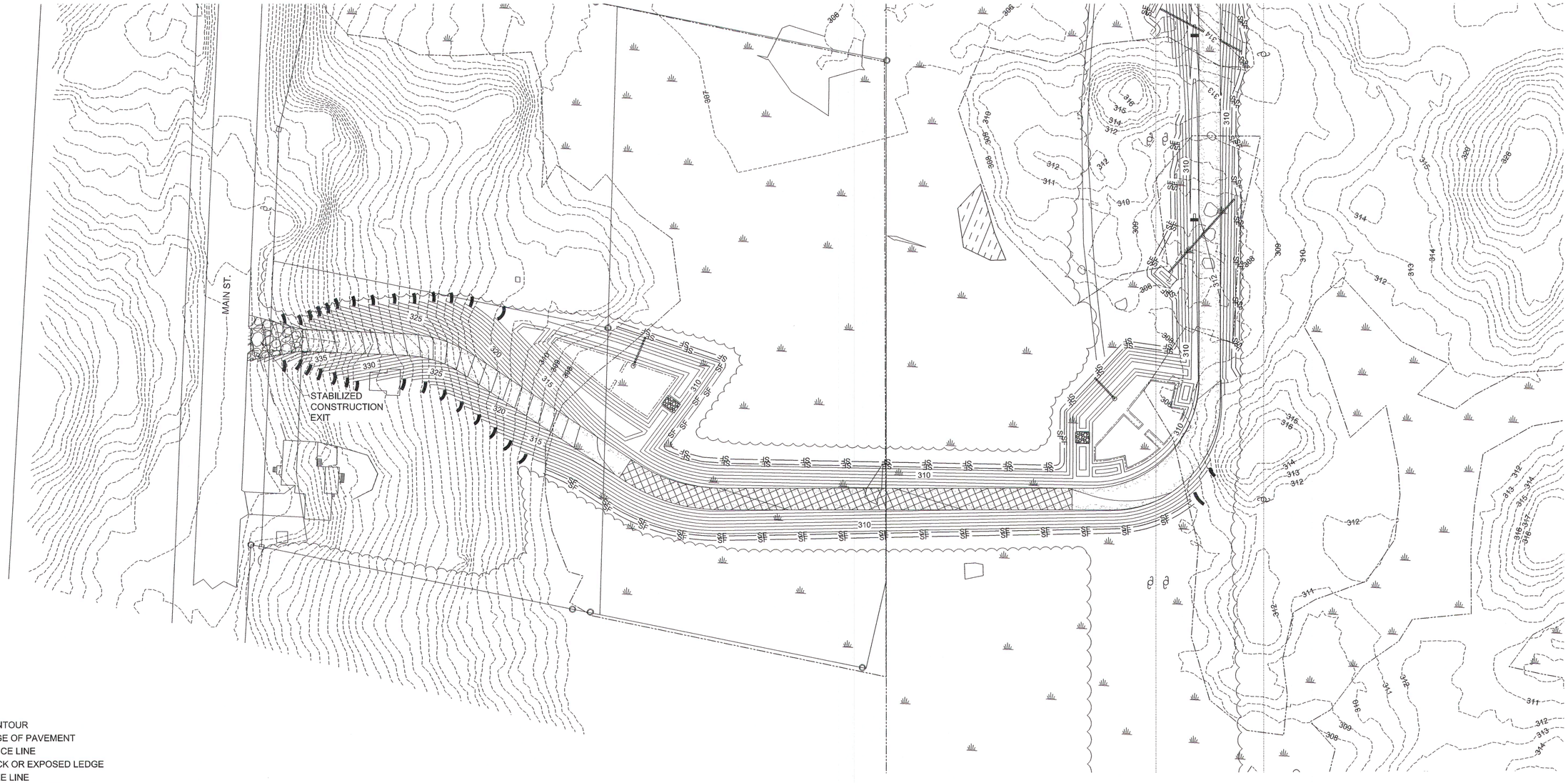
STORMWATER TREATMENT PLAN

SH 5 OF 5

MERRILL ROAD/1076 LEWISTON, ME

DR. TJG | SCALE: N/A | FILE: 1076-003-002SH002.DWG
CK. KRV | NO. 1076-003-002 | REV. B
APP.
DATE:

ANSI D CADD Drawing, DO NOT REVISE MANUALLY.



LEGEND

- 309 — EXISTING CONTOUR
- EXISTING EDGE OF PAVEMENT
- EXISTING FENCE LINE
- EXISTING ROCK OR EXPOSED LEDGE
- EXISTING TREE LINE
- EXISTING TRANSMISSION RIGHT-OF-WAY
- EXISTING STREAM
- EXISTING UTILITY POLE/OH LINE
- EXISTING WETLAND BOUNDARY
- EXISTING BUILDING
- 310 — PROPOSED CONTOUR
- PROPOSED EDGE OF GRAVEL
- PROPOSED STABILIZED CONSTRUCTION EXIT
- PROPOSED FENCE LINE
- PROPOSED EDGE GRAVEL YARD SURFACE
- PROPOSED SITE LAYOUT POINT
- PROPOSED TREE LINE
- SF — PROPOSED SILT FENCE
- PROPERTY LINE
- PROPOSED CHECK DAM

EROSION AND SEDIMENT CONTROL PLAN 1

SCALE: 1"= 50'

ISSUED FOR REVIEW
NOT FOR CONSTRUCTION
07/12/18

50 0 50 100 FT
SCALE: 1"= 50'

REV.	DESCRIPTION	DATE	BY	CK	APP
B	ACCESS ROAD ALIGNMENT REVISIONS	07/12/18	RST	KRV	

OWNER ENGINEER:

DRAWING PREPARED BY:

APPROVAL STAMP:

ACCEPTED BY OE:

PE Stamp: STATE OF MAINE — KENNETH R. VOLOCK No. 16092 — LICENSED PROFESSIONAL ENGINEER — 07-12-18 REV. B

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CMP IBERDROLA - USA

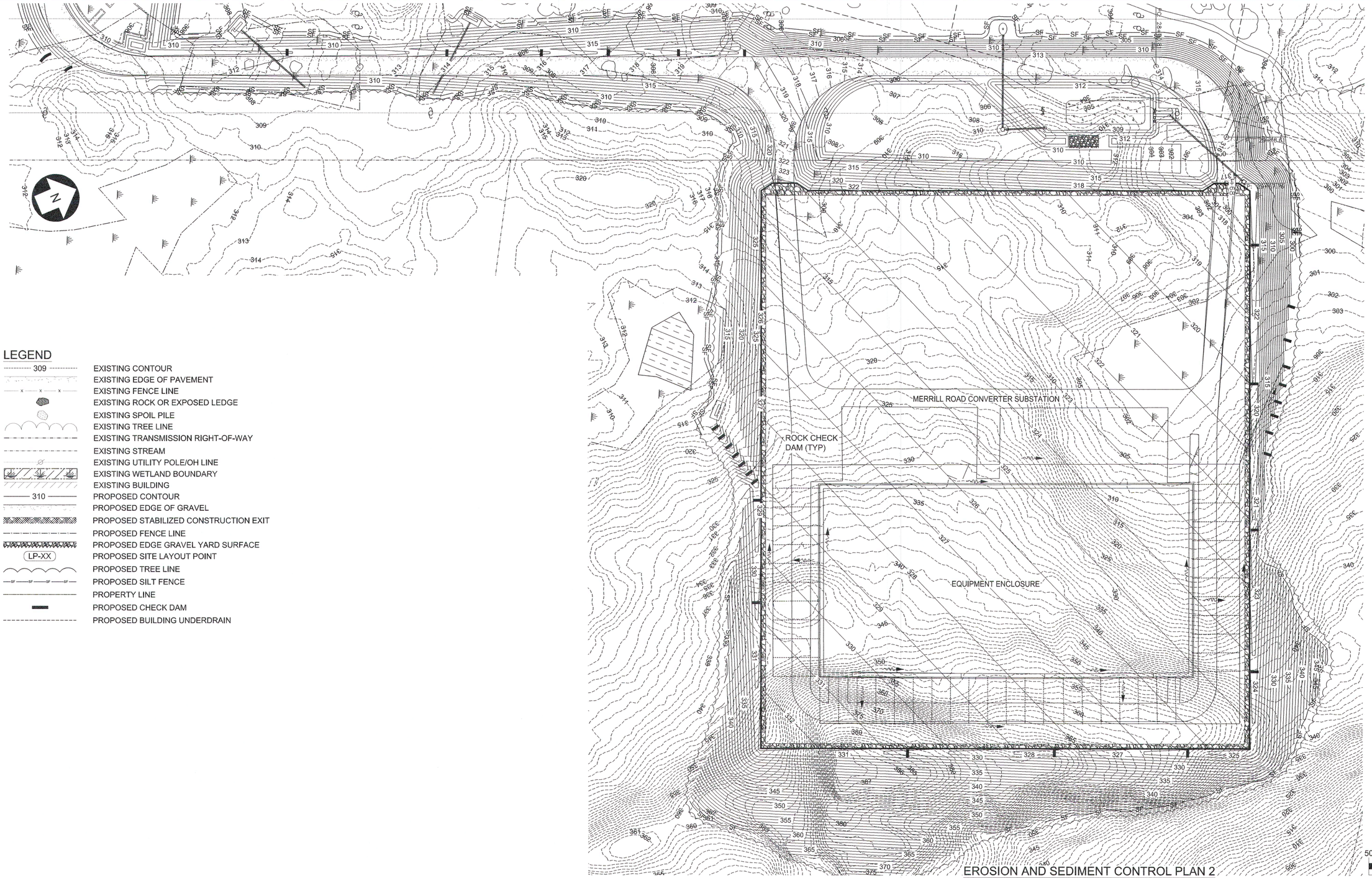
REV.	DATE	BY	DESCRIPTION	APP.

EROSION AND SEDIMENT CONTROL PLAN 1
SH 1 OF 2

MERRILL ROAD/1076 — LEWISTON, ME

DR.	EVD	SCALE: 1" = 50'-0"	FILE: 1076-003-003SH001.DWG
CK.	KRV	NO.	REV.
APP.		1076-003-003	B
DATE:			

ANSI D CADD Drawing, DO NOT REVISE MANUALLY.



LEGEND

- 309 — EXISTING CONTOUR
- EXISTING EDGE OF PAVEMENT
- EXISTING FENCE LINE
- EXISTING ROCK OR EXPOSED LEDGE
- EXISTING SPOIL PILE
- EXISTING TREE LINE
- EXISTING TRANSMISSION RIGHT-OF-WAY
- EXISTING STREAM
- EXISTING UTILITY POLE/OH LINE
- EXISTING WETLAND BOUNDARY
- EXISTING BUILDING
- 310 — PROPOSED CONTOUR
- PROPOSED EDGE OF GRAVEL
- PROPOSED STABILIZED CONSTRUCTION EXIT
- PROPOSED FENCE LINE
- PROPOSED EDGE GRAVEL YARD SURFACE
- LP-XX — PROPOSED SITE LAYOUT POINT
- PROPOSED TREE LINE
- SF — PROPOSED SILT FENCE
- PROPERTY LINE
- PROPOSED CHECK DAM
- PROPOSED BUILDING UNDERDRAIN

EROSION AND SEDIMENT CONTROL PLAN 2

SCALE: 1"= 50'

50 0 50 100 FT

SCALE: 1"= 50'

ISSUED FOR REVIEW
NOT FOR CONSTRUCTION
07/12/18

REV.	DESCRIPTION	DATE	BY	CK	APP
B	MEDEP PERMIT SET COMMENT REVISIONS	05/29/18	EVD	KRV	
C	ACCESS ROAD ALIGNMENT REVISIONS	07/12/18	RST	KRV	

OWNER ENGINEER:

APPROVAL STAMP:

DRAWING PREPARED BY:

ACCEPTED BY OE:

PE Stamp: STATE OF MAINE — KENNETH R. VAN COCK — No. 11082 — LICENSED — PROFESSIONAL ENGINEER — 07-12-18 Rev. C

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REV.	DATE	BY	DESCRIPTION	APP.

EROSION AND SEDIMENT CONTROL PLAN 2

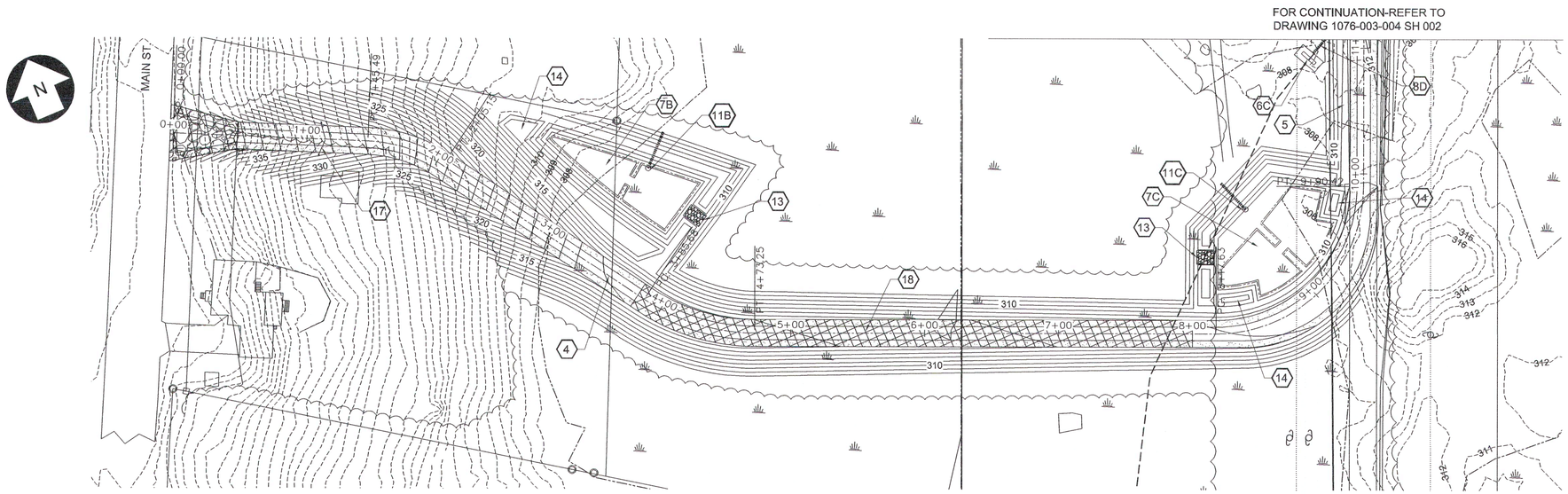
SH 2 OF 2

MERRILL ROAD/1076 — LEWISTON , ME

DR.	EVD	SCALE: 1"=100'	FILE: 1076-003-003SH002.DWG
CK.	KRV	NO.	
APP.			
DATE:			

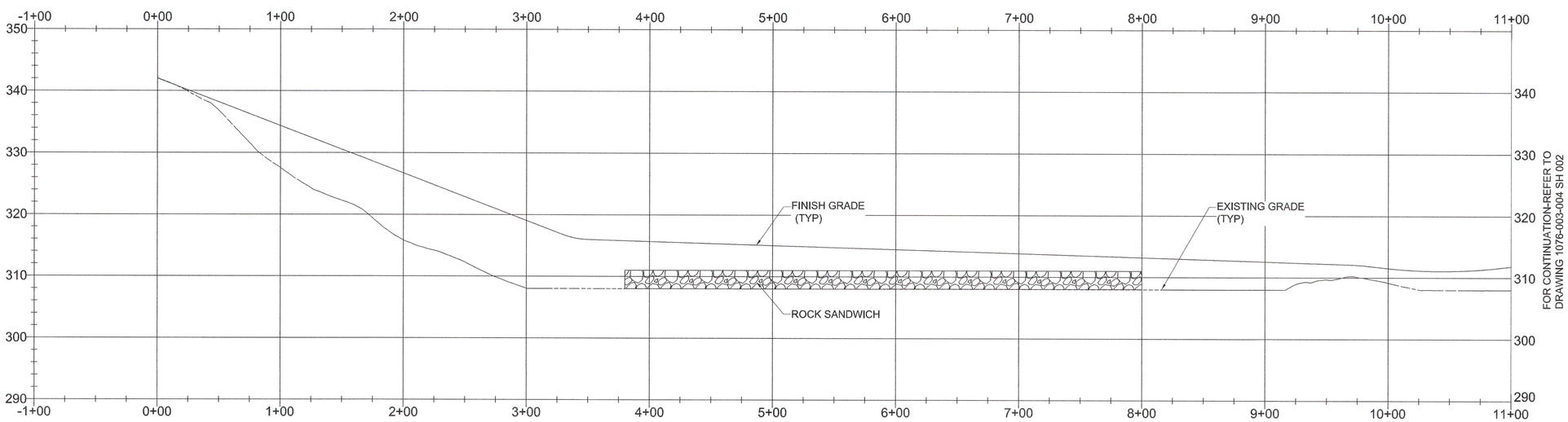
1076-003-003 — REV. C

ANSI D — CADD Drawing, DO NOT REVISE MANUALLY.



ROAD PLAN STATION 0+00 TO 11+00

SCALE: 1"= 50'



ROAD PROFILE STATION 0+00 TO 11+00

SCALE HORIZ: 1"= 50'
VERT: 1"= 5'

LEGEND

- 198 — EXISTING CONTOUR
- EXISTING EDGE OF PAVEMENT
- EXISTING FENCE LINE
- EXISTING ROCK OR EXPOSED LEDGE
- EXISTING SPOIL PILE
- EXISTING TREE LINE
- EXISTING TRANSMISSION RIGHT-OF-WAY
- EXISTING STREAM
- EXISTING UTILITY POLE/OH LINE
- EXISTING WETLAND BOUNDARY
- EXISTING BUILDING
- 310 — PROPOSED CONTOUR
- PROPOSED EDGE OF GRAVEL
- PROPOSED GRAVEL ACCESS RAMP
- PROPOSED FENCE LINE
- PROPOSED STABILIZED CONSTRUCTION EXIT
- LP-XX — PROPOSED SITE LAYOUT POINT
- PROPOSED TREE LINE
- PROPOSED SILT FENCE
- PROPERTY LINE
- PROPOSED CHECK DAM
- LIMIT OF CONSTRUCTION
- LIMIT OF FOUNDATION CONSTRUCTION
- PROPOSED GRAVEL BASE DRAINAGE BLANKET

NOTES:

1. TOPOGRAPHIC SURVEY PERFORMED BY SACKETT & BRAKE SURVEY, INC. DATED JUNE 12, 2017. HORIZONTAL DATUM - NAD83 MAINE STATE PLANE COORDINATE SYSTEM, WEST ZONE, US SURVEY FEET, VERTICAL DATUM-NAVD88 FEET.
2. ADDITIONAL TRANSMISSION LINE REFERENCE DRAWINGS, 1011-T200-24 AND 1011-T251-023.

WORK NOTES

- (4) GRAVEL ACCESS ROAD - SEE DETAIL, DWG 1076-003-005 SHEET 1.
- (5) VEGETATED DRAINAGE SWALE - SEE DETAIL, DWG 1076-003-005 SHEET 1.
- (6C) LEVEL SPREADER LS-4 - SEE DETAIL, DWG 1076-003-005 SHEET 2.
- (7B) GRAVEL WETLAND #1 - SEE DETAIL, DWG 1076-003-002 SHEET 5.
- (7B) GRAVEL WETLAND #2 - SEE DETAIL, DWG 1076-003-002 SHEET 5.
- (8D) 18" CULVERT PIPE - INV. IN = 308.0', INV. OUT = 307.75'
- (11B) GRAVEL WETLAND OUTLET STRUCTURE #1 - SEE DETAIL, DWG. 1076-003-002 SHEET 5.
- (11C) GRAVEL WETLAND OUTLET STRUCTURE #2 - SEE DETAIL, DWG. 1076-003-002 SHEET 5.
- (13) EMERGENCY SPILLWAY - SEE DETAIL, DWG. 1076-003-002 SHEET 2.
- (14) STONE FOREBAY - SEE DETAIL, DWG. 1076-003-002 SHEET 2.
- (17) SECURITY GATE - SEE DETAIL, 1076-003-005 SHEET 3.
- (18) WETLAND ROAD CROSSING W/ PERMEABLE ROAD BASE - SEE DETAIL, 1076-003-005 SHEET 5.

50 0 50 100 FT
SCALE: 1"= 50'

ISSUED FOR PERMITTING
NOT FOR CONSTRUCTION
07/12/18

REV.	DESCRIPTION	DATE	BY	CK	APP
B	ACCESS ROAD ALIGNMENT REVISIONS	07/12/18	RST	KRV	

OWNER ENGINEER:
APPROVAL STAMP:
DRAWING PREPARED BY:
ACCEPTED BY OE:
PE Stamp: STATE OF MAINE, KENNETH R. VOLOCK No. 11082, LICENSED PROFESSIONAL ENGINEER, 07-12-18, Rev. B

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CMP IBERDROLA - USA

REV.	DATE	BY	DESCRIPTION	APP.

ROAD PLAN AND PROFILE 1

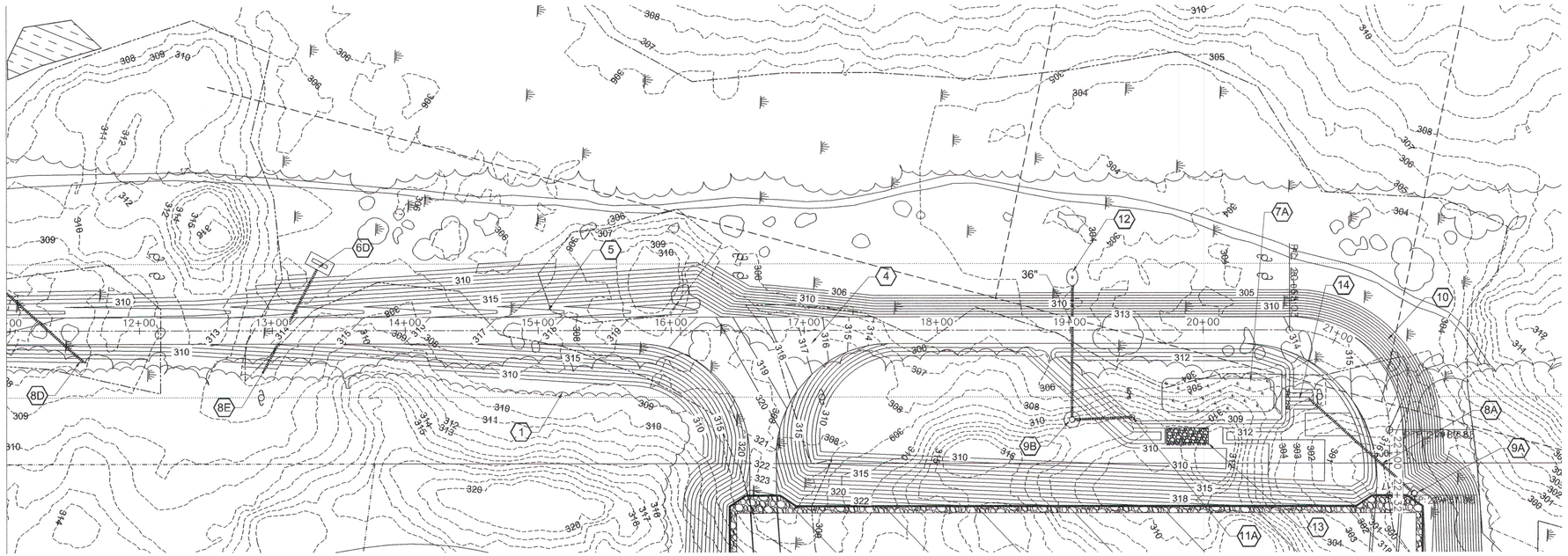
SH 1 OF 2

MERRILL ROAD/1076 LEWISTON, ME

DR. EVD | SCALE: 1"=50' | FILE: 1076-003-004SH001.DWG
CK. KRV | NO. 1076-003-004 | REV. B
APP.
DATE:

ANSI D CADD Drawing, DO NOT REVISE MANUALLY.

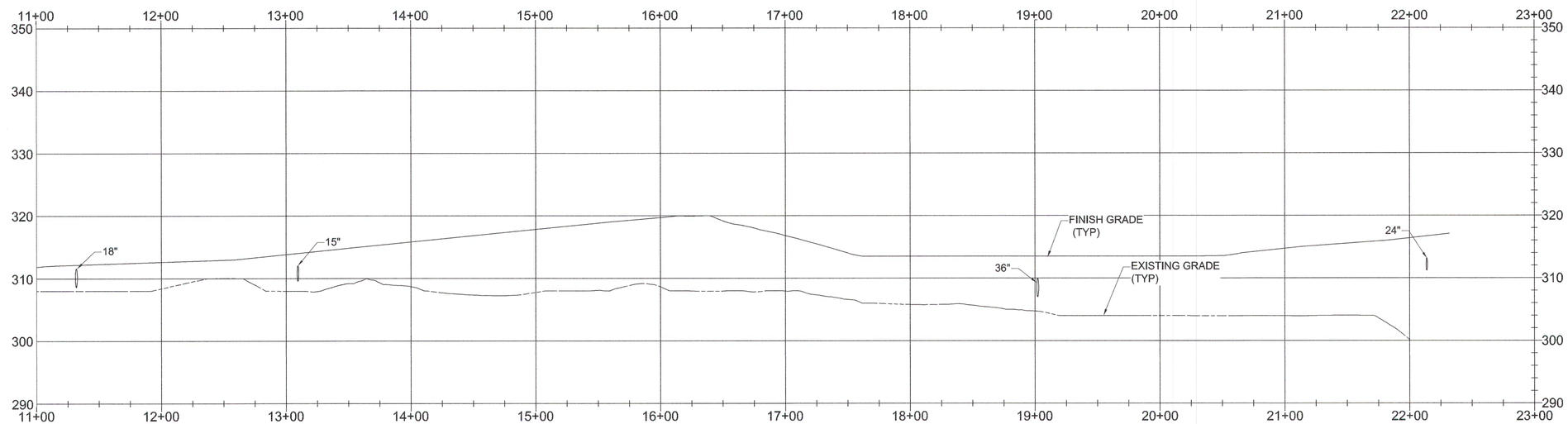
FOR CONTINUATION-REFER TO DRAWING 1076-003-004 SH 001



ROAD PLAN STATION 11+00 TO 22+31.98

SCALE: 1"= 50'

FOR CONTINUATION-REFER TO DRAWING 1076-003-004 SH 001



ROAD PROFILE STATION 11+00 TO 22+31.98

SCALE HORIZ: 1"= 50'
VERT: 1"= 10'

LEGEND

309	EXISTING CONTOUR
	EXISTING EDGE OF PAVEMENT
	EXISTING FENCE LINE
	EXISTING ROCK OR EXPOSED LEDGE
	EXISTING SPOIL PILE
	EXISTING TREE LINE
	EXISTING TRANSMISSION RIGHT-OF-WAY
	EXISTING STREAM
	EXISTING UTILITY POLE/OH LINE
	EXISTING WETLAND BOUNDARY
	EXISTING BUILDING
310	PROPOSED CONTOUR
	PROPOSED EDGE OF GRAVEL
	PROPOSED GRAVEL ACCESS RAMP
	PROPOSED FENCE LINE
	PROPOSED STABILIZED CONSTRUCTION EXIT
LP-XX	PROPOSED SITE LAYOUT POINT
	PROPOSED TREE LINE
	PROPOSED SILT FENCE
	PROPERTY LINE
	PROPOSED CHECK DAM

NOTES:

1. TOPOGRAPHIC SURVEY PERFORMED BY SACKETT & BRAKE SURVEY, INC. DATED JUNE 12, 2017. HORIZONTAL DATUM - NAD83 MAINE STATE PLANE COORDINATE SYSTEM, WEST ZONE, US SURVEY FEET, VERTICAL DATUM-NAVD88 FEET.
2. ADDITIONAL TRANSMISSION LINE REFERENCE DRAWINGS, 1011-T200-24 AND 1011-T251-023.

WORK NOTES

1. PROPOSED TREE LINE.
4. GRAVEL ACCESS ROAD - SEE DETAIL, DWG 1076-003-005 SHEET 1.
5. VEGETATED DRAINAGE SWALE - SEE DETAIL, DWG 1076-003-005 SHEET 1.
6D. LEVEL SPREADER LS-3 - SEE DETAIL, DWG 1076-003-005 SHEET 2.
7A. GRASSED UNDERDRAIN SOIL FILTER #1 - SEE DETAIL, DWG 1076-003-002 SHEET 2.
8A. 24" CULVERT PIPE- INV IN = 312.0', INV OUT = 310.0'
8B. 24" CULVERT PIPE- INV IN = 305.60', INV OUT = 305.30'
8C. 36" CULVERT PIPE-INV IN = 305.30', INV OUT = 305.00'
8D. 18" CULVERT PIPE - INV. IN = 308.80', INV. OUT = 307.75'
8E. 15" CULVERT PIPE - INV. IN = 307.0', INV. OUT = 306.25'
9A. CATCH BASIN, CB-2 - RIM ELEV. = 316.0', SEE DETAIL DWG 1076-003-002 SHEET 2.
9B. CATCH BASIN/SEDIMENT BASIN OUTLET STRUCTURE, CB-1 - SEE DETAIL DWG 1076-003-002 SHEET 2.
10. ALL SLOPES GREATER THAN 3 TO 1 SHALL RECEIVE EROSION CONTROL BLANKET - SEE DETAIL DWG 1076-003-005 SHEET 4.
11A. SOIL FILTER OUTLET STRUCTURE #1 - SEE DETAIL, DWG. 1076-003-002 SHEET 2.
12. RIP RAP PLUNGE POOL - SEE DETAIL, DWG. 1076-003-005 SHEET 2.
13. EMERGENCY SPILLWAY - SEE DETAIL, DWG. 1076-003-002 SHEET 2.
14. STONE FOREBAY - SEE DETAIL, DWG. 1076-003-002 SHEET 2.

50 0 50 100 FT
SCALE: 1"= 50'

ISSUED FOR PERMITTING
NOT FOR CONSTRUCTION
07/12/18

REV.	DESCRIPTION	DATE	BY	CK	APP
B	ACCESS ROAD ALIGNMENT REVISIONS	07/12/18	RST	KRV	

OWNER ENGINEER:
APPROVAL STAMP:
DRAWING PREPARED BY:
ACCEPTED BY OE:
PE Stamp: STATE OF MAINE, KENNETH R. VOLOCH, No. 11062, LICENSED PROFESSIONAL ENGINEER, 07-12-18, Rev. B

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CMP IBERDROLA - USA

REV.	DATE	BY	DESCRIPTION	APP.

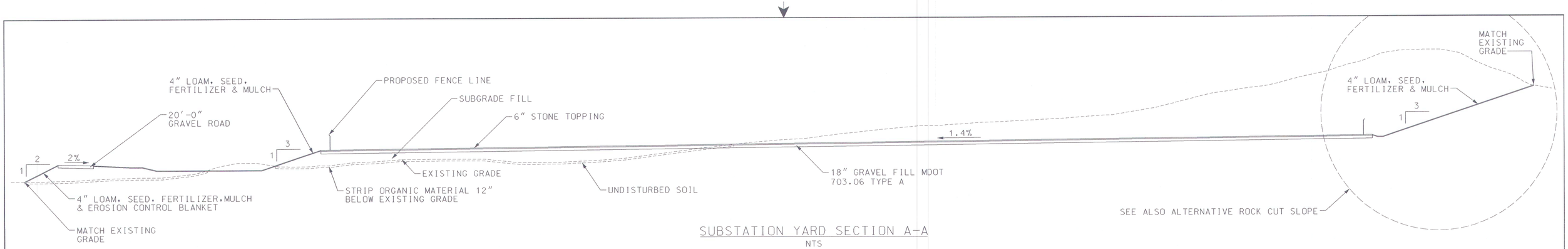
ROAD PLAN AND PROFILE 2

SH 2 OF 2

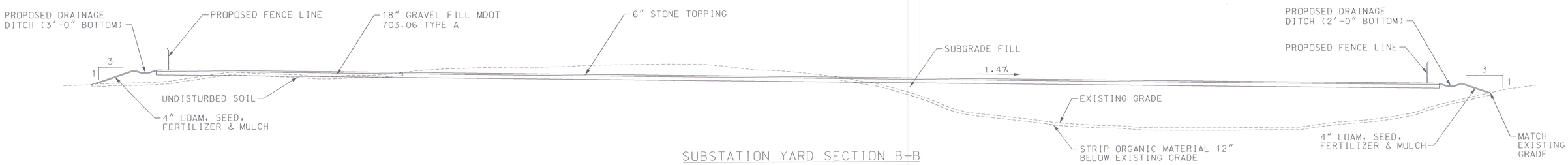
MERRILL ROAD/1076 LEWISTON, ME

DR.	EVD	SCALE:	FILE: 1076-003-004SH002.DWG	
CK.	KRV	NO.		REV.
APP.		1076-003-004		B
DATE:				

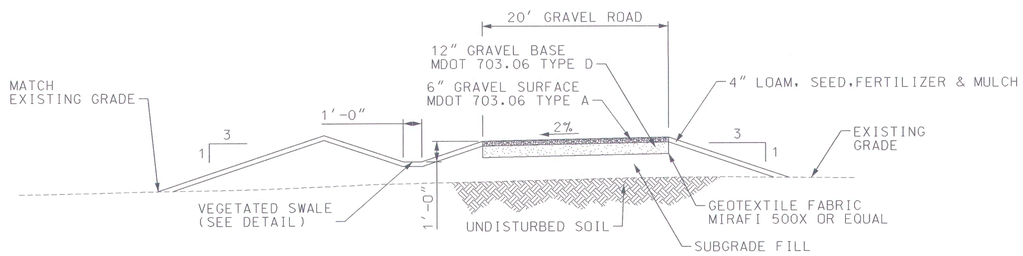
ANSI D CADD Drawing, DO NOT REVISE MANUALLY.



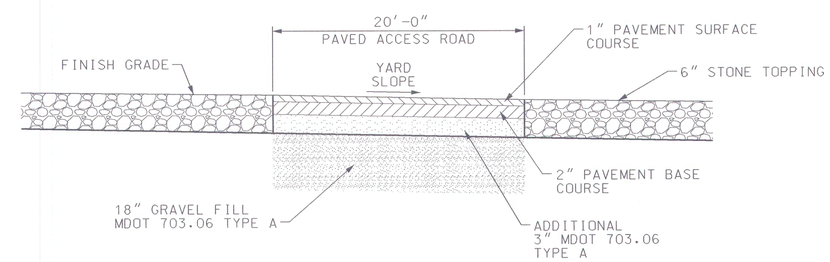
SUBSTATION YARD SECTION A-A
NTS



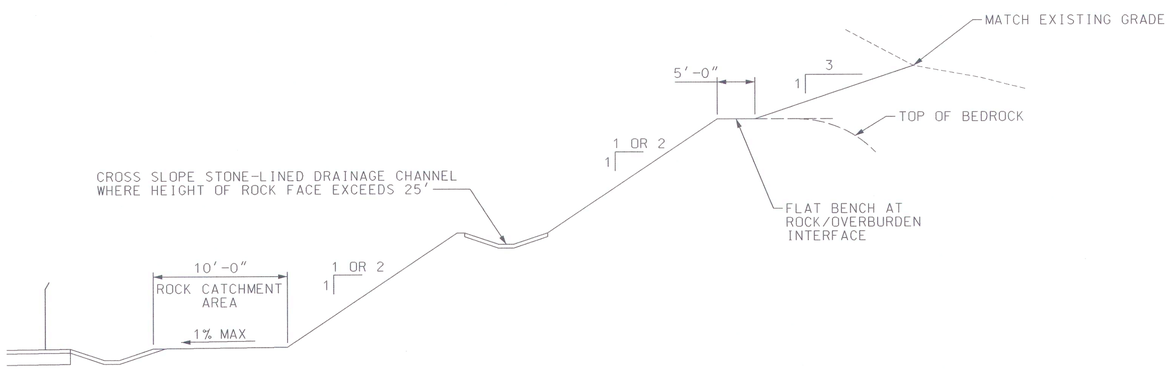
SUBSTATION YARD SECTION B-B
NTS



TYPICAL GRAVEL ACCESS ROAD SECTION
NTS



TYPICAL PAVED ROADWAY SECTION
NTS



ALTERNATIVE ROCK CUT SLOPE
NTS

NOTES:

1. FILL SLOPES SHALL BE CONSTRUCTED AS LEVEL BENCHES WHICH ARE OVERBUILT TO FACILITATE COMPACTION. THE FINAL SLOPE FACE SHALL BE CONSTRUCTED BY CUTTING BACK INTO THE COMPACTED CORE.

2. WHERE GREATER THAN 4'-0" OF FILL IS REQUIRED, SUBSTATION YARD SHALL BE FILLED TO 4'-0" BELOW GRADES SHOWN ON THE GRADING PLAN WITH SUBGRADE FILL. FROM 4'-0" BELOW TO GRADE, FILL SHALL BE GRAVEL BORROW.

ISSUED FOR PERMITTING
NOT FOR CONSTRUCTION
08/09/18

REV.	DESCRIPTION	DATE	BY	CK	APP
B	MDEP PERMIT SET COMMENT REVISION	08/09/18	RST	KRV	

OWNER ENGINEER:
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DRAWING PREPARED BY:
ACCEPTED BY OE:

PE Stamp: STATE OF MAINE, KENNETH R. WALCOK, NO. 11982, LICENSED PROFESSIONAL ENGINEER, 08-09-18, Rev. B

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CMP IBERDROLA - USA

REV.	DATE	BY	DESCRIPTION	APP.

SITE DETAILS 1

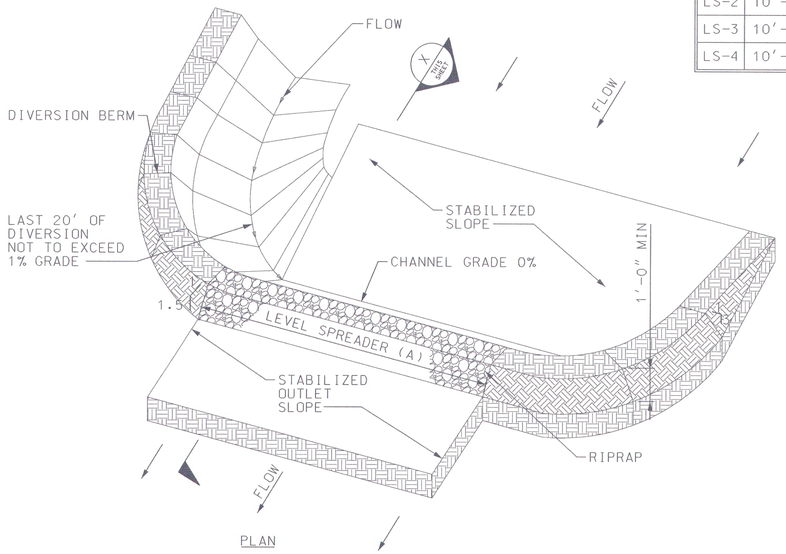
SH 1 OF 6

MERRILL ROAD/1076 LEWISTON, ME

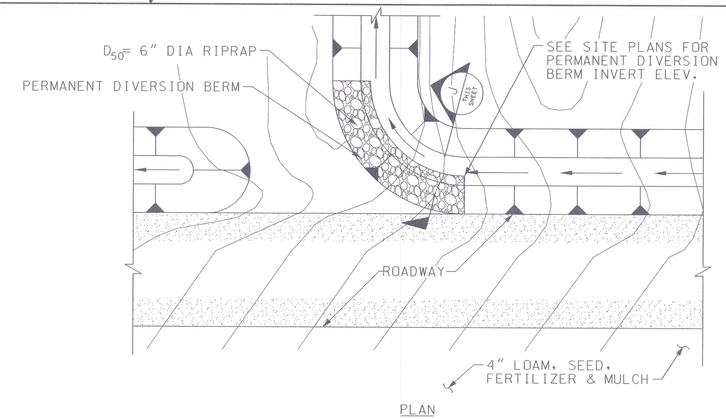
DR.	EVD	SCALE: AS NOTED	FILE: 1076-003-005SH001.DWG
CK.	KRV	NO.	REV.
APP.	.	1076-003-005	B
DATE:	.		

ANSI D CADD Drawing, DO NOT REVISE MANUALLY.

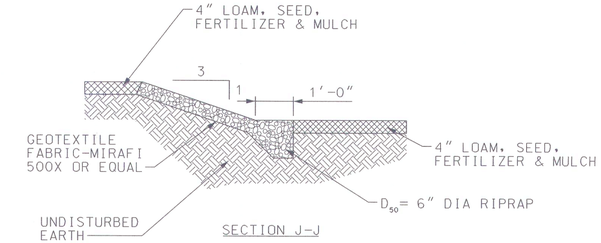
LEVEL SPREADER CHART			
ID	LENGTH (A)	INVERT (B)	DEPTH (C)
LS-1	10'-0"	298.00'	1'-0"
LS-2	10'-0"	315.00'	1'-0"
LS-3	10'-0"	306.25'	1'-0"
LS-4	10'-0"	307.75'	1'-0"



PLAN



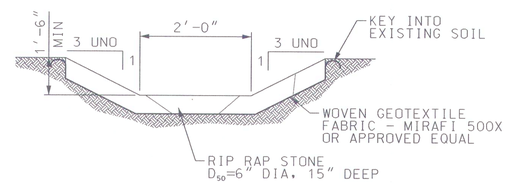
PLAN



SECTION J-J

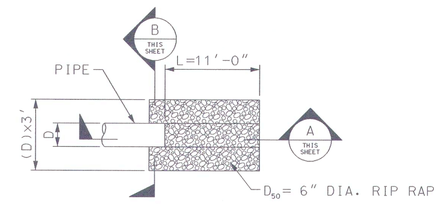
PERMANENT DIVERSION BERM DETAIL

NTS



TYPICAL RIPRAP DRAINAGE SWALE

NTS



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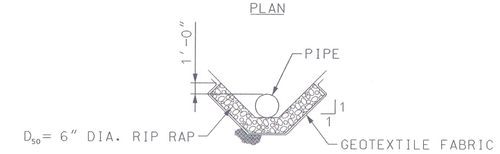
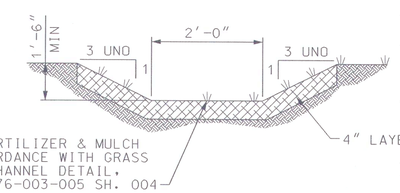
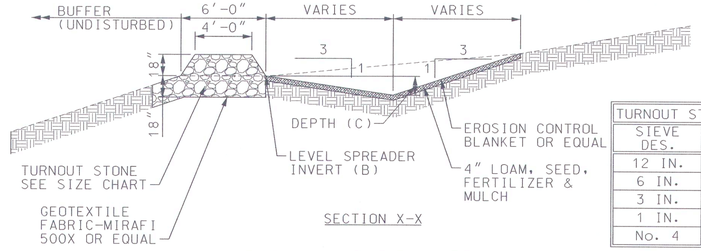


SECTION B-B



TYPICAL VEGETATED DRAINAGE SWALE

NTS

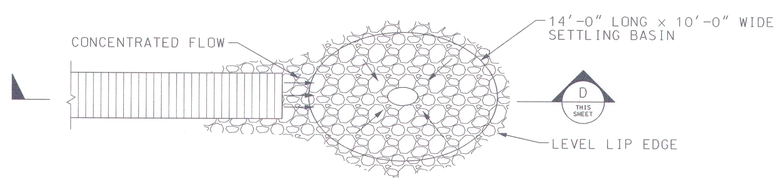


SECTION X-X

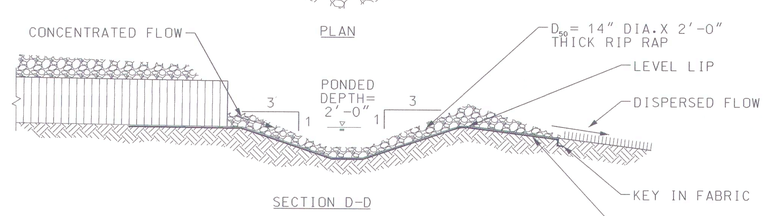
TURNOUT STONE SIZE	
SIEVE DES.	% PASSING BY WEIGHT
12 IN.	100
6 IN.	84-100
3 IN.	68-83
1 IN.	42-55
No. 4	8-12

LEVEL SPREADER DETAIL

NTS



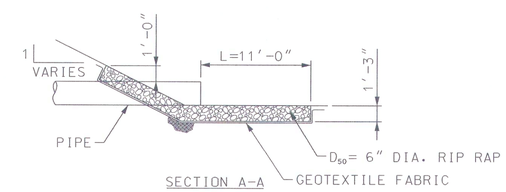
PLAN



SECTION D-D

RIP RAP PLUNGE POOL DETAIL

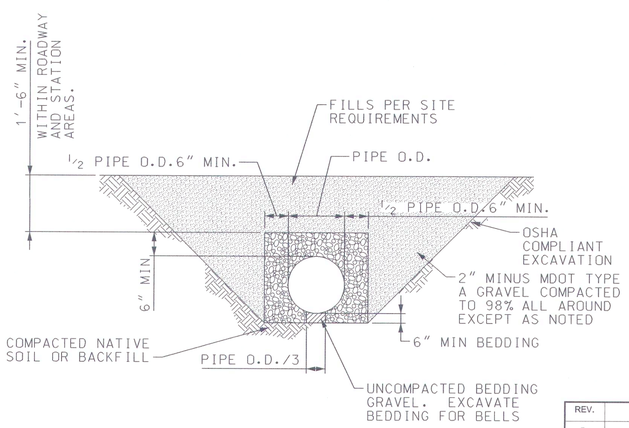
NOT TO SCALE



SECTION A-A

CULVERT INLET/OUTLET PROTECTION

NOT TO SCALE



TYPICAL CULVERT SECTION

NOT TO SCALE

ISSUED FOR PERMITTING
NOT FOR CONSTRUCTION
08/09/18

REV.	DESCRIPTION	DATE	BY	CK	APP
B	MDEP PERMIT SET COMMENT REVISIONS	08/09/18	RST	KRV	

OWNER ENGINEER:
APPROVAL STAMP:
DRAWING PREPARED BY:
ACCEPTED BY OE:

PE Stamp: STATE OF MAINE — KENNETH R. VOLOCK, No. 11662, LICENSED PROFESSIONAL ENGINEER — 08-09-18 Rev. B

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CMP IBERDROLA - USA

REV.	DATE	BY	DESCRIPTION	APP.

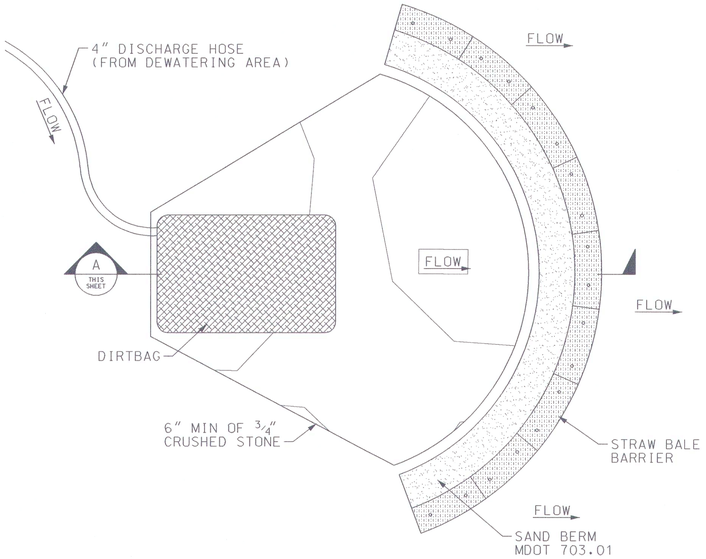
SITE DETAILS 2

SH 2 OF 6

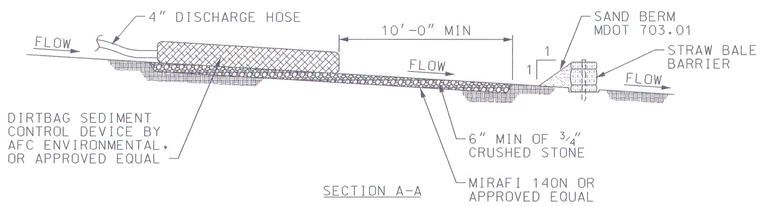
MERRILL ROAD/1076 — LEWISTON, ME

DR.	EVD	SCALE: AS NOTED	FILE: 1076-003-005SH002.DWG
CK.	KRV	NO.	REV.
APP.		1076-003-005	B
DATE:			

ANSI D CADD Drawing, DO NOT REVISE MANUALLY.

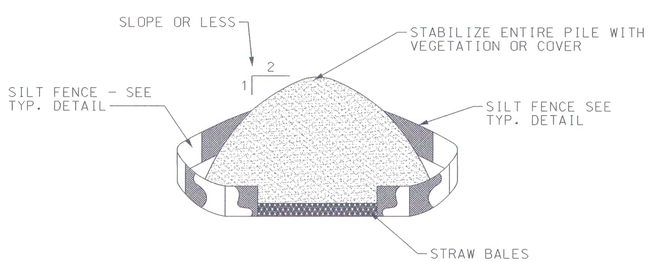


PLAN



SECTION A-A

DEWATERING SYSTEM DETAIL
NTS



INSTALLATION NOTES:

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2H:1V.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAW BALES, THEN STABILIZED WITH VEGETATION OR COVERED.

TYPICAL TOPSOIL STOCKPILE
NTS

DEWATERING NOTES:

1. THE CONTRACTOR SHALL INSTALL, MAINTAIN, AND OPERATE ALL CHANNELS, SUMPS, AND ALL OTHER TEMPORARY DIVERSION AND PROTECTIVE WORKS NEEDED TO DIVERT STREAM FLOW AND OTHER SURFACE WATER THROUGH OR AROUND THE CONSTRUCTION SITE. CONTROL OF SURFACE WATER SHALL BE CONTINUOUS DURING THE PERIOD THAT DAMAGE TO CONSTRUCTION WORK COULD OCCUR.
2. OPEN EXCAVATIONS SHALL BE DEWATERED AND KEPT FREE OF STANDING WATER AND MUDDY CONDITIONS AS NECESSARY FOR THE PROPER EXECUTION OF THE WORK. THE CONTRACTOR SHALL FURNISH, INSTALL, OPERATE, AND MAINTAIN ALL DRAINS, SUMPS AND ALL OTHER EQUIPMENT REQUIRED TO PROPERLY DEWATER THE SITE. DEWATERING SYSTEMS THAT CAUSE A LOSS OF SOIL FINES FROM THE FOUNDATION AREAS WILL NOT BE PERMITTED.
3. INSTALL DIVERSION DITCHES OR BERMS IF NECESSARY TO MINIMIZE THE AMOUNT OF CLEAN STORMWATER RUNOFF ALLOWED INTO THE EXCAVATED AREA.
4. REMOVAL OF WATER FROM THE CONSTRUCTION SITE SHALL BE ACCOMPLISHED SO THAT EROSION AND THE TRANSPORTING OF SEDIMENT AND OTHER POLLUTANTS ARE MINIMIZED.
5. DISCHARGE DEWATERING EFFLUENT TO AREAS AS INDICATED ON THE SITE GRADING PLAN. DISCHARGE SHALL BE IN SHEET FLOW.
6. DEWATERING IN PERIODS OF INTENSE, HEAVY RAIN, WHEN THE INFILTRATIVE CAPACITY OF THE SOIL IS EXCEEDED, SHALL BE AVOIDED.
7. FLOW TO THE SEDIMENT REMOVAL STRUCTURE MAY NOT EXCEED THE STRUCTURE'S CAPACITY TO SETTLE AND FILTER FLOW OR THE STRUCTURE'S VOLUME CAPACITY.
8. WHEN TEMPORARY WORKS ARE NO LONGER NEEDED, THE CONTRACTOR SHALL REMOVE AND RETURN THE AREA TO A CONDITION SIMILAR TO THAT WHICH EXISTED BEFORE CONSTRUCTION. AREAS WHERE TEMPORARY WORKS WERE LOCATED SHALL BE GRADED FOR SIGHTLY APPEARANCE WITH NO OBSTRUCTION TO NATURAL SURFACE WATER FLOWS OR THE PROPER FUNCTIONING AND ACCESS TO THE WORKS OF IMPROVEMENT INSTALLED. THE CONTRACTOR SHALL EXERCISE EXTREME CARE DURING THE REMOVAL STAGES TO MINIMIZE THE LOSS OF SOIL SEDIMENT AND DEBRIS THAT WAS TRAPPED DURING CONSTRUCTION.

HOUSEKEEPING PLAN:

(MAINE DEP CHAPTER 500, APPENDIX C)

1. SPILL PREVENTION. CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM CONSTRUCTION AND WASTE MATERIALS STORED ON SITE TO ENTER STORMWATER, WHICH INCLUDES STORAGE PRACTICES TO MINIMIZE EXPOSURE OF THE MATERIALS TO STORMWATER. THE SITE CONTRACTOR OR OPERATOR MUST DEVELOP, AND IMPLEMENT AS NECESSARY, APPROPRIATE SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLANNING MEASURES. ANY SPILL OR RELEASE OF TOXIC OR HAZARDOUS SUBSTANCES MUST BE REPORTED TO THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION (MDEP). FOR OIL SPILLS, CALL 1-800-482-0777 WHICH IS AVAILABLE 24 HOURS A DAY. FOR SPILLS OF TOXIC OR HAZARDOUS MATERIAL, CALL 1-800-452-4664 WHICH IS AVAILABLE 24 HOURS A DAY. FOR MORE INFORMATION, VISIT THE MDEP'S WEBSITE AT: http://www.maine.gov/dep/spills/emergspillresp/
2. GROUNDWATER PROTECTION. DURING CONSTRUCTION, LIQUID PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUNDWATER MAY NOT BE STORED OR HANDLED IN AREAS OF THE SITE DRAINING TO AN INFILTRATION AREA. AN "INFILTRATION AREA" IS ANY AREA OF THE SITE THAT BY DESIGN OR AS A RESULT OF SOILS, TOPOGRAPHY AND OTHER RELEVANT FACTORS ACCUMULATES RUNOFF THAT INFILTRATES INTO THE SOIL. DIKES, BERMS, SUMPS, AND OTHER FORMS OF SECONDARY CONTAINMENT THAT PREVENT DISCHARGE TO GROUNDWATER MAY BE USED TO ISOLATE PORTIONS OF THE SITE FOR THE PURPOSES OF STORAGE AND HANDLING OF THESE MATERIALS. ANY PROJECT PROPOSING INFILTRATION OF STORMWATER MUST PROVIDE ADEQUATE PRE-TREATMENT OF STORMWATER PRIOR TO DISCHARGE OF STORMWATER TO THE INFILTRATION AREA, OR PROVIDE FOR TREATMENT WITHIN THE INFILTRATION AREA, IN ORDER TO PREVENT THE ACCUMULATION OF FINES, REDUCTION IN INFILTRATION RATE, AND CONSEQUENT FLOODING AND DESTABILIZATION.

   LACK OF APPROPRIATE POLLUTANT REMOVAL BEST MANAGEMENT PRACTICES (BMPS) MAY RESULT IN VIOLATIONS OF THE GROUNDWATER QUALITY STANDARD ESTABLISHED BY 38 M.R.S.A. SECTION 465-C(1).
3. FUGITIVE SEDIMENT AND DUST. ACTIONS MUST BE TAKEN TO ENSURE THAT ACTIVITIES DO NOT RESULT IN NOTICEABLE EROSION OF SOILS OR FUGITIVE DUST EMISSIONS DURING OR AFTER CONSTRUCTION. OIL MAY NOT BE USED FOR DUST CONTROL, BUT OTHER WATER ADDITIVES MAY BE CONSIDERED AS NEEDED. A STABILIZED CONSTRUCTION ENTRANCE (SCE) SHOULD BE INCLUDED TO MINIMIZE TRACKING OF MUD AND SEDIMENT. IF OFF-SITE TRACKING OCCURS, PUBLIC ROADS SHOULD BE SWEPT IMMEDIATELY AND NO LESS THAN ONCE A WEEK AND PRIOR TO SIGNIFICANT STORM EVENTS. OPERATIONS DURING DRY MONTHS, THAT EXPERIENCE FUGITIVE DUST PROBLEMS, SHOULD WET DOWN UNPAVED ACCESS ROADS ONCE A WEEK OR MORE FREQUENTLY AS NEEDED WITH A WATER ADDITIVE TO SUPPRESS FUGITIVE SEDIMENT AND DUST.

   DEWATERING A STREAM WITHOUT A PERMIT FROM THE MDEP MAY VIOLATE STATE WATER QUALITY STANDARDS AND THE NATURAL RESOURCES PROTECTION ACT.

HOUSEKEEPING PLAN (CONT):

4. DEBRIS AND OTHER MATERIALS. MINIMIZE THE EXPOSURE OF CONSTRUCTION DEBRIS, BUILDING AND LANDSCAPING MATERIALS, TRASH, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS TO PRECIPITATION AND STORMWATER RUNOFF. THESE MATERIALS MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.

   TO PREVENT THESE MATERIALS FROM BECOMING A SOURCE OF POLLUTANTS, CONSTRUCTION AND POST-CONSTRUCTION ACTIVITIES RELATED TO A PROJECT MAY BE REQUIRED TO COMPLY WITH APPLICABLE PROVISION OF RULES RELATED TO SOLID, UNIVERSAL, AND HAZARDOUS WASTE, INCLUDING, BUT NOT LIMITED TO, THE MAINE SOLID WASTE AND HAZARDOUS WASTE MANAGEMENT RULES; MAINE HAZARDOUS WASTE MANAGEMENT RULES; MAINE OIL CONVEYANCE AND STORAGE RULES; AND MAINE PESTICIDE REQUIREMENTS.
5. EXCAVATION DE-WATERING. EXCAVATION DE-WATERING IS THE REMOVAL OF WATER FROM TRENCHES, FOUNDATIONS, COFFER DAMS, PONDS, AND OTHER AREAS WITHIN THE CONSTRUCTION AREA THAT RETAIN WATER AFTER EXCAVATION. IN MOST CASES THE COLLECTED WATER IS HEAVILY SILTED AND HINDERS CORRECT AND SAFE CONSTRUCTION PRACTICES. THE COLLECTED WATER REMOVED FROM THE PONDED AREA, EITHER THROUGH GRAVITY OR PUMPING, MUST BE SPREAD THROUGH NATURAL WOODED BUFFERS OR REMOVED TO AREAS THAT ARE SPECIFICALLY DESIGNED TO COLLECT THE MAXIMUM AMOUNT OF SEDIMENT POSSIBLE, LIKE A COFFERDAM SEDIMENTATION BASIN. AVOID ALLOWING THE WATER TO FLOW OVER DISTURBED AREAS OF THE SITE. EQUIVALENT MEASURES MAY BE TAKEN IF APPROVED BY THE MDEP.
6. AUTHORIZED NON-STORMWATER DISCHARGES. IDENTIFY AND PREVENT CONTAMINATION BY NON-STORMWATER DISCHARGES. WHERE ALLOWED NON-STORMWATER DISCHARGES EXIST, THEY MUST BE IDENTIFIED AND STEPS SHOULD BE TAKEN TO ENSURE THE IMPLEMENTATION OF APPROPRIATE POLLUTION PREVENTION MEASURES FOR THE NON-STORMWATER COMPONENT(S) OF THE DISCHARGE. AUTHORIZED NON-STORMWATER DISCHARGES ARE:

   (A)DISCHARGES FROM FIREFIGHTING ACTIVITY;
   (B)FIRE HYDRANT FLUSHINGS;
   (C)VEHICLE WASHWATER IF DETERGENTS ARE NOTUSED AND WASHING IS LIMITED TO THE EXTERIOR OF VEHICLES (ENGINE, UNDERCARRIAGE AND TRANSMISSION WASHING IS PROHIBITED);
   (D)DUST CONTROL RUNOFF IN ACCORDANCE WITH PERMIT CONDITIONS AND PARAGRAPH 3 ABOVE;
   (E)ROUTINE EXTERNAL BUILDING WASHDOWN, NOT INCLUDING SURFACE PAINT REMOVAL, THAT DOES NOT INVOLVE DETERGENTS;
   (F)PAVEMENT WASHWATER (WHERE SPILLS/LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED, UNLESS ALL SPILLED MATERIAL HAD BEEN REMOVED) IF DETERGENTS ARE NOT USED;
   (G)UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE;
   (H)UNCONTAMINATED GROUNDWATER OR SPRING WATER;
   (I)FOUNDATION OR FOOTER DRAIN-WATER WHERE FLOWS ARE NOT CONTAMINATED;
   (J)UNCONTAMINATED EXCAVATION DEWATERING (SEE REQUIREMENTS IN PARAGRAPH 5 ABOVE);
   (K)POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHINGS; AND LANDSCAPE IRRIGATION.
7. UNAUTHORIZED NON-STORMWATER DISCHARGES. THE MDEP'S APPROVAL UNDER THIS CHAPTER DOES NOT AUTHORIZE A DISCHARGE THAT IS MIXED WITH A SOURCE OF NONSTORMWATER, OTHER THAN THOSE DISCHARGES IN COMPLIANCE WITH PARAGRAPH 6 ABOVE. SPECIFICALLY, THE MDEP'S APPROVAL DOES NOT AUTHORIZE DISCHARGES OF THE FOLLOWING:

   (A)WASTEWATER FROM THE WASHOUT OR CLEANOUT OF CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS OR OTHER CONSTRUCTION MATERIALS;
   (B)FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE;
   (C)SOAPS, SOLVENTS, OR DETERGENTS USED IN VEHICLE AND EQUIPMENT WASHING; AND
   (D)TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE.

ISSUED FOR REVIEW
NOT FOR CONSTRUCTION
05/29/18

REV.	DESCRIPTION	DATE	BY	CK	APP
B	MEDEP PERMIT SET COMMENT REVISIONS	05/29/18	EVD	KRV	

OWNER ENGINEER:
APPROVAL STAMP:
DRAWING PREPARED BY:
ACCEPTED BY OE:
PE Stamp: STATE OF MAINE, KENNETH B. MOLLOCK, No. 11052, LICENSED PROFESSIONAL ENGINEER, 05-29-18, Rev. B

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SITE DETAILS

SH 5 OF 6

MERRILL ROAD/1076 — LEWISTON, ME

DR.	EVD	SCALE: NONE	FILE: 1076-003-005SH006.DWG
CK.	KRV	NO.	REV.
APP.		1076-003-005	B
DATE:			

ANSI D CADD Drawing. DO NOT REVISE MANUALLY.

CONSTRUCTION SEQUENCE:

THE SITE CONTRACTOR SHALL DEVELOP A SITE-SPECIFIC CONSTRUCTION SEQUENCE PLAN, TO BE SUBMITTED TO THE MAINE DEPARTMENT OF ENVIROMENTAL PROTECTION PRIOR TO CONSTRUCTION. AT A MINIMUM, THE PLAN MUST INCLUDE THE FOLLOWING ELEMENTS.

1. ESTABLISH CONSTRUCTION WORKSPACE LIMITS; IDENTIFY AND MARK SENSITIVE RESOURCES.
2. PERFORM ALL WORK IN ACCORDANCE WITH MAINE EROSION AND SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS (2015).
3. PRIOR TO USAGE, CONSTRUCT AND STABILIZE THE CONSTRUCTION ENTRANCE ON THE EXISTING PERMANENT ACCESS ROAD WITH A STONE PAD, MUD RACK, OR OTHER MATERIALS USED TO REDUCE THE TRACKING OR FLOWING OF SEDIMENT OFF THE SITE AND MAINTAIN UNTIL PAVING IS COMPLETED.
4. CLEAR TIMBER AND BRUSH; DO NOT GRUB UNTIL JUST PRIOR TO PRELIMINARY GRADING AND ESTABLISHMENT AND STABILIZATION OF TEMPORARY OR PERMANENT DRAINAGE COURSES.
5. INSTALL AND MAINTAIN SEDIMENT BARRIERS SUCH AS SILT FENCING AND/OR OTHER EROSION CONTROL BARRIERS ALONG THE DOWNHILL LIMIT OF WORK, AS SHOWN ON THE DRAWINGS. SEDIMENT BARRIER LOCATIONS MAY BE ADJUSTED IN THE FIELD BASED ON SITE CONDITIONS AS DETERMINED BY THE ENGINEERING INSPECTOR. WHERE SILT FENCE CANNOT BE TOED-IN PROPERLY DUE TO TREE ROOTS, ROCKS OR FROZEN GROUND, HAY BALES OR AN EROSION CONTROL MIX BERM MAY BE SUBSTITUTED. SILT FENCING WILL BE INSTALLED AFTER CLEARING BUT PRIOR TO GRUBBING AND GRADING ACTIVITIES. ANY EROSION ISSUES DEVELOPED DURING CLEARING WILL BE TEMPORARILY STABILIZED AS NECESSARY.
6. INSTALL THE SEDIMENT BASIN CONTROL STRUCTURE AND OUTLET PIPING AND GRADE THE SEDIMENT BASIN AND SURROUNDING AREA TO PROPOSED PLAN GRADES UP TO ELEVATION 312' SUCH THAT RUNOFF FROM UPSTREAM DISTURBANCES MAY FLOW INTO THE BASIN.
7. STABILIZE PERMANENT ACCESS ROAD SURFACE, PARKING AREAS AND EQUIPMENT STORAGE AND LAYDOWN AREAS WITH MATTING, CRUSHED STONE OR GRAVEL SUBBASE AS NECESSARY TO MINIMIZE RUTTING AND AVOID PONDING.
8. CONCURRENT WITH INITIATION OF SITE GRADING, CONSTRUCT AND STABILIZE TEMPORARY DRAINAGE SWALES, DIVERSION BERMS, CHECK DAMS, AND CULVERTS WITH TEMPORARY INLET AND OUTLET STRUCTURES TO MINIMIZE SEDIMENT IN SITE RUNOFF DURING THE CONSTRUCTION OF THE ROADWAY. DEWATER IN ACCORDANCE WITH DEWATERING NOTES ON DRAWING 1076-003-005 SHEET 5 OF 6.
9. INSTALL PROPERLY SPACED STONE CHECK DAMS IN ANY SECTION OF DITCH WITHIN 24 HOURS OF FORMING, SHAPING OR ROUGH GRADING THAT SECTION OF DITCH.
10. MINIMIZE THE AMOUNT OF DISTURBANCE AT ANY ONE TIME BY STAGING CONSTRUCTION AS MUCH AS PRACTICAL FOR EFFICIENT CONSTRUCTION OF THE FACILITY. NATURAL VEGETATIVE BUFFERS OR STRIPS SHOULD BE LEFT IN PLACE WHERE FEASIBLE TO AID IN SEDIMENT RETENTION AND REDUCE EROSION POTENTIAL.
11. STABILIZE ANY NEWLY GRADED SLOPE GREATER THAN EIGHT PERCENT AND ANY SECTION OF NEWLY CONSTRUCTED DITCH USING ANCHORED EROSION CONTROL BLANKETS OR OTHER APPROVED MULCHING TECHNIQUES WITHIN 24 HOURS. STABILIZE ANY SLOPE EXCEEDING EIGHT PERCENT AND BROUGHT TO FINAL GRADE WITHIN 24 HOURS USING ANCHORED EROSION CONTROL BLANKETS OR EROSION CONTROL MIX APPLIED IN ACCORDANCE WITH MAINE EROSION AND SEDIMENT PRACTICES FIELD GUIDE FOR CONTRACTORS (2015). STABILIZE ANY SECTION OF DITCH BROUGHT TO FINAL GRADE WITHIN 24 HOURS USING THE APPROVED PERMANENT STABILIZATION MEASURES FOR DITCHES.
12. DUST CONTROL METHODS WILL BE EMPLOYED AFTER GRADING AND PRIOR TO FINAL STABILIZATION TO PREVENT THE BLOWING AND MOVEMENT OF DUST THROUGH THE APPLICATION OF WATER AND/OR CALCIUM CHLORIDE TO REDUCE WIND EROSION. REPETITIVE TREATMENT WILL BE APPLIED AS NEEDED TO ACCOMPLISH CONTROL.
13. APPLY TEMPORARY SEED AND MULCH TO ANY EXPOSED AREAS WHERE ACTIVITY IS NOT ANTICIPATED FOR 30 DAYS OR MORE, OR WHERE ACTIVITY HAS NOT OCCURRED WITHIN 30 DAYS. TEMPORARILY MULCH ANY EXPOSED AREAS WHERE ACTIVITY IS NOT ANTICIPATED OR HAS NOT OCCURRED IN 7 DAYS.
14. REMOVE EXCESS SPOILS FROM SITE THAT WILL NOT BE USED FOR THE FINAL DESIGN AND STABILIZATION. STOCKPILED SOILS THAT REMAIN IN PLACE FOR 48 HOURS OR MORE WILL BE CONTAINED WITH SEDIMENT BARRIERS SUCH AS SILT FENCE, HAY BALES OR EQUIVALENT. THE SEDIMENT BARRIERS SHALL BE ADEQUATELY LOCATED AND REINFORCED TO HANDLE A SIGNIFICANT RAIN EVENT AND THE POTENTIAL SLUMPING OF THE PILE. BETWEEN MAY 1 AND OCTOBER 15, APPLY TEMPORARY SEED AND MULCH TO A STOCKPILE THAT IS NOT EXPECTED TO BE DISTURBED WITHIN 30 DAYS. APPLY ANCHORED MULCH DAILY, AS NEEDED, DURING WINTER CONSTRUCTION.
15. INSPECT AND REPAIR EROSION CONTROL MEASURES DAILY IN AREAS OF ACTIVE CONSTRUCTION; OTHERWISE WEEKLY AND AFTER RAINFALL OF ½" OR GREATER WITHIN A 24-HOUR PERIOD. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE BARRIER.
16. MONITOR PUBLIC ROADS FOR SIGNS OF TRACKING OR SPILLING OF SPOIL MATERIAL AND CLEAN UP AS NEEDED.
17. COMPLETE FINAL GRADING AND STABILIZATION OF EARTHEN STRUCTURES SUCH AS DIVERSION BERMS, DITCH TURNOUTS AND SWALES THAT WILL CONTROL RUNOFF. LOWER THE TEMPORARY SEDIMENT BASIN INLET GRATE TOP TO THE FINAL PROPOSED PLAN ELEVATION.
18. FINISH GRADE AND REPLACE TOPSOIL OR LOAM IN DISTURBED AREAS. SEED AND MULCH DISTURBED AREAS WITHIN 6 DAYS OF FINAL GRADING.
19. MAINTAIN ALL TEMPORARY EROSION CONTROLS AND SEDIMENT BARRIERS UNTIL VEGETATION HAS BEEN ESTABLISHED OVER 85-90% OF THE AREA TO BE RE-VEGETATED. RESEED SPARSELY VEGETATED AREAS.
20. REMOVE ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES ONCE THE SITE IS PERMANENTLY STABILIZED.

MULCH AND SEEDING SPECIFICATIONS

SUMMARY OF TEMPORARY AND PERMANENT MULCH APPLICATION REQUIREMENTS

CONDITION	TIMING	MULCH TYPE[1,2]	APPLICATION RATES
TEMPORARY			
	IF NO ACTIVITY IN EXPOSED AREAS FOR 7 DAYS, OR PRIOR TO A STORM EVENT	STRAW MULCH OR WOOD FIBER MULCH	2 TONS/ACRES 2000 LB./ACRES
ALL DISTRIBUTED AREAS OF THE CONSTRUCTION WORKSPACE	APPLY MULCH TO ALL EXPOSED AREAS IF NO ACTIVITY OCCURS WITHIN 30 DAYS. APPLY MULCH AND TEMPORARY SEEDING SOONER WHEN IT CAN BE ANTICIPATED THAT ACTIVITY IS NOT GOING TO OCCUR WITHIN 30 DAYS.	STRAW MULCH OR WOOD FIBER MULCH	2 TONS/ACRES 2000 LB./ACRES[3]
ALL WORK AREAS EXPOSED ARE TO BE MULCHED DAILY EACH TIME SOIL IS DISTURBED	OCTOBER 15 - MAY 1	STRAW MULCH OR WOOD FIBER MULCH	3 TONS/ACRES 2000 LB./ACRES
PERMANENT			
ON ALL EXPOSED AREAS AFTER SEEDING TO STABILIZE THE SOIL SURFACE	PERMANENT GRASS AND/OR LEGUME SEEDING COVERED BY HAY OR STRAW MULCH ON ALL AREAS THAT HAVE BEEN RESTORED TO FINAL GRADE. THIS DOES NOT APPLY TO AREAS STABILIZED BY OTHER MEANS SUCH AS JUTE MATTING OR PERMANENT EROSION CONTROL MIX.	CRIMPED STRAW MULCH OR PAPER MULCH OR WOOD FIBER MULCH	2 TONS/ACRES 1500 LB./ACRES[4] 2000 LB./ACRES
WOOD CHIP APPLICATION AREAS	PERMANENT GRASS AND/OR LEGUME SEEDING COVERED BY HAY OR STRAW MULCH ON ALL AREAS THAT HAVE BEEN RESTORED TO FINAL GRADE. THIS DOES NOT APPLY TO AREAS STABILIZED BY OTHER MEANS SUCH AS JUTE MATTING OR PERMANENT EROSION CONTROL MIX.	CRIMPED STRAW MULCH OR PAPER MULCH OR WOOD FIBER MULCH	2 TONS/ACRES 1500 LB./ACRES[4] 2000 LB./ACRES

NOTES:
1. STRAW AND HAY MULCH MAY BE USED INTERCHANGEABLY, EXCEPT IN WETLAND AREAS WHERE STRAW MULCH WILL BE REQUIRED.
2. DOUBLE RATE OF WOOD FIBER MULCH WHEN USED IN CRITICAL AREAS.
3. STRAW, HAY, OR HYDROMULCH (WOOD FIBER OR PAPER MULCH AS APPROPRIATE) WILL PROVIDE 90 PERCENT GROUND COVERAGE
4. PAPER MULCH IS ACCEPTABLE FOR USE DURING THE GROWING SEASON. ON SLOPES GREATER THAN 30 PERCENT AND IN AREAS WHERE VEGETATION HAS NOT ESTABLISHED WELL, ADDITIONAL HAY MULCH WILL BE ADDED AS A WINTERIZING MEASURE.

MULCH ANCHORING REQUIREMENTS

ON SLOPES GREATER THAN 3 PER CENT, HAY OR STRAW MULCH WILL BE FIRMLY ANCHORED INTO THE SOIL UTILIZING ONE OF THE FOLLOWING METHODS:
- CRIMPING WITH A STRAIGHT OR NOTCHED MULCH CRIMPING TOOL (FARM DISCS WILL NOT BE ALLOWED);
- TRACK WALKING WITH DEEP-CLEATED EQUIPMENT OPERATING UP AND DOWN THE SLOPE (MULCH CRIMPED PERPENDICULAR TO THE SLOPE) ON SLOPES LESS THAN 25 PERCENT;
- APPLICATION OF MULCH NETTING;
- APPLICATION OF 500 LB./ACRE OF WOOD FIBER MULCH OVER STRAW/HAY MULCH; AND
- COMMERCIALLY AVAILABLE TACKIFIERS (EXCEPT WITHIN 100 FEET OF WATERBODIES OR WETLANDS).

SUMMARY OF SEEDING REQUIREMENTS

CONDITION	TIMING[1,2]	SEED MIX
TEMPORARY SEEDING[3]	TEMPORARY SEED BETWEEN MAY 1 AND OCTOBER 15 ONLY. DISTURBED AREAS OR SPOIL STOCKPILES WILL BE SEEDED IMMEDIATELY IF FURTHER DISTURBANCE IS NOT EXPECTED FOR 30 DAYS OR MORE.	ANNUAL RYEGRASS
PERMANENT SEEDING[3,4]		
UPLAND PORTIONS OF THE CONSTRUCTION AREA	DISTURBED AREA WILL BE SEEDED WITHIN 6 DAYS OF FINAL GRADING.	PERMANENT UPLAND MIX
SLOPES GREATER THAN 3:1	DISTURBED AREA WILL BE SEEDED IMMEDIATELY AFTER SEEDBED PREPARATION.	PERMANENT UPLAND MIX
WETLANDS	DISTURBED WETLANDS WILL BE SEEDED WITHIN 6 DAYS OF FINAL GRADING.	ANNUAL RYEGRASS
WOOD CHIP APPLICATION AREAS	DISTURBED AREA WILL BE SEEDED WITHIN 6 DAYS OF FINAL GRADING.	WOODCHIP APPLICATION SEED MIX
WINTER DORMANT SEEDING	DORMANT SEED BETWEEN OCTOBER 15 AND MAY 1 ONLY. NO SEEDING WILL OCCUR IF SNOW DEPTHS EXCEED 1 INCH.	PERMANENT UPLAND MIX PLUS WINTER RYEGRASS

NOTES:
1. WEATHER CONDITIONS PERMITTING.
2. AREAS THAT DO NOT SUCCESSFULLY REVEGETATE WITHIN APPROPRIATE PERIOD OF TIME WILL BE RESEEDED AS NECESSARY.
3. LOOSEN COMPACTED SOIL TO A MINIMUM DEPTH OF 4 INCHES.
4. TOP DRESS WITH 6 INCHES LOAM, AS NEEDED.

SEED MIX SPECIFICATIONS

SEED MIX NAME	SEED MIX COMPONENTS	LB./ACRE[1]
TEMPORARY SEED MIX	ANNUAL RYEGRASS	40
PERMANENT UPLAND SEED MIX	REDTOP CREEPING RED FESCUE TALL FESCUE BIRDSFOOT TREFOIL	4 40 40 16
WOOD CHIP APPLICATION SEED MIX	CREEPING RED FESCUE REDTOP TALL FESCUE CROWNVETCH	20 4 30 30
WETLAND SEED MIX	ANNUAL RYEGRASS	40
SUPPLEMENTAL WINTER SEED MIX[2]	WINTER RYEGRASS	120

NOTES:
1. INCREASE SEEDING RATES 10% WHEN HYDROSEEDING
2. WINTER RYE WILL BE ADDED TO PERMANENT UPLAND MIX AT A RATE OF 120 LB./ACRE BETWEEN OCTOBER 15 AND MAY 1

FERTILIZER AND LIMESTONE REQUIREMENTS:

THE FERTILIZER AND LIME APPLICATION RATES SHALL BE DETERMINED USING THE SITE-SPECIFIC SOIL TEST RESULTS.

ISSUED FOR REVIEW
NOT FOR CONSTRUCTION
08/09/18

REV.	DESCRIPTION	DATE	BY	CK	APP
B	MDEP PERMIT SET COMMENT REVISIONS	05/29/18	EVD	KRV	
B	MDEP PERMIT SET COMMENT REVISIONS	08/09/18	RST	KRV	

OWNER ENGINEER:
APPROVAL STAMP:
DRAWING PREPARED BY:
ACCEPTED BY OE:
PE Stamp: STATE OF MAINE, KENNETH P. VOLOCK, No. 14062, LICENSED PROFESSIONAL ENGINEER, 08-09-18 Rev. C

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REV.	DATE	BY	DESCRIPTION	APP.

SITE DETAILS

SH 6 OF 6

MERRILL ROAD/1076 LEWISTON, ME

DR. EVD | SCALE: NONE | FILE: 1076-003-005SH006.DWG
CK. KRV | NO. | REV.
APP.
DATE:
1076-003-005 | C

ANSI D CADD Drawing, DO NOT REVISE MANUALLY.

Attachment I
Revised Fickett Road Substation Stormwater Management Drawings

STORMWATER MANAGEMENT SYSTEM

Prepared for the

CENTRAL MAINE POWER COMPANY
FICKETT ROAD SUBSTATION

Location

Fickett Road
Pownal, ME

Owner

Central Maine Power Company
83 Edison Drive
Augusta, Maine 04336

STATE OF MAINE
KENNETH R. VOLOCK
No. 11062
LICENSED
PROFESSIONAL ENGINEER
05-29-18
REV. B

Prepared by

11733 Chesterdale Road
Cincinnati, OH 45246
(513) 326-1500
September 2017
REVISED MAY 2018

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INTRODUCTION

Central Maine Power Company (CMP) is proposing to construct a new electrical substation as part of the New England Clean Energy Connect (NECEC) Project. The new station will be built on Fickett Road in the town of Pownal in Cumberland County, Maine and will be named the Fickett Road Substation.

Runoff from the proposed electrical substation flows south to Runaround Brook, and then heads north into Runaround Pond. Runaround Pond is listed as a Lake Most at Risk from New Development in Maine Department of Environmental Protection (MeDEP) Chapter 502. The pond then discharges to Runaround Brook, then Chandler Brook, heading downstream to Royal River, then southeast where it discharges into the Atlantic Ocean.

Fickett Road Substation

The existing conditions and proposed grading plans for the proposed Fickett Road Substation are included with this submission as sheets 1077-003-001 SH 001 General Site Plan Existing Conditions and 1077-003-001 SH 002 General Site Plan Proposed Conditions, respectively. The layout of proposed equipment within the yard is shown on SK-FICK-GL Conceptual General Location Plan.

The proposed substation will sit on a 19.61 acre parcel of land that is a mix of flat terrain, steep hills, forest, shrubs and low lying wetlands and includes an existing electric transmission line corridor. The proposed station footprint will be approximately 3.75 acres and will consist of roof top and concrete foundation impervious and evenly graded 3/4” to 1.5” stone for the remainder of the station pad. The access roads leading to the station from the north and east will consist of gravel. The project will consist of a total developed area of 4.87 acres, of which, 3.90 acres will be impervious. The site will be sloped to drain to the south, honoring the existing drainage patterns to the extent practicable. Site stormwater runoff will be treated with a grassed underdrain soil filter, while the stoned yard areas are considered to be treated in place.

Permitting Requirements

The Fickett Road Substation is part of the larger NECEC Project currently being undertaken by CMP. The project is submitted as a whole to the MeDEP for permitting purposes.

The project will require a Stormwater Management Permit and a Site Location of Development Permit because more than 3 acres will be stripped or graded and not revegetated within one year, and because the project will occupy more than 20 acres of land. The project will be required to meet the Basic, General, and Flooding Standards as described in MeDEP Chapter 500. As a result of the Fickett Road Substation discharging to Runaround Brook the project is also required to meet the Chapter 500 Phosphorous Standard. The standards will be met using several erosion and sedimentation control and permanent stormwater management Best Management Practices (BMPs).

BASIC STANDARD

The proposed project will disturb more than one acre of land, requiring compliance with the Basic Standard as described in MeDEP Chapter 500 Section 4B. In order to meet the Basic Standard, the proposed project will be required to address the following:

- Erosion and Sedimentation Control
- Inspection and Maintenance
- Housekeeping

Erosion and Sedimentation Control

Exhibit 14-1 of the Site Law Application contains the manual "Central Maine Power Company - Environmental Guidelines for Construction and Maintenance Activities on Transmission Line and Substation Projects". This manual addresses general erosion and sedimentation control measures used in many previous transmission and substation projects and has been reviewed and approved by MeDEP. The manual was developed to be consistent with the Maine Erosion and Sediment Control Practices Field Guide for Contractors, 2015, and MeDEP's Chapter 500.

Specific erosion and sedimentation control BMPs for the Fickett Road Substation project are indicated on sheet 1077-003-004 SH 001 Erosion and Sediment Control Plan. Details of the measures proposed are shown on sheet 1077-003-005 SH 003 Site Details 3 and sheet 1077-003-005 SH 004 Site Details 4. Sheet 1077-003-005 SH 005 Site Details 5 presents a plan for implementing these measures at the site.

Inspection and Maintenance

CMP will ensure that a qualified design engineer inspects the construction site periodically to verify that the stormwater BMPs are constructed in accordance with the plans and specifications shown on the design drawings, and, as needed, during any period when construction activity affecting the stormwater management system occurs, until the site is permanently stabilized. Inspection and Maintenance procedures for the proposed substation are described below. BMP Inspection & Maintenance Checklists and BMP Inspection & Maintenance Logs for each site have been enclosed in Appendix A. The BMP Inspection & Maintenance Checklists outline the inspection frequency/requirements and maintenance/cleanout thresholds for each BMP measure. The enclosed BMP Inspection & Maintenance Logs include specific inspection guidelines for each BMP measure and are the documentation portion of this Plan.

Scheduled Inspections

Prior to completion of construction, CMP shall designate a CMP Supervisor and personnel or a contractor as the Site Inspector for each substation. Inspection requirements for each individual BMP measure are specified on the Inspection & Maintenance Checklists in Appendix A.

- QUARTERLY: Inspections of stormwater conveyance, control and treatment measures at each Site are to be performed on a quarterly basis throughout the year. Inspections during winter months may encounter snow and ice cover, frozen ground, snow embankments, dormant vegetation, etc. In these cases, the inspector must use his/her best judgment

interpreting these inspection and maintenance requirements, in order to meet both the stated objectives and the intent of the Plan. The inspection should prevent problems and plan for maintenance in advance of the spring thaw (removing snow piles if they obstruct drainage paths, repairing any damage from snow plows, frost heaves, etc.).

- FOLLOW-UP: Additional follow-up inspections will be performed, as needed, depending on the results of routine inspections and site conditions, under the direction of the CMP Supervisor.

As-Needed Maintenance

Maintenance is to be performed on an as-needed basis, in accordance with recommendations made by the Site Inspector. Routine maintenance will include the immediate repair of eroded channels or gullies; reseeding or sodding of bare ground; removal of trash, leaves and sediment; and control of vegetation. Maintenance issues associated with specific areas and stormwater facilities at each Site are identified on the Inspection & Maintenance Checklists in Appendix A. Disposal of all sediment, debris, and waste shall be in accordance with Maine Solid Waste Management Rules, Chapter 400.

5-Year Re-Certification

CMP will certify the following to the MeDEP within three months of the expiration of each five-year interval from the date of issuance of the permit:

- All areas of the project site have been inspected for areas of erosion, and appropriate steps have been taken to permanently stabilize these areas.

- All aspects of the stormwater control system have been inspected for damage, wear, and malfunction, and appropriate steps have been taken to repair or replace the facilities.

- The erosion and stormwater maintenance plan for the site is being implemented as written, or modifications of the plan have been submitted to and approved by the department, and the maintenance log is being maintained.

Housekeeping

Housekeeping entails the control or elimination of pollution not specifically related to soil erosion such as spill prevention, dust control, litter removal and dewatering. Housekeeping is addressed within the narrative and on sheet 1077-003-005 SH 004 Site Details 4 for the Fickett Road Substation.

PHOSPHORUS STANDARD

The Fickett Road substation discharges to Runaround Pond and will add more than 20,000 square feet of impervious surface within the watershed of a Lake Most at Risk. For this reason the project is required to meet the MeDEP Chapter 500 Phosphorus Standard. In order to meet the Phosphorus Standard, the project needs to reduce the amount of phosphorus released from the site to calculated allowable levels for the parcel. Phosphorus Worksheet 1 was used to calculate the allowable phosphorus load from the parcel, also known as the phosphorous Budget. Following establishment of

the phosphorous Budget, pre-treatment phosphorous loading from the site and loading from the site following implementation of on site BMPs is calculated using Worksheet 2. For the proposed condition, phosphorous Worksheet 2 was used to calculate post-developed phosphorous export loads from the site. Worksheets 1 and 2 can be found in Appendix C.

Stormwater Treatment BMPs

Crushed Stone Substation Surface

MeDEP has provided yard construction requirements that allow for reduced *Export Coefficients* and *Treatment Factors* to be applied to the substation's stone surface for treatment related to meeting the Phosphorous Standard. In email correspondence following MeDEP's 2008 letter MeDEP has indicated that phosphorous loading and phosphorous removal associated with the station pad may be calculating using an *Export Coefficient* of 0.30 and a *Treatment Factor* of 0.10 for the ***Crushed Stone Substation Surface***. The email correspondence can be found in Appendix B.

Grassed Underdrain Soil Filter

Runoff from the vegetated developed area along the west side of the station pad will be treated in a Grassed Underdrain Soil Filter. Pretreatment will be accomplished by flowing runoff through a vegetated swale and into a pre-treatment forebay before entering the filter area. Additionally, areas of the station pad and the rooftop surfaces within the pad will be treated within the Soil Filter following treatment within the crushed stone.

The Grassed Underdrain Soil Filter is comprised of an 18"-thick layer of a silty sand and organic material mix. The underdrain system consists of 6" perforated pipe within a 12"-thick layer of underdrain material. The filter is proposed partially within an existing wetland and within areas believed to have elevated groundwater conditions. An impermeable liner has been incorporated into the filter to allow for proper dewatering and prevent oversaturation of the filter media by groundwater prior to rain events. A detail of the underdrained soil filter is shown on sheet 1077-003-003 SH 001 Stormwater Treatment Plan. Underdrained soil filter sizing calculations are provided in Appendix C.

Stormwater Treatment Calculations

In addition to using the station stone as a BMP, a downstream Soil Filter is proposed to further reduce post developed phosphorous exports from the site by providing primary treatment for developed areas surrounding the pad and by further treating runoff from the stone pad as part of a two-tier treatment train utilizing the ***Crushed Stone Substation Surface*** treatment with a downstream soil filter. For parts of the site (pad, rooftops) utilizing the two-tier treatment train, a calculated Treatment Factor of 0.1 was used.

Export Coefficients for the proposed surfaces were used to calculate pre-treatment loading and *Treatment Factors* for the proposed BMPs were used to calculate load reductions and subsequent post-developed phosphorous export loads. As shown in Worksheet 1, the Budget for the parcel was calculated to be 0.51 pounds per year and as seen in Worksheet 2, a post developed, post treatment phosphorous export load of 0.45 is achieved.

Typical sizing of Soil Filters for adherence to the Phosphorous Standard requires that the filter have capacity to contain the standard water quality volume (BMP_{ST}) which is the volume required for adherence to the General Standard, plus additional volume calculated using a prescribed Treatment Factor. The BMP_{ST} volume plus the additional phosphorous treatment volume requirement constitute the total volume capacity required for BMPs used to meet the Phosphorous Standard and is known as BMP_{TF}. The Fickett Road substation yard is self-treating and does not require additional BMPs for adherence to the General Standard, therefore the soil filter was sized to have capacity for the difference between the BMP_{ST} and BMP_{TF} for areas of the yard plus the full BMP_{TF} for developed landscaped areas outside the yard that are not treated for the general standard within the yard stone. Appendix C contains calculations for sizing the soil filter based on these parameters.

The hydraulic modeling report for the entire project site is also included with this submission in Appendix C. The calculations were developed using USDA TR-55 methodology. The model results in Appendix C illustrate how the site drainage and stormwater management infrastructure will function during the 2 -, 10 - and 25 - year storms. The report also contains the hydrologic calculations for the project. The modeling results were used to confirm that adequate water quality volume (WQV) will be provided below the required 18" depth for the Grassed Underdrain Soil Filter.

FLOODING STANDARD

The project is required to meet the MeDEP Chapter 500 Flooding Standard; the addition of over 3 acres of impervious area requires a decrease in peak stormwater runoff as a result of the proposed development. The site is situated entirely within existing HSG Type D soils. Pre-developed and post-developed Curve Numbers for the project can be found in Appendix C and on the project drainage area maps (Sheets 1077-003-003 SH 002 and SH 003). The MeDEP letter describing the construction requirements that allow the General Standard requirements to be met for the yards within the ***Crushed Stone Substation Surface*** also prescribes allotted Curve Numbers for use when calculating runoff from the stone section. Pre-Developed Curve Numbers for the project site depicted on the drainage area maps indicate existing Curve Numbers ranging from 73 to 77. MeDEP prescribes a developed Curve Number for the stone station surface over HSG Type D soils of 60. As existing drainage patterns have been maintained to the extent practicable, the sizes and times of concentration have not been significantly altered with this project. Due to the decreased Curve Numbers across the stone station pad (CN decreased to 60 for these areas), post-development peak flows were calculated to be less than or relatively equal to the pre-development peak flows without the need for on-site stormwater attenuation. Tables 1 and 2 show the pre- and post-development peak flows at each analysis point. Tables 3 through 5 show the comparisons between the pre-developed and post-developed peak flow rates

Table 1 - Pre-Developed Peak Flow Rates

Analysis Point	2-Year Flow Rate (CFS)	10-Year Flow Rate (CFS)	25-Year Flow Rate (CFS)
A	2.25	5.70	7.51
B	3.98	10.12	13.36
C	0.27	0.66	0.86
D	0.13	0.30	0.38

Table 2 - Post-Developed Peak Flow Rates

Analysis Point	2-Year Flow Rate (CFS)	10-Year Flow Rate (CFS)	25-Year Flow Rate (CFS)	Peak 2-Year Flow Rate at Outfall (If Subsheds Present)	Peak 10-Year Flow Rate at Outfall (If Subsheds Present)	Peak 25-Year Flow Rate at Outfall (If Subsheds Present)
A	2.33	5.71	7.47	N/A	N/A	N/A
B1	1.30	4.05	5.55	2.06	5.73	7.71
B2	1.84	5.14	6.91			
C	0.15	0.37	0.48	N/A	N/A	N/A
D	0.13	0.30	0.38	N/A	N/A	N/A

Table 3 – Flow Rate Comparison, 2-Year

Analysis Point	PRE 2-Year Flow Rate (CFS)	POST 2-Year Flow Rate (CFS)	Change in Peak Flow Rate (CFS)
A	2.25	2.33	0.08
B	3.98	2.06	(1.92)
C	0.27	0.15	(0.12)
D	0.13	0.13	0.00

Table 4 – Flow Rate Comparison, 10-Year

Analysis Point	PRE 10-Year Flow Rate (CFS)	POST 10-Year Flow Rate (CFS)	Change in Peak Flow Rate (CFS)
A	5.70	5.71	0.01
B	10.12	5.73	(4.39)
C	0.66	0.37	(0.29)
D	0.30	0.30	0.00

Table 5 – Flow Rate Comparison, 25-Year

Analysis Point	PRE 25-Year Flow Rate (CFS)	POST 25-Year Flow Rate (CFS)	Change in Peak Flow Rate (CFS)
A	7.51	7.47	(1.04)
B	13.36	7.71	(5.65)
C	0.86	0.48	(0.38)
D	0.38	0.38	0.00

Access Road Culvert Sizing

An approximately 200’ long gravel access drive is proposed extending from Fickett Road to the proposed substation pad. The road will be graded to slope longitudinally downward to a low point between the station pad and Fickett Road and will be graded to have a 2% minimum cross slope to carry stormwater runoff from the road surface. Surface runoff from areas upstream of the new access

drive currently flow within a poorly defined ditch along Fickett Road and will be required to pass beneath the road via a proposed 15” reinforced concrete culvert.

The culvert is expected to serve a drainage area of approximately 0.68 acres having a runoff Curve Number of 75 and with a time of concentration of 5 minutes. The drainage area hydrology was modeled in AutoDesk’s Storm and Sanitary Analysis program to develop post-developed peak flow rates to the culvert in the 2-, 10- and 25-year storm events. Hydraulic analysis of the culvert was completed using AutoDesk’s Hydraflow Express analysis tool to confirm flow capacity and check for flooding. Hydrologic model outputs including peak flow rates can be found in Appendix C in the *Proposed Conditions Hydraulic/Hydrologic Report*. The *Culvert Report* in Appendix C demonstrates the anticipated performance of the culvert during a 25-year event including flow regime and hydraulic grade line elevations at both upstream and downstream ends.

CONCLUSION

The NECEC Project will require a Stormwater Management Permit, and will be required to meet the Basic, Phosphorous and Flooding Standards as described in MeDEP Chapter 500. The Basic Standard shall be met at the Fickett Road Substation through Erosion and Sedimentation Control, Inspection and Maintenance, and Housekeeping, as described in this narrative and the attached checklists, logs and plans. The Flooding Standards shall be met at the Fickett Road Substation by using the MeDEP approved substation yard stone section, as illustrated on the attached stormwater treatment plans. The proposed culvert beneath the new access drive has been sized to prevent flooding of the road during the 25-year storm event. The Phosphorus Standard shall be met using the MeDEP approved substation yard section and a Grassed Underdrain Soil Filter.

APPENDIX A – BMP INSPECTION & MAINTENANCE CHECKLISTS AND LOGS

APPENDIX A-1: BMP INSPECTION & MAINTENANCE CHECKLIST

Central Maine Power Company – Fickett Road Substation
Pownal, Maine

BMP MEASURE	INSPECTION REQUIREMENTS*	MAINTENANCE/CLEANOUT THRESHOLDS
Vegetated Swales	Inspect swale for accumulated sediment, debris and other obstructions. Inspect swales for evidence of erosion, gullies, or slumping of the side slopes. Inspect swales for bare ground/sparse vegetation. Monitor vegetative growth.	Clean as needed and dispose of properly. Repair and re-seed as necessary. Consult engineer if problem persists. Areas of persistent erosion may need to be armored. Re-seed as necessary. Soil may need to be scarified if compacted soils are present. Mow vegetation in swales to roughly six inches at least once and no more than two times a year. To be performed between June 15th and August 30th. Fertilizer containing phosphorus is prohibited, except when establishing new turf or vegetation on bare soil.
Check Dams	Inspect check dams to ensure the center is lower than the edges. Inspect check dams for stone displacement, erosion, concentrated flow or channelization. Inspect check dams for accumulated sediment, debris or other obstructions.	Repair as necessary. Repair any damaged areas. Consult engineer if problem persists. Clean as needed and dispose of properly. Sediment must be removed before it exceeds one half the original height of the check dam.
Revegetated Areas	Inspect revegetated areas for evidence of erosion, concentrated flow, or channelization. Inspect revegetated areas for bare ground/sparse vegetation.	Repair and re-seed as necessary. Consult engineer if problem persists. Areas of concentrated flow where rills and gullies are present may need to be armored Re-seed as necessary. Soil may need to be scarified if compacted soils are present. Fertilizer containing phosphorus is prohibited, except when establishing new turf or vegetation on bare soil.
Gravel Access Roads	Inspect access road shoulder for accumulated sand/sediment. Inspect grade on access road and shoulder to ensure stormwater is not impeded by accumulation of materials or false ditches. Inspect access road to ensure that there is no rutting, wash-boarding, frost heaves, potholes, or ponding occurring.	Remove sand/sediment as necessary. Repair grade as necessary. Repair by replacing gravel and re-grading as necessary.

*Inspections are to be performed on a monthly basis with additional follow-up inspections and maintenance as needed.

APPENDIX A-1: BMP INSPECTION & MAINTENANCE CHECKLIST

Central Maine Power Company – Fickett Road Substation
Pownal, Maine

BMP MEASURE	INSPECTION REQUIREMENTS*	MAINTENANCE/CLEANOUT THRESHOLDS
Grassed Underdrained Soil Filter	Inspect entering swale, basin and outlet structure for accumulated sediment, debris and other obstructions.	Clean as needed and dispose of properly.
	Inspect filter for evidence of erosion, gullies, or slumping of the side slopes.	Repair and re-seed as necessary. Consult engineer if problem persists. Areas of persistent erosion may need to be armored.
	Inspect filter for bare ground/sparse vegetation.	Re-seed as necessary. Soil may need to be scarified if filter media becomes compacted.
	Monitor vegetative growth.	Mow vegetation in impoundment to roughly six inches at least once and no more than two times a year. To be performed between June 15th and August 30th. Fertilizer containing phosphorus is prohibited, except when establishing new turf or vegetation on bare soil.
	Test Ball Valve operating nuts and open and close for operability.	Replace ball valve if not in good operating condition.
Crushed Stone Substation Surface	Inspect crushed stone areas for accumulated sand/sediment.	Remove sand/sediment as necessary.
	Inspect substation surface to ensure that there is no ponding occurring.	Repair by re-grading as necessary.

*Inspections are to be performed on a monthly basis with additional follow-up inspections and maintenance as needed.

APPENDIX A-2: BMP INSPECTION & MAINTENANCE LOG

Central Maine Power Company – Fickett Road Substation

Pownal, Maine

BMP MEASURE (Refer to Appendix B-1 & the O&M Plan)	**Inspector(s):**			**Inspection Type:** Monthly [ ] Follow-up [ ]	**Photos Taken:** Yes [ ] No [ ]	**Date:**
VEGETATED SWALES	**YES***	**NO**	**INITIALS**	**OBSERVATIONS**	**CORRECTIVE ACTIONS/REPAIR ACTIVITY**	**DATE COMPLETED & BY WHOM** (Refer to any contractor service logs)
Swale along Northwesterly side of yard						
1. Is there an accumulation of sediment, debris and/or other obstructions?						
2. Is there any evidence of erosion, gullies or slumping of the side slopes?						
3. Are there areas of bare ground or sparse vegetation?						
4. Has vegetation been mowed to a length roughly 6" this year?						
CHECK DAMS						
Check Dams in Swales						
1. Are the edges of the check dams higher than the center?						
2. Is there any evidence of stone displacement, erosion, concentrated flow or channelization?						
3. Is there an accumulation of sediment, debris and/or other obstructions?						

APPENDIX A-2: BMP INSPECTION & MAINTENANCE LOG
Central Maine Power Company – Fickett Road Substation
Pownal, Maine

BMP MEASURE (Refer to Appendix B-1 & the O&M Plan)	**Inspector(s):**			**Inspection Type:** Monthly [ ] Follow-up [ ]	**Photos Taken:** Yes [ ] No [ ]	**Date:**
	YES*	**NO**	**INITIALS**	**OBSERVATIONS**	**CORRECTIVE ACTIONS/REPAIR ACTIVITY**	**DATE COMPLETED & BY WHOM** (Refer to any contractor service logs)
REVEGETATED AREAS						
Revegetated Areas along Access Road						
1. Is there any evidence of erosion, concentrated flow or channelization?						
2. Are there areas of bare ground or sparse vegetation?						
Revegetated Areas on all sides of the station						
1. Is there any evidence of erosion, concentrated flow or channelization?						
2. Are there areas of bare ground or sparse vegetation?						
GRAVEL ACCESS ROADS						
Access Road to Entrance						
1. Is there an accumulation of sand and/or sediment in the road shoulder?						
2. Does the grade across the road section allow stormwater to drain off the roadway?						
3. Are there any signs of rutting, wash-boarding, frost heaves, potholes or ponding?						

APPENDIX A-2: BMP INSPECTION & MAINTENANCE LOG
Central Maine Power Company – Fickett Road Substation
Pownal, Maine

BMP MEASURE (Refer to Appendix B-1 & the O&M Plan)	**Inspector(s):**			**Inspection Type:** Monthly [ ] Follow-up [ ]	**Photos Taken:** Yes [ ] No [ ]	**Date:**
GRASSED UNDERDRAINED SOIL FILTER **West side of station yard and north of Access Road**	**YES***	**NO**	**INITIALS**	**OBSERVATIONS**	**CORRECTIVE ACTIONS/REPAIR ACTIVITY**	**DATE COMPLETED & BY WHOM** (Refer to any contractor service logs)
1. Is there an accumulation of sand and/or sediment in the swale or basin?						
2. Is there any evidence of erosion, gullies or slumping of the side slopes?						
3. Are there areas of bare ground or sparse vegetation?						
4. Is the ball valve clean and operable?						
CRUSHED STONE SUBSTATION SURFACE **Fenced-in area of the Substation and aprons**						
1. Is there an accumulation of sand/sediment in crushed stone areas?						

APPENDIX B – CORRESPONDENCE FROM MEDEP TO CMP

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JUN 11 2008

JOHN ELIAS BALDACCI
GOVERNOR

DAVID P. LITTELL
COMMISSIONER

June 5, 2008

Roy Koster
Central Maine Power
83 Edison Drive
Augusta, ME 04336

RE: DEP Stormwater Management Regulations and how they apply to Central Maine Power Company Substations and Switchyards

Dear Mr. Koster:

I am writing to provide clarification on how substations and switchyards designed by Central Maine Power Company (CMP) can meet DEP Stormwater Management rules, Chapter 500 and the Site Location of Development Law. This letter supersedes a previous DEP letter on this subject dated February 29, 2008 and is a follow-up to further discussions between CMP and DEP staff.

Based on the report prepared by John Simon of Balance Engineering, dated March 8, 2008, regarding the stormwater runoff coefficient at CMP substations and switchyards, the required gravel fill and surface nature of these structures performs differently than most common construction practices and a modeling variance will be allowed for CMP substations and switchyards as follows:

When Flooding Standard requirements apply to a CMP project, modeling must demonstrate that peak runoff from the substation structure does not exceed predevelopment flow rates at the property line. Because of the permeability plus storage within the gravel fill and roughness of the crushed rock surface, the curve number (CN) specified in John Simon's report (March 2008) may be used for the substation area. As reported, a CN of 55 may be used for substations and switchyards that are built on areas that are mapped as HSG "A", "B", and "C", and a CN of 60 must be used when the area is mapped as HSG "D" for the HydroCAD model. However, all impervious surfaces will have to be added for an averaged curve number.

The General Standards of Chapter 500 (water quality) will be considered as met by the CMP substation/switchyard design specifications as long as the structure includes the typical CMP substation profile overlaying the natural ground surface. The soil layers within the CMP substation profile consist of 4 inches of crushed stone, 50:50 mix of 1.5"

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0017
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RAY BLDG., HOSPITAL ST.

BANGOR
106 HOGAN ROAD
BANGOR, MAINE 04401
(207) 941-4570 FAX: (207) 941-4584

PORTLAND
312 CANCO ROAD
PORTLAND, MAINE 04103
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE
1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, MAINE 04769-2094
(207) 764-0477 FAX: (207) 760-3143

web site: www.maine.gov/dep

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and 0.75" diameter stone overlaying 18 inches or more of gravel fill, MDOT 703.06 Type A. Saturation within the granular fill will detain and provide treatment for the one-inch design standard under that requirement. Groundwater can never be any higher than 18 inches below the top of the gravel fill. Other treatment considerations will need to be provided for all impervious structures anticipated on the substation and switchyard and for the roadway.

The Basic Standards of Chapter 500 (erosion and sedimentation control, inspection and maintenance, and housekeeping) will be met by the standard CMP substation and switchyard design specification and erosion control/construction plan as developed by CMP for each Stormwater Management application. These are minimum erosion control measures that will need to be maintained until the site is fully stabilized. However, based on site and weather conditions during construction, additional erosion control measures may be needed.

While there are several ways to approach the design standards discussed above, these must be considered the minimum requirements in meeting the Stormwater Management and Site Location of Development Laws. However, in some situations where the local hydrology and site conditions warrant more resource protection, additional BMPs may be required. Also, the access drive and associated roadside swales are included in the disturbed area for permitting purposes and the treatment of these areas must be addressed separately from the substation or switchyard and be treated with standard practices. The natural hydrology of these areas will need to be maintained and will have to meet all applicable standards as established in Chapter 500 (page 11, Section 5).

I hope this addresses your request and will make the DEP permitting process more straight forward. If you have further questions, please contact Marianne Hubert at (207) 287-4140.

Sincerely,

Don Witherill, Director
Watershed Management Division
Bureau of Land and Water Quality

Cc: Marianne Hubert, PE, DEP program manager
Andy Fisk, DEP L&W Bureau Director
Dan Butler, PE, TRC
Gerry Mirabile, CMP

From: Gungor, Kerem [mailto:Kerem.Gungor@maine.gov]
Sent: Wednesday, August 23, 2017 1:57 PM
To: Volock, Kenny
Subject: RE: CMP Substation Yard Treatment Clarifications

Hi Kenny,

Here are my answers:

Is there a point at which we can no longer consider the concrete and roof area within a substation to be treated through the 4" stone and 18" MDOT Type "A" gravel station yard section?

I took into account the storage volume provided by the underlying 18" gravel layer for Coopers Mill substation minor revision I reviewed. Same approach can be followed for NECEC:

Storage Volume Provided for Treatment (cf) = (Substation Yard Area excluding the impervious surfaces (sf)) x 2 ft x 0.3 (assumed porosity for the substation yard profile)

Storage Volume Required for the Treatment of the Impervious Surfaces (cf) = Impervious surface (i.e. concrete, roof) (sf) x (1/12) (ft) (one-inch storage requirement for the impervious surfaces)

Therefore, one unit area of stone yard can treat up to 7 unit areas of impervious area (I would recommend staying on the conservative side, not going this far). You do not need to provide additional treatment for the roof at Merrill Road substation.

How is the station yard section considered when it comes to phosphorous treatment?
Considering the storage volume and structure of the station yard, I would use the minimum treatment factor, **0.1** as given for the infiltration measures in **Table 4.1** of the Phosphorus Control Manual. For the concrete surfaces and roof, you can use the export factor of **0.5 lb/ac/yr**. For the substation yard, the export factor of **0.3 lb/ac/yr** can be used.
Please let me know if you have any more questions.
Best,

Kerem Gungor, Ph.D., P.E.
Environmental Engineer, Central Maine Region
Bureau of Land Resources | Land Division
Maine Department of Environmental Protection
(207) 446-3915 | kerem.gungor@maine.gov

From: kenny.volock@powereng.com [mailto:kenny.volock@powereng.com]
Sent: Wednesday, August 23, 2017 12:03 PM
To: Gungor, Kerem
Subject: CMP Substation Yard Treatment Clarifications

Kerem,

Thank you for your input regarding stormwater management and erosion control during the NECEC Pre-Application last Thursday. I do have a couple follow-up questions that I would like some clarification on:

Is there a point at which we can no longer consider the concrete and roof area within a substation to be treated through the 4" stone and 18" MDOT Type "A" gravel station yard section?

Since we typically call for 6" of stone, I've always assumed the extra 2" of stone is what provided the additional water quality volume for the roof and concrete areas. Depending on what you use for porosity of the stone (0.3 to 0.4), you would have 0.6" to 0.8" available, enough for 0.6 acres to 0.8 acres of roof/concrete per acre of stone yard. This equates to 37.5% to 44.4% roof/concrete area.

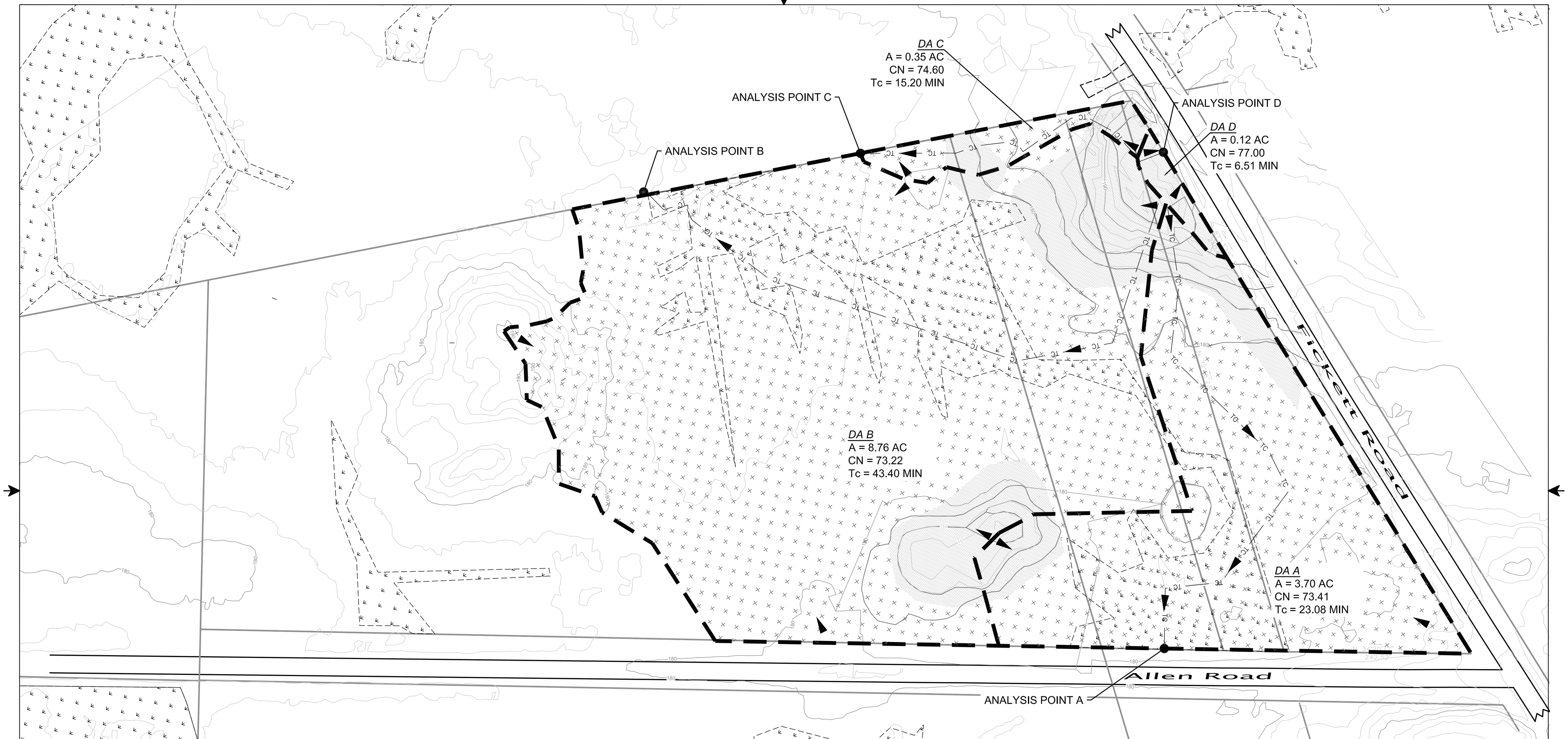
A typical substation yard has only around 2% to 5% roof/concrete area, so it is negligible. However, at Merrill Road, with a very large building, that percentage could approach 30%. I would like to know, prior to submission, if we will be able to consider the runoff from the building roof as treated by the yard, or if we will need to make separate provisions.

How is the station yard section considered when it comes to phosphorous treatment?

The 2008 letter from MeDEP to CMP discusses the Flooding and General Standards, but does not discuss the Phosphorous Standard. Can we assume the yard to have the same base treatment factor of 0.4 as the other BMPs? Or is there some other base treatment factor we should be using?

Any input you could provide in resolving these two outstanding issues would be greatly appreciated.

APPENDIX C – STORMWATER COMPUTATIONS



LEGEND

- 750 — EX. MAJOR CONTOUR
- 744 — EX. MINOR CONTOUR
- TC — EX. TIME OF CONCENTRATION
- EX. SOIL BOUNDARY *
- EX. OVERHEAD UTILITY
- EX. FLOW DIRECTION ARROW
- EX. DRAINAGE BOUNDARY
- EX. PROPERTY BOUNDARY
- EX. WETLAND
- ANALYSIS POINT

* SITE IS ENTIRELY HSG TYPE D SOILS

- EX. BRUSH
- EX. WOODS

EXISTING CONDITIONS HYDRAULIC SUMMARY			
DRAINAGE AREA	2 - YEAR FLOW RATE (CFS)	10 - YEAR FLOW RATE (CFS)	25 - YEAR FLOW RATE (CFS)
A	2.25	5.70	7.51
B	3.98	10.12	13.36
C	0.27	0.66	0.86
D	0.13	0.30	0.38

0 60 120 Feet

ISSUED FOR PERMITTING
NOT FOR CONSTRUCTION 05/29/18

REV.	DESCRIPTION	DATE	BY	CK	APP

OWNER ENGINEER:
APPROVAL STAMP:
PE Stamp
DRAWING PREPARED BY:
ACCEPTED BY OE:

IUSA ENGINEERING
CONFIDENTIAL, PROPRIETARY and TRADE SECRET INFORMATION
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CMP IBERDROLA - USA

REV.	DATE	BY	DESCRIPTION	APP.

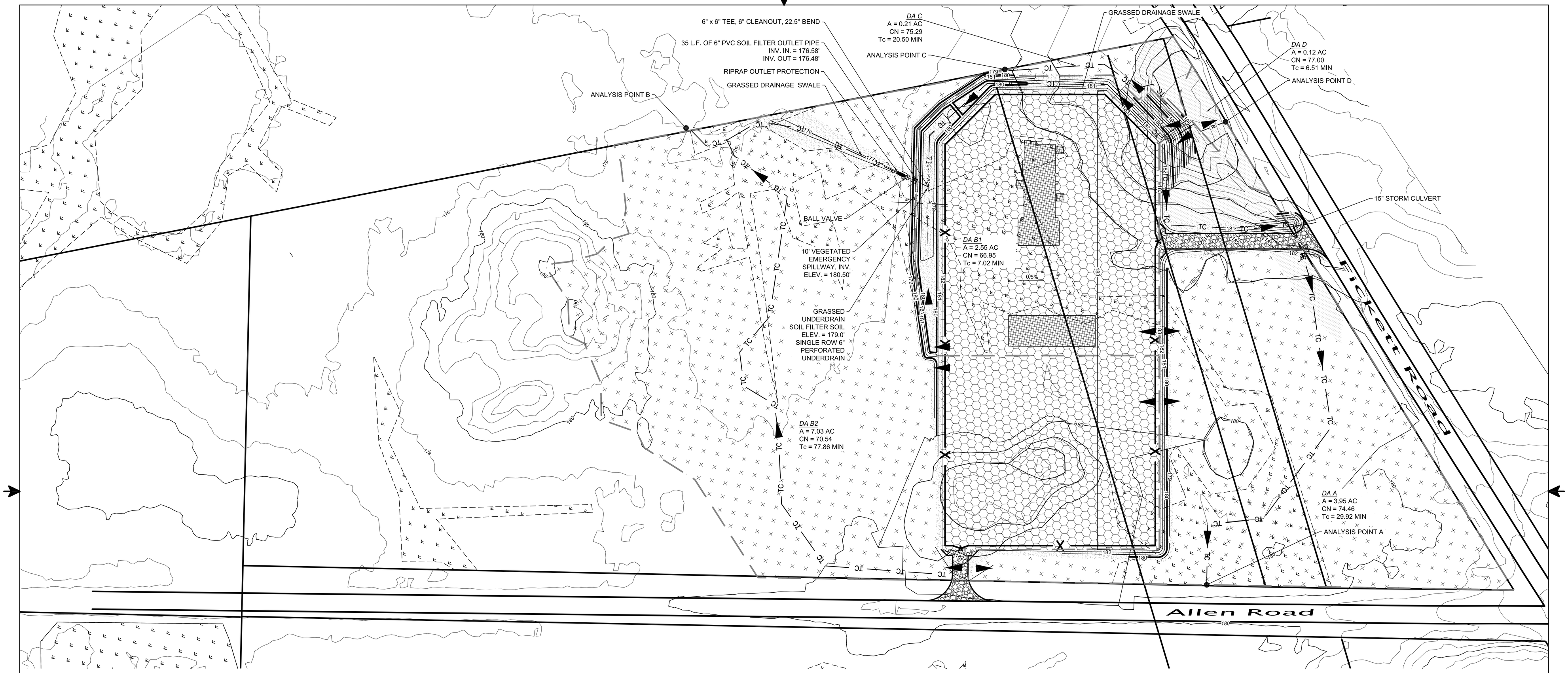
PRE-DEVELOPMENT STORMWATER PLAN

SH 2 OF 3

FICKETT ROAD/1077 POWNAL, ME

DR.	TJG	SCALE: 1" = 60'	FILE: 1077-003-003SH002.DWG
CK.	KRV	NO.	REV.
APP.		1077-003-003	A
DATE:			

ANSI D CADD Drawing, DO NOT REVISE MANUALLY.



LEGEND

- 750 — EX. MAJOR CONTOUR
- 744 — EX. MINOR CONTOUR
- EX. SOIL BOUNDARY *
- EX. OVERHEAD UTILITY
- EX. PROPERTY BOUNDARY
- EX. WETLAND
- 750 — PROP. MAJOR CONTOUR
- 744 — PROP. MINOR CONTOUR
- TC — PROP. TIME OF CONCENTRATION
- PROP. FLOW DIRECTION ARROW
- PROP. DRAINAGE BOUNDARY
- ANALYSIS POINT
- PROP. CULVERT/PIPING

* SITE IS ENTIRELY HSG TYPE D SOILS

- EX. WOODS
- EX. BRUSH
- PROP. DEVELOPED GRASS/LANDSCAPE
- PROP. IMPERVIOUS SURFACE/ROOF
- PROP. STONE PAD
- PROP. GRAVEL ACCESS ROAD

PROPOSED CONDITIONS HYDRAULIC SUMMARY

DRAINAGE AREA	2 - YEAR FLOW RATE (CFS)	10 - YEAR FLOW RATE (CFS)	25 - YEAR FLOW RATE (CFS)	PEAK 2 - YEAR FLOW RATE AT OUTFALL (IF SUBSHEDS PRESENT)	PEAK 10 - YEAR FLOW RATE AT OUTFALL (IF SUBSHEDS PRESENT)	PEAK 25 - YEAR FLOW RATE AT OUTFALL (IF SUBSHEDS PRESENT)
A	2.33	5.71	7.47	N/A	N/A	N/A
B1	1.30	4.05	5.55	2.06	5.73	7.71
B2	1.84	5.14	6.91			
C	0.15	0.37	0.48	N/A	N/A	N/A
D	0.13	0.30	0.38	N/A	N/A	N/A

STORMWATER TREATMENT REQUIREMENTS (% OF TREATED AREA)

LAND TYPE	STATION	STATION % TREATED
IMPERVIOUS TOTAL	3.90 AC	96.15%
IMPERVIOUS TREATED	3.75 AC	
DEVELOPED TOTAL*	4.87 AC	85.83%
DEVELOPED TREATED	4.18 AC	

*DEVELOPED AREA INCLUDES BOTH IMPERVIOUS AND LANDSCAPED SURFACES

STORMWATER TREATMENT FOR PHOSPHOROUS STANDARD

CONDITION	PHOSPHOROUS EXPORT LOAD (LBS P/YEAR)
PROJECT PHOSPHOROUS BUDGET	0.51
PRE-TREATMENT ALGAL AV. P EXPORT	1.65
POST-TREATMENT ALGAL AV. P EXPORT	0.45

0 120 240 Feet

ISSUED FOR PERMITTING
NOT FOR CONSTRUCTION 05/29/18

REV.	DESCRIPTION	DATE	BY	CK	APP
B	MEDEP PERMIT SET COMMENT REVISIONS	05/29/18	TJG	KRV	

OWNER ENGINEER:
APPROVAL STAMP:
PE Stamp
DRAWING PREPARED BY:
ACCEPTED BY OE:

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CMP IBERDROLA - USA

REV.	DATE	BY	DESCRIPTION	APP.

POST-DEVELOPMENT STORMWATER PLAN

SH 3 OF 3

FICKETT ROAD/1077 POWNAL, ME

DR. TJG | SCALE: 1" = 60' | FILE: 1077-003-003SH003.DWG
CK. KRV | NO. 1077-003-003 | REV. B
APP.
DATE:

ANSI D CADD Drawing, DO NOT REVISE MANUALLY.

Worksheet 1 - PPB calculations

Project Name:	**Fickett Road Substation**			
Lake Watershed:	**Runaround Pond**			
Town: Durham				
Standard Calculations				
Watershed per acre phosphorus budget (Appendix C)		**PAPB**	0.03	lbs P/acre/year
Total acreage of development parcel:		**TA**	19.61	acres
NWI wetland acreage:		**WA**	2.41	acres
Steep slope acreage:		**SA**	0.17	acres
Project acreage: A = TA - (WA+ SA)		**A**	17.03	acres
Project Phosphorus Budget: PPB = P x A		**PPB**	0.51	**lbs P/year**
Small Watershed Adjustment				
If Project Acreage (A) is greater than the threshold acreage for the small watershed threshold (SWT, from pertinent lake and town info in the table in Appendix C), calculate an alternative PPB using the analysis below and use this value if it is less than the the Standard Calculation PPB.				
Small Watershed Threshold (Appendix C):		**SWT**	N/A	acres
Project acreage:		**A**	N/A	acres
Allowable increase in town's share of annual phosphorus load to lake (Appendix C):		**FC**	N/A	lbs P/year
Area available for development (Appendix C):		**AAD**	N/A	acres
Ratio of A to AAD (R=A/AAD)		**R**	N/A	
Project Phosphorus Budget				
If R < 0.5,	PPB = [(FC x R)/2] + [FC/4]	**PPB**	N/A	**lbs P/year**
If R> 0.5,	PPB = FC x R	**PPB**	N/A	**lbs P/year**

Worksheet 2
Pre-PPE and Post-PPE Calculations

Calculate phosphorus export from development for before and after treatment
Use as many sheets as needed for each development type (commercial, roads, residential lots, etc.)

Project name: Fickett Substation **Development type**: ___Commercial_____ Sheet # _____

Land Surface Type or Lot #(s) with description	Acres or # of lots	Export Coefficient from Table 3.1 Table 3.2	Pre-treatment Algal Av. P Export (lbs P/year)	Treatment Factor for BMP(s) from Chapter 6	Post-treatment Algal Av. P Export (lbs P/year)	Description of BMPs
Impervious Roofs	0.24	0.5	0.12	0.1	0.01	Stone yard to Soil Filter
Stone Station Pad	1.58	0.3	0.47	0.1	0.05	Stone Yard
Concrete Foundations	0.05	0.5	0.03	0.1	0.00	Stone Yard
Stone Station Pad to Soil Filter	1.88	0.3	0.56	0.1	0.06	Stone yard to Soil Filter
Gravel Road Outside Station	0.15	0.5	0.08	1	0.08	N/A
Landscaped Treated	0.43	0.4	0.17	0.25	0.04	Soil Filter
Landscaped Untreated	0.54	0.4	0.22	1	0.22	N/A
		Total Pre-PPE (lbs P/year)	1.65	**Total PostPPE (lbs P/year)**	0.45	

WORKSHEET 4 - PROJECT PHOSPHORUS EXPORT SUMMARY

Summarizing the project's algal available phosphorus export (PPE)

Project Name: Fickett Road Substation

Project Phosphorus Budget - Worksheet 1	**PPB**	0.51	lbs P/year
Total Pre-Treatment Phosphorus Export - Worksheet 2	**Pre-PPE**	1.65	lbs P/year
Total Post-Treatment Phosphorus Export - Worksheet 2	**Post-PPE**	0.45	lbs P/year
Total Phosphorus Mitigation Credit - Worksheet 3	**TMC**	0.00	lbs P/year
Project Phosphorus Export (Post-PPE - TMC)	**PPE**	0.45	lbs P/year

Is the Project Phosphorus Export ≤ the Project Phosphorus Budget? (PPE≤PPB)

*If **YES**, PPE is less than or equal to PPB and the project meets its phosphorus budget .* *If **NO,** PPE is greater than PPB, more reduction in phosphorus export is required or the payment of a compensation fee may be an option*	YES
The amount of phosphorus that needs further treatment or compensation	lbs P/year

Has Project Phosphorus Export been sufficiently reduced?
Is (Pre-PPE - Post-PPE)/Pre-PPE greater than 0.60?

*If **YES**, in some watersheds the compensation fee is an available option.* *If **NO**, more treatment must be provided. PPE must be further reduced.*	
*The post-treatment phosphorus export must be less than 40% of the pre-treatment export (Post-PPE < 0.4*Pre-PPE)*	%

If the project is located in a watershed that is eligible for a compensation fee (or is a residential subdivision with buffers), a compensation fee may be appropriate as follows:

If Project Export has been reduced by greater than 60% and less than 75%, $25,000 per pound minus $833 per 1% Percent Export	
If Project Export has been reduced by greater than 75%, $12,500 per pound minus $500 per 1% Project Export	

Calculations for Grassed Underdrain Soil Filter							
*Based upon MeDEP Stormwater BMPs Chapter 7.1 - Grassed Underdrain Soil Filters and Phosphorus Control Manual							
Land Type	Area (AC.)	BMP_{ST} = WQv Required, General Standard[1], (CU.FT.)	Treatment Factor (TF)[2]	BMP_{TF} = WQv Required, Phosphorus Standard + General Standard[3], (CU.FT.)	WQv Required[4], BMP_{TF} - BMP_{ST}, (CU.FT.)	Total WQv Required (Impervious and Pervious) (CU.FT.)	WQv Provided[5] @ 18" Depth, (CU.FT.)
Impervious Catchment	2.07	7,514.10	0.25	12,022.56	4,508.46	5,507.44	8,354.00
Pervious Developed Catchment	0.43	624.36	0.25	998.98	998.98		

[1] The General Standard has been met by providing the required BMP_{ST} Water Quality volume within the MeDEP approved station pad stone section.

[2] The Treatment Factor used to upsize the required Stanard Treatment volume in order to meet the Phosphorous Standard.

[3] The Water Quality volume required to meet the General and Phosphorous Standards, calculated using the Maine Storm Water Management Design Manual - Phosphorus Control Manual, Section 4.3: BMP_{TF}=0.4*(BMP_{ST}/TF)

[4] The Water Quality volume required to meet the Phosphorouse Standard for areas where the General Standard has already been met within the MeDEP approved station pad stone section.

[5] Flow rate for ball valve to detain WQv over 36 hour period = 8,354CF * 7.48GAL/CF / (36HR*60MIN/HR) = 29 GPM. Flow rate ranges between 22 - 43 GPM for detention times between 24 - 48 HR.

Orifice Sizing, Ball Valve						
WQv Required (CF)	Detention Time (HR)	Flow Rate (CFS)	Average Head (FT)	Orifice Coefficient	Orifice Area (SF)	Orifice Diameter (IN)[3]
8354	36	0.064459877	1.96	0.614	0.009344372	1.308914774

[3] Equivalent Ball Valve Opening = 1/4 Turn

Culvert Report

Hydraflow Express Extension for Autodesk® AutoCAD® Civil 3D® by Autodesk, Inc. Wednesday, Sep 13 2017

Circular Culvert

Invert Elev Dn (ft)	=	180.55
Pipe Length (ft)	=	45.00
Slope (%)	=	1.00
Invert Elev Up (ft)	=	181.00
Rise (in)	=	15.0
Shape	=	Circular
Span (in)	=	15.0
No. Barrels	=	1
n-Value	=	0.015
Culvert Type	=	Circular Concrete
Culvert Entrance	=	Groove end projecting (C)
Coeff. K,M,c,Y,k	=	0.0045, 2, 0.0317, 0.69, 0.2

Embankment

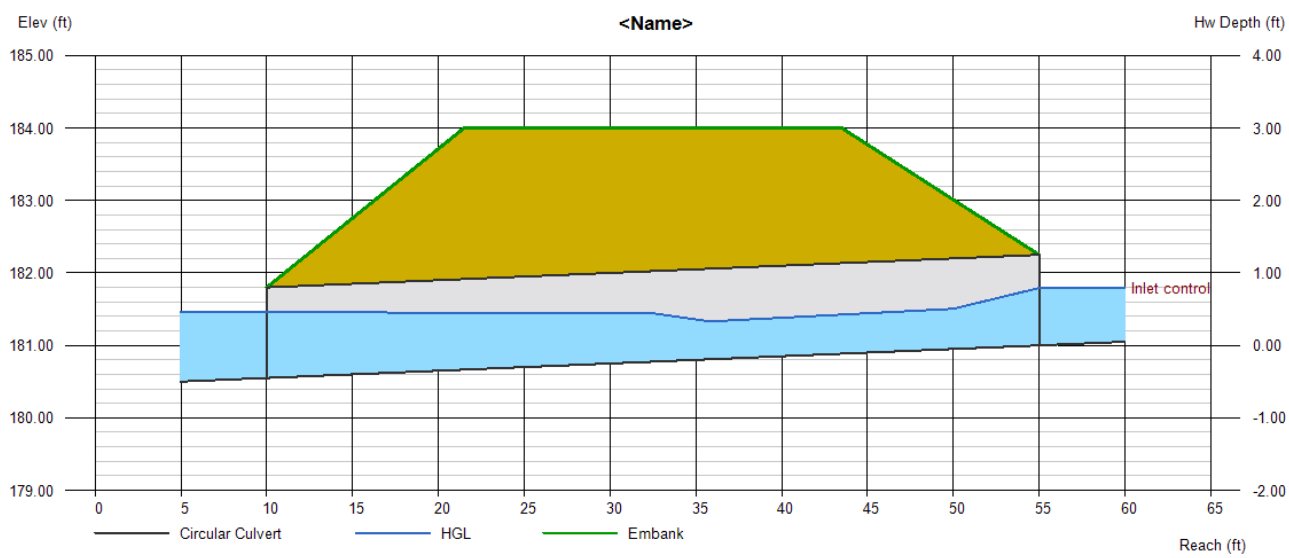
Top Elevation (ft)	=	184.00
Top Width (ft)	=	22.00
Crest Width (ft)	=	20.00

Calculations

Qmin (cfs)	=	2.03
Qmax (cfs)	=	2.03
Tailwater Elev (ft)	=	(dc+D)/2

Highlighted

Qtotal (cfs)	=	2.03
Qpipe (cfs)	=	2.03
Qovertop (cfs)	=	0.00
Veloc Dn (ft/s)	=	2.12
Veloc Up (ft/s)	=	3.75
HGL Dn (ft)	=	181.46
HGL Up (ft)	=	181.57
Hw Elev (ft)	=	181.79
Hw/D (ft)	=	0.63
Flow Regime	=	Inlet Control



Project Description

File Name ..... Existing Conditions.SPF

Project Options

Flow Units ..... CFS
Elevation Type ..... Elevation
Hydrology Method ..... SCS TR-55
Time of Concentration (TOC) Method ..... SCS TR-55
Link Routing Method ..... Kinematic Wave
Enable Overflow Ponding at Nodes ..... YES
Skip Steady State Analysis Time Periods ..... NO

Analysis Options

Start Analysis On ..... Aug 10, 2017 00:00:00
End Analysis On ..... Aug 11, 2017 00:00:00
Start Reporting On ..... Aug 10, 2017 00:00:00
Antecedent Dry Days ..... 0 days
Runoff (Dry Weather) Time Step ..... 0 01:00:00 days hh:mm:ss
Runoff (Wet Weather) Time Step ..... 0 00:05:00 days hh:mm:ss
Reporting Time Step ..... 0 00:05:00 days hh:mm:ss
Routing Time Step ..... 30 seconds

Number of Elements

	Qty
Rain Gages	1
Subbasins	4
Nodes	4
Junctions	0
Outfalls	4
Flow Diversions	0
Inlets	0
Storage Nodes	0
Links	0
Channels	0
Pipes	0
Pumps	0
Orifices	0
Weirs	0
Outlets	0
Pollutants	0
Land Uses	0

Rainfall Details

SN	Rain Gage ID	Data Source	Data Source ID	Rainfall Type	Rain Units	State	County	Return Period (years)	Rainfall Depth (inches)	Rainfall Distribution
1	Rain Gage-01	Time Series	TS-02	Cumulative	inches	Maine	Cumberland (Southeast)	2	3.00	SCS Type III 24-hr

Subbasin Summary

Subbasin ID	Area (ac)	Weighted Curve Number	Total Rainfall (in)	Total Runoff (in)	Total Runoff Volume (ac-in)	Peak Runoff (cfs)	Time of Concentration (days hh:mm:ss)
A	3.70	73.41	3.00	0.88	3.25	2.25	0 00:23:04
B	8.76	73.22	3.00	0.87	7.61	3.98	0 00:43:24
C	0.35	74.60	3.00	0.94	0.33	0.27	0 00:15:12
D	0.12	77.00	3.00	1.07	0.13	0.13	0 00:06:30

Subbasin Hydrology

Subbasin : A

Input Data

Area (ac) 3.70
Weighted Curve Number 73.41
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.38	D	77.00
Brush, Good	3.32	D	73.00
Composite Area & Weighted CN	3.70		73.41

Time of Concentration

TOC Method : SCS TR-55

Sheet Flow Equation :

Tc = (0.007 * ((n * Lf)^0.8)) / ((P^0.5) * (Sf^0.4))

Where :

Tc = Time of Concentration (hr)
n = Manning's roughness
Lf = Flow Length (ft)
P = 2 yr, 24 hr Rainfall (inches)
Sf = Slope (ft/ft)

Shallow Concentrated Flow Equation :

V = 16.1345 * (Sf^0.5) (unpaved surface)
V = 20.3282 * (Sf^0.5) (paved surface)
V = 15.0 * (Sf^0.5) (grassed waterway surface)
V = 10.0 * (Sf^0.5) (nearly bare & untilled surface)
V = 9.0 * (Sf^0.5) (cultivated straight rows surface)
V = 7.0 * (Sf^0.5) (short grass pasture surface)
V = 5.0 * (Sf^0.5) (woodland surface)
V = 2.5 * (Sf^0.5) (forest w/heavy litter surface)
Tc = (Lf / V) / (3600 sec/hr)

Where:

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)

Channel Flow Equation :

V = (1.49 * (R^(2/3)) * (Sf^0.5)) / n
R = Aq / Wp
Tc = (Lf / V) / (3600 sec/hr)

Where :

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
R = Hydraulic Radius (ft)
Aq = Flow Area (ft^2)
Wp = Wetted Perimeter (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)
n = Manning's roughness

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	14.36	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.12	0.00	0.00
Computed Flow Time (min) :	13.94	0.00	0.00

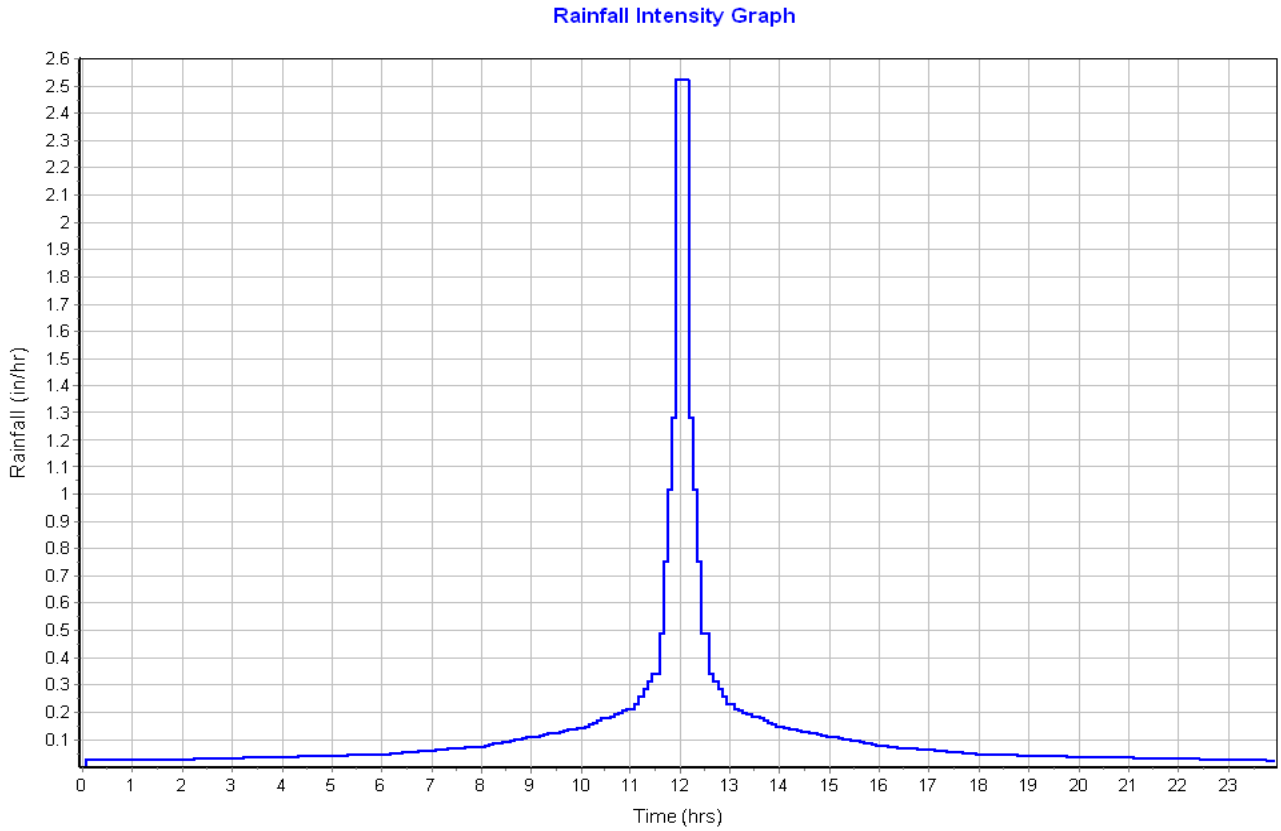
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	625	0.00	0.00
Slope (%) :	.582	0.00	0.00
Surface Type :	Grassed waterway	Unpaved	Unpaved
Velocity (ft/sec) :	1.14	0.00	0.00
Computed Flow Time (min) :	9.14	0.00	0.00

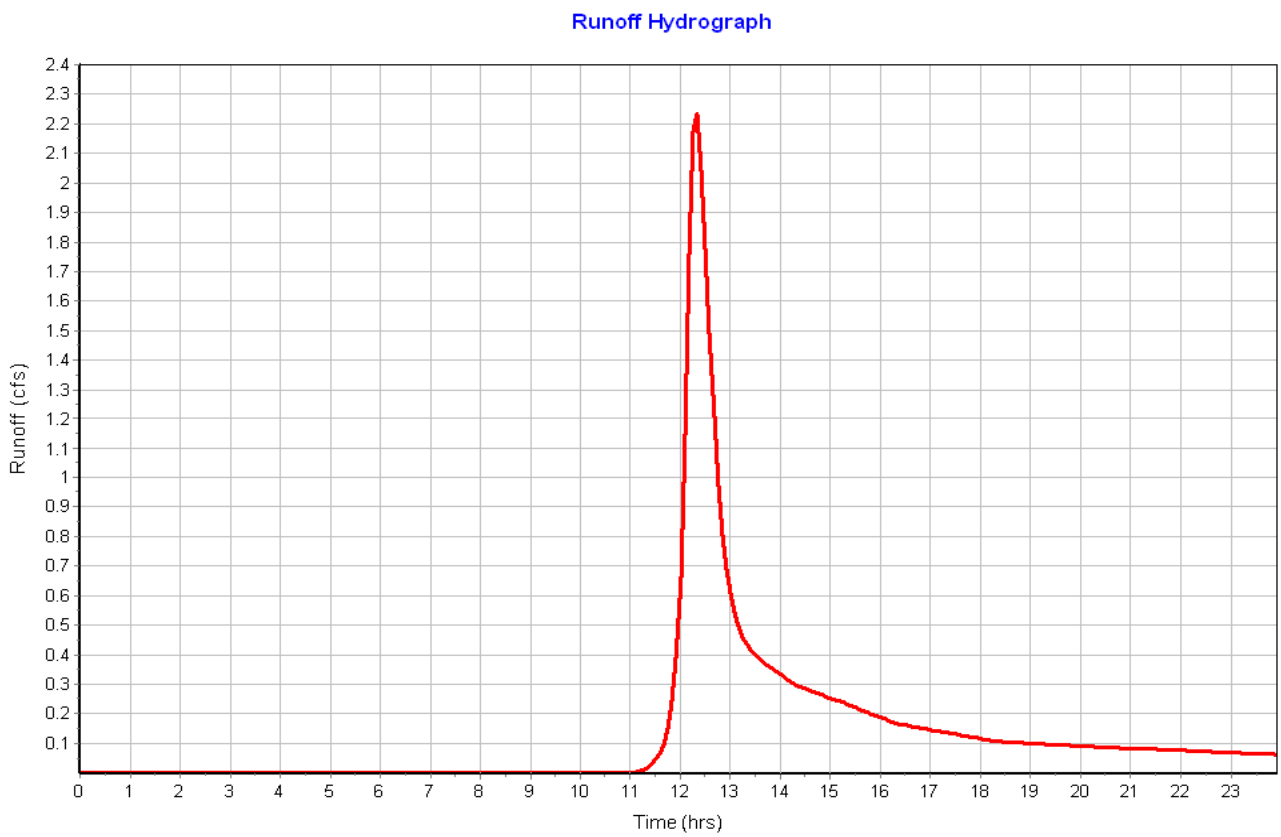
Total TOC (min) 23.08

Subbasin Runoff Results

Total Rainfall (in) 3.00
Total Runoff (in) 0.88
Peak Runoff (cfs) 2.25
Weighted Curve Number 73.41
Time of Concentration (days hh:mm:ss) 0 00:23:05

Subbasin : A


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : B

Input Data

Area (ac) 8.76
Weighted Curve Number 73.22
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Brush, Good	8.27	D	73.00
Woods, Good	0.49	D	77.00
Composite Area & Weighted CN	8.76		73.22

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	4.25	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.07	0.00	0.00
Computed Flow Time (min) :	22.69	0.00	0.00

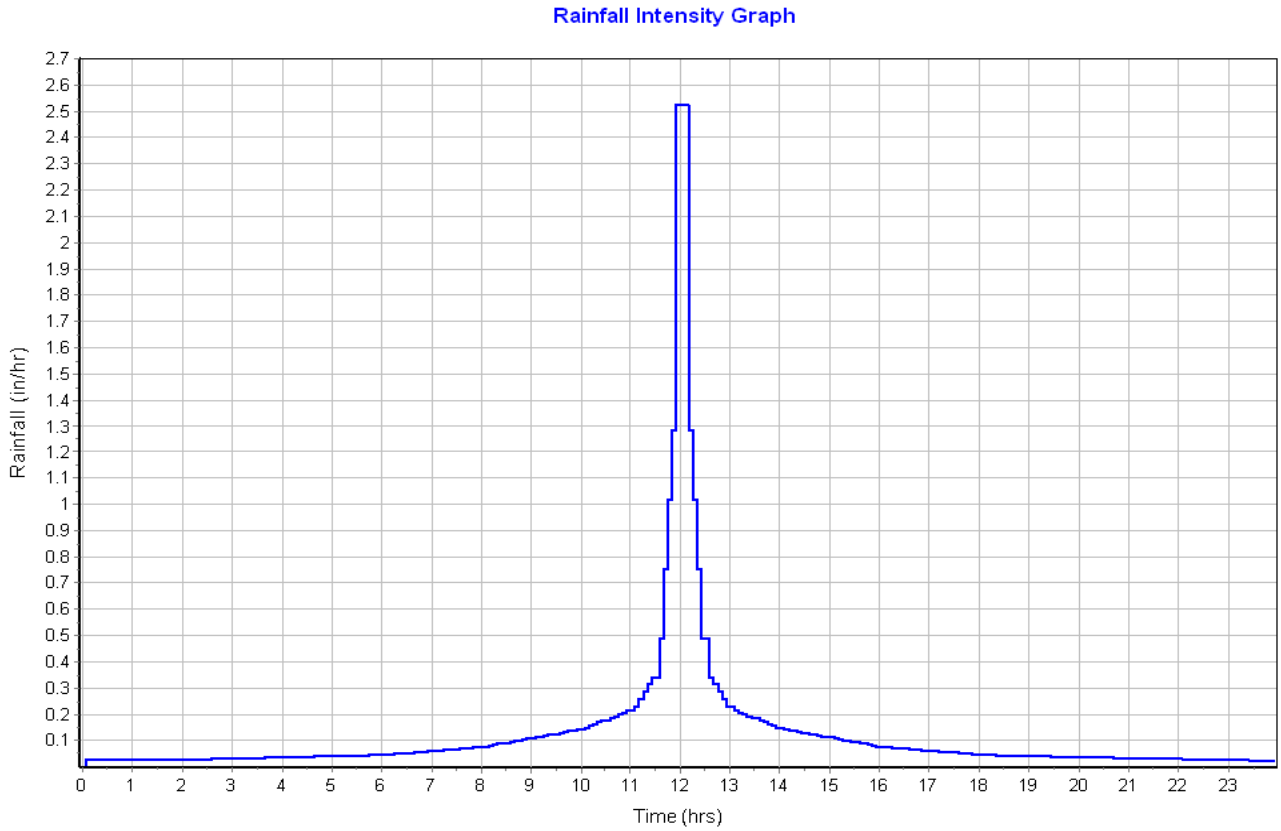
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	758	0.00	0.00
Slope (%) :	.758	0.00	0.00
Surface Type :	Grass pasture	Unpaved	Unpaved
Velocity (ft/sec) :	0.61	0.00	0.00
Computed Flow Time (min) :	20.71	0.00	0.00

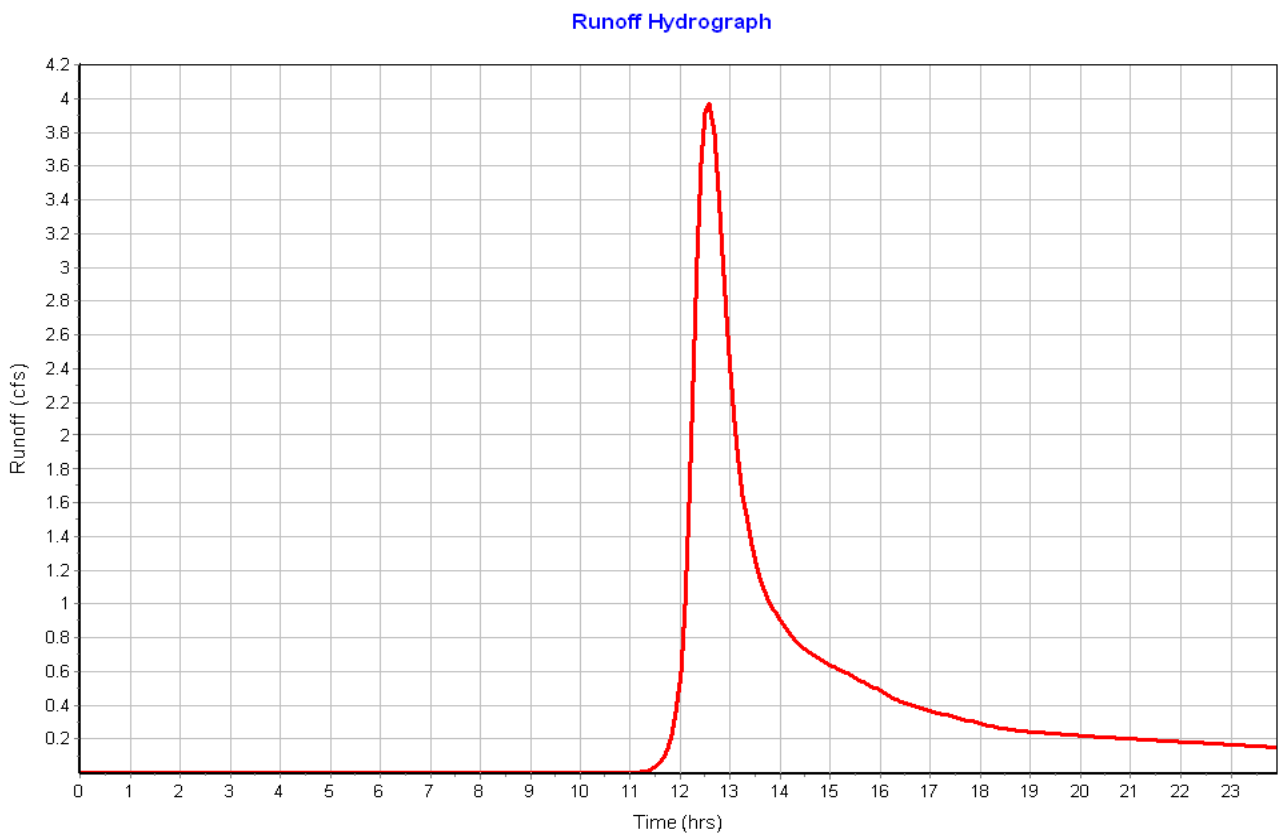
Total TOC (min) 43.40

Subbasin Runoff Results

Total Rainfall (in) 3.00
Total Runoff (in) 0.87
Peak Runoff (cfs) 3.98
Weighted Curve Number 73.22
Time of Concentration (days hh:mm:ss) 0 00:43:24

Subbasin : B


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : C

Input Data

Area (ac) 0.35
Weighted Curve Number 74.60
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.03	D	77.00
Woods, Good	0.04	D	77.00
Brush, Good	0.08	D	73.00
Brush, Good	0.13	D	73.00
Woods, Good	0.07	D	77.00
Composite Area & Weighted CN	0.35		74.60

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	87	0.00	0.00
Slope (%) :	10.35	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.14	0.00	0.00
Computed Flow Time (min) :	10.28	0.00	0.00

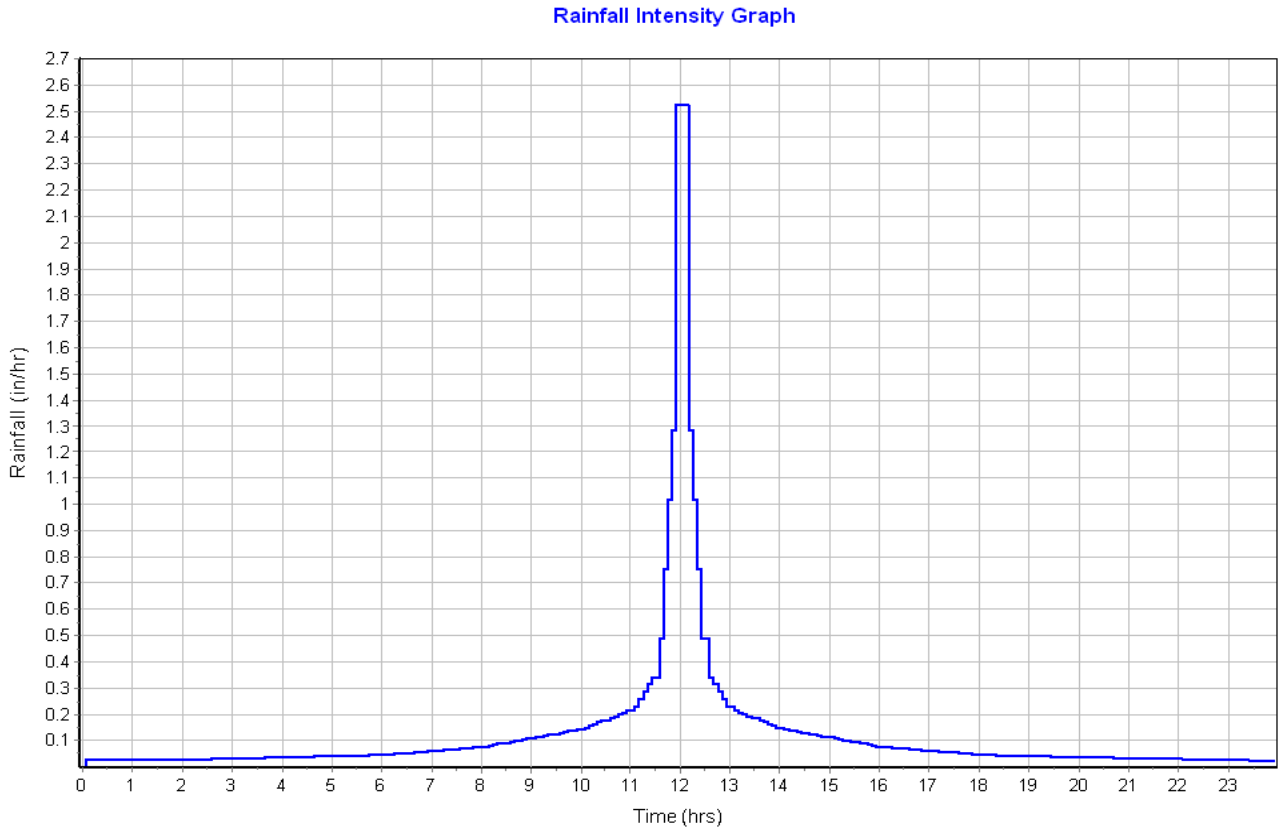
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	313	0.00	0.00
Slope (%) :	2.3	0.00	0.00
Surface Type :	Grass pasture	Unpaved	Unpaved
Velocity (ft/sec) :	1.06	0.00	0.00
Computed Flow Time (min) :	4.92	0.00	0.00

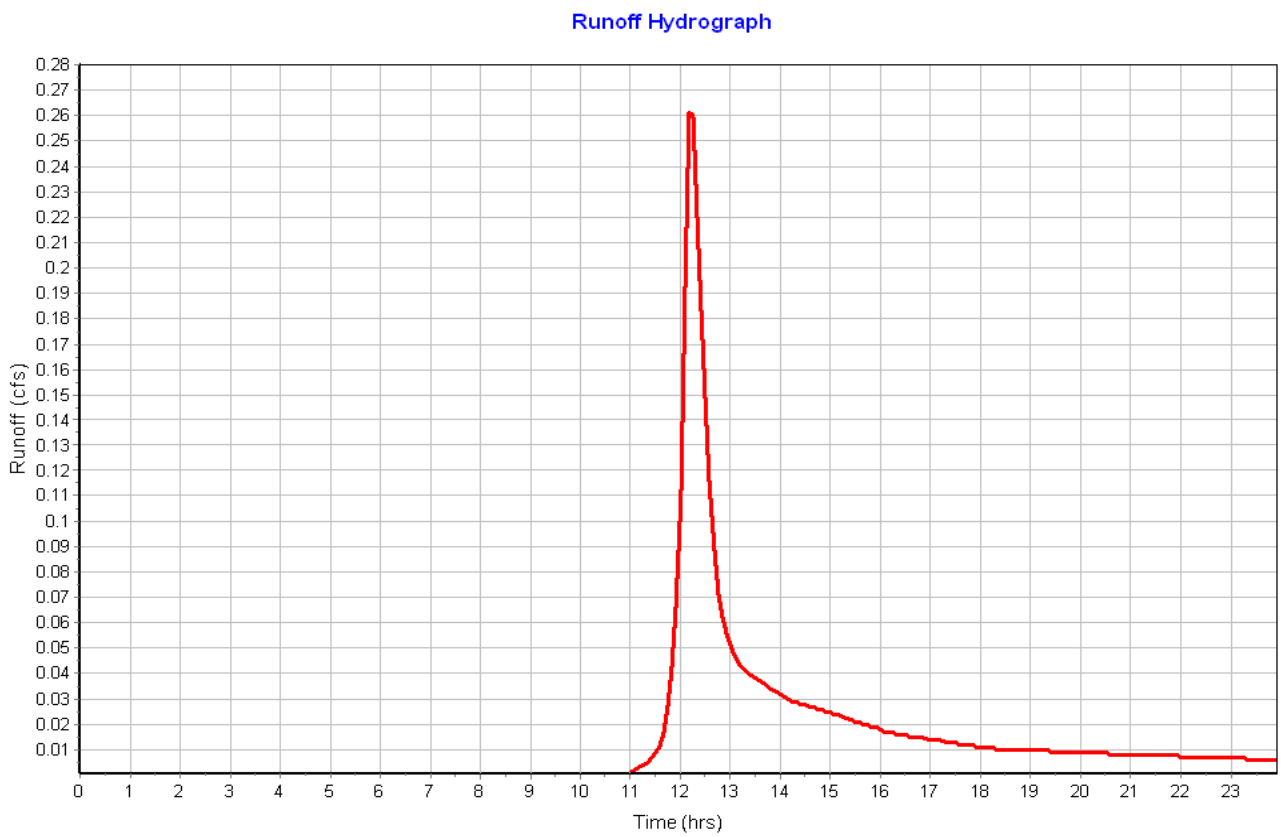
Total TOC (min) 15.20

Subbasin Runoff Results

Total Rainfall (in) 3.00
Total Runoff (in) 0.94
Peak Runoff (cfs) 0.27
Weighted Curve Number 74.60
Time of Concentration (days hh:mm:ss) 0 00:15:12

Subbasin : C


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : D

Input Data

Area (ac) 0.12
Weighted Curve Number 77.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.12	D	77.00
Composite Area & Weighted CN	0.12		77.00

Time of Concentration

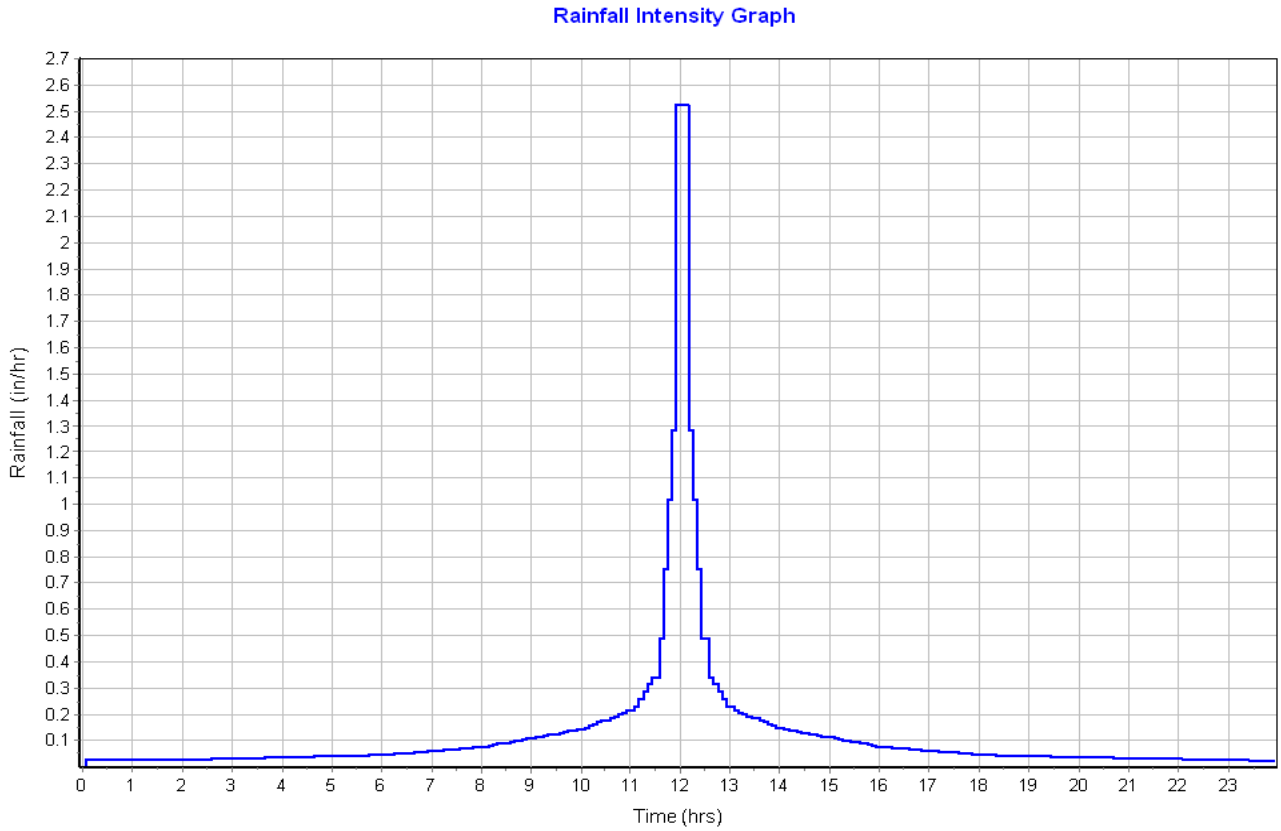
Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	36	0.00	0.00
Slope (%) :	5.55	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.09	0.00	0.00
Computed Flow Time (min) :	6.51	0.00	0.00

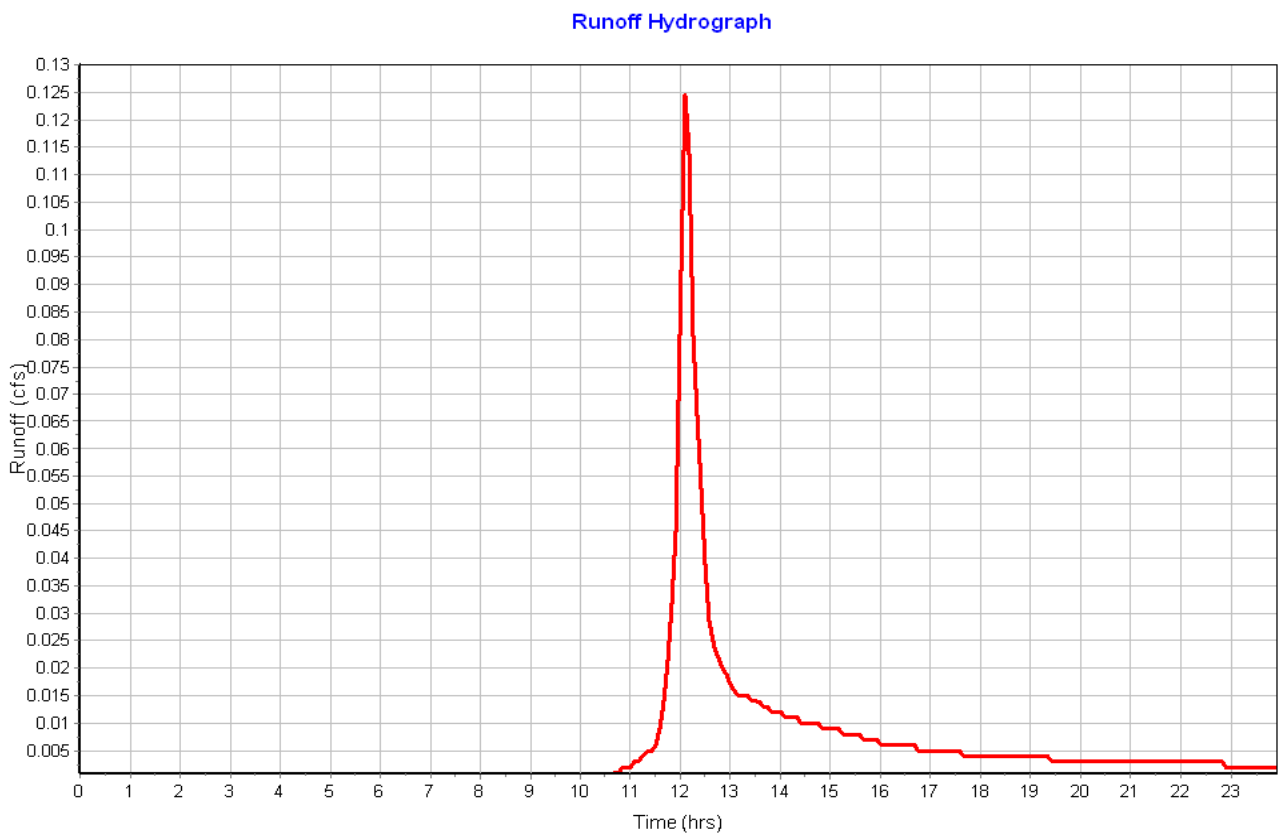
Total TOC (min) 6.51

Subbasin Runoff Results

Total Rainfall (in) 3.00
Total Runoff (in) 1.07
Peak Runoff (cfs) 0.13
Weighted Curve Number 77.00
Time of Concentration (days hh:mm:ss) 0 00:06:31

Subbasin : D


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Project Description

File Name ..... Existing Conditions.SPF

Project Options

Flow Units ..... CFS
Elevation Type ..... Elevation
Hydrology Method ..... SCS TR-55
Time of Concentration (TOC) Method ..... SCS TR-55
Link Routing Method ..... Kinematic Wave
Enable Overflow Ponding at Nodes ..... YES
Skip Steady State Analysis Time Periods ..... NO

Analysis Options

Start Analysis On ..... Aug 10, 2017 00:00:00
End Analysis On ..... Aug 11, 2017 00:00:00
Start Reporting On ..... Aug 10, 2017 00:00:00
Antecedent Dry Days ..... 0 days
Runoff (Dry Weather) Time Step ..... 0 01:00:00 days hh:mm:ss
Runoff (Wet Weather) Time Step ..... 0 00:05:00 days hh:mm:ss
Reporting Time Step ..... 0 00:05:00 days hh:mm:ss
Routing Time Step ..... 30 seconds

Number of Elements

	Qty
Rain Gages	1
Subbasins	4
Nodes	4
Junctions	0
Outfalls	4
Flow Diversions	0
Inlets	0
Storage Nodes	0
Links	0
Channels	0
Pipes	0
Pumps	0
Orifices	0
Weirs	0
Outlets	0
Pollutants	0
Land Uses	0

Rainfall Details

SN	Rain Gage ID	Data Source	Data Source ID	Rainfall Type	Rain Units	State	County	Return Period (years)	Rainfall Depth (inches)	Rainfall Distribution
1	Rain Gage-01	Time Series	TS-10	Cumulative	inches	Maine	Cumberland (Southeast)	10	4.70	SCS Type III 24-hr

Subbasin Summary

Subbasin ID	Area (ac)	Weighted Curve Number	Total Rainfall (in)	Total Runoff (in)	Total Runoff Volume (ac-in)	Peak Runoff (cfs)	Time of Concentration (days hh:mm:ss)
A	3.70	73.41	4.70	2.08	7.70	5.70	0 00:23:04
B	8.76	73.22	4.70	2.07	18.10	10.12	0 00:43:24
C	0.35	74.60	4.70	2.18	0.76	0.66	0 00:15:12
D	0.12	77.00	4.70	2.37	0.28	0.30	0 00:06:30

Subbasin Hydrology

Subbasin : A

Input Data

Area (ac) 3.70
Weighted Curve Number 73.41
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.38	D	77.00
Brush, Good	3.32	D	73.00
Composite Area & Weighted CN	3.70		73.41

Time of Concentration

TOC Method : SCS TR-55

Sheet Flow Equation :

Tc = (0.007 * ((n * Lf)^0.8)) / ((P^0.5) * (Sf^0.4))

Where :

Tc = Time of Concentration (hr)
n = Manning's roughness
Lf = Flow Length (ft)
P = 2 yr, 24 hr Rainfall (inches)
Sf = Slope (ft/ft)

Shallow Concentrated Flow Equation :

V = 16.1345 * (Sf^0.5) (unpaved surface)
V = 20.3282 * (Sf^0.5) (paved surface)
V = 15.0 * (Sf^0.5) (grassed waterway surface)
V = 10.0 * (Sf^0.5) (nearly bare & untilled surface)
V = 9.0 * (Sf^0.5) (cultivated straight rows surface)
V = 7.0 * (Sf^0.5) (short grass pasture surface)
V = 5.0 * (Sf^0.5) (woodland surface)
V = 2.5 * (Sf^0.5) (forest w/heavy litter surface)
Tc = (Lf / V) / (3600 sec/hr)

Where:

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)

Channel Flow Equation :

V = (1.49 * (R^(2/3)) * (Sf^0.5)) / n
R = Aq / Wp
Tc = (Lf / V) / (3600 sec/hr)

Where :

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
R = Hydraulic Radius (ft)
Aq = Flow Area (ft^2)
Wp = Wetted Perimeter (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)
n = Manning's roughness

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	14.36	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.12	0.00	0.00
Computed Flow Time (min) :	13.94	0.00	0.00

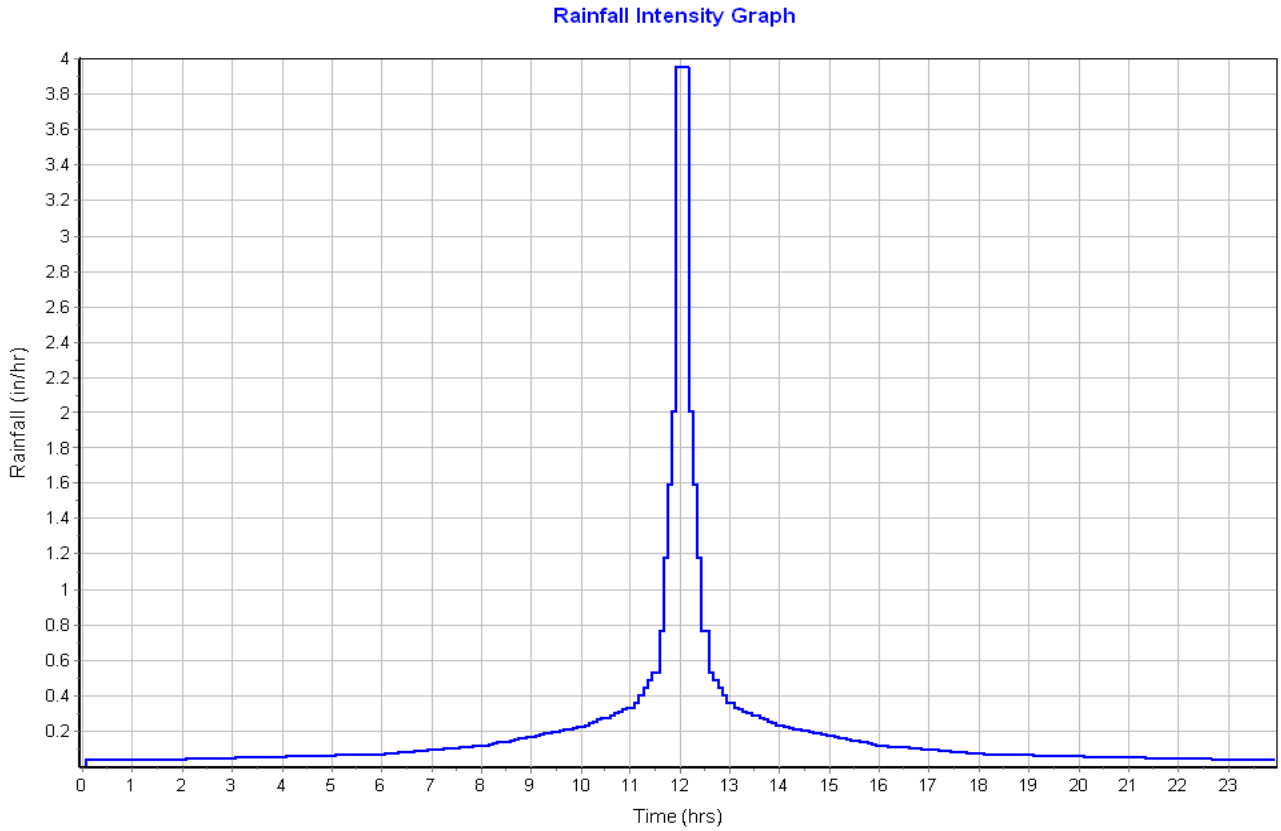
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	625	0.00	0.00
Slope (%) :	.582	0.00	0.00
Surface Type :	Grassed waterway	Unpaved	Unpaved
Velocity (ft/sec) :	1.14	0.00	0.00
Computed Flow Time (min) :	9.14	0.00	0.00

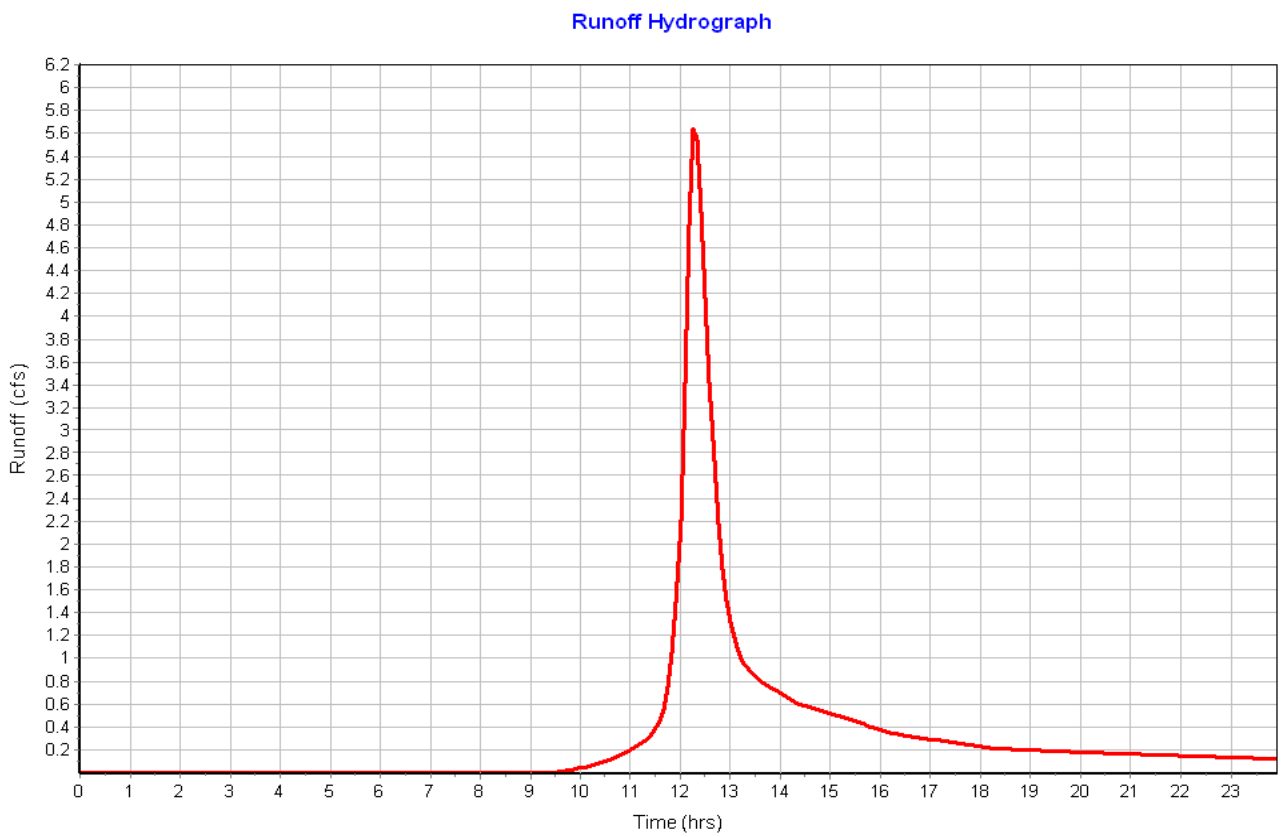
Total TOC (min) 23.08

Subbasin Runoff Results

Total Rainfall (in) 4.70
Total Runoff (in) 2.08
Peak Runoff (cfs) 5.70
Weighted Curve Number 73.41
Time of Concentration (days hh:mm:ss) 0 00:23:05

Subbasin : A


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : B

Input Data

Area (ac) 8.76
Weighted Curve Number 73.22
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Brush, Good	8.27	D	73.00
Woods, Good	0.49	D	77.00
Composite Area & Weighted CN	8.76		73.22

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	4.25	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.07	0.00	0.00
Computed Flow Time (min) :	22.69	0.00	0.00

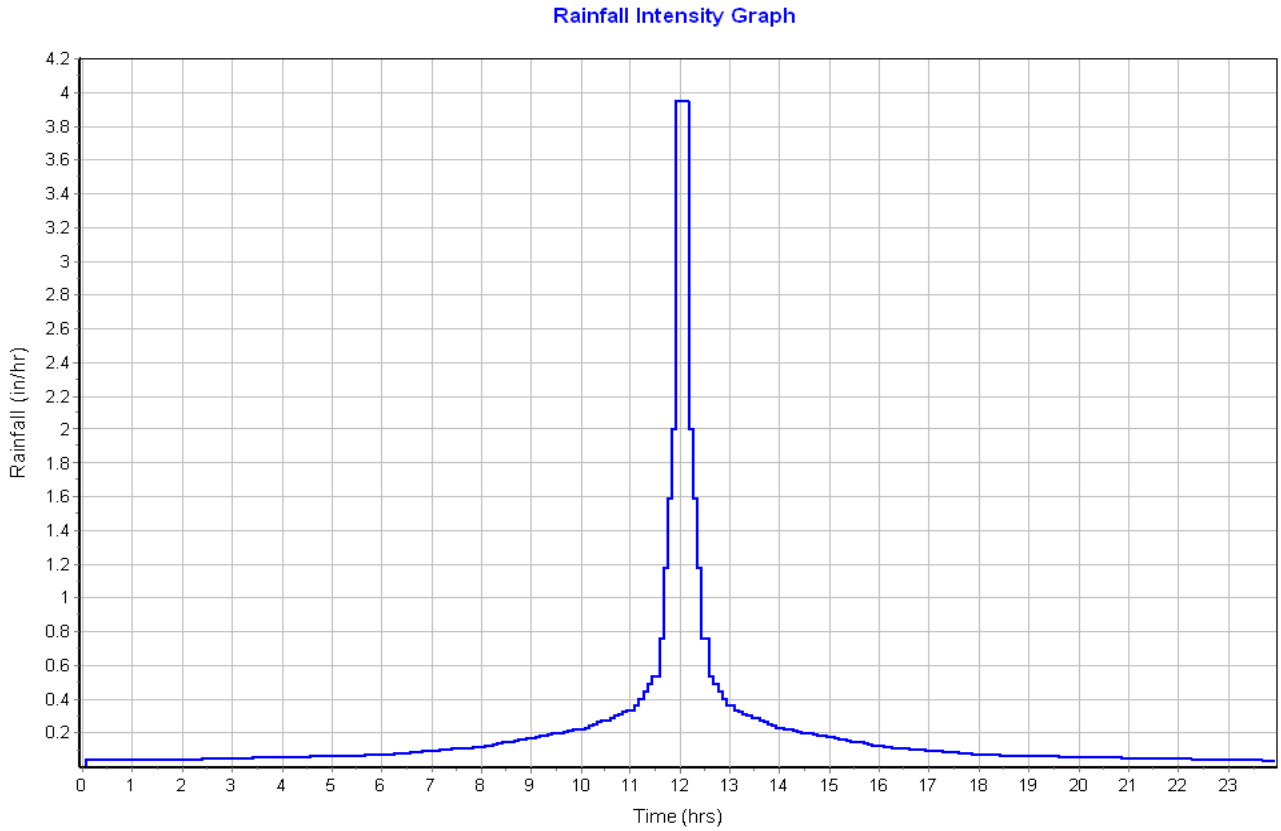
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	758	0.00	0.00
Slope (%) :	.758	0.00	0.00
Surface Type :	Grass pasture	Unpaved	Unpaved
Velocity (ft/sec) :	0.61	0.00	0.00
Computed Flow Time (min) :	20.71	0.00	0.00

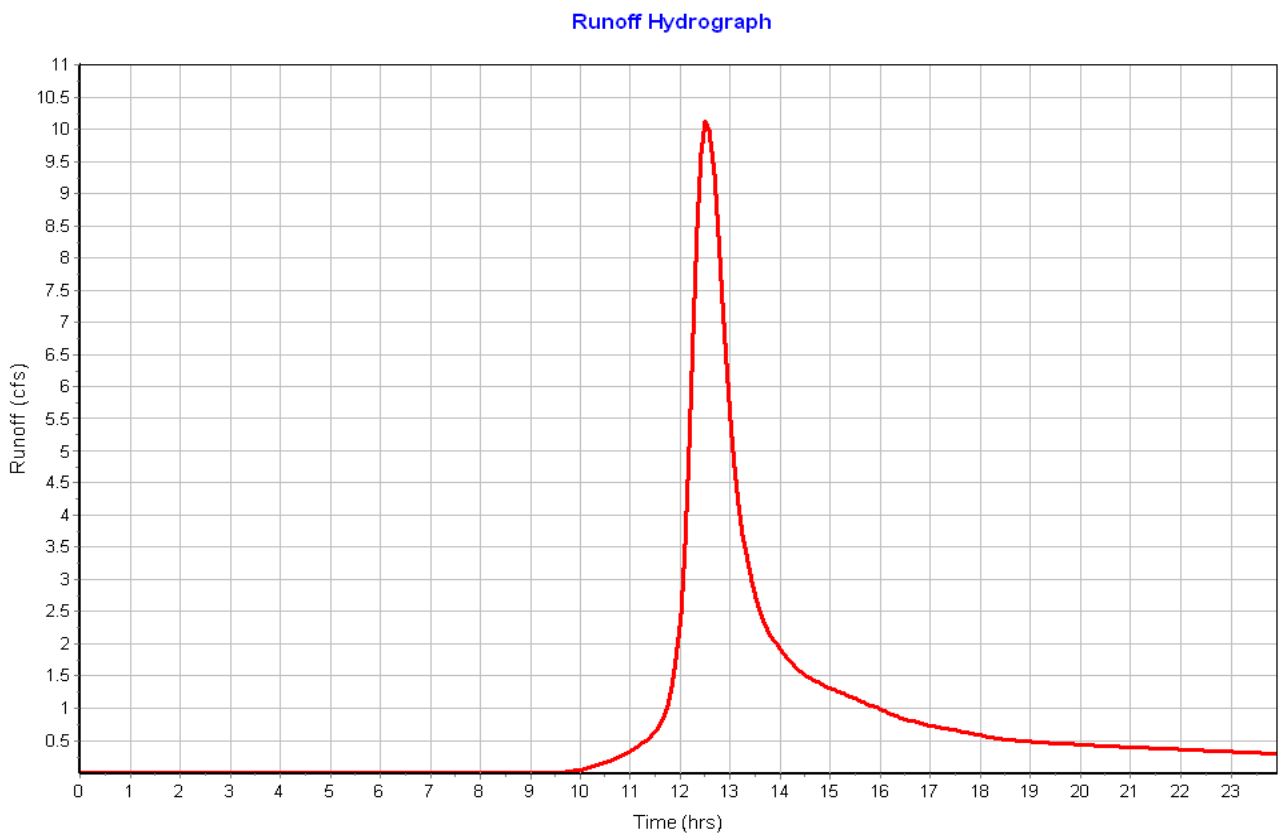
Total TOC (min) 43.40

Subbasin Runoff Results

Total Rainfall (in) 4.70
Total Runoff (in) 2.07
Peak Runoff (cfs) 10.12
Weighted Curve Number 73.22
Time of Concentration (days hh:mm:ss) 0 00:43:24

Subbasin : B


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : C

Input Data

Area (ac) 0.35
Weighted Curve Number 74.60
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.03	D	77.00
Woods, Good	0.04	D	77.00
Brush, Good	0.08	D	73.00
Brush, Good	0.13	D	73.00
Woods, Good	0.07	D	77.00
Composite Area & Weighted CN	0.35		74.60

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	87	0.00	0.00
Slope (%) :	10.35	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.14	0.00	0.00
Computed Flow Time (min) :	10.28	0.00	0.00

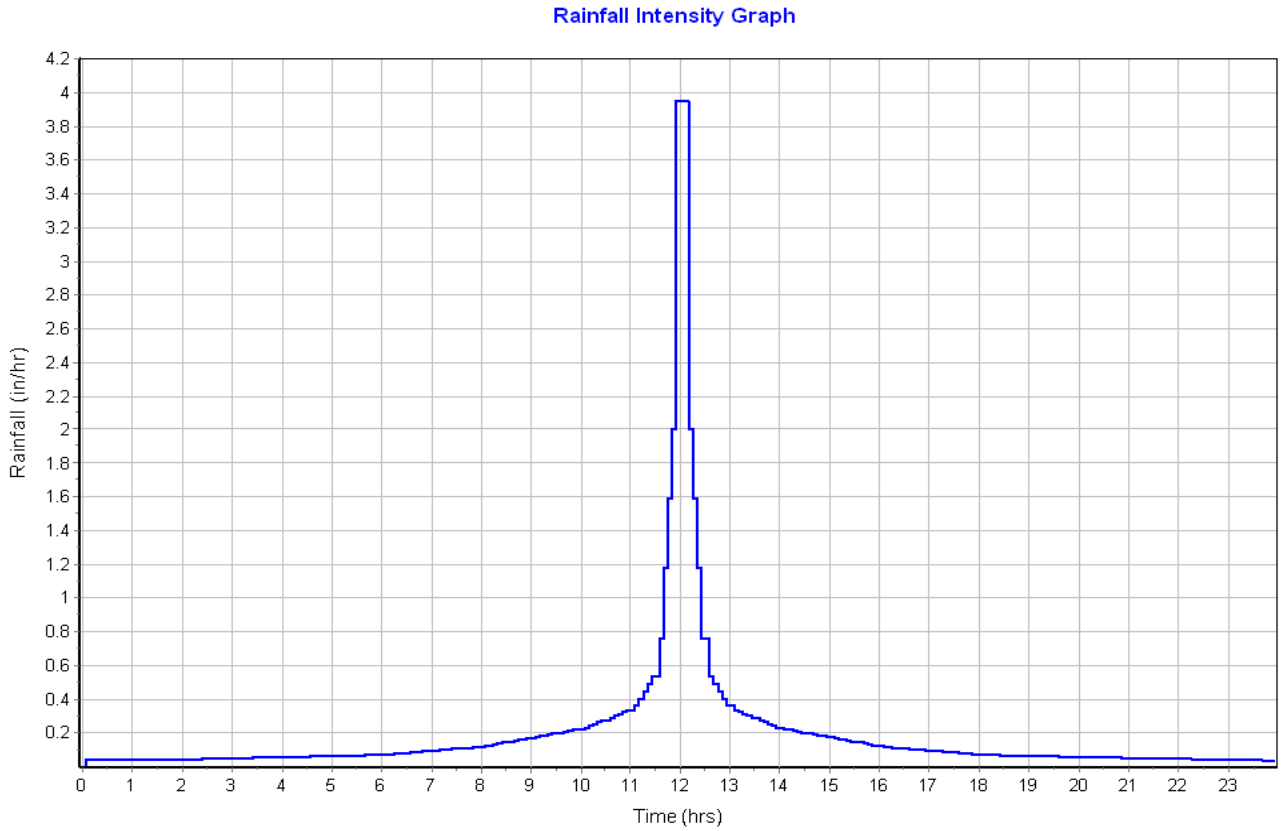
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	313	0.00	0.00
Slope (%) :	2.3	0.00	0.00
Surface Type :	Grass pasture	Unpaved	Unpaved
Velocity (ft/sec) :	1.06	0.00	0.00
Computed Flow Time (min) :	4.92	0.00	0.00

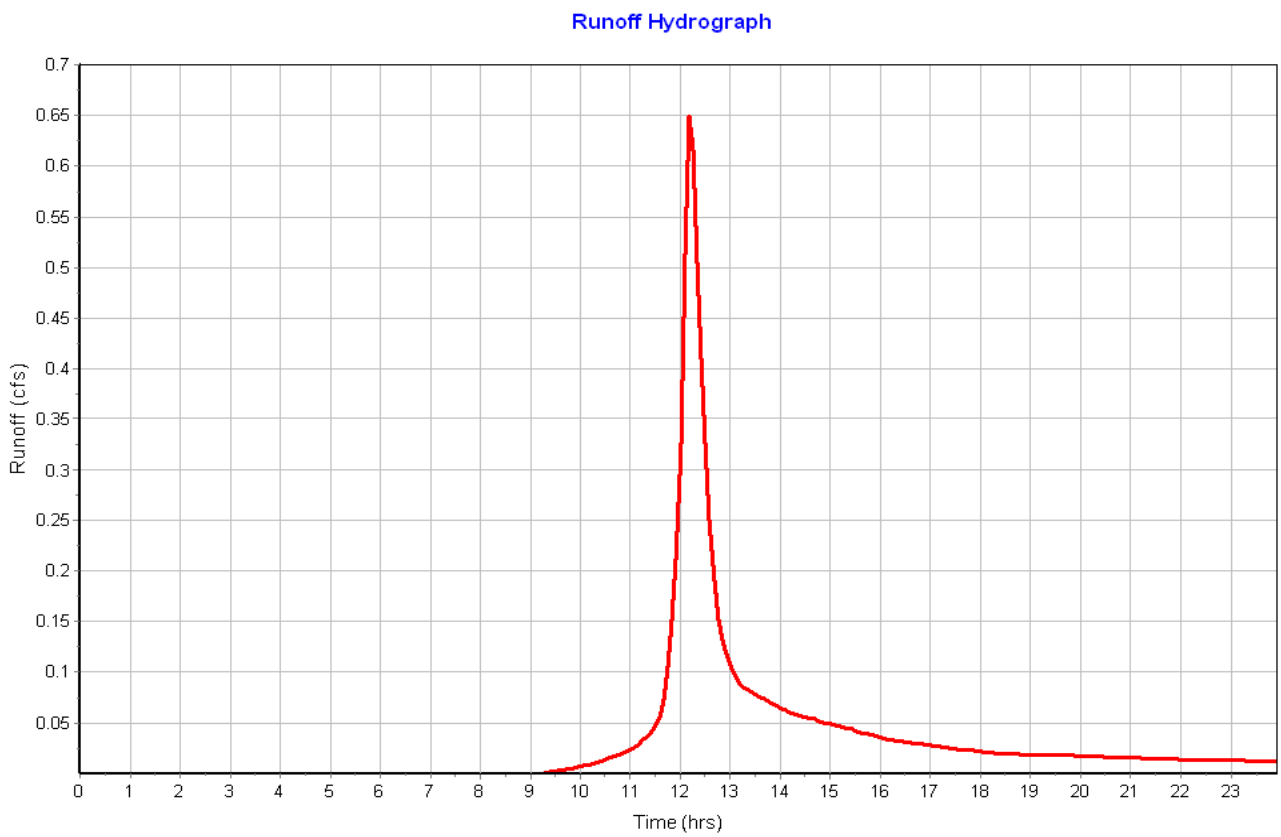
Total TOC (min) 15.20

Subbasin Runoff Results

Total Rainfall (in) 4.70
Total Runoff (in) 2.18
Peak Runoff (cfs) 0.66
Weighted Curve Number 74.60
Time of Concentration (days hh:mm:ss) 0 00:15:12

Subbasin : C


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : D

Input Data

Area (ac) 0.12
Weighted Curve Number 77.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.12	D	77.00
Composite Area & Weighted CN	0.12		77.00

Time of Concentration

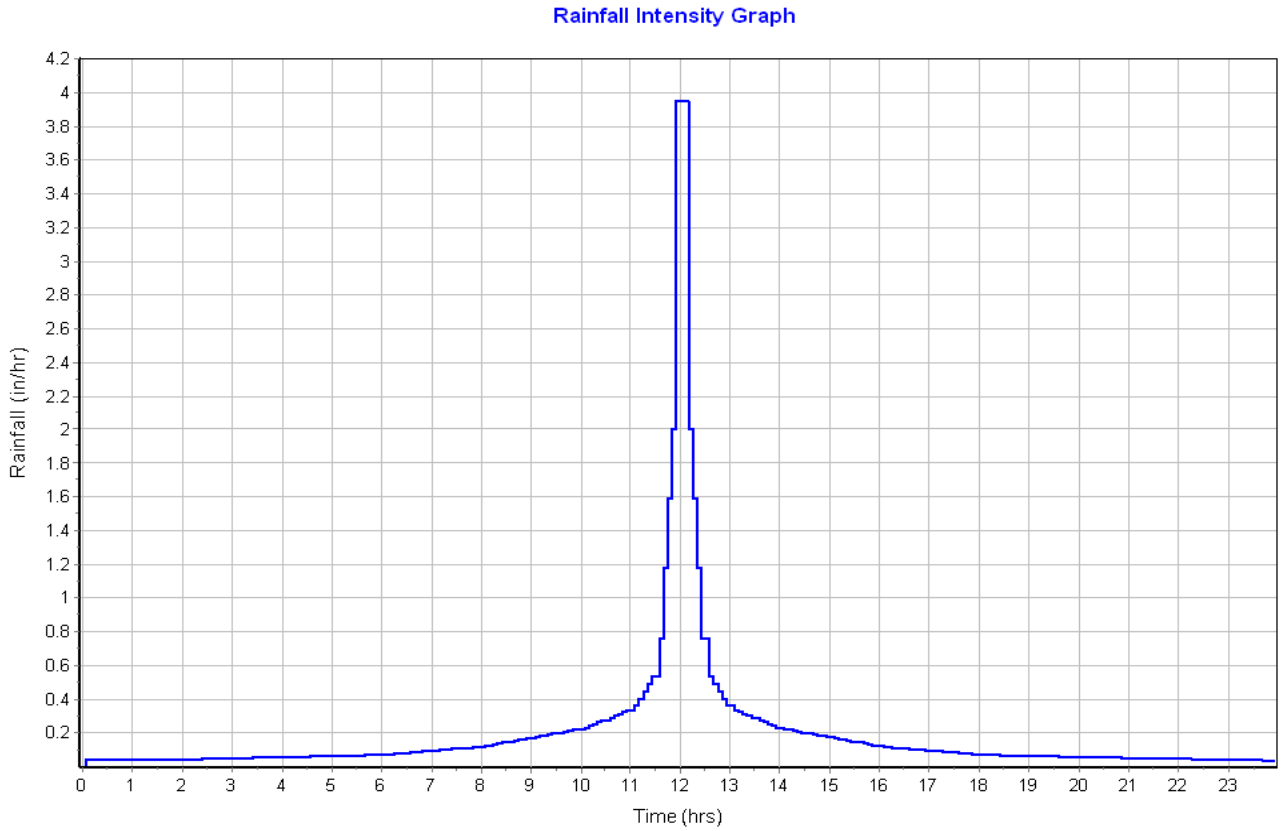
Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	36	0.00	0.00
Slope (%) :	5.55	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.09	0.00	0.00
Computed Flow Time (min) :	6.51	0.00	0.00

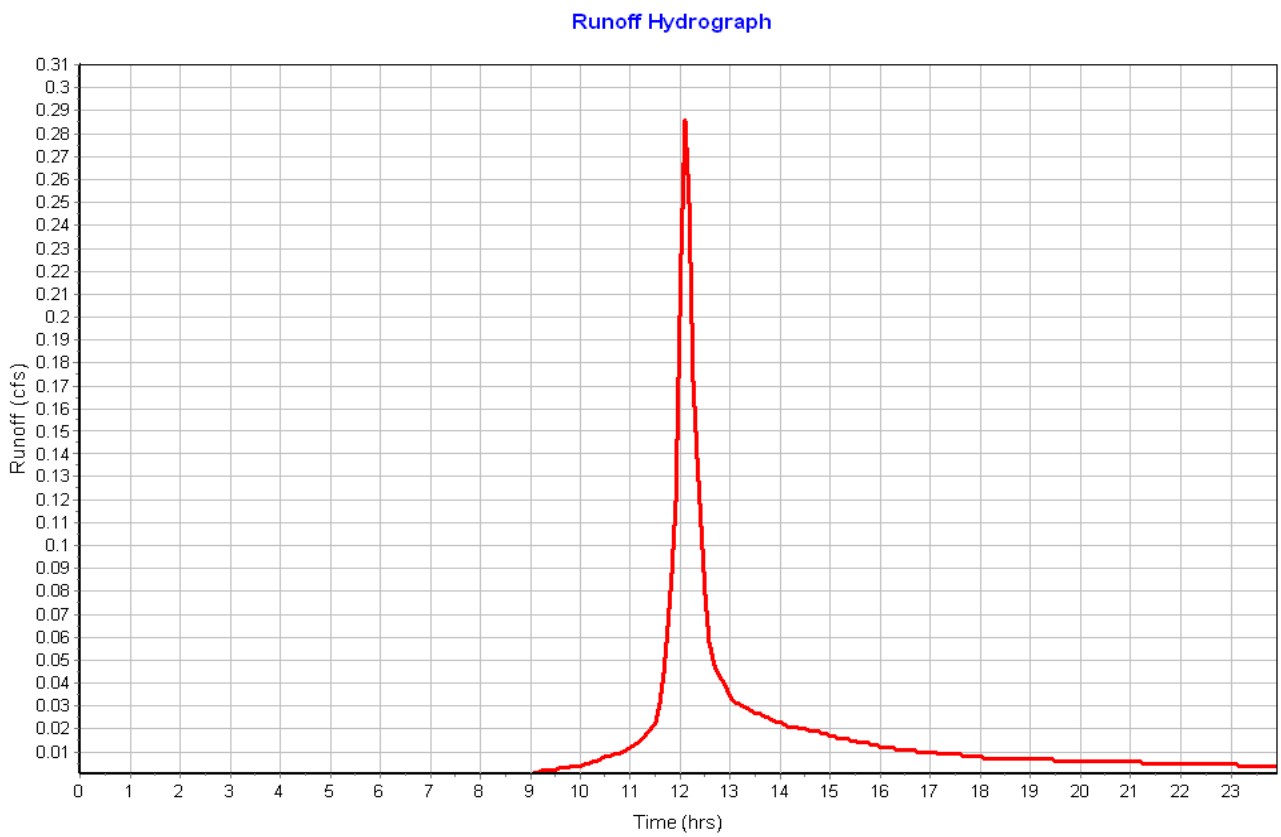
Total TOC (min) 6.51

Subbasin Runoff Results

Total Rainfall (in) 4.70
Total Runoff (in) 2.37
Peak Runoff (cfs) 0.30
Weighted Curve Number 77.00
Time of Concentration (days hh:mm:ss) 0 00:06:31

Subbasin : D


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Project Description

File Name ..... Existing Conditions.SPF

Project Options

Flow Units ..... CFS
Elevation Type ..... Elevation
Hydrology Method ..... SCS TR-55
Time of Concentration (TOC) Method ..... SCS TR-55
Link Routing Method ..... Kinematic Wave
Enable Overflow Ponding at Nodes ..... YES
Skip Steady State Analysis Time Periods ..... NO

Analysis Options

Start Analysis On ..... Aug 10, 2017 00:00:00
End Analysis On ..... Aug 11, 2017 00:00:00
Start Reporting On ..... Aug 10, 2017 00:00:00
Antecedent Dry Days ..... 0 days
Runoff (Dry Weather) Time Step ..... 0 01:00:00 days hh:mm:ss
Runoff (Wet Weather) Time Step ..... 0 00:05:00 days hh:mm:ss
Reporting Time Step ..... 0 00:05:00 days hh:mm:ss
Routing Time Step ..... 30 seconds

Number of Elements

	Qty
Rain Gages	1
Subbasins	4
Nodes	4
Junctions	0
Outfalls	4
Flow Diversions	0
Inlets	0
Storage Nodes	0
Links	0
Channels	0
Pipes	0
Pumps	0
Orifices	0
Weirs	0
Outlets	0
Pollutants	0
Land Uses	0

Rainfall Details

SN	Rain Gage ID	Data Source	Data Source ID	Rainfall Type	Rain Units	State	County	Return Period (years)	Rainfall Depth (inches)	Rainfall Distribution
1	Rain Gage-01	Time Series	TS-25	Cumulative	inches	Maine	Cumberland (Southeast)	25	5.50	SCS Type III 24-hr

Subbasin Summary

Subbasin ID	Area (ac)	Weighted Curve Number	Total Rainfall (in)	Total Runoff (in)	Total Runoff Volume (ac-in)	Peak Runoff (cfs)	Time of Concentration (days hh:mm:ss)
A	3.70	73.41	5.50	2.72	10.05	7.51	0 00:23:04
B	8.76	73.22	5.50	2.70	23.65	13.36	0 00:43:24
C	0.35	74.60	5.50	2.82	0.99	0.86	0 00:15:12
D	0.12	77.00	5.50	3.04	0.37	0.38	0 00:06:30

Subbasin Hydrology

Subbasin : A

Input Data

Area (ac) 3.70
Weighted Curve Number 73.41
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.38	D	77.00
Brush, Good	3.32	D	73.00
Composite Area & Weighted CN	3.70		73.41

Time of Concentration

TOC Method : SCS TR-55

Sheet Flow Equation :

Tc = (0.007 * ((n * Lf)^0.8)) / ((P^0.5) * (Sf^0.4))

Where :

Tc = Time of Concentration (hr)
n = Manning's roughness
Lf = Flow Length (ft)
P = 2 yr, 24 hr Rainfall (inches)
Sf = Slope (ft/ft)

Shallow Concentrated Flow Equation :

V = 16.1345 * (Sf^0.5) (unpaved surface)
V = 20.3282 * (Sf^0.5) (paved surface)
V = 15.0 * (Sf^0.5) (grassed waterway surface)
V = 10.0 * (Sf^0.5) (nearly bare & untilled surface)
V = 9.0 * (Sf^0.5) (cultivated straight rows surface)
V = 7.0 * (Sf^0.5) (short grass pasture surface)
V = 5.0 * (Sf^0.5) (woodland surface)
V = 2.5 * (Sf^0.5) (forest w/heavy litter surface)
Tc = (Lf / V) / (3600 sec/hr)

Where:

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)

Channel Flow Equation :

V = (1.49 * (R^(2/3)) * (Sf^0.5)) / n
R = Aq / Wp
Tc = (Lf / V) / (3600 sec/hr)

Where :

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
R = Hydraulic Radius (ft)
Aq = Flow Area (ft^2)
Wp = Wetted Perimeter (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)
n = Manning's roughness

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	14.36	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.12	0.00	0.00
Computed Flow Time (min) :	13.94	0.00	0.00

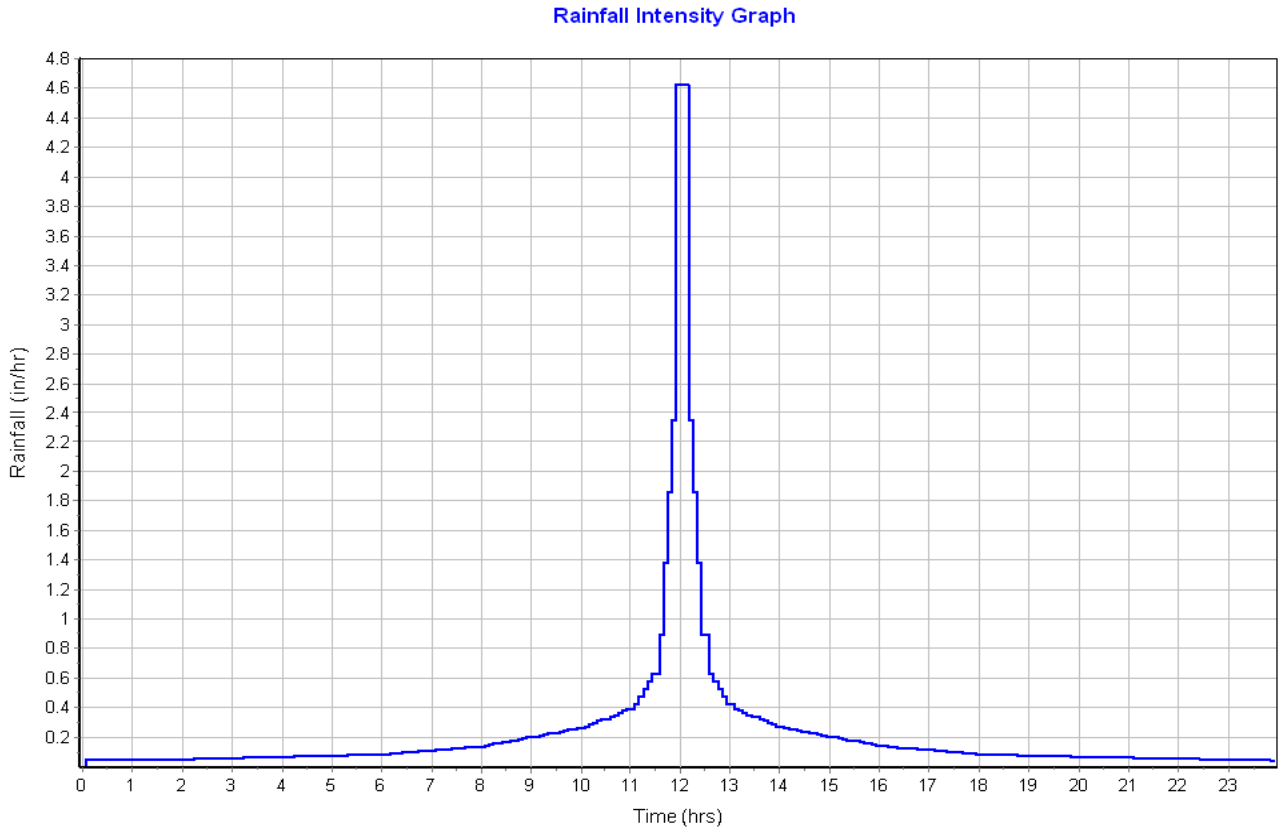
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	625	0.00	0.00
Slope (%) :	.582	0.00	0.00
Surface Type :	Grassed waterway	Unpaved	Unpaved
Velocity (ft/sec) :	1.14	0.00	0.00
Computed Flow Time (min) :	9.14	0.00	0.00

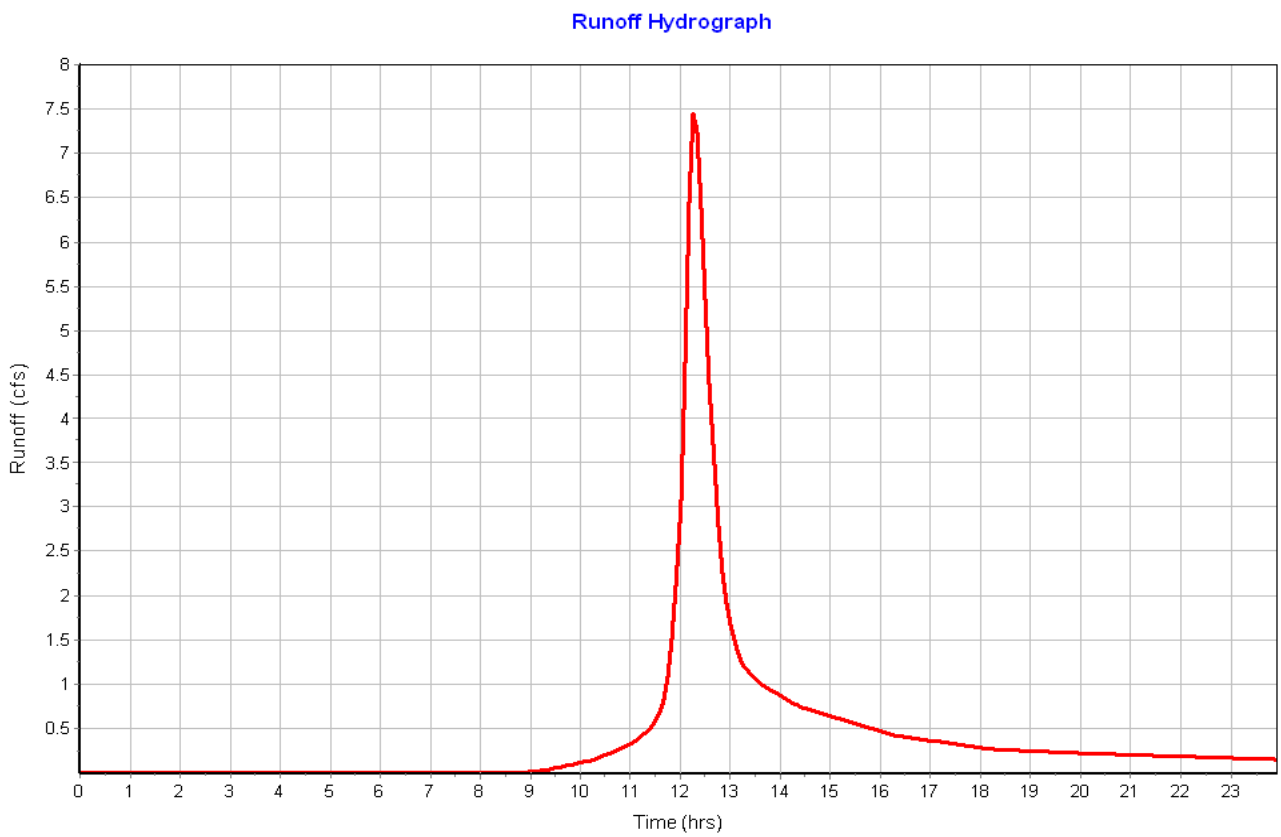
Total TOC (min) 23.08

Subbasin Runoff Results

Total Rainfall (in) 5.50
Total Runoff (in) 2.72
Peak Runoff (cfs) 7.51
Weighted Curve Number 73.41
Time of Concentration (days hh:mm:ss) 0 00:23:05

Subbasin : A


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : B

Input Data

Area (ac) 8.76
Weighted Curve Number 73.22
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Brush, Good	8.27	D	73.00
Woods, Good	0.49	D	77.00
Composite Area & Weighted CN	8.76		73.22

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	4.25	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.07	0.00	0.00
Computed Flow Time (min) :	22.69	0.00	0.00

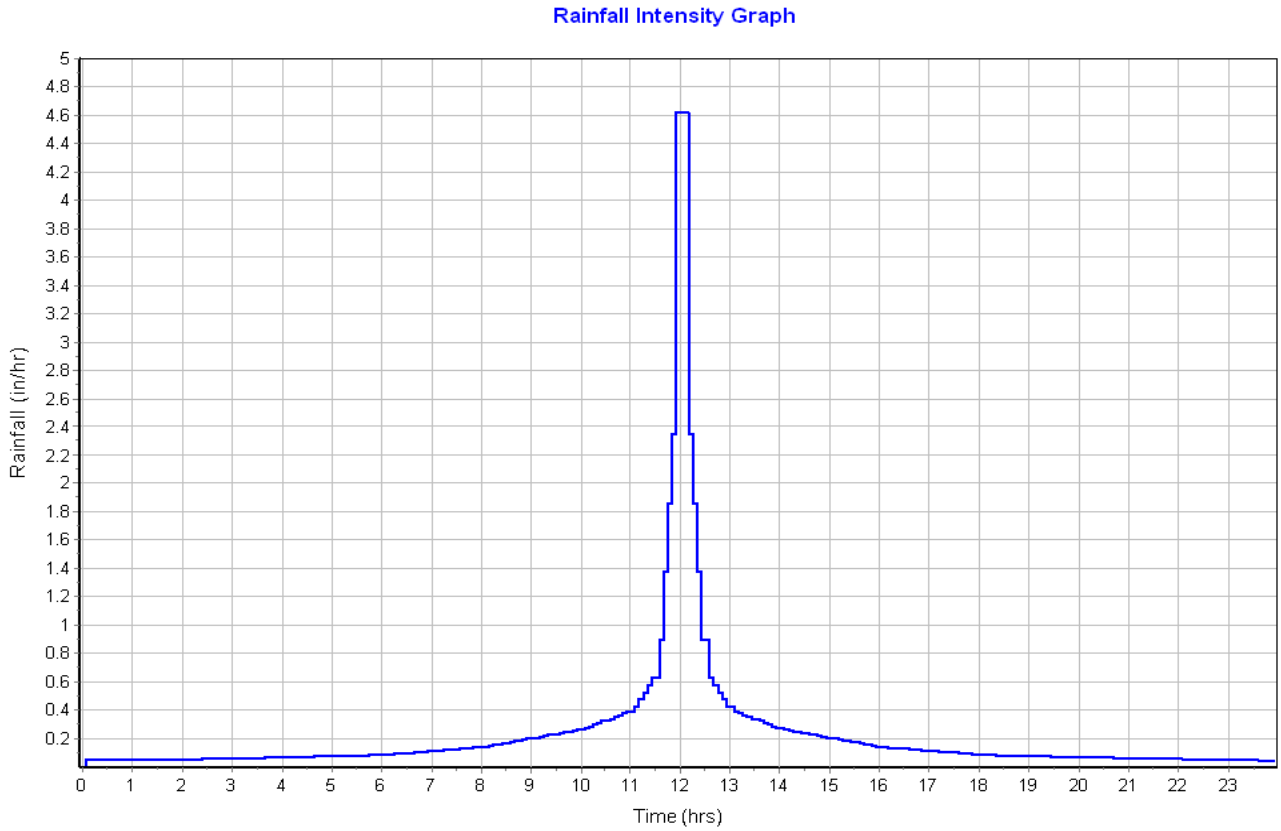
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	758	0.00	0.00
Slope (%) :	.758	0.00	0.00
Surface Type :	Grass pasture	Unpaved	Unpaved
Velocity (ft/sec) :	0.61	0.00	0.00
Computed Flow Time (min) :	20.71	0.00	0.00

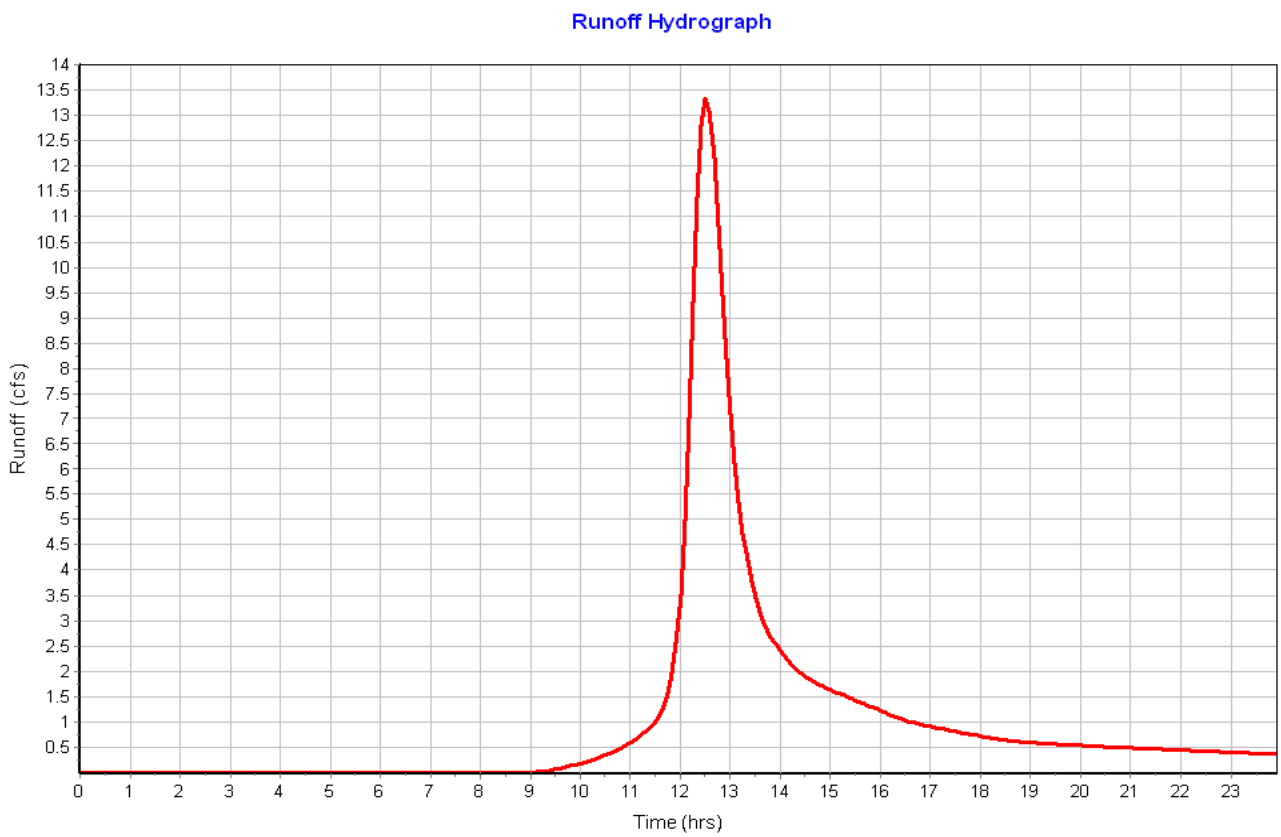
Total TOC (min) 43.40

Subbasin Runoff Results

Total Rainfall (in) 5.50
Total Runoff (in) 2.70
Peak Runoff (cfs) 13.36
Weighted Curve Number 73.22
Time of Concentration (days hh:mm:ss) 0 00:43:24

Subbasin : B


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : C

Input Data

Area (ac) 0.35
Weighted Curve Number 74.60
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.03	D	77.00
Woods, Good	0.04	D	77.00
Brush, Good	0.08	D	73.00
Brush, Good	0.13	D	73.00
Woods, Good	0.07	D	77.00
Composite Area & Weighted CN	0.35		74.60

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	87	0.00	0.00
Slope (%) :	10.35	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.14	0.00	0.00
Computed Flow Time (min) :	10.28	0.00	0.00

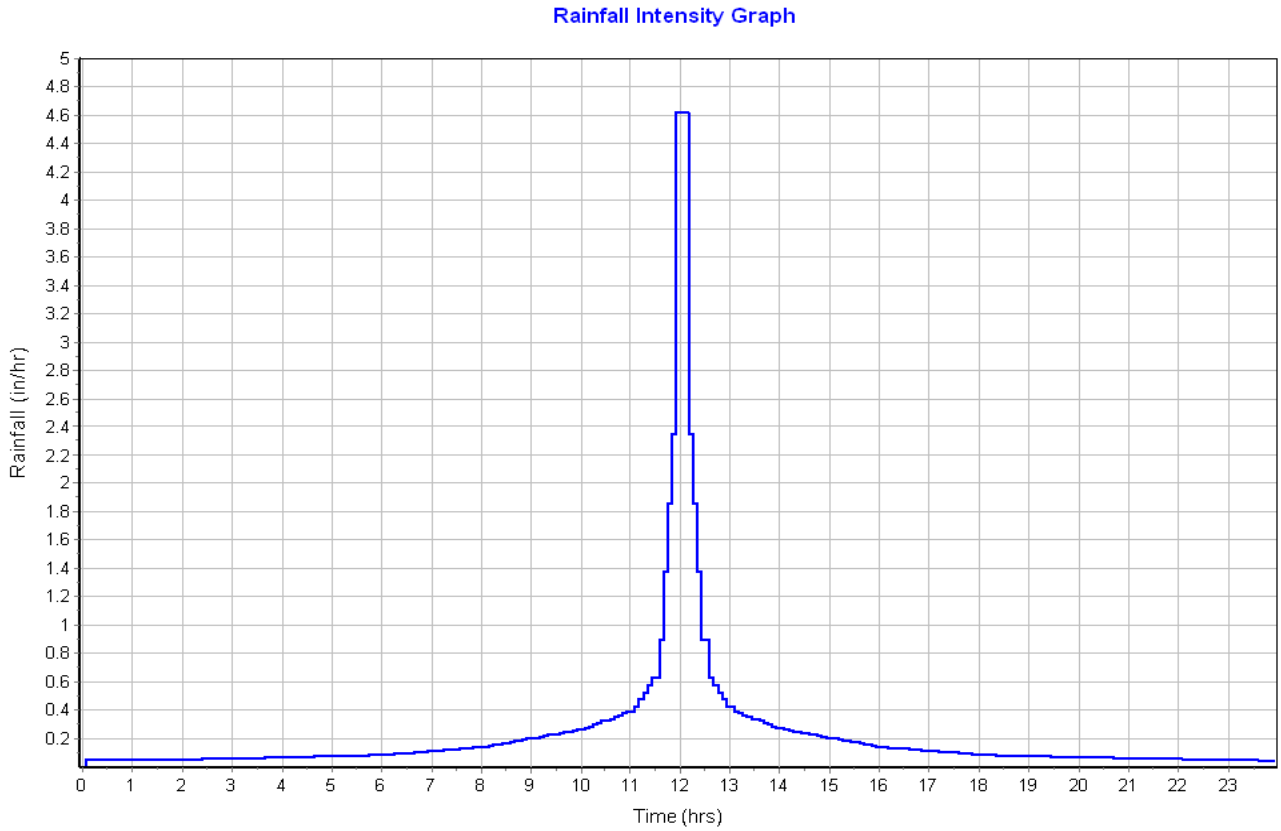
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	313	0.00	0.00
Slope (%) :	2.3	0.00	0.00
Surface Type :	Grass pasture	Unpaved	Unpaved
Velocity (ft/sec) :	1.06	0.00	0.00
Computed Flow Time (min) :	4.92	0.00	0.00

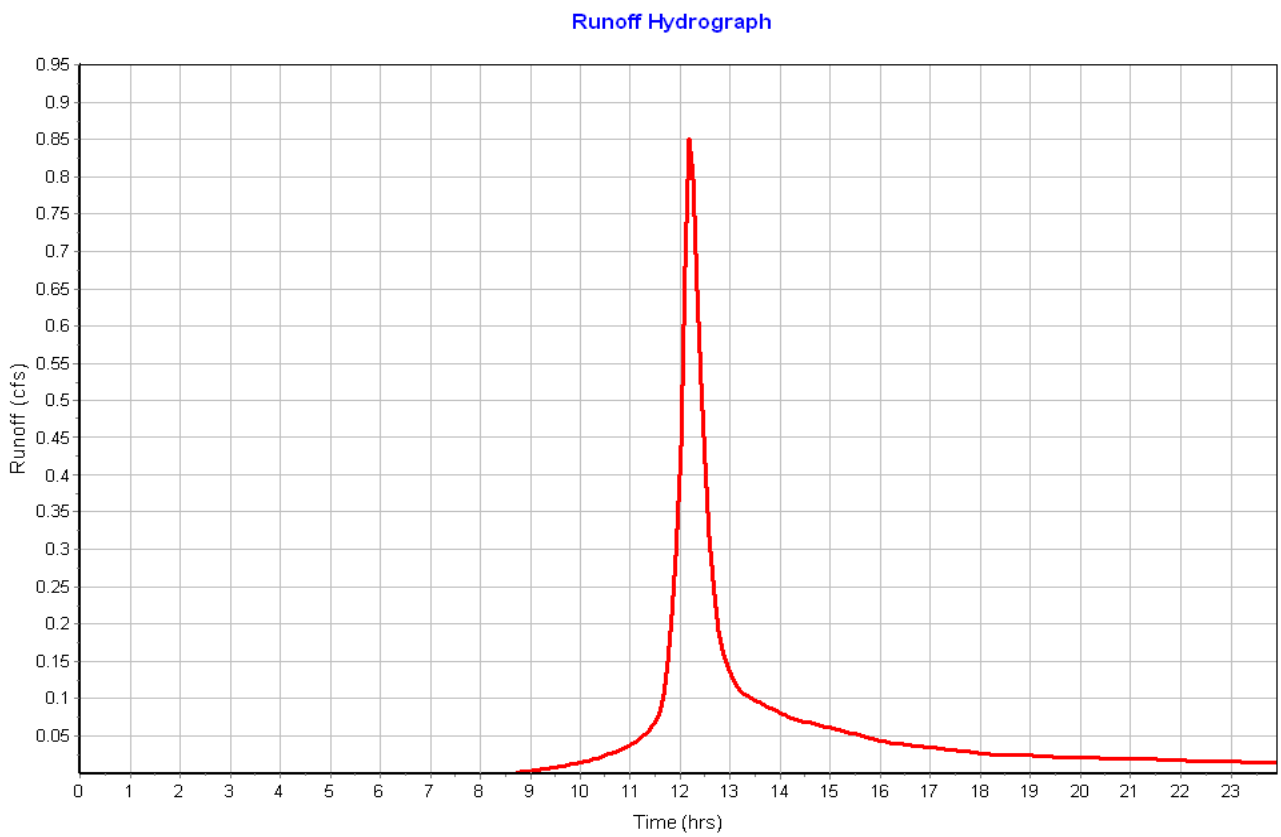
Total TOC (min) 15.20

Subbasin Runoff Results

Total Rainfall (in) 5.50
Total Runoff (in) 2.82
Peak Runoff (cfs) 0.86
Weighted Curve Number 74.60
Time of Concentration (days hh:mm:ss) 0 00:15:12

Subbasin : C


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : D

Input Data

Area (ac) 0.12
Weighted Curve Number 77.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.12	D	77.00
Composite Area & Weighted CN	0.12		77.00

Time of Concentration

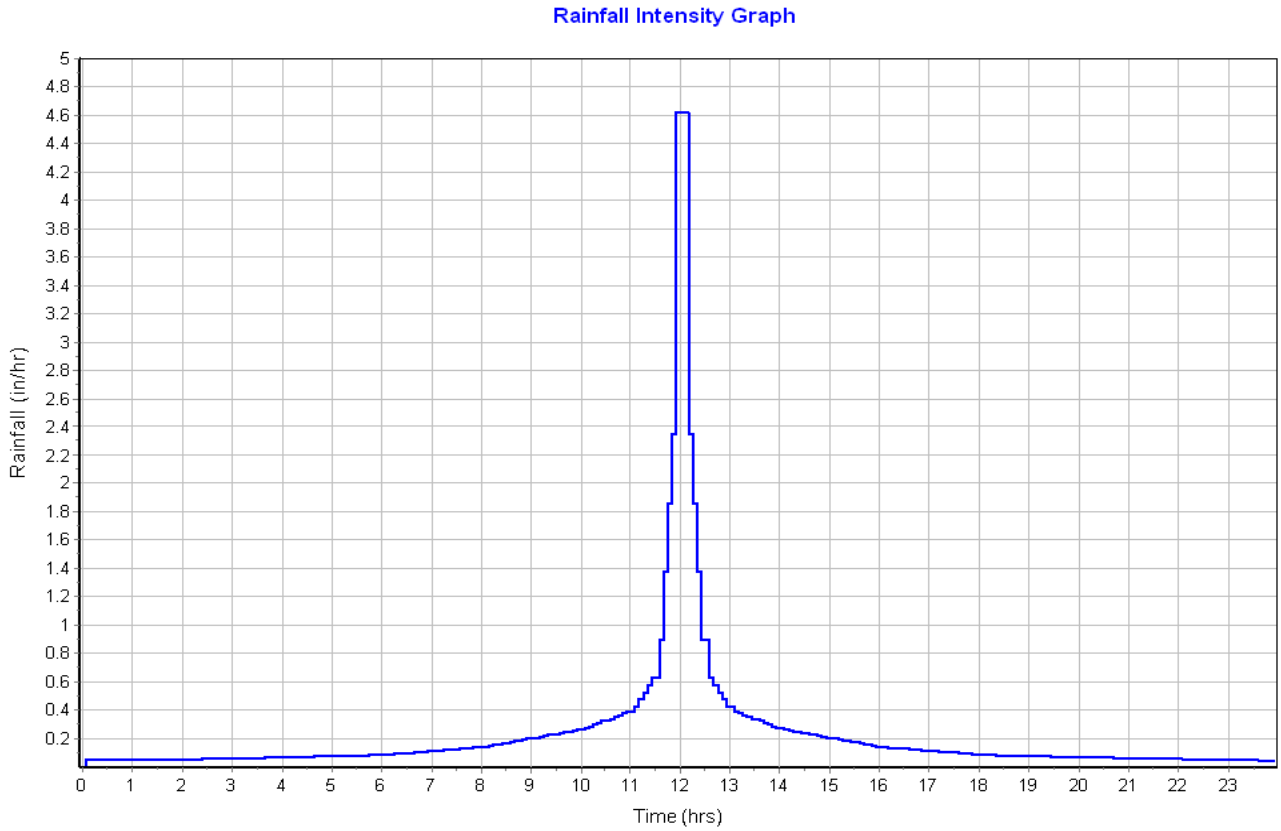
Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	36	0.00	0.00
Slope (%) :	5.55	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.09	0.00	0.00
Computed Flow Time (min) :	6.51	0.00	0.00

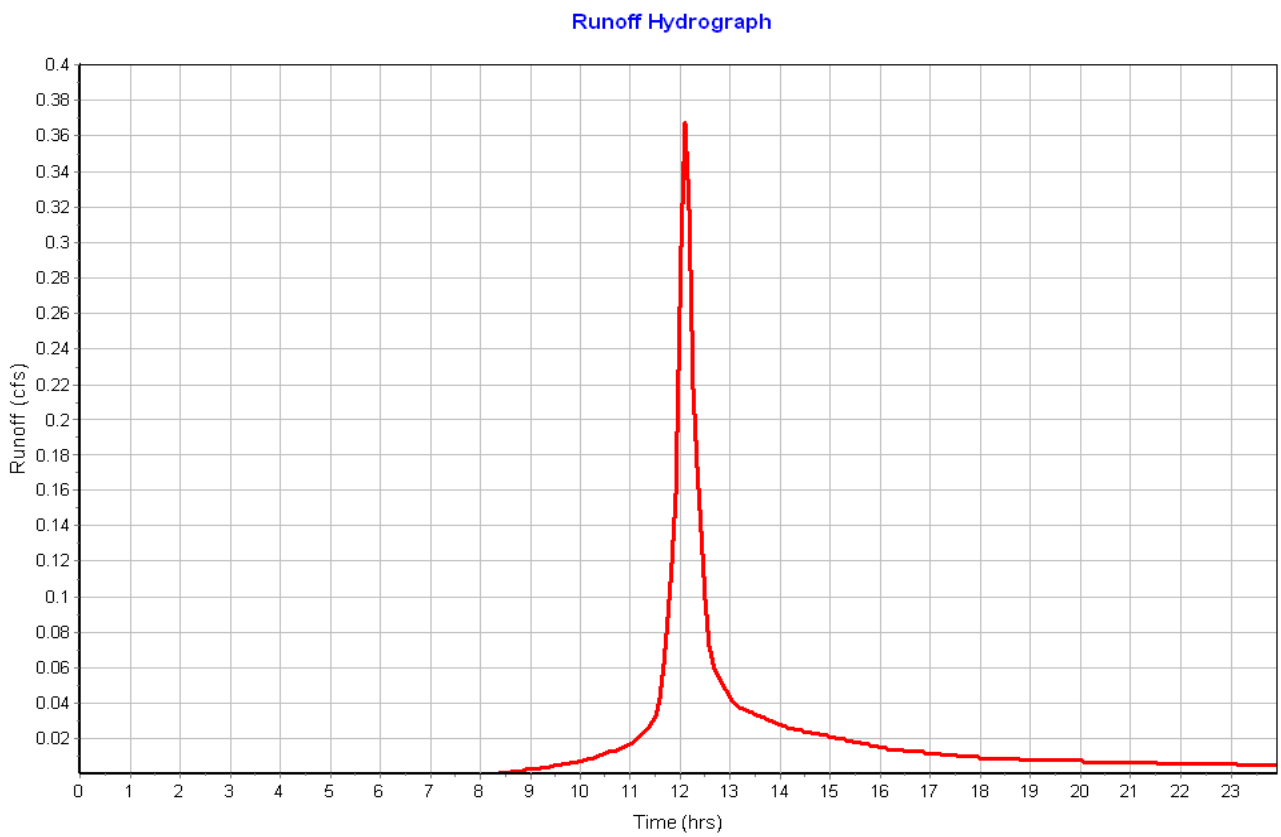
Total TOC (min) 6.51

Subbasin Runoff Results

Total Rainfall (in) 5.50
Total Runoff (in) 3.04
Peak Runoff (cfs) 0.38
Weighted Curve Number 77.00
Time of Concentration (days hh:mm:ss) 0 00:06:31

Subbasin : D


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Project Description

File Name ..... Proposed Conditions_SMT.SPF

Project Options

Flow Units ..... CFS
Elevation Type ..... Elevation
Hydrology Method ..... SCS TR-55
Time of Concentration (TOC) Method ..... SCS TR-55
Link Routing Method ..... Kinematic Wave
Enable Overflow Ponding at Nodes ..... YES
Skip Steady State Analysis Time Periods ..... NO

Analysis Options

Start Analysis On ..... Aug 15, 2017 00:00:00
End Analysis On ..... Aug 17, 2017 00:00:00
Start Reporting On ..... Aug 15, 2017 00:00:00
Antecedent Dry Days ..... 0 days
Runoff (Dry Weather) Time Step ..... 0 01:00:00 days hh:mm:ss
Runoff (Wet Weather) Time Step ..... 0 00:05:00 days hh:mm:ss
Reporting Time Step ..... 0 00:05:00 days hh:mm:ss
Routing Time Step ..... 30 seconds

Number of Elements

	Qty
Rain Gages	1
Subbasins	6
Nodes	7
Junctions	2
Outfalls	5
Flow Diversions	0
Inlets	0
Storage Nodes	0
Links	2
Channels	0
Pipes	2
Pumps	0
Orifices	0
Weirs	0
Outlets	0
Pollutants	0
Land Uses	0

Rainfall Details

SN	Rain Gage ID	Data Source	Data Source ID	Rainfall Type	Rain Units	State	County	Return Period (years)	Rainfall Depth (inches)	Rainfall Distribution
1	Rain Gage-01	Time Series	TS-02	Cumulative	inches	Maine	Cumberland (Southeast)	2	3.00	SCS Type III 24-hr

Subbasin Summary

Subbasin ID	Area (ac)	Weighted Curve Number	Total Rainfall (in)	Total Runoff (in)	Total Runoff Volume (ac-in)	Peak Runoff (cfs)	Time of Concentration (days hh:mm:ss)
A	3.95	74.46	3.00	0.93	3.68	2.33	0 00:29:55
B-1	2.55	66.95	3.00	0.58	1.49	1.30	0 00:07:01
B-2	7.03	70.54	3.00	0.74	5.20	1.84	0 01:17:51
C	0.21	75.29	3.00	0.98	0.20	0.15	0 00:20:30
CulvertDrainageArea	0.68	75.00	3.00	0.96	0.65	0.67	0 00:05:00
D	0.12	77.00	3.00	1.07	0.13	0.13	0 00:06:30

Node Summary

Element ID	Element Type	Invert Elevation (ft)	Peak Inflow (cfs)
CulvertInlet	Junction	181.00	0.64
Out_B1andB2	Junction	176.00	2.06
CulvertOutlet	Outfall	180.35	0.64
OUT-A	Outfall	180.00	2.31
OUT-B	Outfall	176.00	2.06
OUT-C	Outfall	178.00	0.15
OUT-D	Outfall	190.82	0.12

Link Summary

Element ID	Element Type	From (Inlet) Node	To (Outlet) Node	Length	Inlet Invert Elevation	Outlet Invert Elevation	Average Slope	Diameter or Height	Manning's Roughness	Peak Flow	Design Flow Capacity	Peak Flow Velocity	Peak Flow Depth
				(ft)	(ft)	(ft)	(%)	(in)		(cfs)	(cfs)	(ft/sec)	(ft)
Direct_to_OutB	Pipe	Out_B1andB2	OUT-B	1715.96	0.00	0.00	0.0000	0.000	0.0150	2.06	0.00	0.00	0.00
Link-03	Pipe	CulvertInlet	CulvertOutlet	45.00	181.00	180.55	1.0000	15.000	0.0150	0.64	5.60	3.04	0.29

Subbasin Hydrology

Subbasin : A

Input Data

Area (ac) 3.95
Weighted Curve Number 74.46
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.33	D	77.00
Gravel roads	0.10	D	91.00
> 75% grass cover, Good	0.38	D	80.00
Brush, Good	3.14	D	73.00
Composite Area & Weighted CN	3.95		74.46

Time of Concentration

TOC Method : SCS TR-55

Sheet Flow Equation :

Tc = (0.007 * ((n * Lf)^0.8)) / ((P^0.5) * (Sf^0.4))

Where :

Tc = Time of Concentration (hr)
n = Manning's roughness
Lf = Flow Length (ft)
P = 2 yr, 24 hr Rainfall (inches)
Sf = Slope (ft/ft)

Shallow Concentrated Flow Equation :

V = 16.1345 * (Sf^0.5) (unpaved surface)
V = 20.3282 * (Sf^0.5) (paved surface)
V = 15.0 * (Sf^0.5) (grassed waterway surface)
V = 10.0 * (Sf^0.5) (nearly bare & untilled surface)
V = 9.0 * (Sf^0.5) (cultivated straight rows surface)
V = 7.0 * (Sf^0.5) (short grass pasture surface)
V = 5.0 * (Sf^0.5) (woodland surface)
V = 2.5 * (Sf^0.5) (forest w/heavy litter surface)
Tc = (Lf / V) / (3600 sec/hr)

Where:

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)

Channel Flow Equation :

V = (1.49 * (R^(2/3)) * (Sf^0.5)) / n
R = Aq / Wp
Tc = (Lf / V) / (3600 sec/hr)

Where :

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
R = Hydraulic Radius (ft)
Aq = Flow Area (ft^2)
Wp = Wetted Perimeter (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)
n = Manning's roughness

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	45	0.00	0.00
Slope (%) :	50	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.23	0.00	0.00
Computed Flow Time (min) :	3.23	0.00	0.00

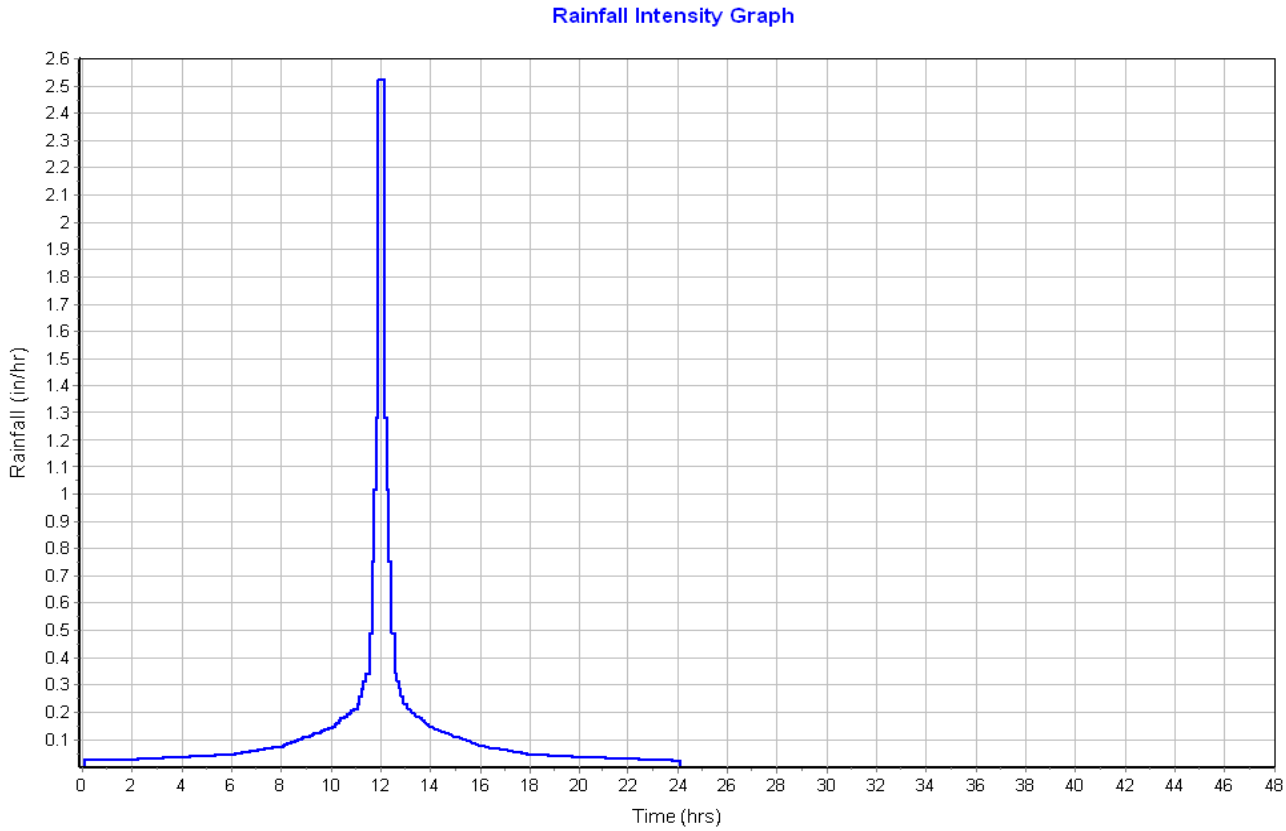
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	264	574	0.00
Slope (%) :	.76	.35	0.00
Surface Type :	Grassed waterway	Grass pasture	Unpaved
Velocity (ft/sec) :	1.31	0.41	0.00
Computed Flow Time (min) :	3.36	23.33	0.00

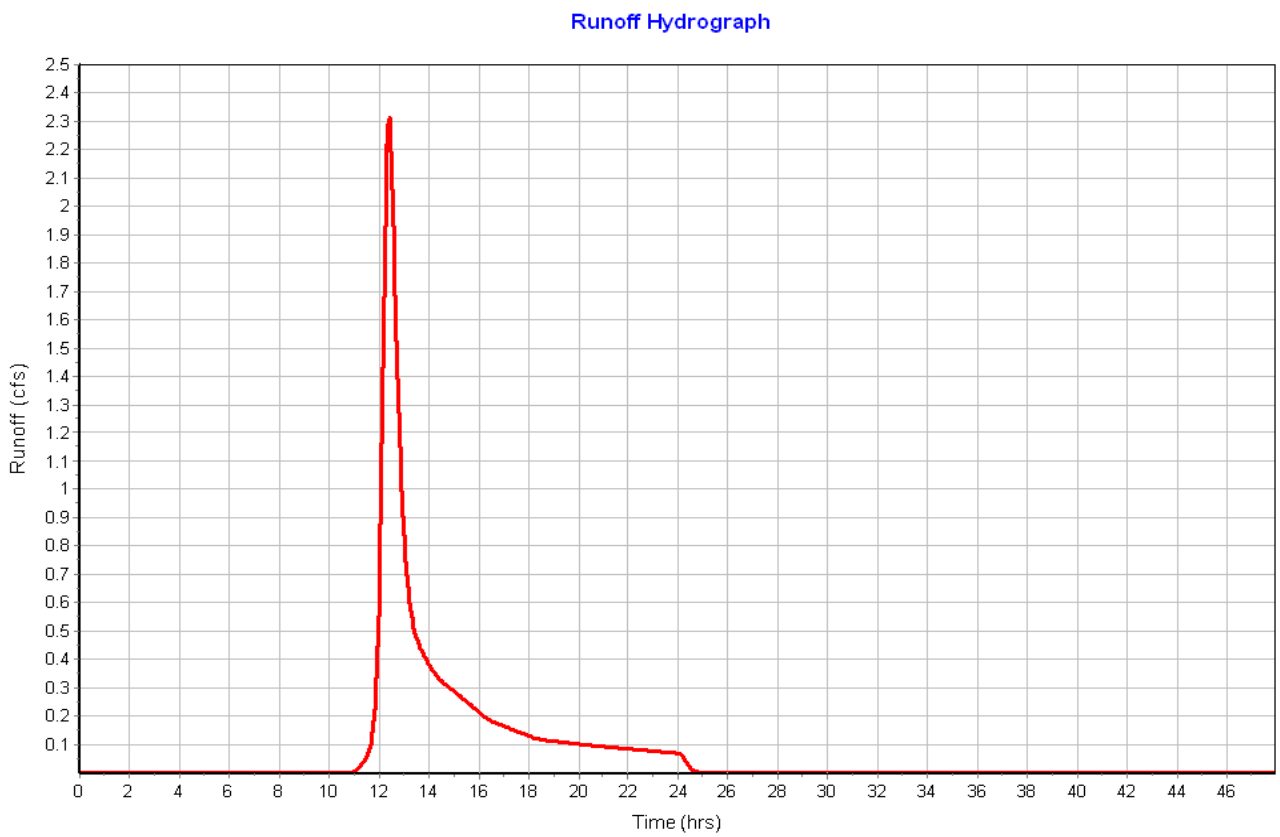
Total TOC (min) 29.92

Subbasin Runoff Results

Total Rainfall (in) 3.00
Total Runoff (in) 0.93
Peak Runoff (cfs) 2.33
Weighted Curve Number 74.46
Time of Concentration (days hh:mm:ss) 0 00:29:55

Subbasin : A


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : B-1

Input Data

Area (ac) 2.55
Weighted Curve Number 66.95
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Gravel-Pad	1.88	D	60.00
Rooftops	0.24	D	98.00
> 75% grass cover, Good	0.43	D	80.00
Composite Area & Weighted CN	2.55		66.95

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	38	0.00	0.00
Slope (%) :	50	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.22	0.00	0.00
Computed Flow Time (min) :	2.82	0.00	0.00

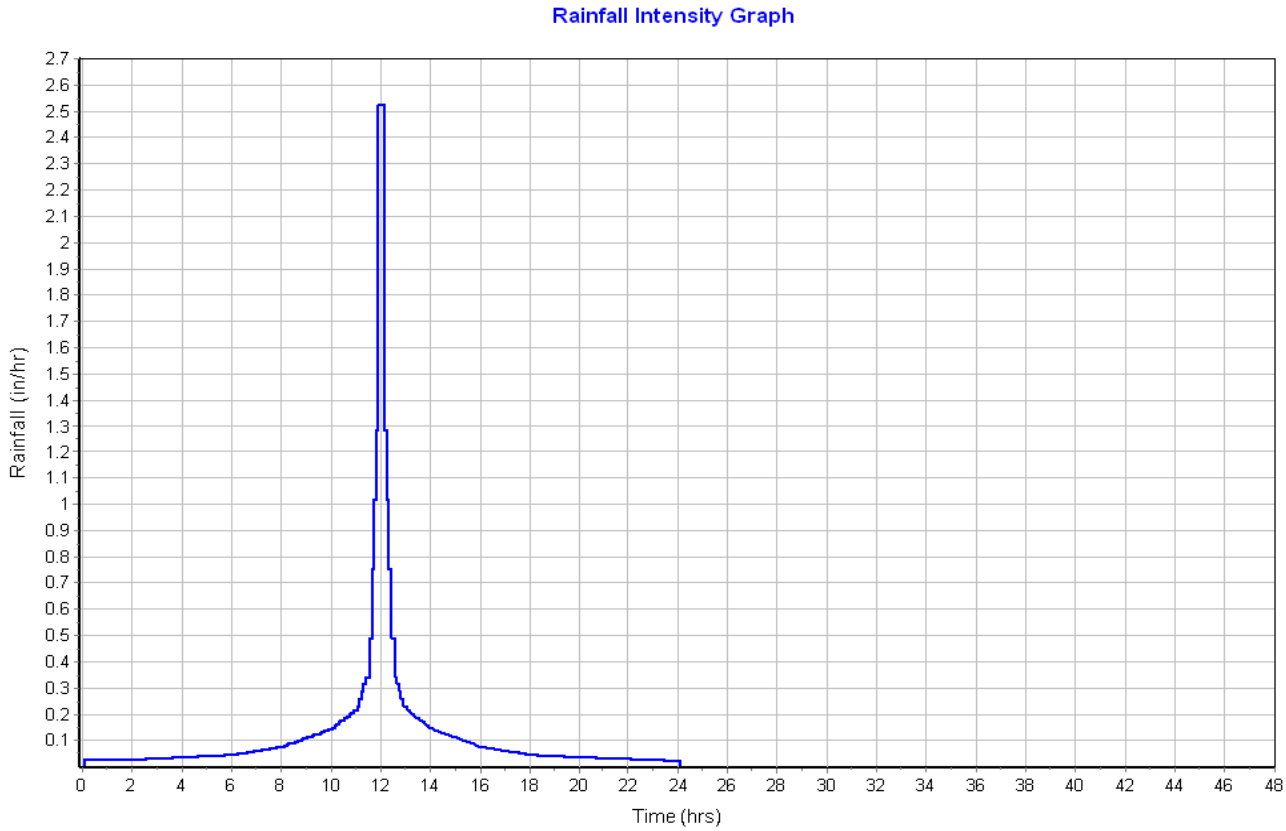
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	385	0.00	0.00
Slope (%) :	1.04	0.00	0.00
Surface Type :	Grassed waterway	Grass pasture	rass pasture
Velocity (ft/sec) :	1.53	0.00	0.00
Computed Flow Time (min) :	4.19	0.00	0.00

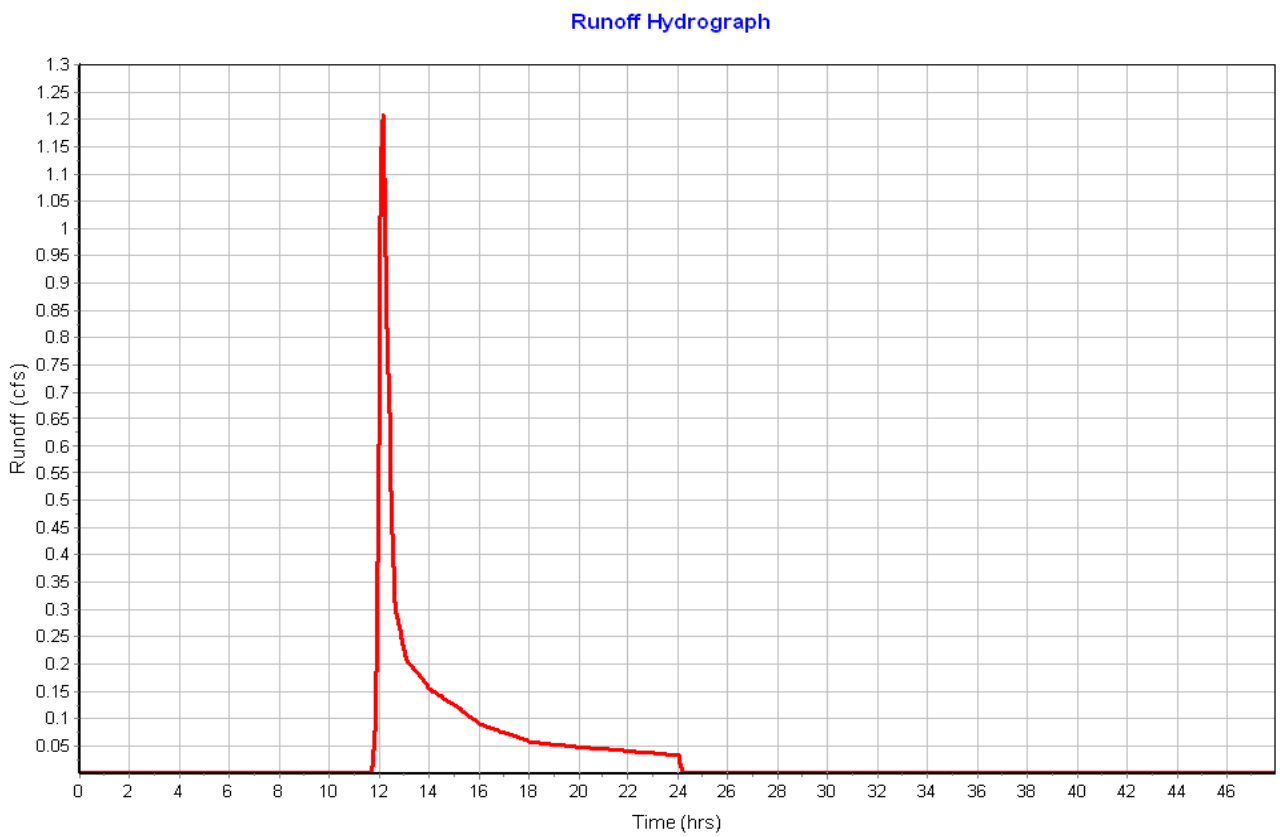
Total TOC (min) 7.02

Subbasin Runoff Results

Total Rainfall (in) 3.00
Total Runoff (in) 0.58
Peak Runoff (cfs) 1.30
Weighted Curve Number 66.95
Time of Concentration (days hh:mm:ss) 0 00:07:01

Subbasin : B-1


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : B-2

Input Data

Area (ac) 7.03
Weighted Curve Number 70.54
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Brush, Good	5.19	D	73.00
Gravel roads	0.05	D	91.00
> 75% grass cover, Good	0.16	D	80.00
Gravel_Pad	1.58	D	60.00
ConcreteFoundations	0.05	D	98.00
Composite Area & Weighted CN	7.03		70.54

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	.25	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.03	0.00	0.00
Computed Flow Time (min) :	50.95	0.00	0.00

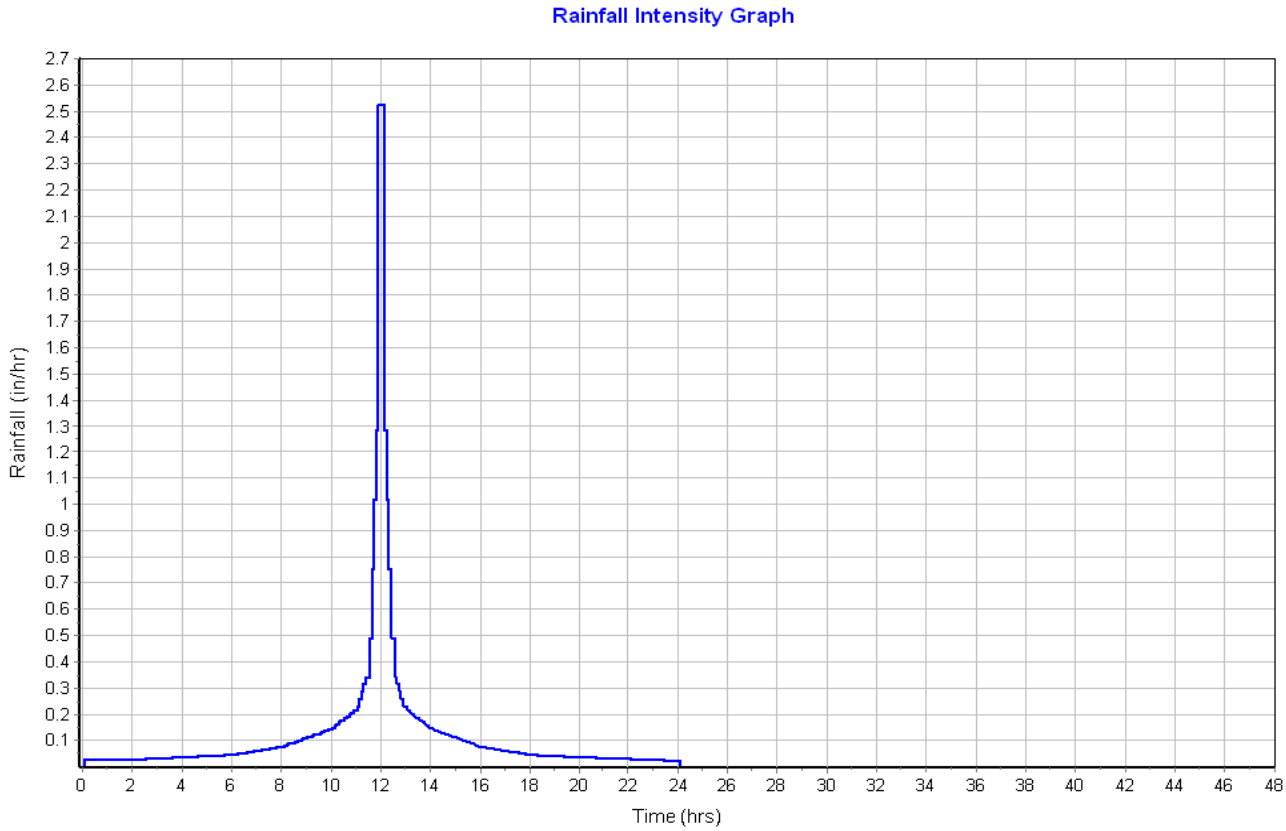
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	791	0.00	0.00
Slope (%) :	.5	0.00	0.00
Surface Type :	Grass pasture	Unpaved	Unpaved
Velocity (ft/sec) :	0.49	0.00	0.00
Computed Flow Time (min) :	26.90	0.00	0.00

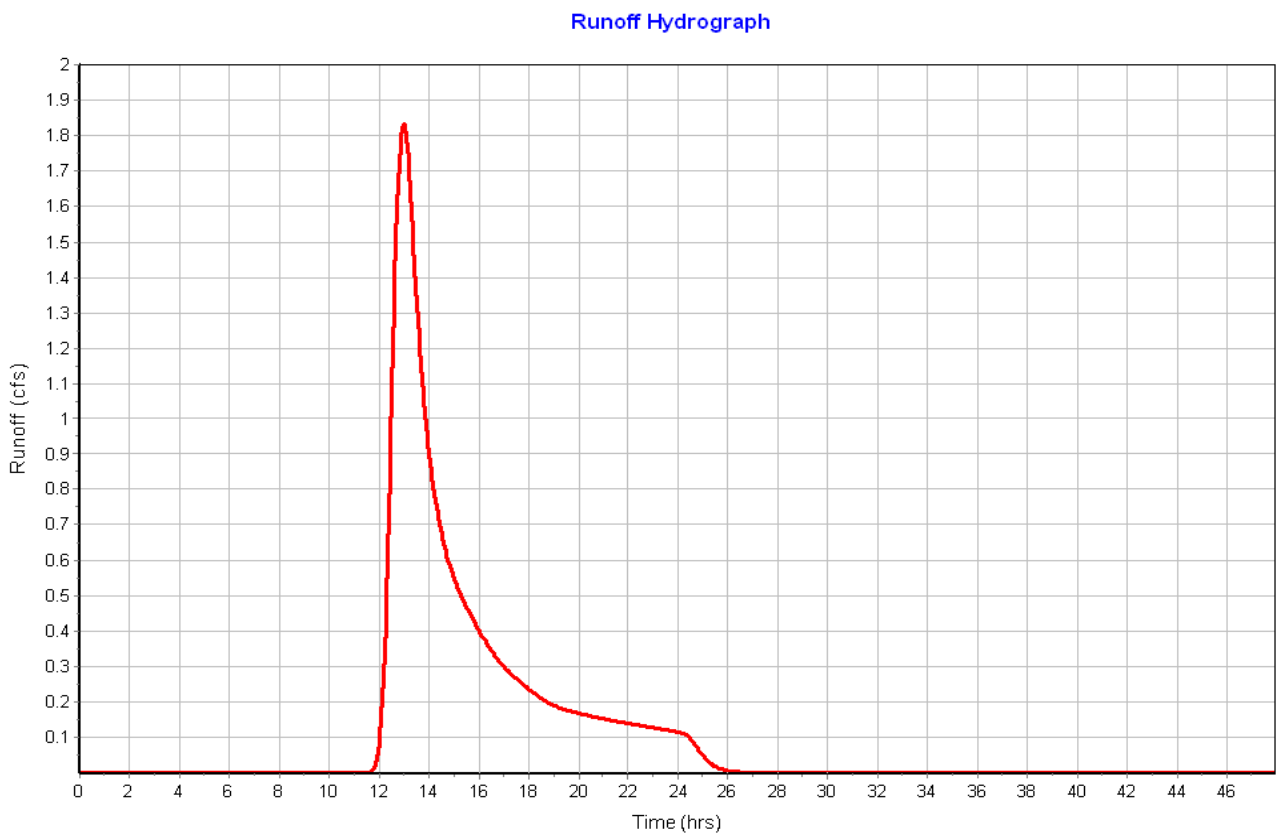
Total TOC (min) 77.86

Subbasin Runoff Results

Total Rainfall (in) 3.00
Total Runoff (in) 0.74
Peak Runoff (cfs) 1.84
Weighted Curve Number 70.54
Time of Concentration (days hh:mm:ss) 0 01:17:52

Subbasin : B-2


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : C

Input Data

Area (ac) 0.21
Weighted Curve Number 75.29
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.12	D	77.00
Brush, Good	0.09	D	73.00
Composite Area & Weighted CN	0.21		75.29

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	80	0.00	0.00
Slope (%) :	4.31	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.07	0.00	0.00
Computed Flow Time (min) :	18.88	0.00	0.00

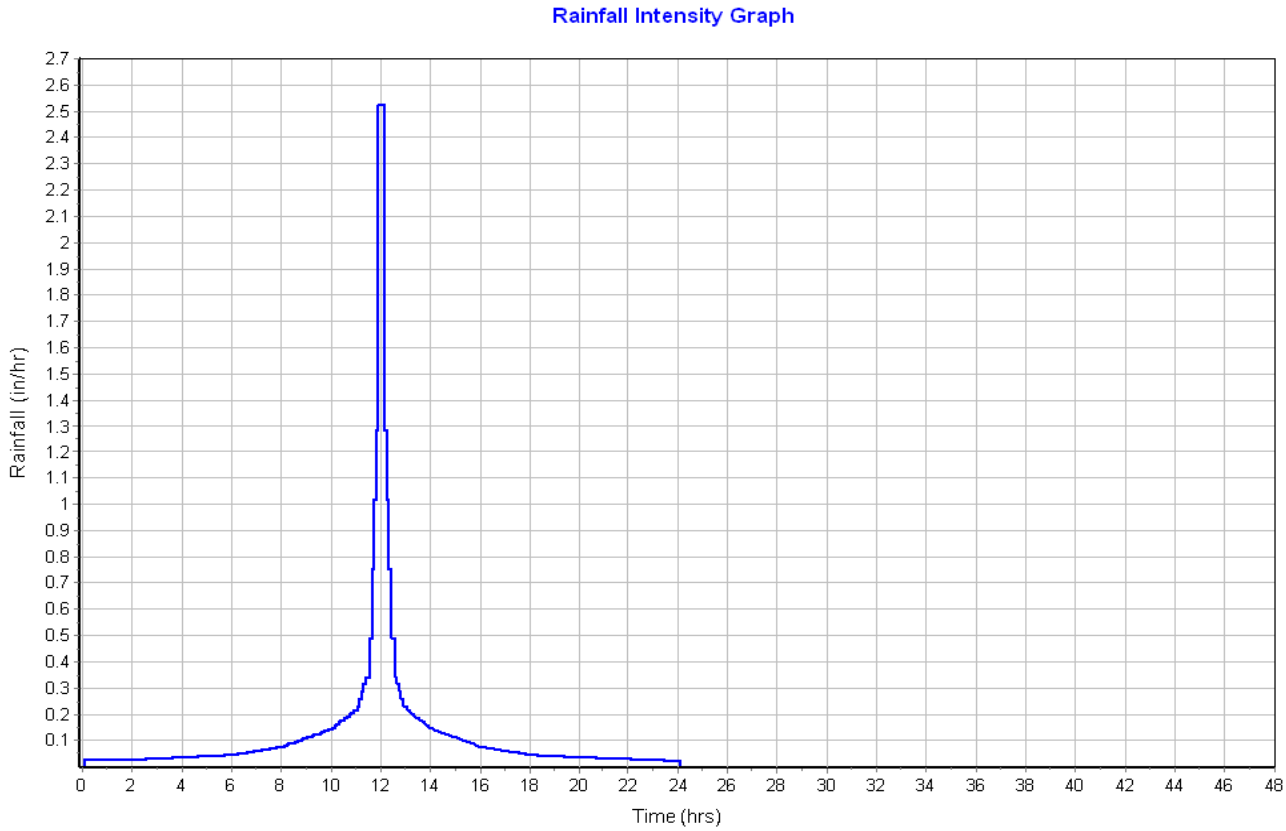
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	182	0.00	0.00
Slope (%) :	7.1	0.00	0.00
Surface Type :	Grass pasture	Unpaved	Unpaved
Velocity (ft/sec) :	1.87	0.00	0.00
Computed Flow Time (min) :	1.62	0.00	0.00

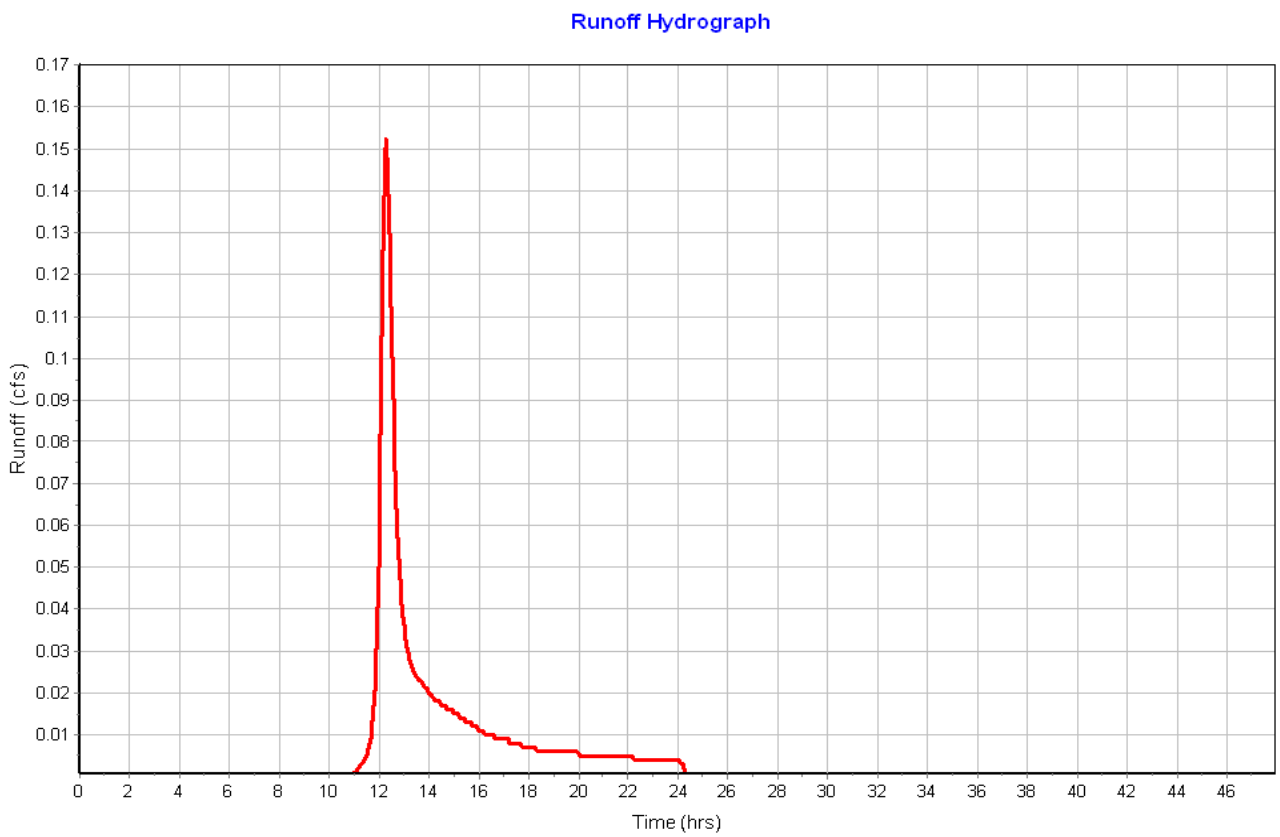
Total TOC (min) 20.50

Subbasin Runoff Results

Total Rainfall (in) 3.00
Total Runoff (in) 0.98
Peak Runoff (cfs) 0.15
Weighted Curve Number 75.29
Time of Concentration (days hh:mm:ss) 0 00:20:30

Subbasin : C


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : CulvertDrainageArea

Input Data

Area (ac) 0.68
Weighted Curve Number 75.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
-	0.68	-	75.00
Composite Area & Weighted CN	0.68		75.00

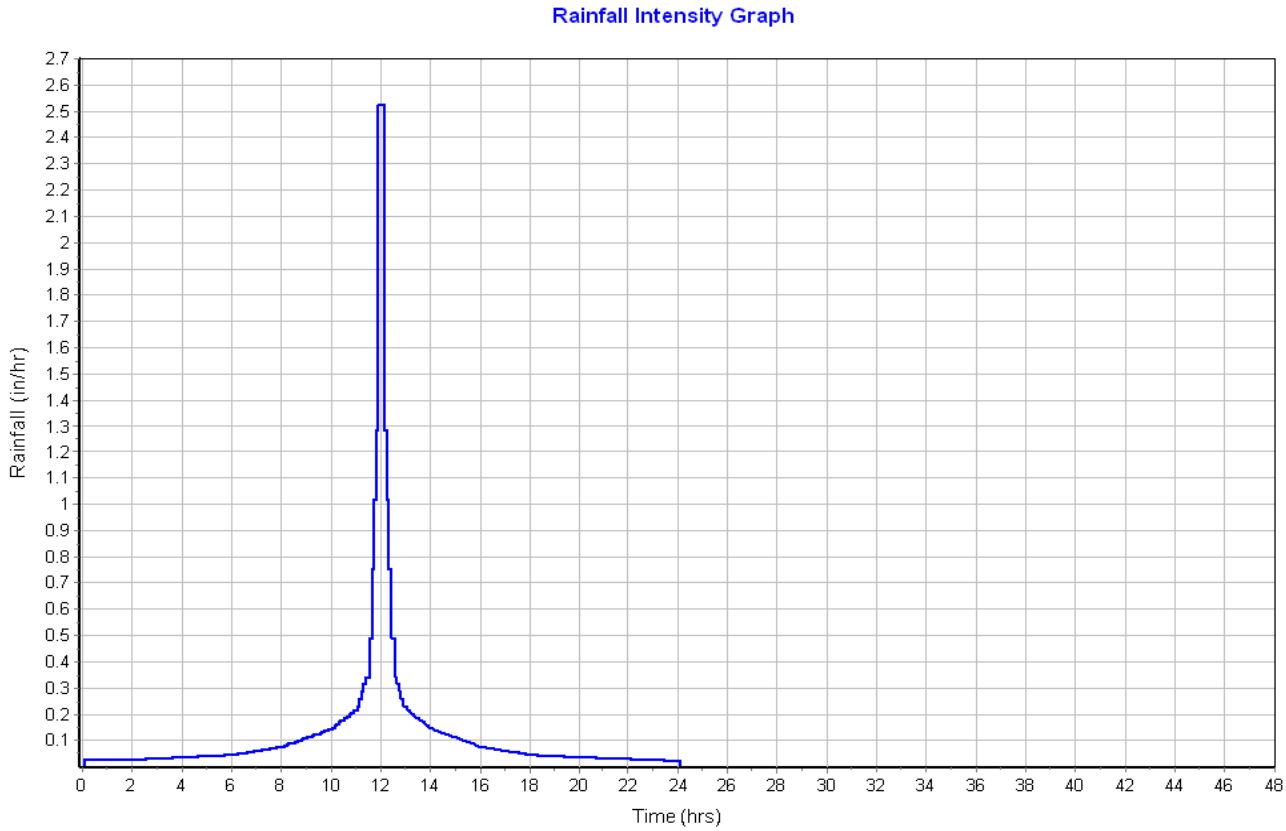
Time of Concentration

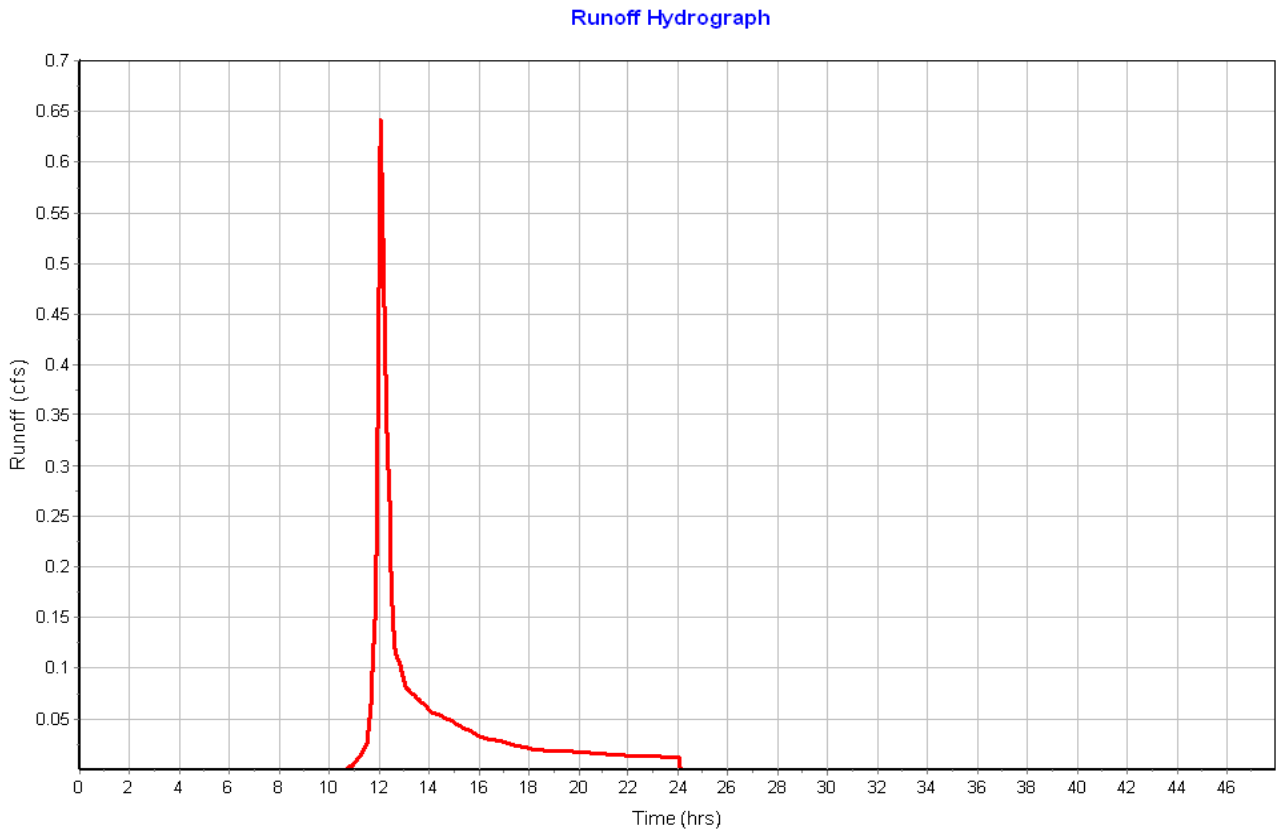
User-Defined TOC override (minutes): 5

Subbasin Runoff Results

Total Rainfall (in) 3.00
Total Runoff (in) 0.96
Peak Runoff (cfs) 0.67
Weighted Curve Number 75.00
Time of Concentration (days hh:mm:ss) 0 00:05:00

Subbasin : CulvertDrainageArea





Subbasin : D

Input Data

Area (ac) 0.12
Weighted Curve Number 77.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.12	D	77.00
Composite Area & Weighted CN	0.12		77.00

Time of Concentration

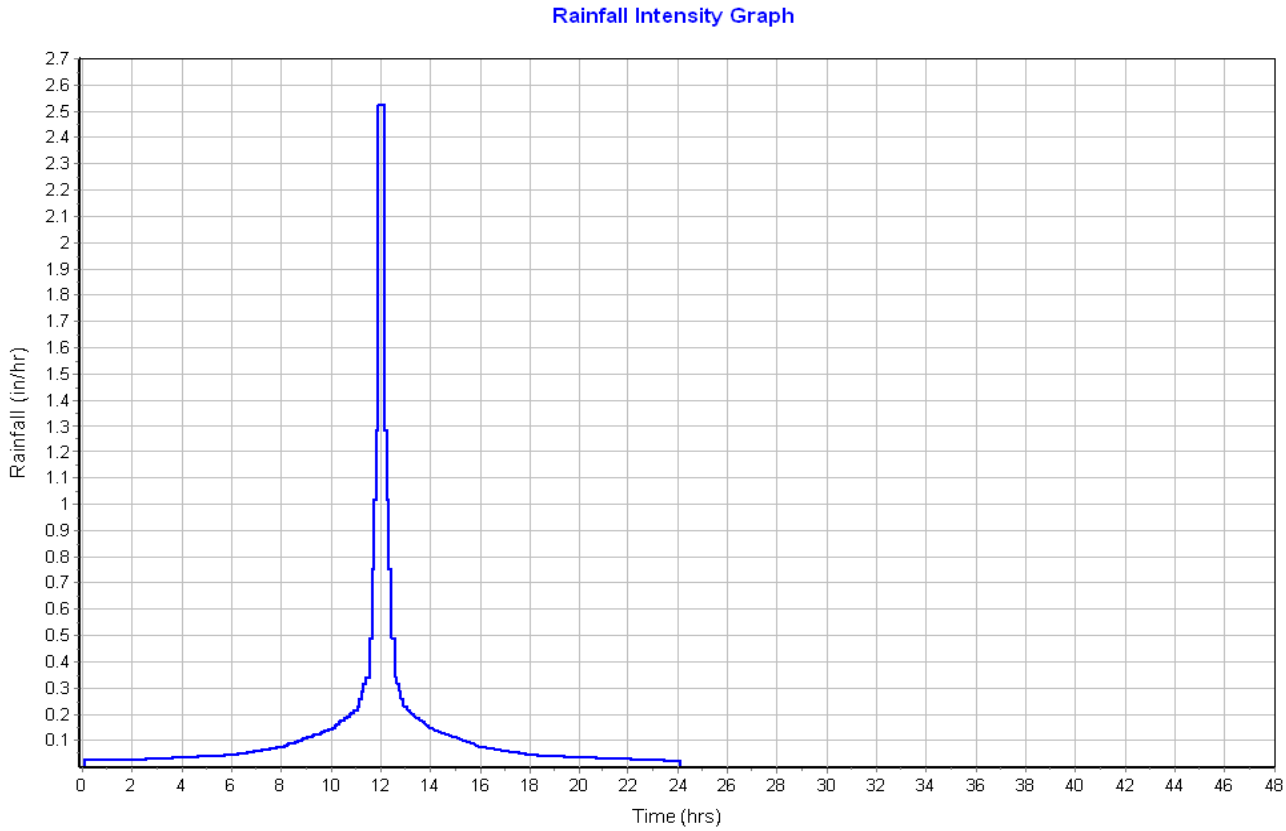
Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	36	0.00	0.00
Slope (%) :	5.55	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.09	0.00	0.00
Computed Flow Time (min) :	6.51	0.00	0.00

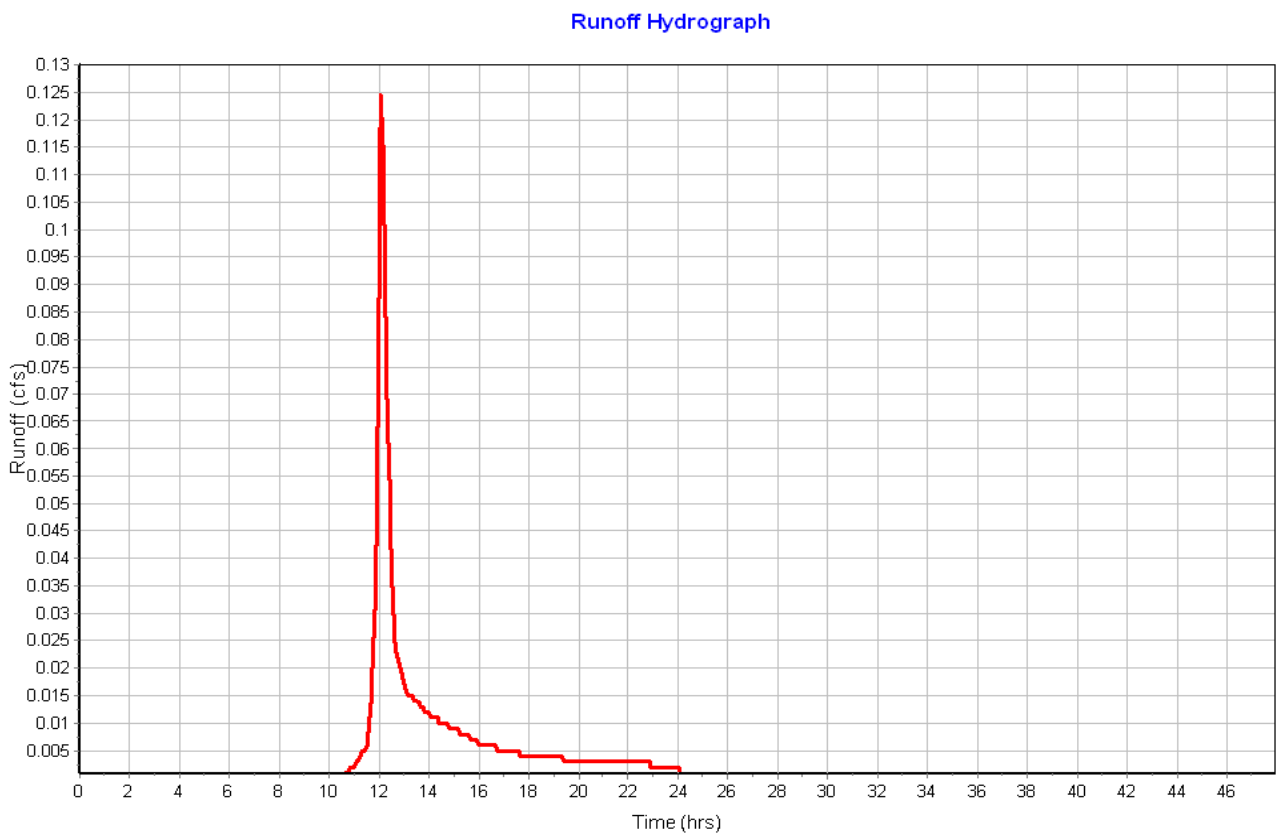
Total TOC (min) 6.51

Subbasin Runoff Results

Total Rainfall (in) 3.00
Total Runoff (in) 1.07
Peak Runoff (cfs) 0.13
Weighted Curve Number 77.00
Time of Concentration (days hh:mm:ss) 0 00:06:31

Subbasin : D


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Junction Input

Element ID	Invert Elevation (ft)	Ground/Rim (Max) Elevation (ft)
CulvertInlet	181.00	184.00
Out_B1andB2	176.00	6.00

Junction Results

Element ID	Peak Inflow	Max HGL Elevation Attained	Max HGL Depth Attained	Min Freeboard Attained	Average HGL Elevation Attained	Time of Max HGL Occurrence
	(cfs)	(ft)	(ft)	(ft)	(ft)	(days hh:mm)
CulvertInlet	0.64	181.29	0.29	2.71	181.02	0 12:10
Out_B1andB2	2.06	176.00	0.00	0.00	176.00	0 00:00

Pipe Input

Element ID	Length (ft)	Inlet Invert Elevation (ft)	Outlet Invert Elevation (ft)	Average Slope (%)	Pipe Shape	Pipe Diameter or Height (in)	Pipe Width (in)	Manning's Roughness
Direct_to_OutB	1715.96	0.00	0.00	0.0000	Dummy	0.000	0.000	0.0150
Link-03	45.00	181.00	180.55	1.0000	CIRCULAR	15.000	15.000	0.0150

Pipe Results

Element ID	Peak Flow	Time of Peak Flow Occurrence	Design Flow Capacity	Peak Flow Velocity	Peak Flow Depth
	(cfs)	(days hh:mm)	(cfs)	(ft/sec)	(ft)
Direct_to_OutB	2.06	0 13:00	0.00	0.00	0.00
Link-03	0.64	0 12:10	5.60	3.04	0.29

Project Description

File Name ..... Proposed Conditions_SMT.SPF

Project Options

Flow Units ..... CFS
Elevation Type ..... Elevation
Hydrology Method ..... SCS TR-55
Time of Concentration (TOC) Method ..... SCS TR-55
Link Routing Method ..... Kinematic Wave
Enable Overflow Ponding at Nodes ..... YES
Skip Steady State Analysis Time Periods ..... NO

Analysis Options

Start Analysis On ..... Aug 15, 2017 00:00:00
End Analysis On ..... Aug 17, 2017 00:00:00
Start Reporting On ..... Aug 15, 2017 00:00:00
Antecedent Dry Days ..... 0 days
Runoff (Dry Weather) Time Step ..... 0 01:00:00 days hh:mm:ss
Runoff (Wet Weather) Time Step ..... 0 00:05:00 days hh:mm:ss
Reporting Time Step ..... 0 00:05:00 days hh:mm:ss
Routing Time Step ..... 30 seconds

Number of Elements

	Qty
Rain Gages	1
Subbasins	6
Nodes	7
Junctions	2
Outfalls	5
Flow Diversions	0
Inlets	0
Storage Nodes	0
Links	2
Channels	0
Pipes	2
Pumps	0
Orifices	0
Weirs	0
Outlets	0
Pollutants	0
Land Uses	0

Rainfall Details

SN	Rain Gage ID	Data Source	Data Source ID	Rainfall Type	Rain Units	State	County	Return Period (years)	Rainfall Depth (inches)	Rainfall Distribution
1	Rain Gage-01	Time Series	TS-10	Cumulative	inches	Maine	Cumberland (Southeast)	10	4.70	SCS Type III 24-hr

Subbasin Summary

Subbasin ID	Area (ac)	Weighted Curve Number	Total Rainfall (in)	Total Runoff (in)	Total Runoff Volume (ac-in)	Peak Runoff (cfs)	Time of Concentration (days hh:mm:ss)
A	3.95	74.46	4.70	2.16	8.55	5.71	0 00:29:55
B-1	2.55	66.95	4.70	1.59	4.06	4.05	0 00:07:01
B-2	7.03	70.54	4.70	1.86	13.05	5.14	0 01:17:51
C	0.21	75.29	4.70	2.23	0.47	0.37	0 00:20:30
CulvertDrainageArea	0.68	75.00	4.70	2.21	1.50	1.58	0 00:05:00
D	0.12	77.00	4.70	2.37	0.28	0.30	0 00:06:30

Node Summary

Element ID	Element Type	Invert Elevation (ft)	Peak Inflow (cfs)
CulvertInlet	Junction	181.00	1.54
Out_B1andB2	Junction	176.00	5.73
CulvertOutlet	Outfall	180.35	1.53
OUT-A	Outfall	180.00	5.67
OUT-B	Outfall	176.00	5.73
OUT-C	Outfall	178.00	0.37
OUT-D	Outfall	190.82	0.29

Link Summary

Element ID	Element Type	From (Inlet) Node	To (Outlet) Node	Length	Inlet Invert Elevation	Outlet Invert Elevation	Average Slope	Diameter or Height	Manning's Roughness	Peak Flow	Design Flow Capacity	Peak Flow Velocity	Peak Flow Depth
				(ft)	(ft)	(ft)	(%)	(in)		(cfs)	(cfs)	(ft/sec)	(ft)
Direct_to_OutB	Pipe	Out_B1andB2	OUT-B	1715.96	0.00	0.00	0.0000	0.000	0.0150	5.73	0.00	0.00	0.00
Link-03	Pipe	CulvertInlet	CulvertOutlet	45.00	181.00	180.55	1.0000	15.000	0.0150	1.53	5.60	3.89	0.45

Subbasin Hydrology

Subbasin : A

Input Data

Area (ac) 3.95
Weighted Curve Number 74.46
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.33	D	77.00
Gravel roads	0.10	D	91.00
> 75% grass cover, Good	0.38	D	80.00
Brush, Good	3.14	D	73.00
Composite Area & Weighted CN	3.95		74.46

Time of Concentration

TOC Method : SCS TR-55

Sheet Flow Equation :

Tc = (0.007 * ((n * Lf)^0.8)) / ((P^0.5) * (Sf^0.4))

Where :

Tc = Time of Concentration (hr)
n = Manning's roughness
Lf = Flow Length (ft)
P = 2 yr, 24 hr Rainfall (inches)
Sf = Slope (ft/ft)

Shallow Concentrated Flow Equation :

V = 16.1345 * (Sf^0.5) (unpaved surface)
V = 20.3282 * (Sf^0.5) (paved surface)
V = 15.0 * (Sf^0.5) (grassed waterway surface)
V = 10.0 * (Sf^0.5) (nearly bare & untilled surface)
V = 9.0 * (Sf^0.5) (cultivated straight rows surface)
V = 7.0 * (Sf^0.5) (short grass pasture surface)
V = 5.0 * (Sf^0.5) (woodland surface)
V = 2.5 * (Sf^0.5) (forest w/heavy litter surface)
Tc = (Lf / V) / (3600 sec/hr)

Where:

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)

Channel Flow Equation :

V = (1.49 * (R^(2/3)) * (Sf^0.5)) / n
R = Aq / Wp
Tc = (Lf / V) / (3600 sec/hr)

Where :

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
R = Hydraulic Radius (ft)
Aq = Flow Area (ft^2)
Wp = Wetted Perimeter (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)
n = Manning's roughness

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	45	0.00	0.00
Slope (%) :	50	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.23	0.00	0.00
Computed Flow Time (min) :	3.23	0.00	0.00

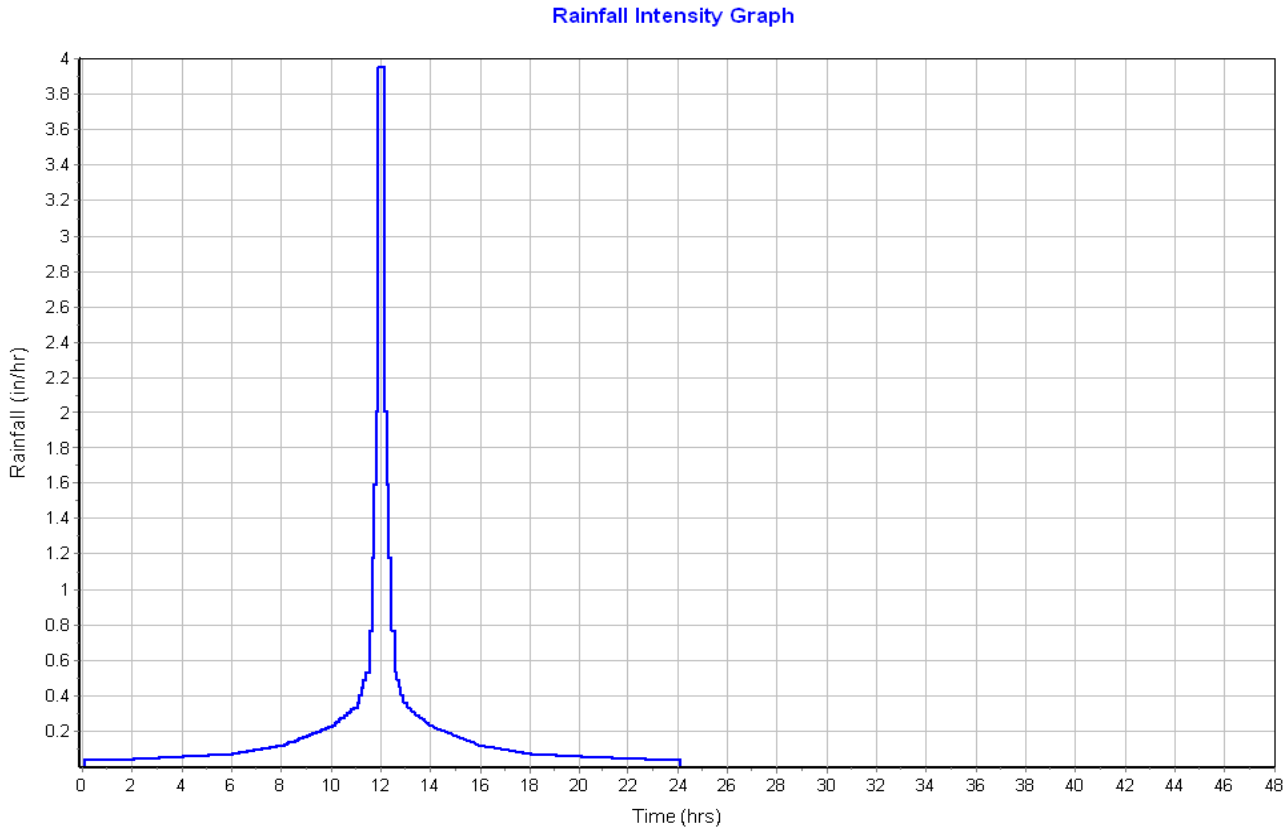
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	264	574	0.00
Slope (%) :	.76	.35	0.00
Surface Type :	Grassed waterway	Grass pasture	Unpaved
Velocity (ft/sec) :	1.31	0.41	0.00
Computed Flow Time (min) :	3.36	23.33	0.00

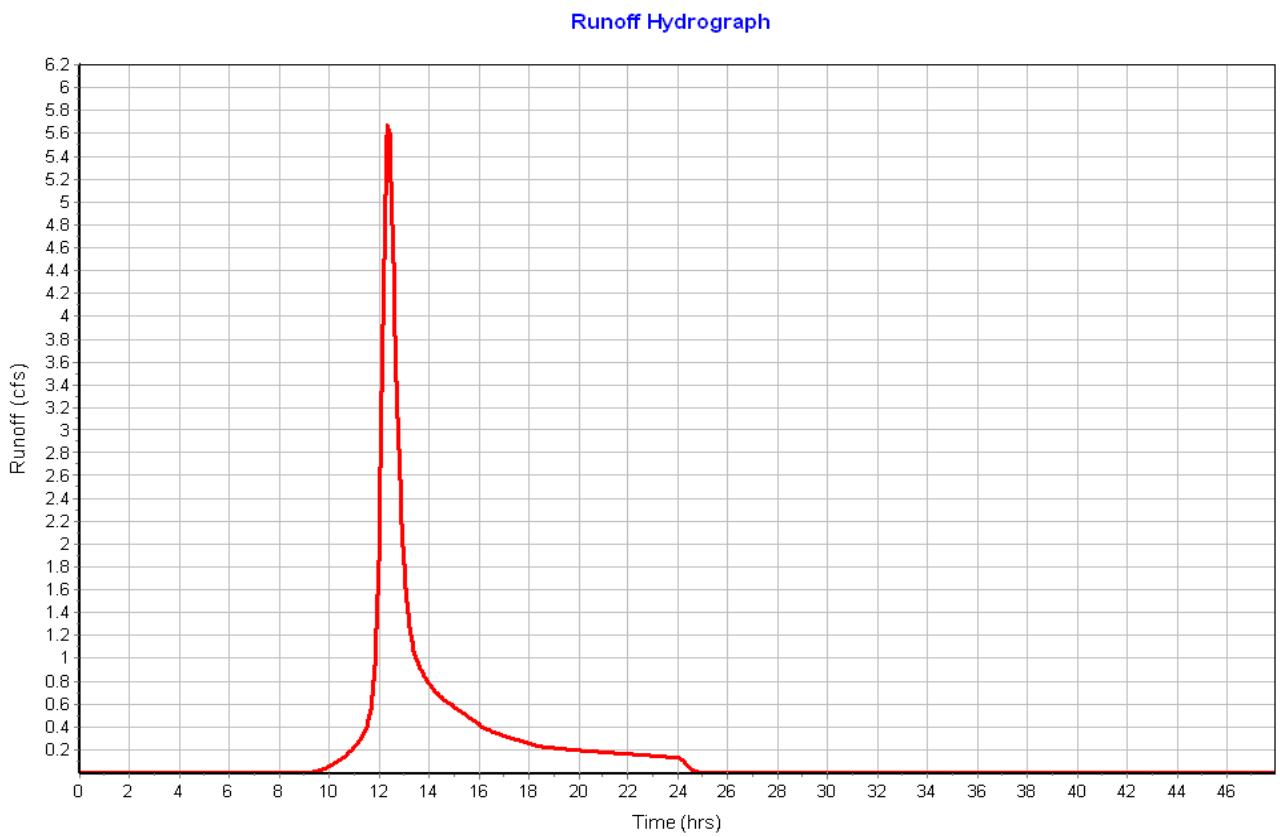
Total TOC (min) 29.92

Subbasin Runoff Results

Total Rainfall (in) 4.70
Total Runoff (in) 2.16
Peak Runoff (cfs) 5.71
Weighted Curve Number 74.46
Time of Concentration (days hh:mm:ss) 0 00:29:55

Subbasin : A


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : B-1

Input Data

Area (ac) 2.55
Weighted Curve Number 66.95
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Gravel-Pad	1.88	D	60.00
Rooftops	0.24	D	98.00
> 75% grass cover, Good	0.43	D	80.00
Composite Area & Weighted CN	2.55		66.95

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	38	0.00	0.00
Slope (%) :	50	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.22	0.00	0.00
Computed Flow Time (min) :	2.82	0.00	0.00

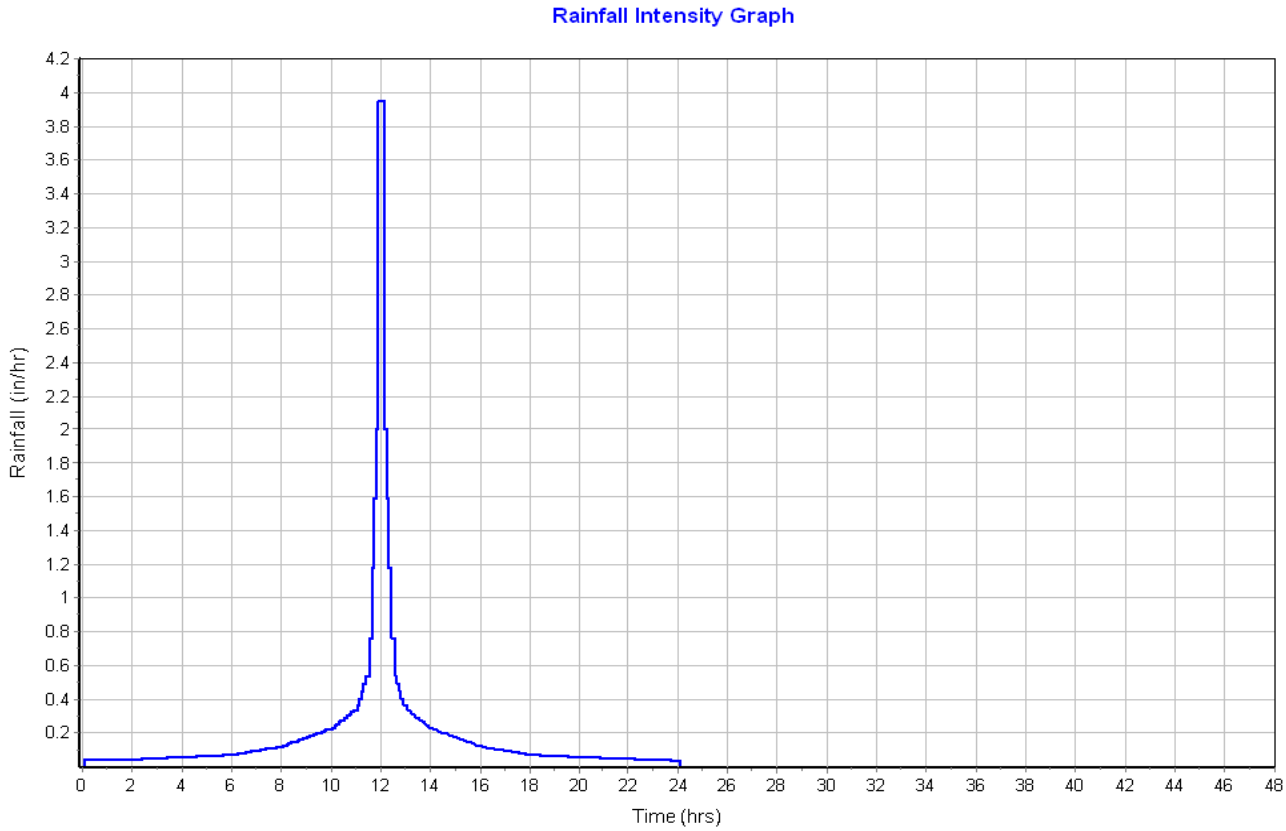
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	385	0.00	0.00
Slope (%) :	1.04	0.00	0.00
Surface Type :	Grassed waterway	Grass pasture	rass pasture
Velocity (ft/sec) :	1.53	0.00	0.00
Computed Flow Time (min) :	4.19	0.00	0.00

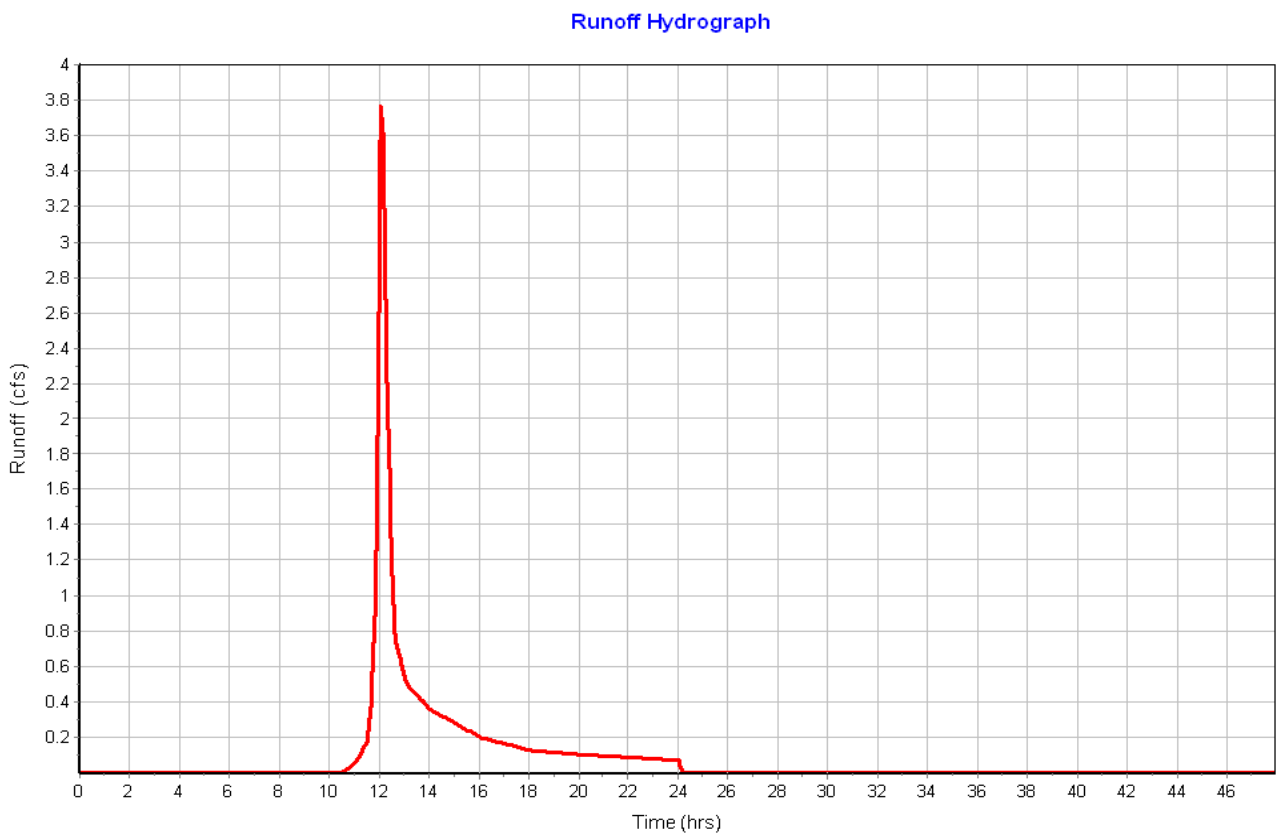
Total TOC (min) 7.02

Subbasin Runoff Results

Total Rainfall (in) 4.70
Total Runoff (in) 1.59
Peak Runoff (cfs) 4.05
Weighted Curve Number 66.95
Time of Concentration (days hh:mm:ss) 0 00:07:01

Subbasin : B-1


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : B-2

Input Data

Area (ac) 7.03
Weighted Curve Number 70.54
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Brush, Good	5.19	D	73.00
Gravel roads	0.05	D	91.00
> 75% grass cover, Good	0.16	D	80.00
Gravel_Pad	1.58	D	60.00
ConcreteFoundations	0.05	D	98.00
Composite Area & Weighted CN	7.03		70.54

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	.25	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.03	0.00	0.00
Computed Flow Time (min) :	50.95	0.00	0.00

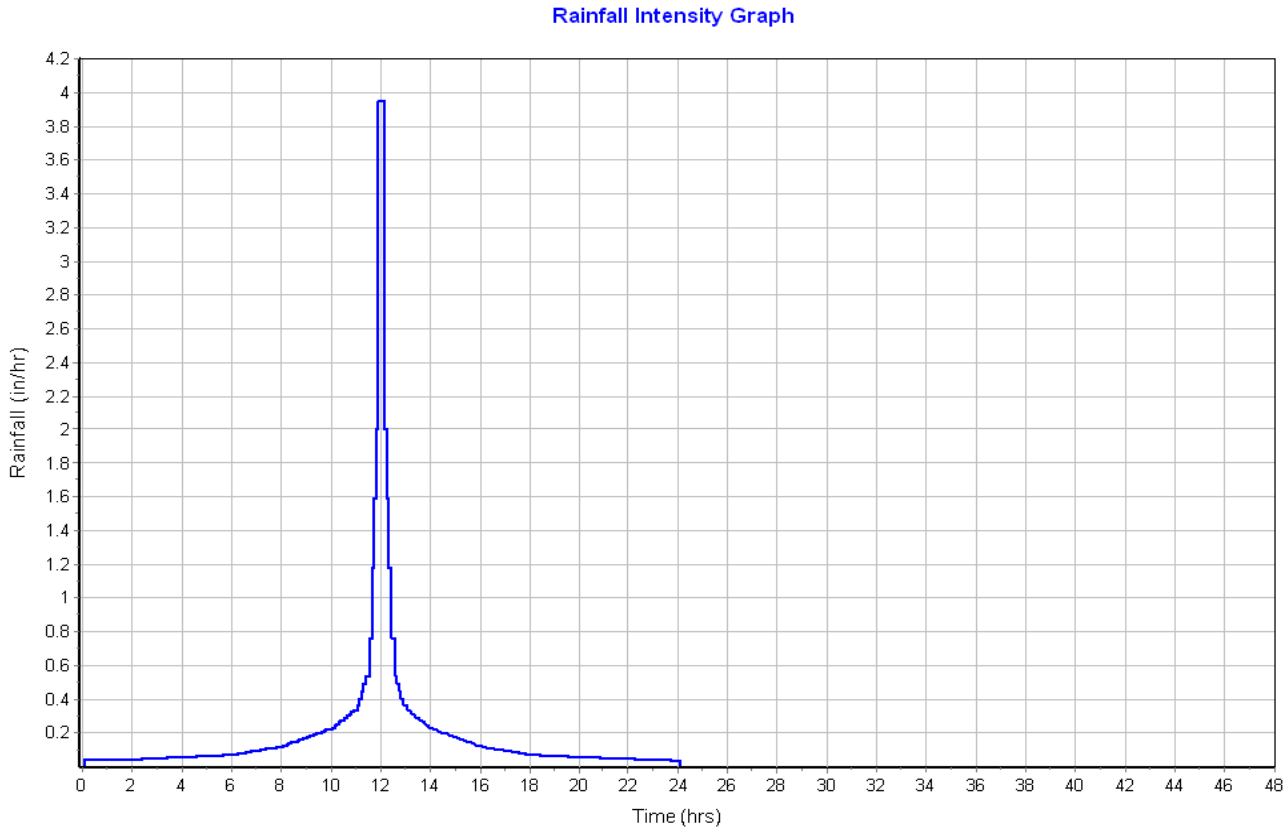
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	791	0.00	0.00
Slope (%) :	.5	0.00	0.00
Surface Type :	Grass pasture	Unpaved	Unpaved
Velocity (ft/sec) :	0.49	0.00	0.00
Computed Flow Time (min) :	26.90	0.00	0.00

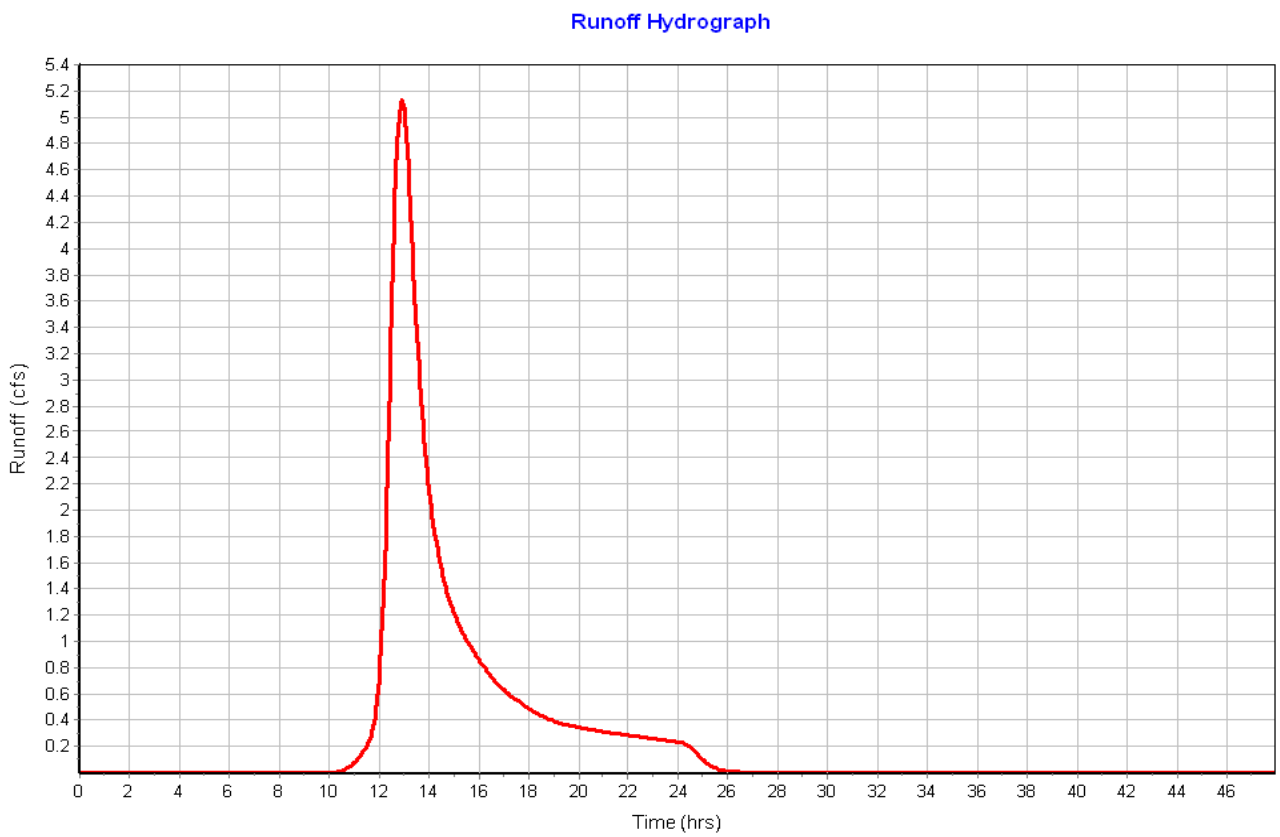
Total TOC (min) 77.86

Subbasin Runoff Results

Total Rainfall (in) 4.70
Total Runoff (in) 1.86
Peak Runoff (cfs) 5.14
Weighted Curve Number 70.54
Time of Concentration (days hh:mm:ss) 0 01:17:52

Subbasin : B-2


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : C

Input Data

Area (ac) 0.21
Weighted Curve Number 75.29
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.12	D	77.00
Brush, Good	0.09	D	73.00
Composite Area & Weighted CN	0.21		75.29

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	80	0.00	0.00
Slope (%) :	4.31	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.07	0.00	0.00
Computed Flow Time (min) :	18.88	0.00	0.00

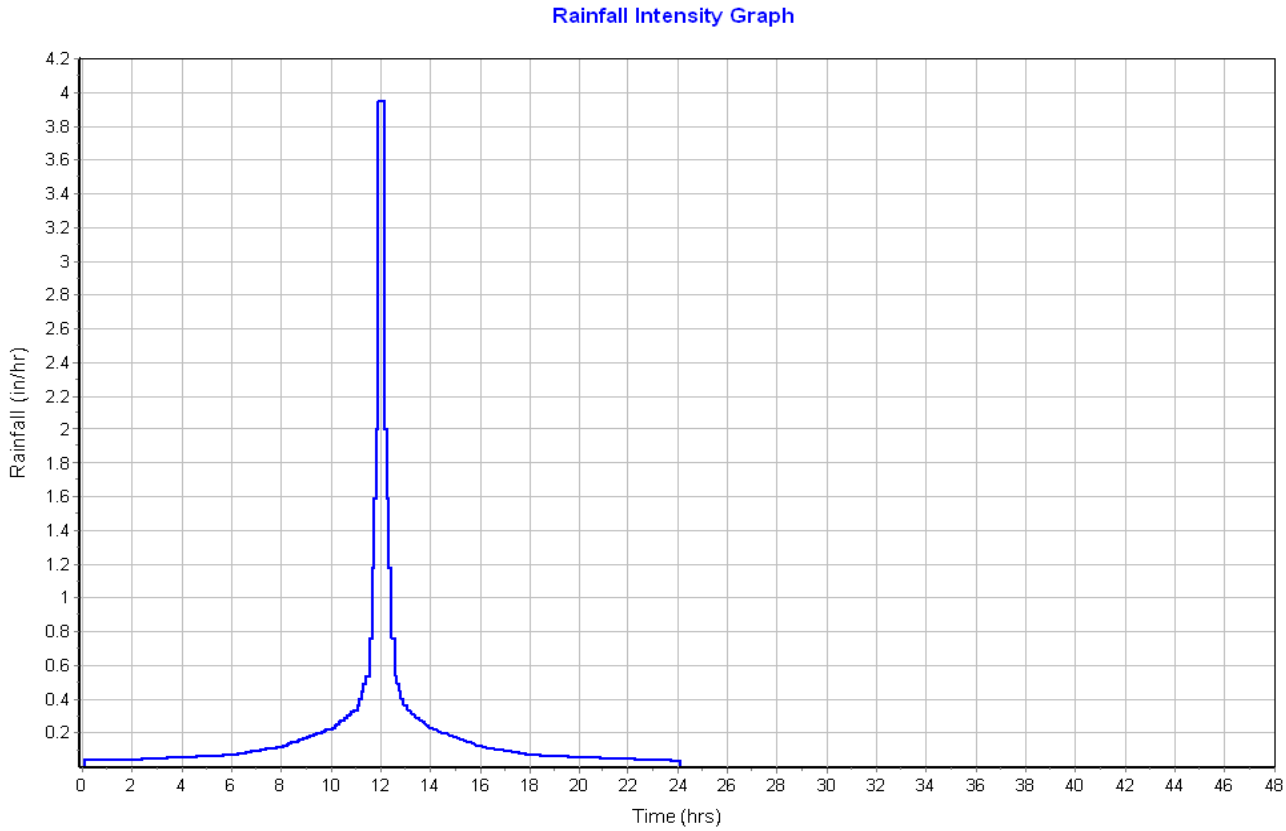
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	182	0.00	0.00
Slope (%) :	7.1	0.00	0.00
Surface Type :	Grass pasture	Unpaved	Unpaved
Velocity (ft/sec) :	1.87	0.00	0.00
Computed Flow Time (min) :	1.62	0.00	0.00

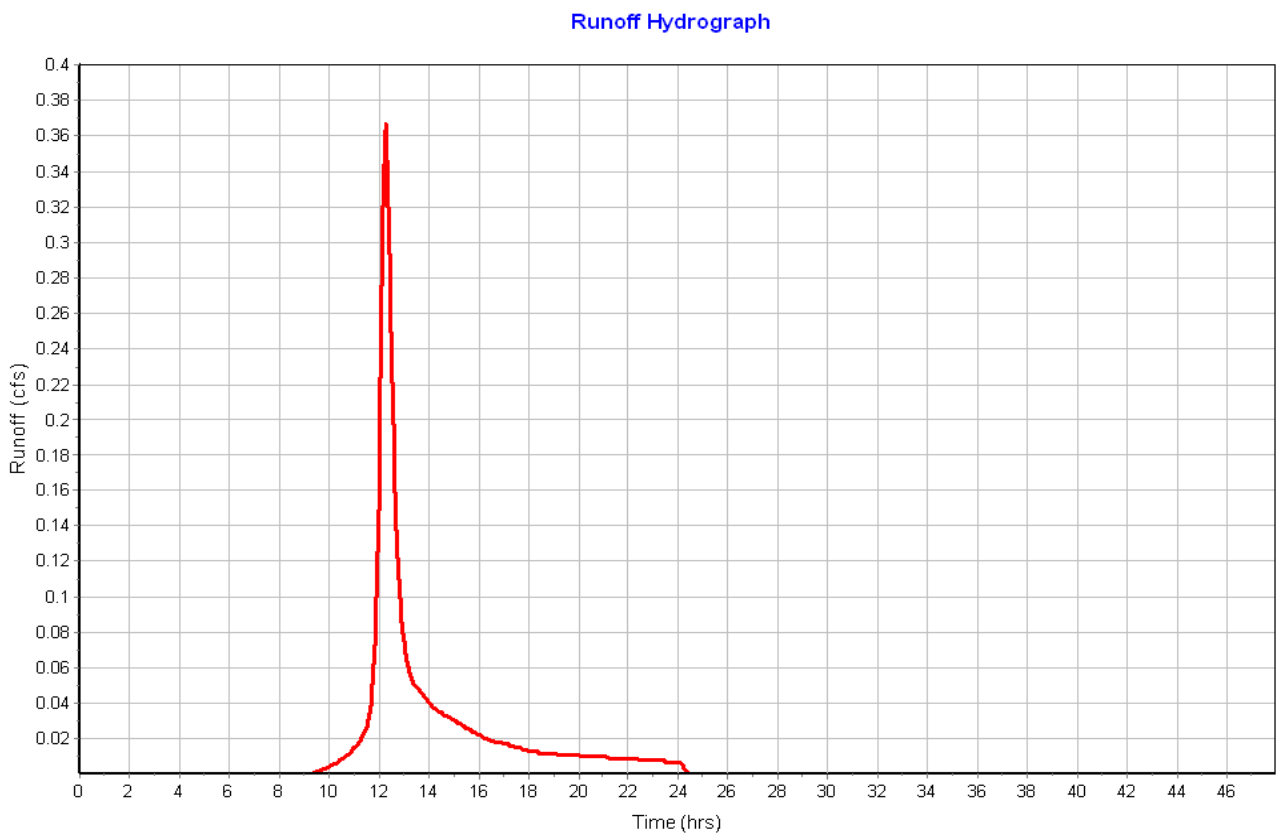
Total TOC (min) 20.50

Subbasin Runoff Results

Total Rainfall (in) 4.70
Total Runoff (in) 2.23
Peak Runoff (cfs) 0.37
Weighted Curve Number 75.29
Time of Concentration (days hh:mm:ss) 0 00:20:30

Subbasin : C


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : CulvertDrainageArea

Input Data

Area (ac) 0.68
Weighted Curve Number 75.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
-	0.68	-	75.00
Composite Area & Weighted CN	0.68		75.00

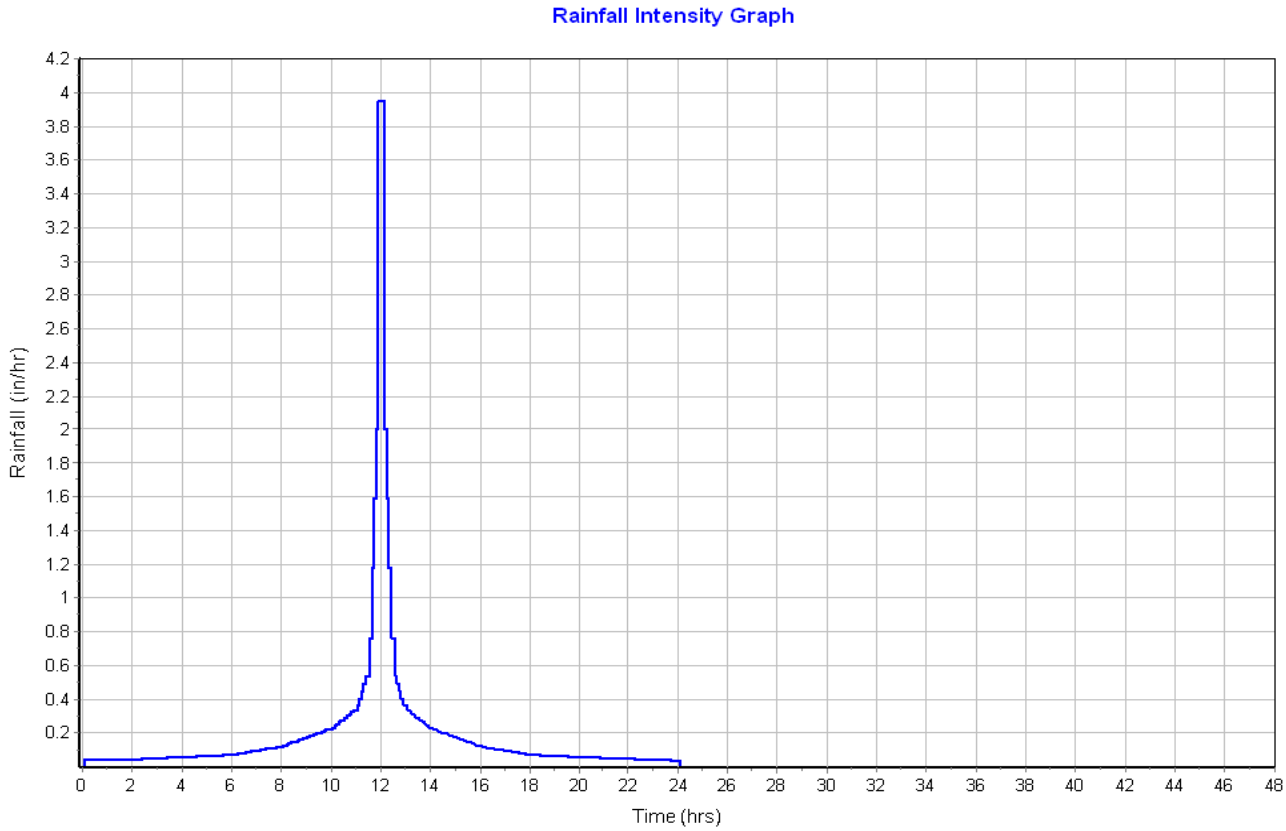
Time of Concentration

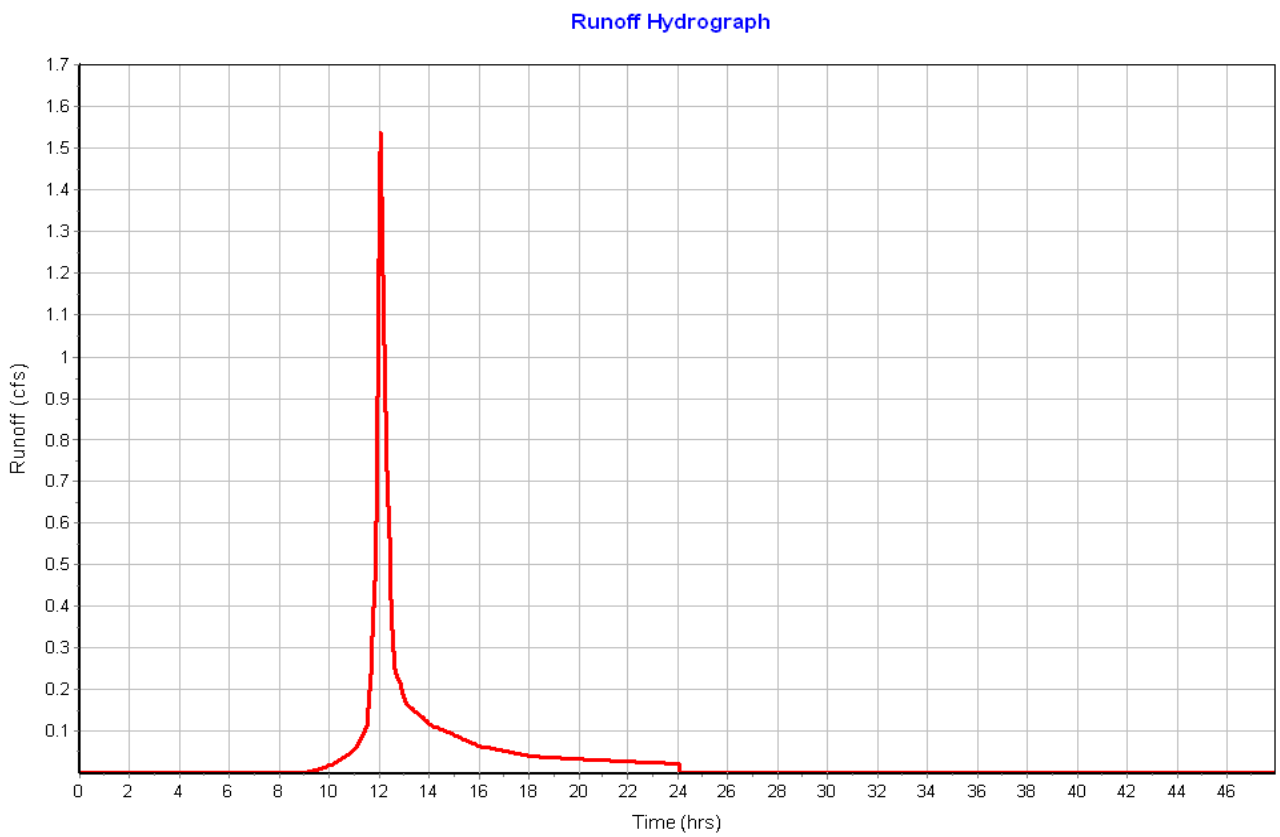
User-Defined TOC override (minutes): 5

Subbasin Runoff Results

Total Rainfall (in) 4.70
Total Runoff (in) 2.21
Peak Runoff (cfs) 1.58
Weighted Curve Number 75.00
Time of Concentration (days hh:mm:ss) 0 00:05:00

Subbasin : CulvertDrainageArea





Subbasin : D

Input Data

Area (ac) 0.12
Weighted Curve Number 77.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.12	D	77.00
Composite Area & Weighted CN	0.12		77.00

Time of Concentration

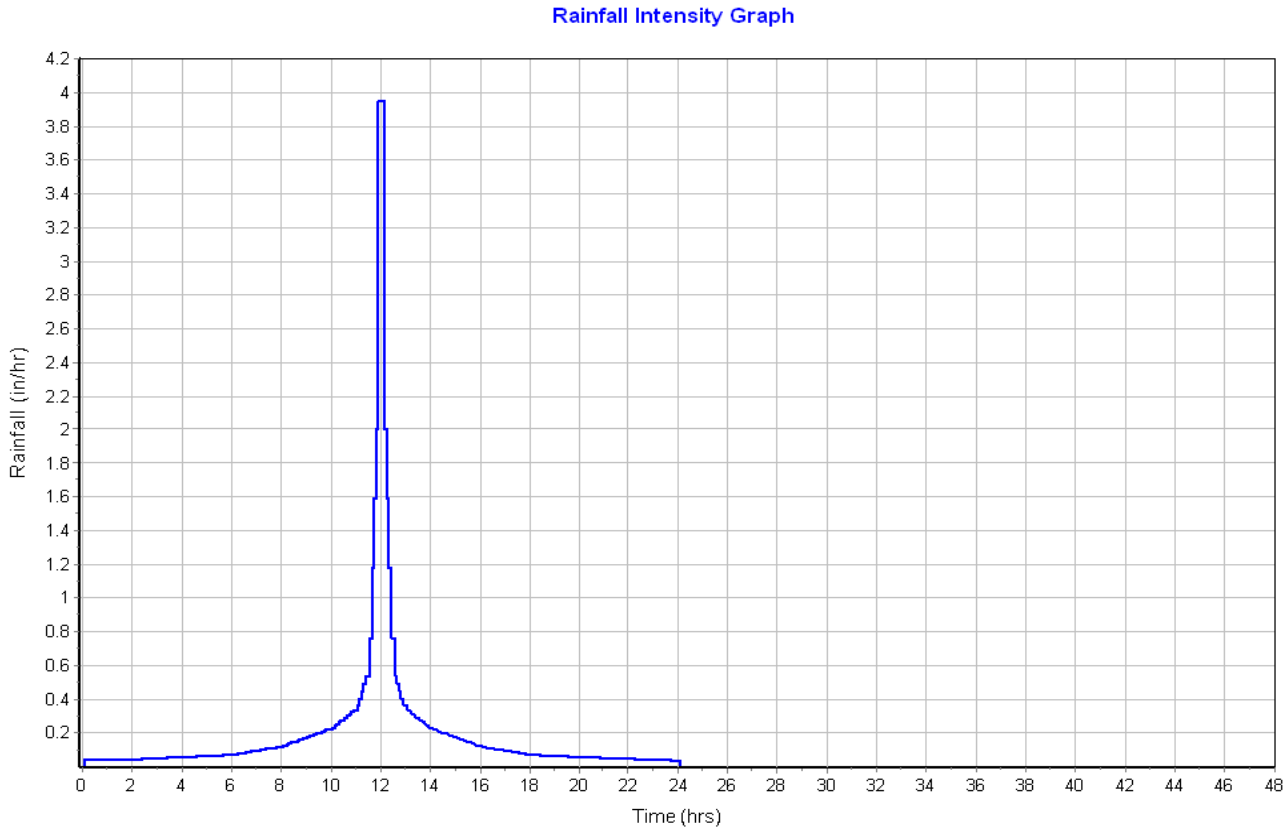
Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	36	0.00	0.00
Slope (%) :	5.55	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.09	0.00	0.00
Computed Flow Time (min) :	6.51	0.00	0.00

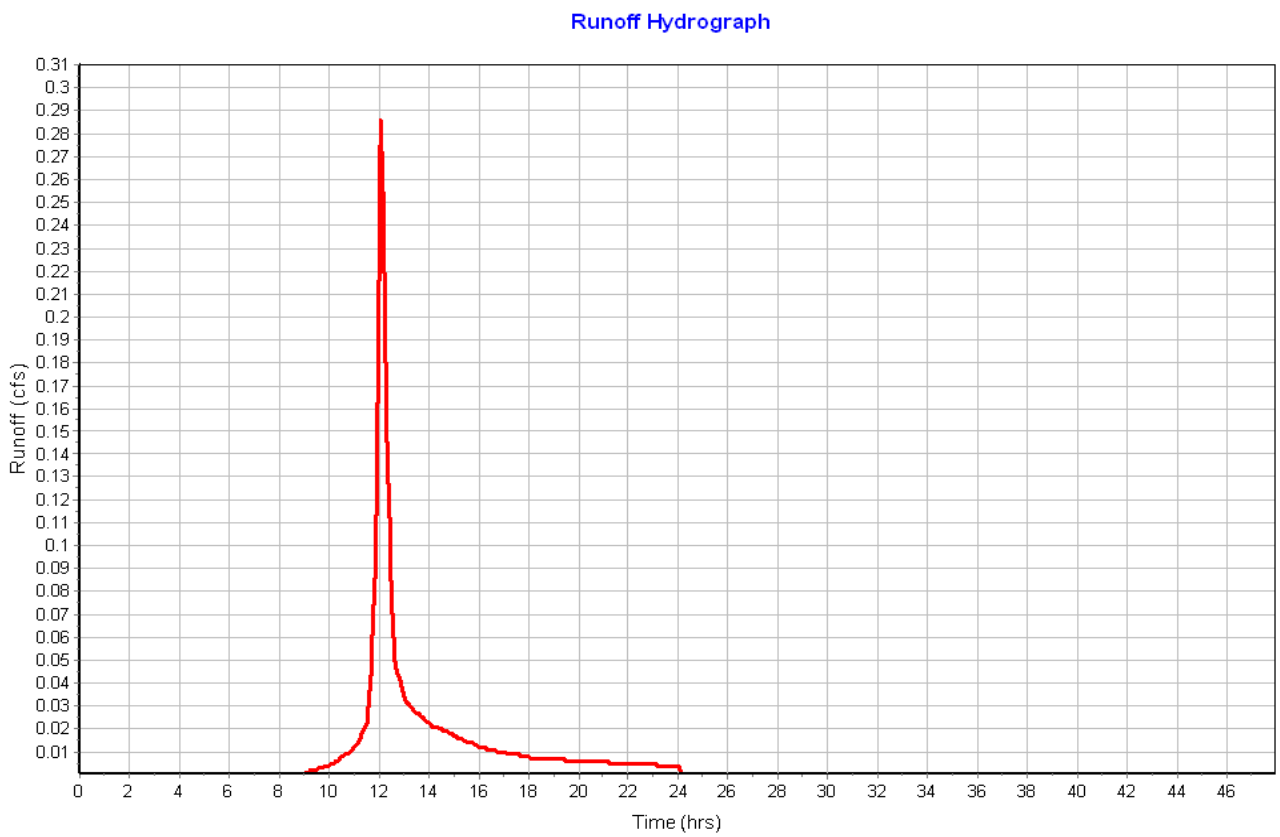
Total TOC (min) 6.51

Subbasin Runoff Results

Total Rainfall (in) 4.70
Total Runoff (in) 2.37
Peak Runoff (cfs) 0.30
Weighted Curve Number 77.00
Time of Concentration (days hh:mm:ss) 0 00:06:31

Subbasin : D


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Junction Input

Element ID	Invert Elevation (ft)	Ground/Rim (Max) Elevation (ft)
CulvertInlet	181.00	184.00
Out_B1andB2	176.00	6.00

Junction Results

Element ID	Peak Inflow	Max HGL Elevation Attained	Max HGL Depth Attained	Min Freeboard Attained	Average HGL Elevation Attained	Time of Max HGL Occurrence
	(cfs)	(ft)	(ft)	(ft)	(ft)	(days hh:mm)
CulvertInlet	1.54	181.45	0.45	2.55	181.03	0 12:10
Out_B1andB2	5.73	176.00	0.00	0.00	176.00	0 00:00

Pipe Input

Element ID	Length (ft)	Inlet Invert Elevation (ft)	Outlet Invert Elevation (ft)	Average Slope (%)	Pipe Shape	Pipe Diameter or Height (in)	Pipe Width (in)	Manning's Roughness
Direct_to_OutB	1715.96	0.00	0.00	0.0000	Dummy	0.000	0.000	0.0150
Link-03	45.00	181.00	180.55	1.0000	CIRCULAR	15.000	15.000	0.0150

Pipe Results

Element ID	Peak Flow	Time of Peak Flow Occurrence	Design Flow Capacity	Peak Flow Velocity	Peak Flow Depth
	(cfs)	(days hh:mm)	(cfs)	(ft/sec)	(ft)
Direct_to_OutB	5.73	0 13:00	0.00	0.00	0.00
Link-03	1.53	0 12:10	5.60	3.89	0.45

Project Description

File Name ..... Proposed Conditions_SMT.SPF

Project Options

Flow Units ..... CFS
Elevation Type ..... Elevation
Hydrology Method ..... SCS TR-55
Time of Concentration (TOC) Method ..... SCS TR-55
Link Routing Method ..... Kinematic Wave
Enable Overflow Ponding at Nodes ..... YES
Skip Steady State Analysis Time Periods ..... NO

Analysis Options

Start Analysis On ..... Aug 15, 2017 00:00:00
End Analysis On ..... Aug 17, 2017 00:00:00
Start Reporting On ..... Aug 15, 2017 00:00:00
Antecedent Dry Days ..... 0 days
Runoff (Dry Weather) Time Step ..... 0 01:00:00 days hh:mm:ss
Runoff (Wet Weather) Time Step ..... 0 00:05:00 days hh:mm:ss
Reporting Time Step ..... 0 00:05:00 days hh:mm:ss
Routing Time Step ..... 30 seconds

Number of Elements

	Qty
Rain Gages	1
Subbasins	6
Nodes	7
Junctions	2
Outfalls	5
Flow Diversions	0
Inlets	0
Storage Nodes	0
Links	2
Channels	0
Pipes	2
Pumps	0
Orifices	0
Weirs	0
Outlets	0
Pollutants	0
Land Uses	0

Rainfall Details

SN	Rain Gage ID	Data Source	Data Source ID	Rainfall Type	Rain Units	State	County	Return Period (years)	Rainfall Depth (inches)	Rainfall Distribution
1	Rain Gage-01	Time Series	TS-25	Cumulative	inches	Maine	Cumberland (Southeast)	25	5.50	SCS Type III 24-hr

Subbasin Summary

Subbasin ID	Area (ac)	Weighted Curve Number	Total Rainfall (in)	Total Runoff (in)	Total Runoff Volume (ac-in)	Peak Runoff (cfs)	Time of Concentration (days hh:mm:ss)
A	3.95	74.46	5.50	2.81	11.10	7.47	0 00:29:55
B-1	2.55	66.95	5.50	2.16	5.50	5.55	0 00:07:01
B-2	7.03	70.54	5.50	2.46	17.30	6.91	0 01:17:51
C	0.21	75.29	5.50	2.89	0.61	0.48	0 00:20:30
CulvertDrainageArea	0.68	75.00	5.50	2.86	1.94	2.03	0 00:05:00
D	0.12	77.00	5.50	3.04	0.37	0.38	0 00:06:30

Node Summary

Element ID	Element Type	Invert Elevation (ft)	Peak Inflow (cfs)
CulvertInlet	Junction	181.00	1.99
Out_B1andB2	Junction	176.00	7.71
CulvertOutlet	Outfall	180.35	1.98
OUT-A	Outfall	180.00	7.44
OUT-B	Outfall	176.00	7.71
OUT-C	Outfall	178.00	0.48
OUT-D	Outfall	190.82	0.37

Link Summary

Element ID	Element Type	From (Inlet) Node	To (Outlet) Node	Length	Inlet Invert Elevation	Outlet Invert Elevation	Average Slope	Diameter or Height	Manning's Roughness	Peak Flow	Design Flow Capacity	Peak Flow Velocity	Peak Flow Depth
				(ft)	(ft)	(ft)	(%)	(in)		(cfs)	(cfs)	(ft/sec)	(ft)
Direct_to_OutB	Pipe	Out_B1andB2	OUT-B	1715.96	0.00	0.00	0.0000	0.000	0.0150	7.71	0.00	0.00	0.00
Link-03	Pipe	CulvertInlet	CulvertOutlet	45.00	181.00	180.55	1.0000	15.000	0.0150	1.98	5.60	4.17	0.51

Subbasin Hydrology

Subbasin : A

Input Data

Area (ac) 3.95
Weighted Curve Number 74.46
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.33	D	77.00
Gravel roads	0.10	D	91.00
> 75% grass cover, Good	0.38	D	80.00
Brush, Good	3.14	D	73.00
Composite Area & Weighted CN	3.95		74.46

Time of Concentration

TOC Method : SCS TR-55

Sheet Flow Equation :

Tc = (0.007 * ((n * Lf)^0.8)) / ((P^0.5) * (Sf^0.4))

Where :

Tc = Time of Concentration (hr)
n = Manning's roughness
Lf = Flow Length (ft)
P = 2 yr, 24 hr Rainfall (inches)
Sf = Slope (ft/ft)

Shallow Concentrated Flow Equation :

V = 16.1345 * (Sf^0.5) (unpaved surface)
V = 20.3282 * (Sf^0.5) (paved surface)
V = 15.0 * (Sf^0.5) (grassed waterway surface)
V = 10.0 * (Sf^0.5) (nearly bare & untilled surface)
V = 9.0 * (Sf^0.5) (cultivated straight rows surface)
V = 7.0 * (Sf^0.5) (short grass pasture surface)
V = 5.0 * (Sf^0.5) (woodland surface)
V = 2.5 * (Sf^0.5) (forest w/heavy litter surface)
Tc = (Lf / V) / (3600 sec/hr)

Where:

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)

Channel Flow Equation :

V = (1.49 * (R^(2/3)) * (Sf^0.5)) / n
R = Aq / Wp
Tc = (Lf / V) / (3600 sec/hr)

Where :

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
R = Hydraulic Radius (ft)
Aq = Flow Area (ft^2)
Wp = Wetted Perimeter (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)
n = Manning's roughness

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	45	0.00	0.00
Slope (%) :	50	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.23	0.00	0.00
Computed Flow Time (min) :	3.23	0.00	0.00

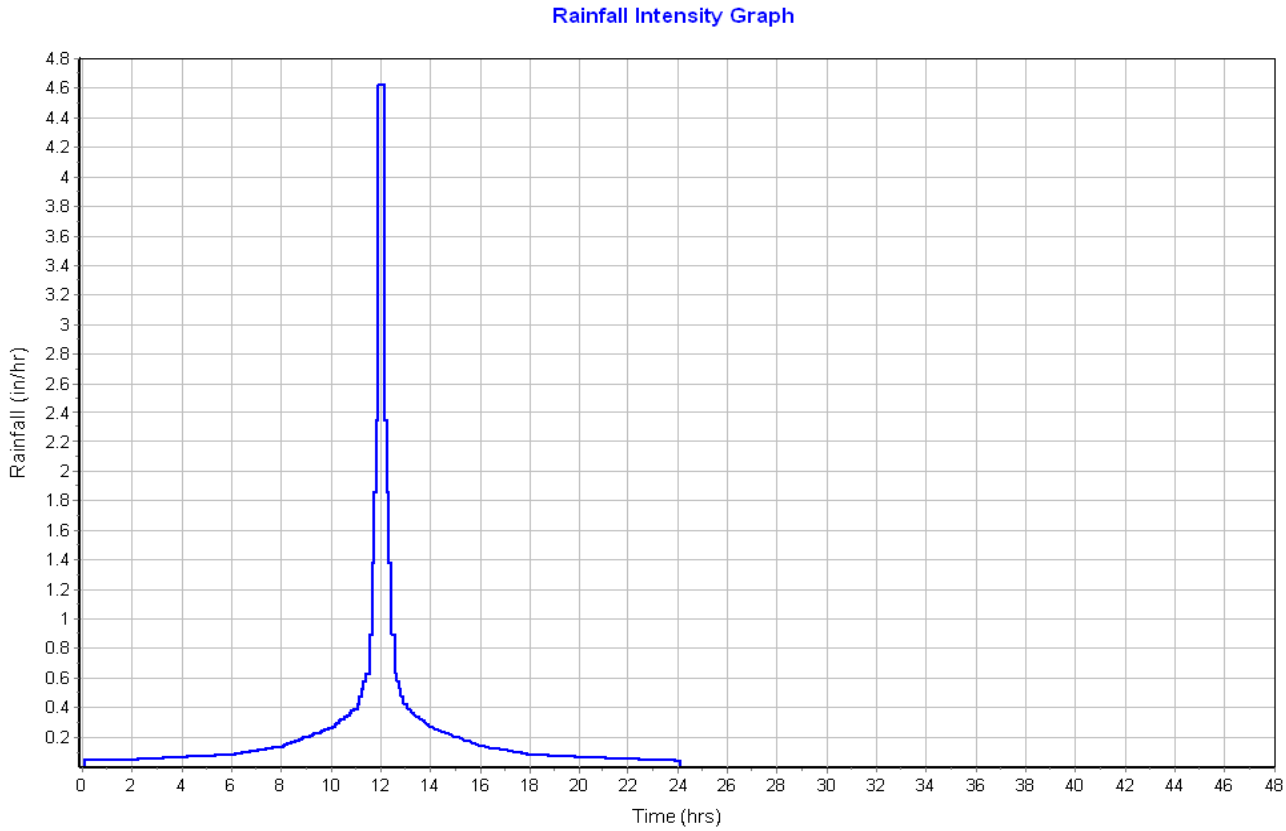
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	264	574	0.00
Slope (%) :	.76	.35	0.00
Surface Type :	Grassed waterway	Grass pasture	Unpaved
Velocity (ft/sec) :	1.31	0.41	0.00
Computed Flow Time (min) :	3.36	23.33	0.00

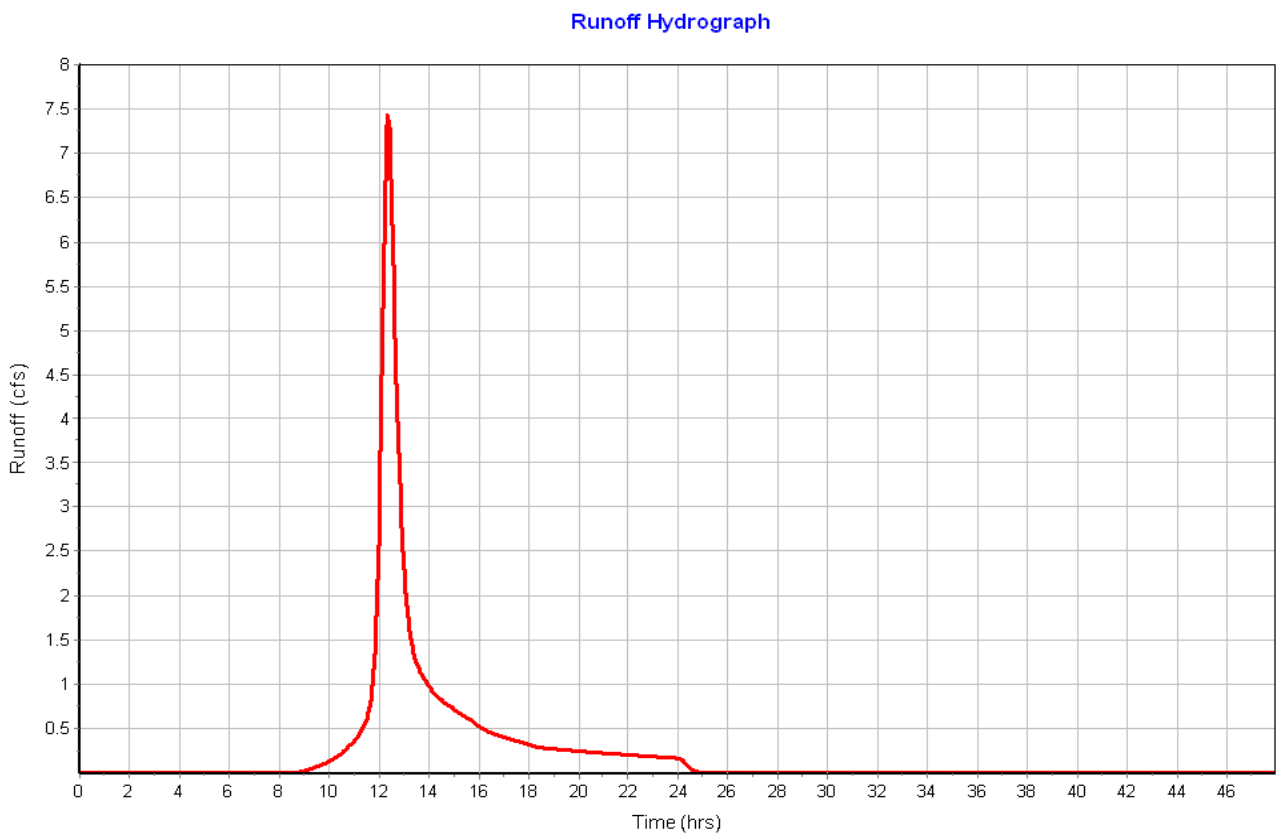
Total TOC (min) 29.92

Subbasin Runoff Results

Total Rainfall (in) 5.50
Total Runoff (in) 2.81
Peak Runoff (cfs) 7.47
Weighted Curve Number 74.46
Time of Concentration (days hh:mm:ss) 0 00:29:55

Subbasin : A


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : B-1

Input Data

Area (ac) 2.55
Weighted Curve Number 66.95
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Gravel-Pad	1.88	D	60.00
Rooftops	0.24	D	98.00
> 75% grass cover, Good	0.43	D	80.00
Composite Area & Weighted CN	2.55		66.95

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	38	0.00	0.00
Slope (%) :	50	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.22	0.00	0.00
Computed Flow Time (min) :	2.82	0.00	0.00

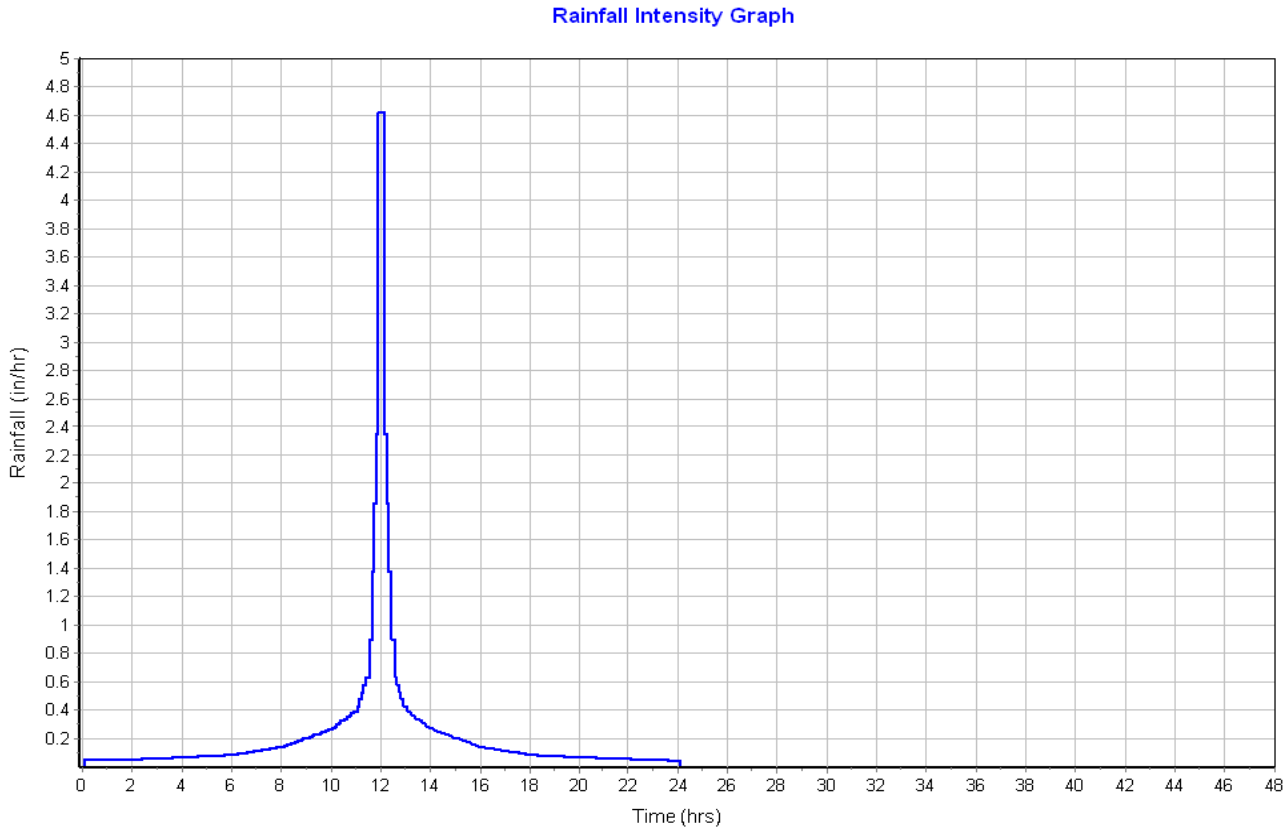
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	385	0.00	0.00
Slope (%) :	1.04	0.00	0.00
Surface Type :	Grassed waterway	Grass pasture	rass pasture
Velocity (ft/sec) :	1.53	0.00	0.00
Computed Flow Time (min) :	4.19	0.00	0.00

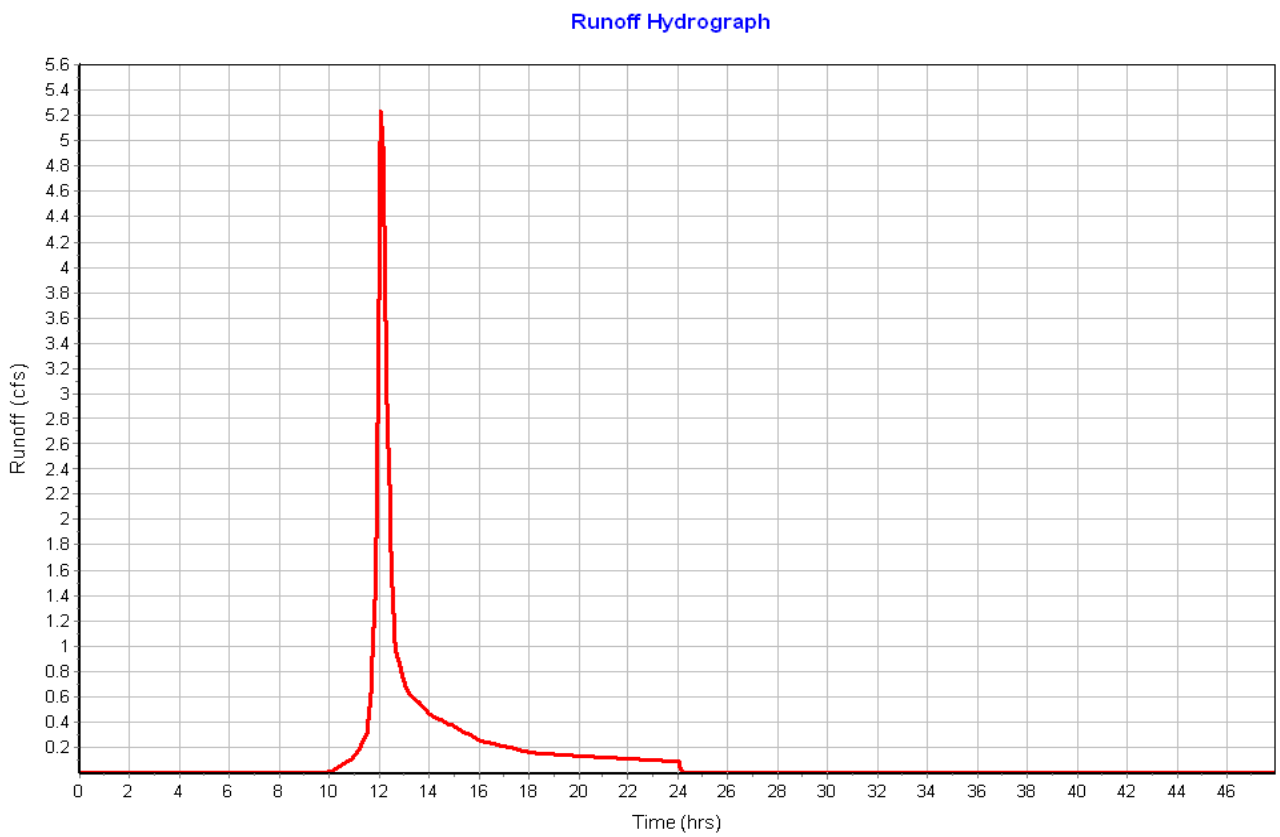
Total TOC (min) 7.02

Subbasin Runoff Results

Total Rainfall (in) 5.50
Total Runoff (in) 2.16
Peak Runoff (cfs) 5.55
Weighted Curve Number 66.95
Time of Concentration (days hh:mm:ss) 0 00:07:01

Subbasin : B-1


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : B-2

Input Data

Area (ac) 7.03
Weighted Curve Number 70.54
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Brush, Good	5.19	D	73.00
Gravel roads	0.05	D	91.00
> 75% grass cover, Good	0.16	D	80.00
Gravel_Pad	1.58	D	60.00
ConcreteFoundations	0.05	D	98.00
Composite Area & Weighted CN	7.03		70.54

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	100	0.00	0.00
Slope (%) :	.25	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.03	0.00	0.00
Computed Flow Time (min) :	50.95	0.00	0.00

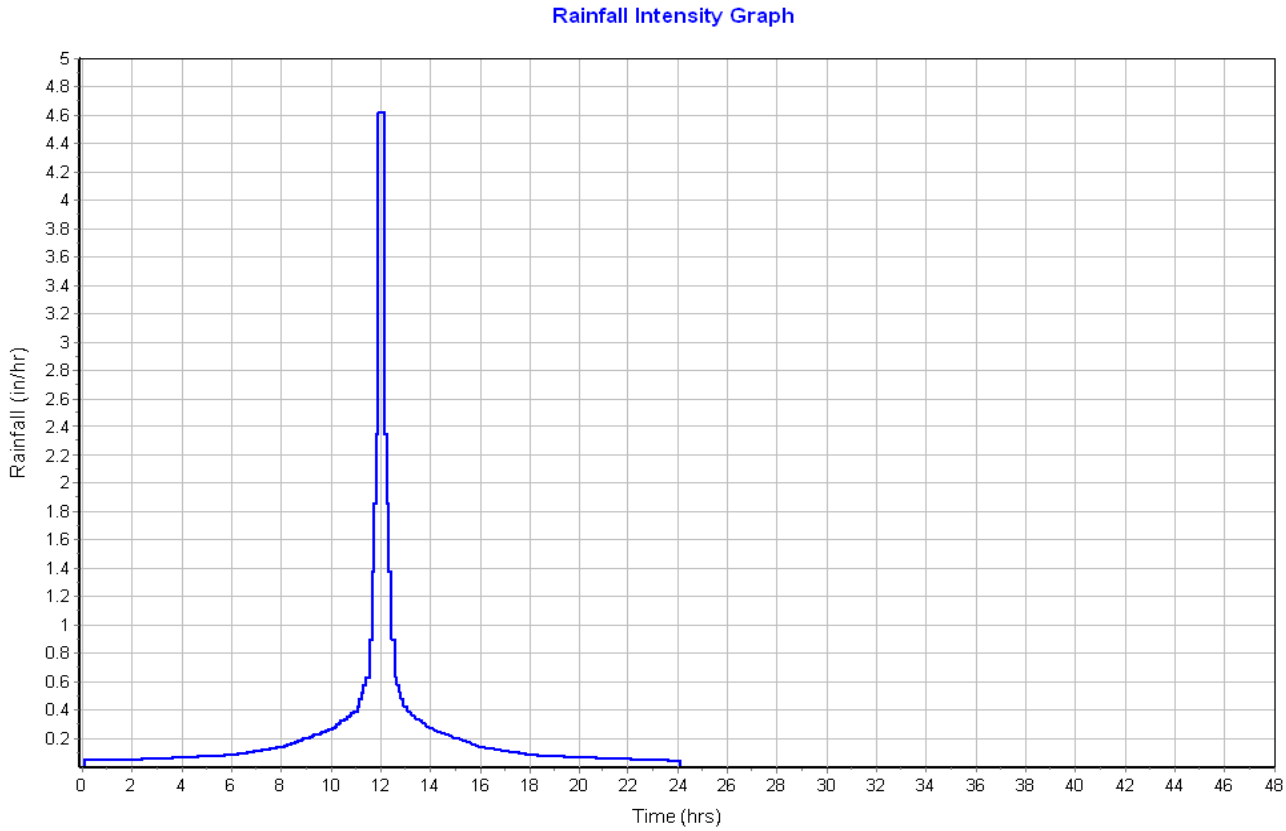
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	791	0.00	0.00
Slope (%) :	.5	0.00	0.00
Surface Type :	Grass pasture	Unpaved	Unpaved
Velocity (ft/sec) :	0.49	0.00	0.00
Computed Flow Time (min) :	26.90	0.00	0.00

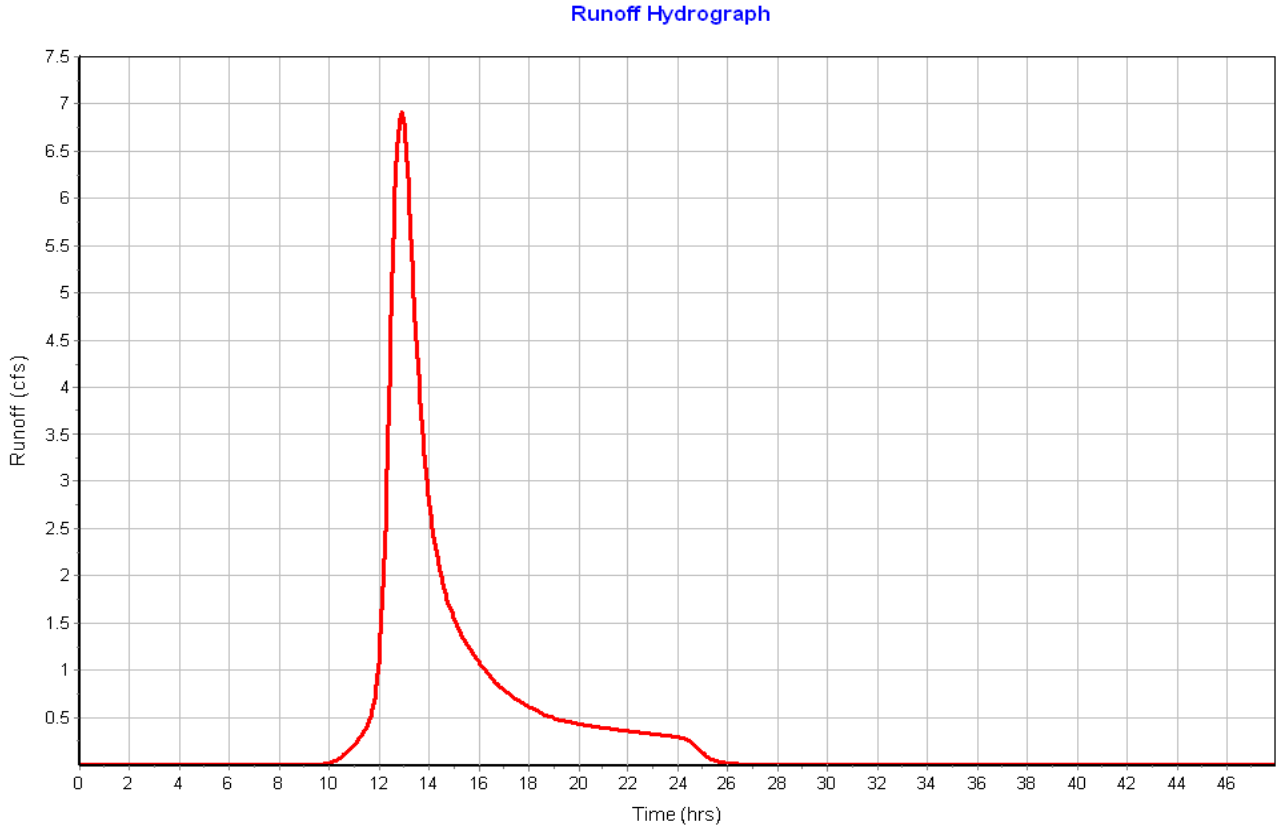
Total TOC (min) 77.86

Subbasin Runoff Results

Total Rainfall (in) 5.50
Total Runoff (in) 2.46
Peak Runoff (cfs) 6.91
Weighted Curve Number 70.54
Time of Concentration (days hh:mm:ss) 0 01:17:52

Subbasin : B-2


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : C

Input Data

Area (ac) 0.21
Weighted Curve Number 75.29
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.12	D	77.00
Brush, Good	0.09	D	73.00
Composite Area & Weighted CN	0.21		75.29

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.6	0.00	0.00
Flow Length (ft) :	80	0.00	0.00
Slope (%) :	4.31	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.07	0.00	0.00
Computed Flow Time (min) :	18.88	0.00	0.00

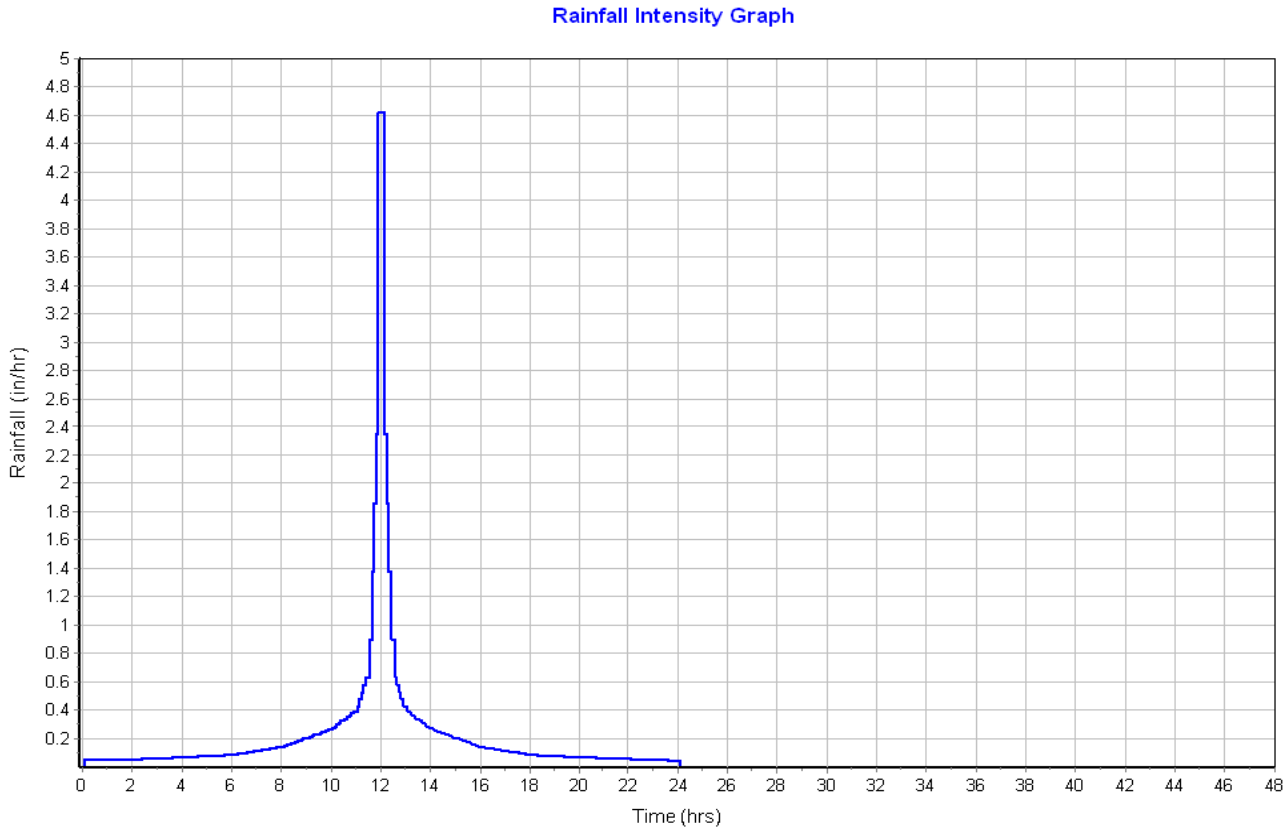
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
Flow Length (ft) :	182	0.00	0.00
Slope (%) :	7.1	0.00	0.00
Surface Type :	Grass pasture	Unpaved	Unpaved
Velocity (ft/sec) :	1.87	0.00	0.00
Computed Flow Time (min) :	1.62	0.00	0.00

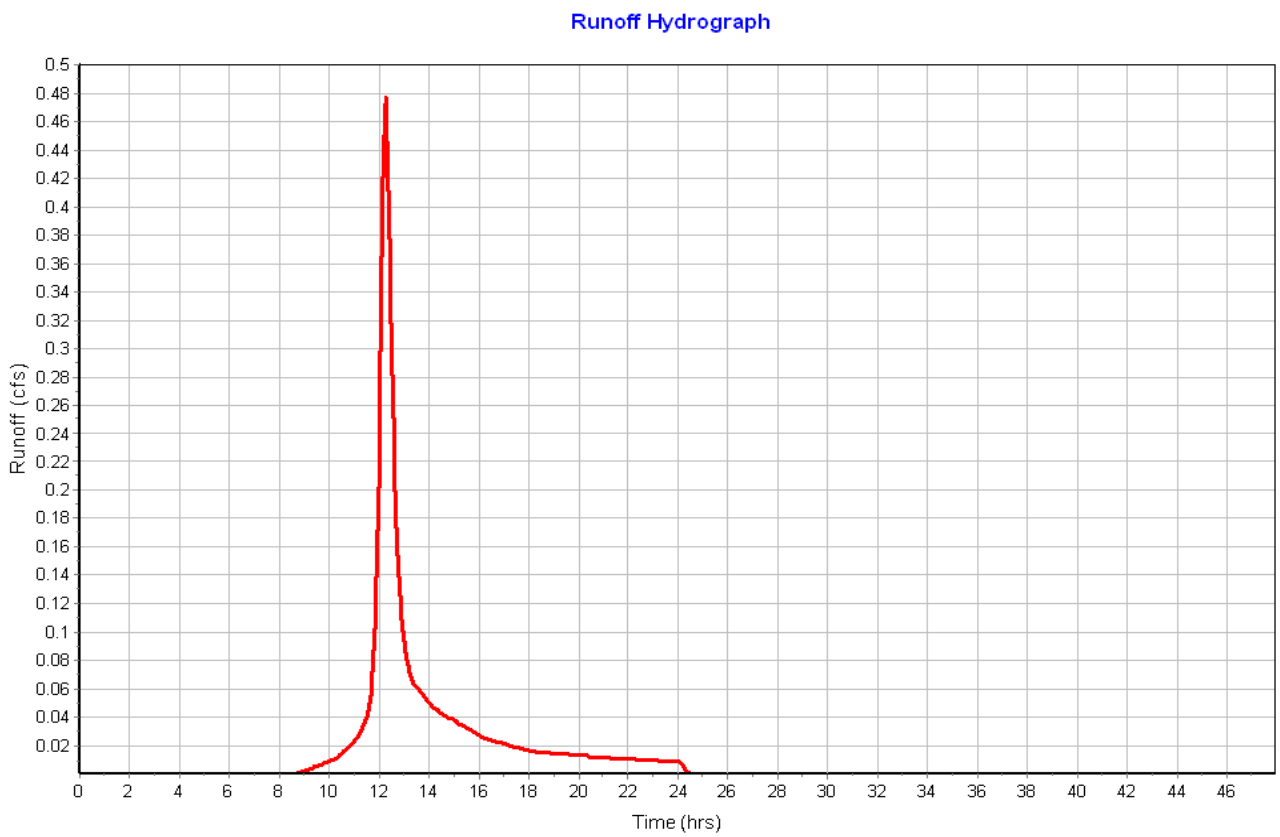
Total TOC (min) 20.50

Subbasin Runoff Results

Total Rainfall (in) 5.50
Total Runoff (in) 2.89
Peak Runoff (cfs) 0.48
Weighted Curve Number 75.29
Time of Concentration (days hh:mm:ss) 0 00:20:30

Subbasin : C


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Subbasin : CulvertDrainageArea

Input Data

Area (ac) 0.68
Weighted Curve Number 75.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
-	0.68	-	75.00
Composite Area & Weighted CN	0.68		75.00

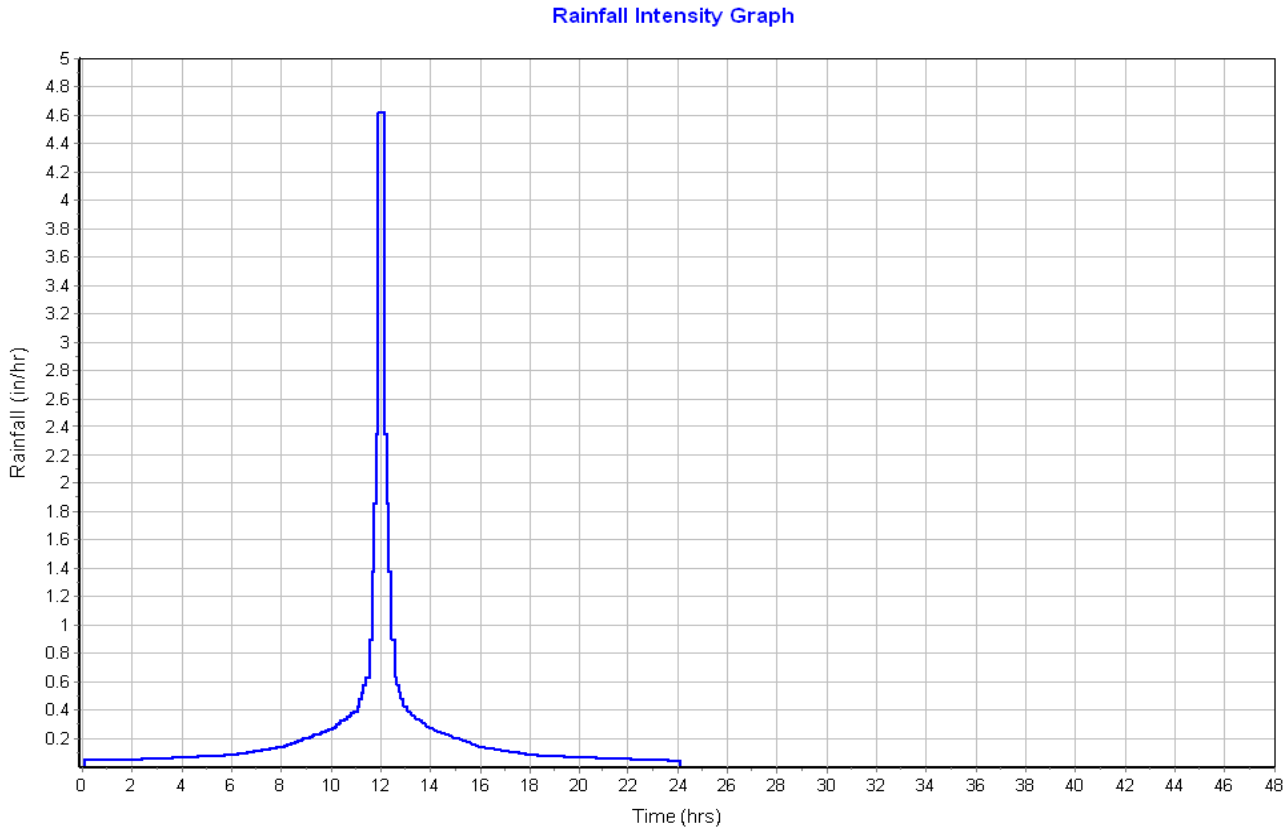
Time of Concentration

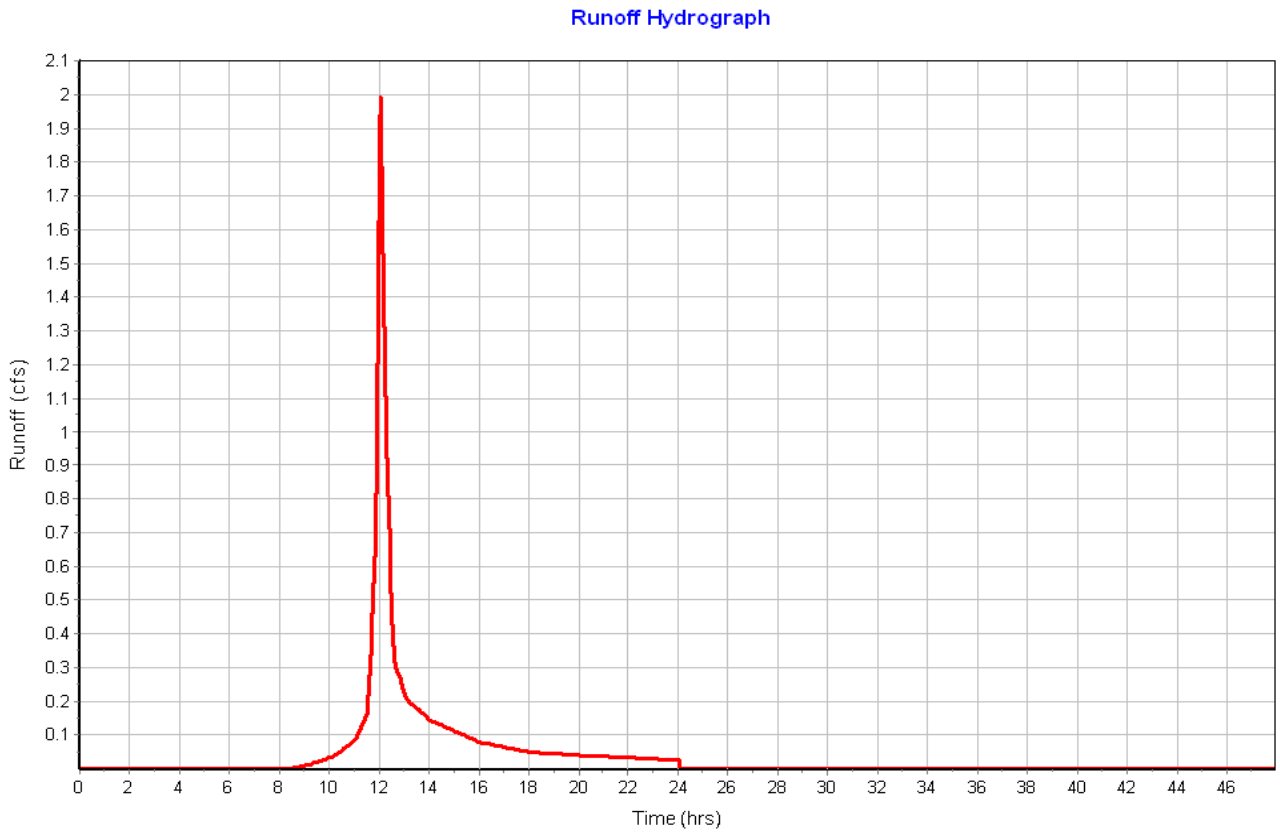
User-Defined TOC override (minutes): 5

Subbasin Runoff Results

Total Rainfall (in) 5.50
Total Runoff (in) 2.86
Peak Runoff (cfs) 2.03
Weighted Curve Number 75.00
Time of Concentration (days hh:mm:ss) 0 00:05:00

Subbasin : CulvertDrainageArea





Subbasin : D

Input Data

Area (ac) 0.12
Weighted Curve Number 77.00
Rain Gage ID ..... Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Woods, Good	0.12	D	77.00
Composite Area & Weighted CN	0.12		77.00

Time of Concentration

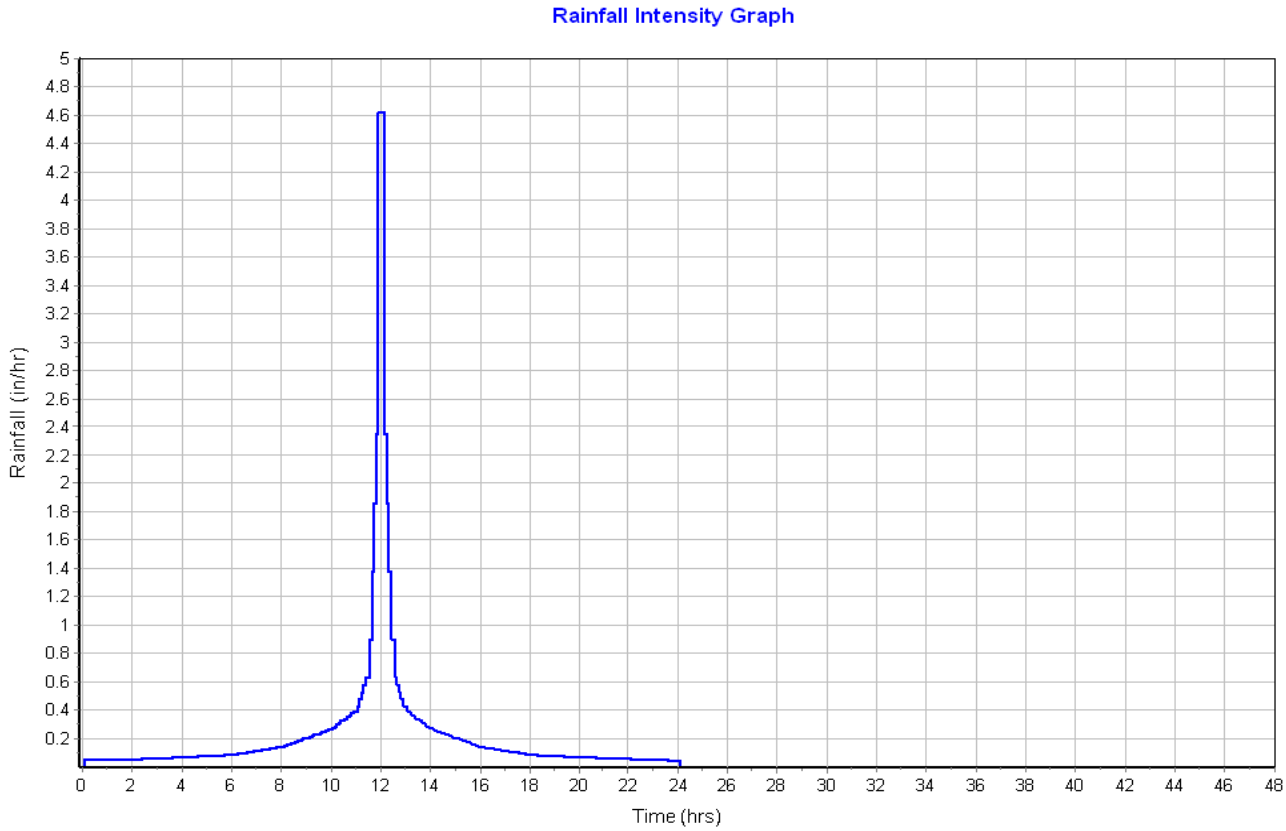
Sheet Flow Computations	Subarea A	Subarea B	Subarea C
Manning's Roughness :	.4	0.00	0.00
Flow Length (ft) :	36	0.00	0.00
Slope (%) :	5.55	0.00	0.00
2 yr, 24 hr Rainfall (in) :	3.00	0.00	0.00
Velocity (ft/sec) :	0.09	0.00	0.00
Computed Flow Time (min) :	6.51	0.00	0.00

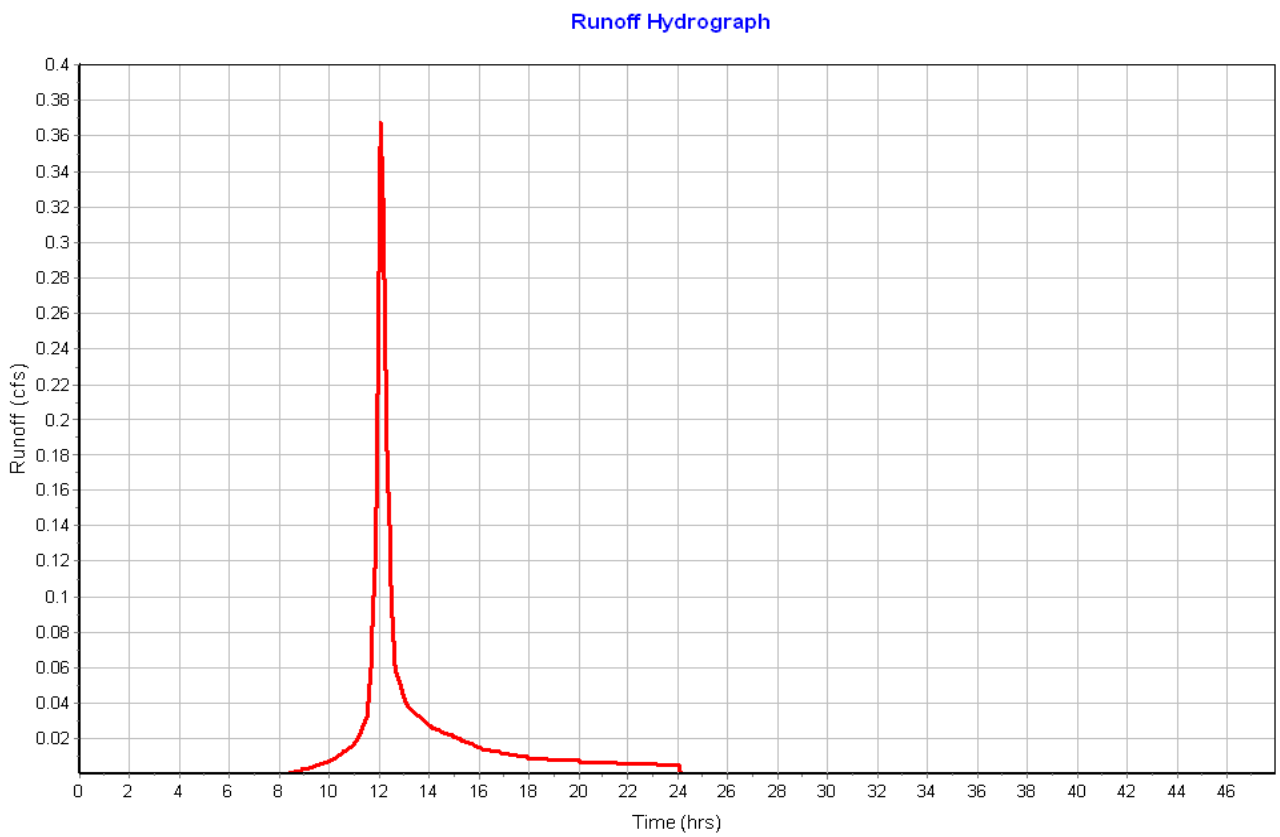
Total TOC (min) 6.51

Subbasin Runoff Results

Total Rainfall (in) 5.50
Total Runoff (in) 3.04
Peak Runoff (cfs) 0.38
Weighted Curve Number 77.00
Time of Concentration (days hh:mm:ss) 0 00:06:31

Subbasin : D


Rainfall Intensity Graph
Rainfall (in/hr)
Time (hrs)


Runoff Hydrograph
Runoff (cfs)
Time (hrs)

Junction Input

Element ID	Invert Elevation (ft)	Ground/Rim (Max) Elevation (ft)
CulvertInlet	181.00	184.00
Out_B1andB2	176.00	6.00

Junction Results

Element ID	Peak Inflow	Max HGL Elevation Attained	Max HGL Depth Attained	Min Freeboard Attained	Average HGL Elevation Attained	Time of Max HGL Occurrence
	(cfs)	(ft)	(ft)	(ft)	(ft)	(days hh:mm)
CulvertInlet	1.99	181.52	0.52	2.48	181.04	0 12:10
Out_B1andB2	7.71	176.00	0.00	0.00	176.00	0 00:00

Pipe Input

Element ID	Length (ft)	Inlet Invert Elevation (ft)	Outlet Invert Elevation (ft)	Average Slope (%)	Pipe Shape	Pipe Diameter or Height (in)	Pipe Width (in)	Manning's Roughness
Direct_to_OutB	1715.96	0.00	0.00	0.0000	Dummy	0.000	0.000	0.0150
Link-03	45.00	181.00	180.55	1.0000	CIRCULAR	15.000	15.000	0.0150

Pipe Results

Element ID	Peak Flow	Time of Peak Flow Occurrence	Design Flow Capacity	Peak Flow Velocity	Peak Flow Depth
	(cfs)	(days hh:mm)	(cfs)	(ft/sec)	(ft)
Direct_to_OutB	7.71	0 12:55	0.00	0.00	0.00
Link-03	1.98	0 12:10	5.60	4.17	0.51

FILTER NOTES:

1. UNDERDRAIN PIPES SHALL BE SCH. 40 PVC. ENDS OF UNDERDRAIN PIPING SHALL BE PLUGGED WITH PIPE FITTINGS. PIPE JOINTS SHALL BE FULLY GLUED.
2. SOIL FILTER OUTLET PIPE SHALL HAVE 6" DIA. BALL VALVE, WITH 22 - 43 GPM FLOW RATE CAPACITY.
3. COMPACT EMBANKMENT MATERIAL TO 93% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D1557.
4. FILTER BED & SIDE SLOPES SHALL BE SEEDED USING "NEW ENGLAND CONSERVATION/WILDLIFE MIX" FROM NEW ENGLAND WETLAND PLANTS, INC.OF AMHERST, MA. OR APPROVED EQUAL (APPLICATION RATE 25#/ACRE).
5. MDOT 703.22 UNDERDRAIN BACKFILL MATERIAL, TYPE B SPECIFICATIONS.

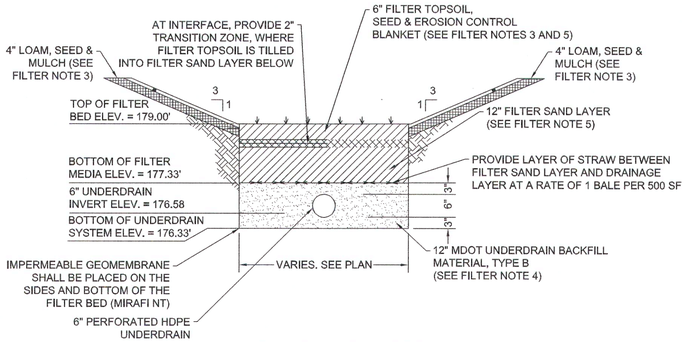
SIEVE	BY WEIGHT
1	90 - 100
1 / 2	75 - 100
#4	50 - 100
#20	15 - 80
#50	0 - 15
#200	0 - 5

6. FILTER MEDIA MATERIALS:
   6.1. FILTER TOPSOIL LAYER: A 6-INCH LAYER OF LOAMY TOPSOIL SUCH AS USDA SANDY LOAM TOPSOIL WITH 5-8% HUMIFIED ORGANIC MATTER. SCREENED TOPSOIL FROM THE SITE MAY BE APPROPRIATE BUT SHALL BE TESTED FOR ORGANIC CONTENT. ORGANIC MATTER (SUCH AS SUPERHUMUS OR EQUIVALENT) MAY BE ADDED IF NECESSARY, PROVIDED THAT THE RESULTING TEXTURE IS SUITABLE. SEE EROSION CONTROL DETAILS FOR EROSION CONTROL BLANKET INSTALLATION REQUIREMENTS.
   6.2. FILTER SAND LAYER: A 12-INCH LAYER OF LOAMY COARSE SAND PER MAINE DEP STORMWATER BEST MANAGEMENT PRACTICES TABLE 7.1.3.

SIEVE	BY WEIGHT
#10	85-100
#20	70-100
#60	15-40
#200	8-15
#200 (CLAY SIZE)	<2.0

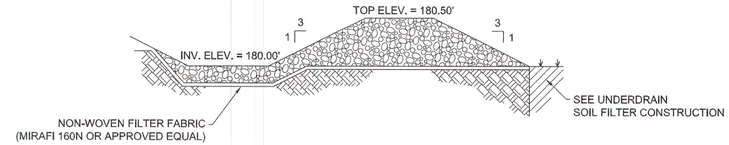
FILTER CONSTRUCTION INSPECTION AND TESTING NOTES:

1. INSPECTION OF THE FILTER BASIN SHALL BE PROVIDED FOR EACH PHASE OF CONSTRUCTION BY THE DESIGN ENGINEER WITH REQUIRED REPORTING TO THE MAINE DEP.
2. AT A MINIMUM INSPECTIONS WILL OCCUR:
   2.1. AFTER PRELIMINARY CONSTRUCTION OF THE FILTER GRADES AND ONCE THE UNDERDRAIN PIPES ARE INSTALLED BUT NOT BACKFILLED;
   2.2. AFTER THE DRAINAGE LAYER IS CONSTRUCTED AND PRIOR TO THE INSTALLATION OF THE FILTER SAND LAYER;
   2.3. AFTER FILTER SAND LAYER IS CONSTRUCTED AND PRIOR TO THE INSTALLATION OF THE FILTER TOPSOIL LAYER;
   2.4. AFTER THE FILTER TOPSOIL LAYER HAS BEEN INSTALLED AND SEEDED; AND
   2.5. AFTER ONE YEAR TO INSPECT HEALTH OF THE VEGETATION AND MAKE CORRECTIONS.
3. THE CONTRACTOR SHALL PROVIDE SUBMITTALS FOR EACH COMPONENT OF THE FILTER MEDIA, IDENTIFYING THE SOURCE.
4. ALL MATERIAL USED FOR THE CONSTRUCTION OF THE FILTER BASIN WILL BE APPROVED BY THE DESIGN ENGINEER, AFTER TESTS BY A CERTIFIED LABORATORY SHOW THAT THEY ARE PASSING MAINE DEP SPECIFICATIONS.
5. THE CONTRACTOR SHALL SUBMIT SAMPLES OF EACH TYPE OF MATERIAL TO BE USED FOR THE MIXED FILTER MEDIA AND SAMPLES OF THE UNDERDRAIN BEDDING MATERIAL. SAMPLES MUST BE A COMPOSITE OF THREE DIFFERENT LOCATIONS (GRABS) FROM THE STOCKPILE OR PIT FACE. SAMPLE SIZE REQUIRED WILL BE DETERMINED BY THE TESTING LABORATORY.
6. THE CONTRACTOR SHALL PERFORM, OR HAVE PERFORMED, A SIEVE ANALYSIS CONFORMING TO ASTM C138 ON EACH TYPE OF THE SAMPLE MATERIAL. ALL MATERIALS SHALL HAVE A CLAY CONTENT OF LESS THAN 2% AS DETERMNED BY HYDROMETER GRAIN SIZE ANALYSIS.
7. THE CONTRACTOR SHALL PERFORM, OR HAVE PERFORMED, A PERMEABILITY TEST ON THE SOIL FILTER MEDIA MATERIALS CONFORMING TO ASTM D2434 WITH THE MIXTURE COMPACTED TO 90 - 92% OF MAXIMUM DRY DENSITY BASED ON ASTM D698.

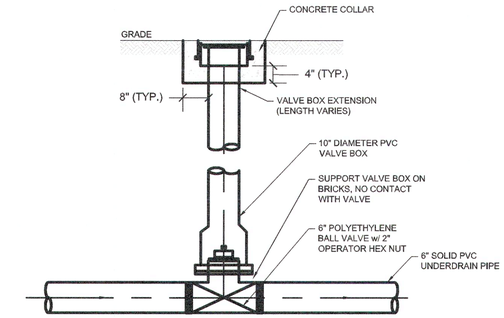


GRASSED UNDERDRAIN SOIL FILTER
CONSTRUCTION DETAILS
NTS

NOTE:
FILTER CROSS SECTION IS SHOWN FOR GRAPHICAL PURPOSES ONLY - NOT TRUE SCALE.



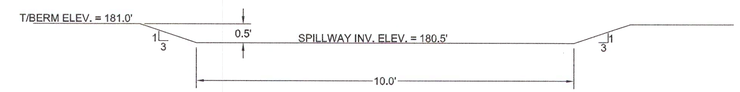
STONE FOREBAY
NTS



NOTES:

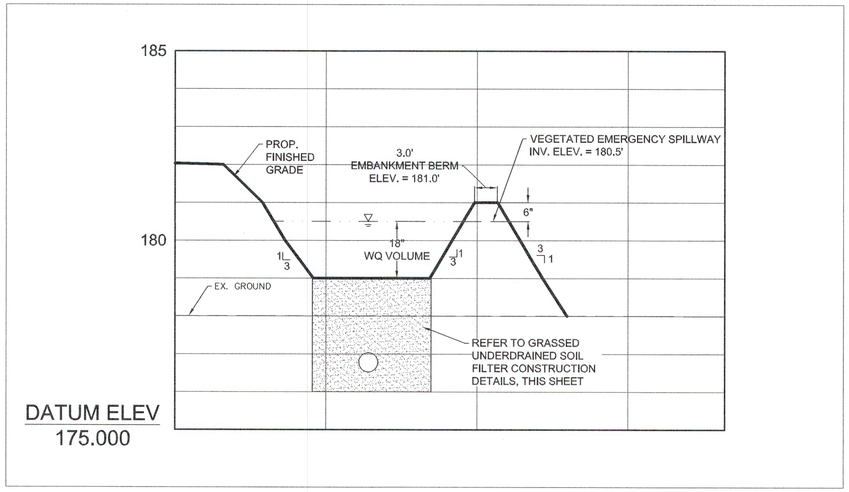
1. INSTALL THE BALL VALVE DURING THE INITIAL PIPE INSTALLATION IN THE FULLY-OPEN POSITION
2. FOLLOWING INITIAL RAIN EVENT THAT PRODUCE OBSERVED OUTFLOW, CLOSE VALVE TO ALLOW AN OUTLFOW OF BETWEEN 22-43 GPM FOR A DEWATERING TIME OF 24-48 HOURS
3. TURN VALVE 1/2 TO 3/4 CLOSED TO ACHIEVE THE REQUIRED MAXIMUM FLOW RATE

6" SOIL FILTER UNDERDRAIN BALL VALVE
NTS



QPEAK, 25-YEAR = 5.55 CFS
VPEAK, 25-YEAR = 1.64 FPS
WEIR LENGTH = 10'
WEIR HEIGHT = 0.5'
FLOW DEPTH, 25-YEAR = 0.31'

UNDERDRAINED SOIL FILTER
EMERGENCY SPILLWAY
NTS



ISSUED FOR REVIEW
NOT FOR CONSTRUCTION 05/29/18

REV.	DESCRIPTION	DATE	BY	CK	APP
B	MEDEP PERMIT SET COMMENT REVISIONS	05/29/18	TJG	KRV	

OWNER ENGINEER:
APPROVAL STAMP:
DRAWING PREPARED BY:
ACCEPTED BY OE:
PE Stamp: STATE OF MAINE, KENNETH R. VOLOCK, NO. 11063, LICENSED PROFESSIONAL ENGINEER, 05-29-18

IUSA ENGINEERING
CONFIDENTIAL, PROPRIETARY and TRADE SECRET INFORMATION
Property of Iberdrola, USA

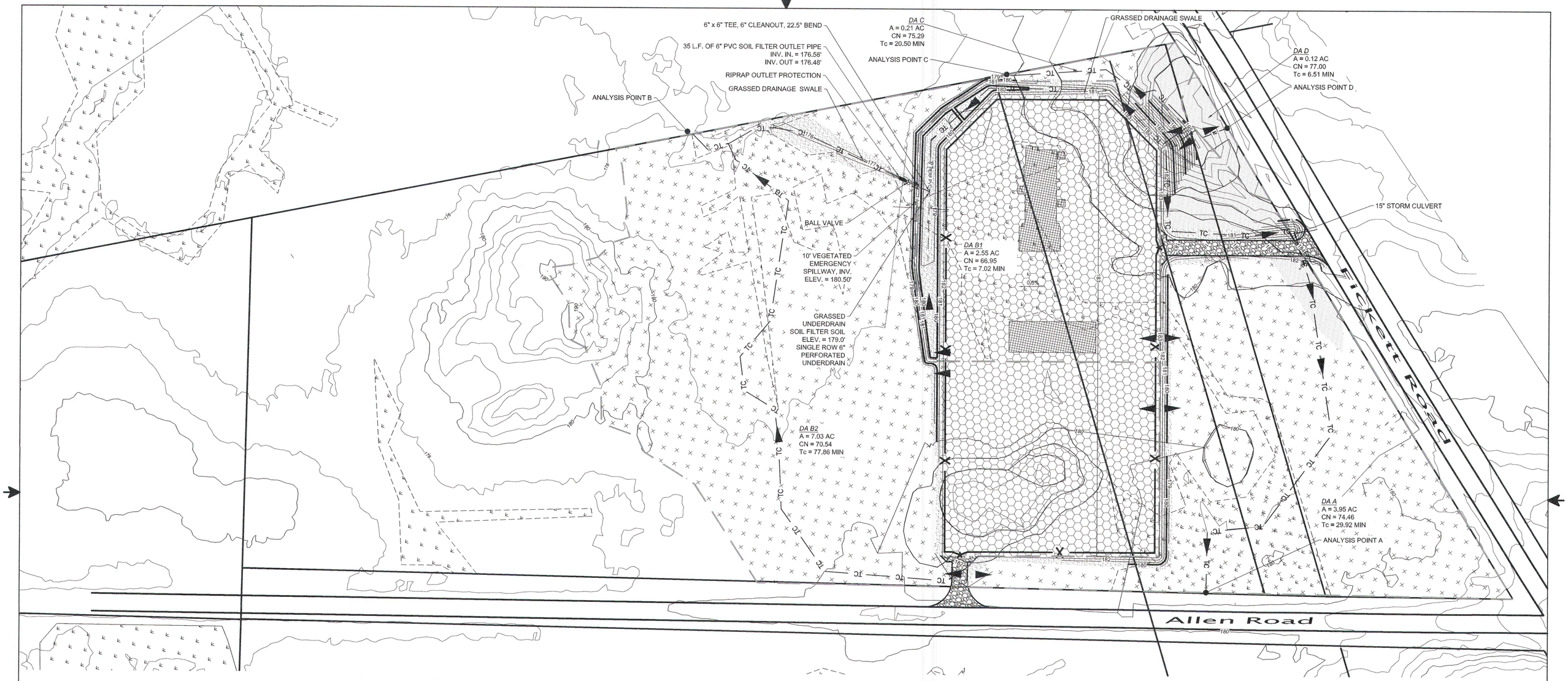
CMP IBERDROLA - USA

REV.	DATE	BY	DESCRIPTION	APP.

STORMWATER TREATMENT PLAN
SH 1 OF 3
FICKETT ROAD/1077 POWNAL, ME

DR.	TJG	SCALE: N/A	FILE: 1077-003-003SH001.DWG
CK.	KRV	NO.	REV.
APP.		1077-003-003	B
DATE:			

ANSI D CADD Drawing, DO NOT REVISE MANUALLY.



LEGEND

- 750 — EX. MAJOR CONTOUR
- 744 — EX. MINOR CONTOUR
- EX. SOIL BOUNDARY *
- EX. OVERHEAD UTILITY
- EX. PROPERTY BOUNDARY
- EX. WETLAND
- 750 — PROP. MAJOR CONTOUR
- 744 — PROP. MINOR CONTOUR
- TC — PROP. TIME OF CONCENTRATION
- PROP. FLOW DIRECTION ARROW
- PROP. DRAINAGE BOUNDARY
- ANALYSIS POINT
- PROP. CULVERT/PIPING

* SITE IS ENTIRELY HSG TYPE D SOILS

- EX. WOODS
- EX. BRUSH
- PROP. DEVELOPED GRASS/LANDSCAPE
- PROP. IMPERVIOUS SURFACE/ROOF
- PROP. STONE PAD
- PROP. GRAVEL ACCESS ROAD

PROPOSED CONDITIONS HYDRAULIC SUMMARY

DRAINAGE AREA	2 - YEAR FLOW RATE (CFS)	10 - YEAR FLOW RATE (CFS)	25 - YEAR FLOW RATE (CFS)	PEAK 2 - YEAR FLOW RATE AT OUTFALL (IF SUBSHEDS PRESENT)	PEAK 10 - YEAR FLOW RATE AT OUTFALL (IF SUBSHEDS PRESENT)	PEAK 25 - YEAR FLOW RATE AT OUTFALL (IF SUBSHEDS PRESENT)
A	2.33	5.71	7.47	N/A	N/A	N/A
B1	1.30	4.05	5.55	2.06	5.73	7.71
B2	1.84	5.14	6.91			
C	0.15	0.37	0.48	N/A	N/A	N/A
D	0.13	0.30	0.38	N/A	N/A	N/A

STORMWATER TREATMENT REQUIREMENTS (% OF TREATED AREA)

LAND TYPE	STATION	STATION % TREATED
IMPERVIOUS TOTAL	3.90 AC	96.15%
IMPERVIOUS TREATED	3.75 AC	
DEVELOPED TOTAL*	4.87 AC	85.83%
DEVELOPED TREATED	4.18 AC	

*DEVELOPED AREA INCLUDES BOTH IMPERVIOUS AND LANDSCAPED SURFACES

STORMWATER TREATMENT FOR PHOSPHOROUS STANDARD

CONDITION	PHOSPHOROUS EXPORT LOAD (LBS P/YEAR)
PROJECT PHOSPHOROUS BUDGET	0.51
PRE-TREATMENT ALGAL AV. P EXPORT	1.65
POST-TREATMENT ALGAL AV. P EXPORT	0.45

0 120 240 Feet

ISSUED FOR REVIEW
NOT FOR CONSTRUCTION 05/29/18

REV.	DESCRIPTION	DATE	BY	CK	APP
B	MEDEP PERMIT SET COMMENT REVISIONS	05/29/18	TJG	KRV	

OWNER ENGINEER:
APPROVAL STAMP:
DRAWING PREPARED BY:
ACCEPTED BY OE:
PE Stamp: STATE OF MAINE KENNETH R. KOLDCY No. 11054 LICENSED PROFESSIONAL ENGINEER 05-29-18 Rev. B

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REV.	DATE	BY	DESCRIPTION	APP.

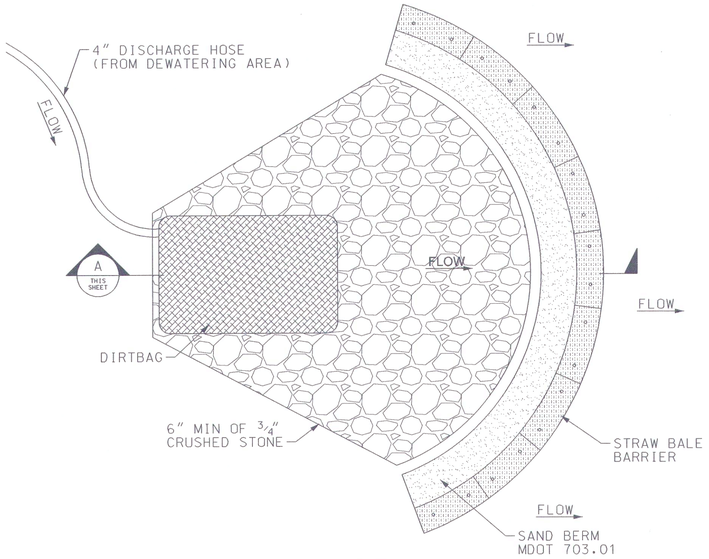
POST-DEVELOPMENT STORMWATER PLAN

SH 3 OF 3

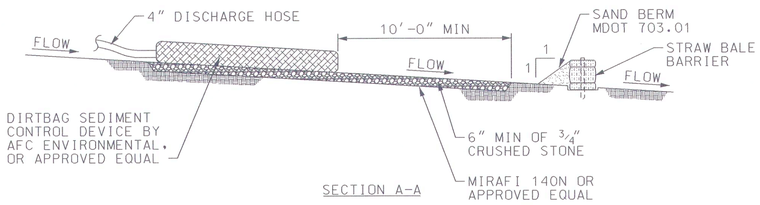
FICKETT ROAD/1077 POWNAL, ME

DR. TJG | SCALE: 1" = 60' | FILE: 1077-003-003SH003.DWG
CK. KRV | NO. 1077-003-003 | REV. B
APP.
DATE:

ANSI D CADD Drawing. DO NOT REVISE MANUALLY.

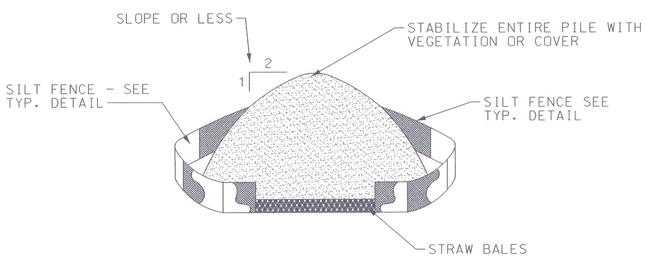


PLAN



SECTION A-A

DEWATERING SYSTEM DETAIL
NTS



INSTALLATION NOTES:

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2H:1V.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAW BALES, THEN STABILIZED WITH VEGETATION OR COVERED.

TYPICAL TOPSOIL STOCKPILE
NTS

DEWATERING NOTES:

1. THE CONTRACTOR SHALL INSTALL, MAINTAIN, AND OPERATE ALL CHANNELS, SUMPS, AND ALL OTHER TEMPORARY DIVERSION AND PROTECTIVE WORKS NEEDED TO DIVERT STREAM FLOW AND OTHER SURFACE WATER THROUGH OR AROUND THE CONSTRUCTION SITE. CONTROL OF SURFACE WATER SHALL BE CONTINUOUS DURING THE PERIOD THAT DAMAGE TO CONSTRUCTION WORK COULD OCCUR.
2. OPEN EXCAVATIONS SHALL BE DEWATERED AND KEPT FREE OF STANDING WATER AND MUDDY CONDITIONS AS NECESSARY FOR THE PROPER EXECUTION OF THE WORK. THE CONTRACTOR SHALL FURNISH, INSTALL, OPERATE, AND MAINTAIN ALL DRAINS, SUMPS AND ALL OTHER EQUIPMENT REQUIRED TO PROPERLY DEWATER THE SITE. DEWATERING SYSTEMS THAT CAUSE A LOSS OF SOIL FINES FROM THE FOUNDATION AREAS WILL NOT BE PERMITTED.
3. INSTALL DIVERSION DITCHES OR BERMS IF NECESSARY TO MINIMIZE THE AMOUNT OF CLEAN STORMWATER RUNOFF ALLOWED INTO THE EXCAVATED AREA.
4. REMOVAL OF WATER FROM THE CONSTRUCTION SITE SHALL BE ACCOMPLISHED SO THAT EROSION AND THE TRANSPORTING OF SEDIMENT AND OTHER POLLUTANTS ARE MINIMIZED.
5. DISCHARGE DEWATERING EFFLUENT TO AREAS AS INDICATED ON THE SITE GRADING PLAN. DISCHARGE SHALL BE IN SHEET FLOW.
6. DEWATERING IN PERIODS OF INTENSE, HEAVY RAIN, WHEN THE INFILTRATIVE CAPACITY OF THE SOIL IS EXCEEDED, SHALL BE AVOIDED.
7. FLOW TO THE SEDIMENT REMOVAL STRUCTURE MAY NOT EXCEED THE STRUCTURE'S CAPACITY TO SETTLE AND FILTER FLOW OR THE STRUCTURE'S VOLUME CAPACITY.
8. WHEN TEMPORARY WORKS ARE NO LONGER NEEDED, THE CONTRACTOR SHALL REMOVE AND RETURN THE AREA TO A CONDITION SIMILAR TO THAT WHICH EXISTED BEFORE CONSTRUCTION. AREAS WHERE TEMPORARY WORKS WERE LOCATED SHALL BE GRADED FOR SIGHTLY APPEARANCE WITH NO OBSTRUCTION TO NATURAL SURFACE WATER FLOWS OR THE PROPER FUNCTIONING AND ACCESS TO THE WORKS OF IMPROVEMENT INSTALLED. THE CONTRACTOR SHALL EXERCISE EXTREME CARE DURING THE REMOVAL STAGES TO MINIMIZE THE LOSS OF SOIL SEDIMENT AND DEBRIS THAT WAS TRAPPED DURING CONSTRUCTION.

HOUSEKEEPING PLAN:

(MAINE DEP CHAPTER 500, APPENDIX C)

1. SPILL PREVENTION. CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM CONSTRUCTION AND WASTE MATERIALS STORED ON SITE TO ENTER STORMWATER, WHICH INCLUDES STORAGE PRACTICES TO MINIMIZE EXPOSURE OF THE MATERIALS TO STORMWATER. THE SITE CONTRACTOR OR OPERATOR MUST DEVELOP, AND IMPLEMENT AS NECESSARY, APPROPRIATE SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLANNING MEASURES. ANY SPILL OR RELEASE OF TOXIC OR HAZARDOUS SUBSTANCES MUST BE REPORTED TO THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION (MDEP). FOR OIL SPILLS, CALL 1-800-482-0777 WHICH IS AVAILABLE 24 HOURS A DAY. FOR SPILLS OF TOXIC OR HAZARDOUS MATERIAL, CALL 1-800-452-4664 WHICH IS AVAILABLE 24 HOURS A DAY. FOR MORE INFORMATION, VISIT THE MDEP'S WEBSITE AT: http://www.maine.gov/dep/spills/emergspillresp/
2. GROUNDWATER PROTECTION. DURING CONSTRUCTION, LIQUID PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUNDWATER MAY NOT BE STORED OR HANDLED IN AREAS OF THE SITE DRAINING TO AN INFILTRATION AREA. AN "INFILTRATION AREA" IS ANY AREA OF THE SITE THAT BY DESIGN OR AS A RESULT OF SOILS, TOPOGRAPHY AND OTHER RELEVANT FACTORS ACCUMULATES RUNOFF THAT INFILTRATES INTO THE SOIL. DIKES, BERMS, SUMPS, AND OTHER FORMS OF SECONDARY CONTAINMENT THAT PREVENT DISCHARGE TO GROUNDWATER MAY BE USED TO ISOLATE PORTIONS OF THE SITE FOR THE PURPOSES OF STORAGE AND HANDLING OF THESE MATERIALS. ANY PROJECT PROPOSING INFILTRATION OF STORMWATER MUST PROVIDE ADEQUATE PRE-TREATMENT OF STORMWATER PRIOR TO DISCHARGE OF STORMWATER TO THE INFILTRATION AREA, OR PROVIDE FOR TREATMENT WITHIN THE INFILTRATION AREA, IN ORDER TO PREVENT THE ACCUMULATION OF FINES, REDUCTION IN INFILTRATION RATE, AND CONSEQUENT FLOODING AND DESTABILIZATION.

   LACK OF APPROPRIATE POLLUTANT REMOVAL BEST MANAGEMENT PRACTICES (BMPS) MAY RESULT IN VIOLATIONS OF THE GROUNDWATER QUALITY STANDARD ESTABLISHED BY 38 M.R.S.A. SECTION 465-C(1).
3. FUGITIVE SEDIMENT AND DUST. ACTIONS MUST BE TAKEN TO ENSURE THAT ACTIVITIES DO NOT RESULT IN NOTICEABLE EROSION OF SOILS OR FUGITIVE DUST EMISSIONS DURING OR AFTER CONSTRUCTION. OIL MAY NOT BE USED FOR DUST CONTROL, BUT OTHER WATER ADDITIVES MAY BE CONSIDERED AS NEEDED. A STABILIZED CONSTRUCTION ENTRANCE (SCE) SHOULD BE INCLUDED TO MINIMIZE TRACKING OF MUD AND SEDIMENT. IF OFF-SITE TRACKING OCCURS, PUBLIC ROADS SHOULD BE SWEPT IMMEDIATELY AND NO LESS THAN ONCE A WEEK AND PRIOR TO SIGNIFICANT STORM EVENTS. OPERATIONS DURING DRY MONTHS, THAT EXPERIENCE FUGITIVE DUST PROBLEMS, SHOULD WET DOWN UNPAVED ACCESS ROADS ONCE A WEEK OR MORE FREQUENTLY AS NEEDED WITH A WATER ADDITIVE TO SUPPRESS FUGITIVE SEDIMENT AND DUST.

   DEWATERING A STREAM WITHOUT A PERMIT FROM THE MDEP MAY VIOLATE STATE WATER QUALITY STANDARDS AND THE NATURAL RESOURCES PROTECTION ACT.

HOUSEKEEPING PLAN (CONT):

4. DEBRIS AND OTHER MATERIALS. MINIMIZE THE EXPOSURE OF CONSTRUCTION DEBRIS, BUILDING AND LANDSCAPING MATERIALS, TRASH, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS TO PRECIPITATION AND STORMWATER RUNOFF. THESE MATERIALS MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.

   TO PREVENT THESE MATERIALS FROM BECOMING A SOURCE OF POLLUTANTS, CONSTRUCTION AND POST-CONSTRUCTION ACTIVITIES RELATED TO A PROJECT MAY BE REQUIRED TO COMPLY WITH APPLICABLE PROVISION OF RULES RELATED TO SOLID, UNIVERSAL, AND HAZARDOUS WASTE, INCLUDING, BUT NOT LIMITED TO, THE MAINE SOLID WASTE AND HAZARDOUS WASTE MANAGEMENT RULES; MAINE HAZARDOUS WASTE MANAGEMENT RULES; MAINE OIL CONVEYANCE AND STORAGE RULES; AND MAINE PESTICIDE REQUIREMENTS.
5. EXCAVATION DE-WATERING. EXCAVATION DE-WATERING IS THE REMOVAL OF WATER FROM TRENCHES, FOUNDATIONS, COFFER DAMS, PONDS, AND OTHER AREAS WITHIN THE CONSTRUCTION AREA THAT RETAIN WATER AFTER EXCAVATION. IN MOST CASES THE COLLECTED WATER IS HEAVILY SILTED AND HINDERS CORRECT AND SAFE CONSTRUCTION PRACTICES. THE COLLECTED WATER REMOVED FROM THE PONDED AREA, EITHER THROUGH GRAVITY OR PUMPING, MUST BE SPREAD THROUGH NATURAL WOODED BUFFERS OR REMOVED TO AREAS THAT ARE SPECIFICALLY DESIGNED TO COLLECT THE MAXIMUM AMOUNT OF SEDIMENT POSSIBLE, LIKE A COFFERDAM SEDIMENTATION BASIN. AVOID ALLOWING THE WATER TO FLOW OVER DISTURBED AREAS OF THE SITE. EQUIVALENT MEASURES MAY BE TAKEN IF APPROVED BY THE MDEP.
6. AUTHORIZED NON-STORMWATER DISCHARGES. IDENTIFY AND PREVENT CONTAMINATION BY NON-STORMWATER DISCHARGES. WHERE ALLOWED NON-STORMWATER DISCHARGES EXIST, THEY MUST BE IDENTIFIED AND STEPS SHOULD BE TAKEN TO ENSURE THE IMPLEMENTATION OF APPROPRIATE POLLUTION PREVENTION MEASURES FOR THE NON-STORMWATER COMPONENT(S) OF THE DISCHARGE. AUTHORIZED NON-STORMWATER DISCHARGES ARE:

   (A)DISCHARGES FROM FIREFIGHTING ACTIVITY;
   (B)FIRE HYDRANT FLUSHINGS;
   (C)VEHICLE WASHWATER IF DETERGENTS ARE NOTUSED AND WASHING IS LIMITED TO THE EXTERIOR OF VEHICLES (ENGINE, UNDERCARRIAGE AND TRANSMISSION WASHING IS PROHIBITED);
   (D)DUST CONTROL RUNOFF IN ACCORDANCE WITH PERMIT CONDITIONS AND PARAGRAPH 3 ABOVE;
   (E)ROUTINE EXTERNAL BUILDING WASHDOWN, NOT INCLUDING SURFACE PAINT REMOVAL, THAT DOES NOT INVOLVE DETERGENTS;
   (F)PAVEMENT WASHWATER (WHERE SPILLS/LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED, UNLESS ALL SPILLED MATERIAL HAD BEEN REMOVED) IF DETERGENTS ARE NOT USED;
   (G)UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE;
   (H)UNCONTAMINATED GROUNDWATER OR SPRING WATER;
   (I)FOUNDATION OR FOOTER DRAIN-WATER WHERE FLOWS ARE NOT CONTAMINATED;
   (J)UNCONTAMINATED EXCAVATION DEWATERING (SEE REQUIREMENTS IN PARAGRAPH 5 ABOVE);
   (K)POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHINGS; AND LANDSCAPE IRRIGATION.
7. UNAUTHORIZED NON-STORMWATER DISCHARGES. THE MDEP'S APPROVAL UNDER THIS CHAPTER DOES NOT AUTHORIZE A DISCHARGE THAT IS MIXED WITH A SOURCE OF NONSTORMWATER, OTHER THAN THOSE DISCHARGES IN COMPLIANCE WITH PARAGRAPH 6 ABOVE. SPECIFICALLY, THE MDEP'S APPROVAL DOES NOT AUTHORIZE DISCHARGES OF THE FOLLOWING:

   (A)WASTEWATER FROM THE WASHOUT OR CLEANOUT OF CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS OR OTHER CONSTRUCTION MATERIALS;
   (B)FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE;
   (C)SOAPS, SOLVENTS, OR DETERGENTS USED IN VEHICLE AND EQUIPMENT WASHING; AND
   (D)TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE.

ISSUED FOR REVIEW
NOT FOR CONSTRUCTION 05/29/18

REV.	DESCRIPTION	DATE	BY	CK	APP
B	MEDEP PERMIT SET COMMENT REVISIONS	05/29/18	EVD	KRV	

OWNER ENGINEER:
APPROVAL STAMP:
DRAWING PREPARED BY:
ACCEPTED BY OE:
PE Stamp: STATE OF MAINE, KENNETH P. VOLOCK, No. 11082, LICENSED, PROFESSIONAL ENGINEER, 05-29-18, Rev. B

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REV.	DATE	BY	DESCRIPTION	APP.

SITE DETAILS 4

SH 4 OF 5

FICKETT ROAD/1077 POWNAL, ME

DR. EVD | SCALE: AS NOTED | FILE: 1077-003-005SH005.DWG
CK. KRV | NO. 1077-003-005 | REV. B
APP.
DATE:

ANSI D CADD Drawing, DO NOT REVISE MANUALLY.

CONSTRUCTION SEQUENCE:

1. ESTABLISH CONSTRUCTION WORKSPACE LIMITS; IDENTIFY AND MARK SENSITIVE RESOURCES.
2. PERFORM ALL WORK IN ACCORDANCE WITH MAINE EROSION AND SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS (2015).
3. PRIOR TO USAGE, CONSTRUCT AND STABILIZE THE CONSTRUCTION ENTRANCE ON THE EXISTING PERMANENT ACCESS ROAD WITH A STONE PAD, MUD RACK, OR OTHER MATERIALS USED TO REDUCE THE TRACKING OR FLOWING OF SEDIMENT OFF THE SITE AND MAINTAIN UNTIL PAVING IS COMPLETED.
4. CLEAR TIMBER AND BRUSH; DO NOT GRUB UNTIL JUST PRIOR TO PRELIMINARY GRADING AND ESTABLISHMENT AND STABILIZATION OF TEMPORARY OR PERMANENT DRAINAGE COURSES.
5. INSTALL AND MAINTAIN SEDIMENT BARRIERS SUCH AS SILT FENCING AND/OR OTHER EROSION CONTROL BARRIERS ALONG THE DOWNHILL LIMIT OF WORK, AS SHOWN ON THE DRAWINGS. SEDIMENT BARRIER LOCATIONS MAY BE ADJUSTED IN THE FIELD BASED ON SITE CONDITIONS AS DETERMINED BY THE ENGINEERING INSPECTOR. WHERE SILT FENCE CANNOT BE TOED-IN PROPERLY DUE TO TREE ROOTS, ROCKS OR FROZEN GROUND, HAY BALES OR AN EROSION CONTROL MIX BERM MAY BE SUBSTITUTED. SILT FENCING WILL BE INSTALLED AFTER CLEARING BUT PRIOR TO GRUBBING AND GRADING ACTIVITIES. ANY EROSION ISSUES DEVELOPED DURING CLEARING WILL BE TEMPORARILY STABILIZED AS NECESSARY.
6. STABILIZE PERMANENT ACCESS ROAD SURFACE, PARKING AREAS AND EQUIPMENT STORAGE AND LAYDOWN AREAS WITH MATTING, CRUSHED STONE OR GRAVEL SUBBASE AS NECESSARY TO MINIMIZE RUTTING AND AVOID PONDING.
7. CONCURRENT WITH INITIATION OF SITE GRADING, CONSTRUCT AND STABILIZE TEMPORARY DRAINAGE SWALES, DIVERSION BERMS, CHECK DAMS, AND CULVERTS WITH TEMPORARY INLET AND OUTLET STRUCTURES TO MINIMIZE SEDIMENT IN SITE RUNOFF DURING THE CONSTRUCTION OF THE ROADWAY. DEWATER IN ACCORDANCE WITH DEWATERING NOTES BELOW.
8. INSTALL PROPERLY SPACED STONE CHECK DAMS IN ANY SECTION OF DITCH WITHIN 24 HOURS OF FORMING, SHAPING OR ROUGH GRADING THAT SECTION OF DITCH.
9. MINIMIZE THE AMOUNT OF DISTURBANCE AT ANY ONE TIME BY STAGING CONSTRUCTION AS MUCH AS PRACTICAL FOR EFFICIENT CONSTRUCTION OF THE FACILITY. NATURAL VEGETATIVE BUFFERS OR STRIPS SHOULD BE LEFT IN PLACE WHERE FEASIBLE TO AID IN SEDIMENT RETENTION AND REDUCE EROSION POTENTIAL.
10. STABILIZE ANY NEWLY GRADED SLOPE GREATER THAN EIGHT PERCENT AND ANY SECTION OF NEWLY CONSTRUCTED DITCH USING ANCHORED EROSION CONTROL BLANKETS OR OTHER APPROVED MULCHING TECHNIQUES WITHIN 24 HOURS. STABILIZE ANY SLOPE EXCEEDING EIGHT PERCENT AND BROUGHT TO FINAL GRADE WITHIN 24 HOURS USING ANCHORED EROSION CONTROL BLANKETS OR EROSION CONTROL MIX APPLIED IN ACCORDANCE WITH MAINE EROSION AND SEDIMENT PRACTICES FIELD GUIDE FOR CONTRACTORS (2015). STABILIZE ANY SECTION OF DITCH BROUGHT TO FINAL GRADE WITHIN 24 HOURS USING THE APPROVED PERMANENT STABILIZATION MEASURES FOR DITCHES.
11. DUST CONTROL METHODS WILL BE EMPLOYED AFTER GRADING AND PRIOR TO FINAL STABILIZATION TO PREVENT THE BLOWING AND MOVEMENT OF DUST THROUGH THE APPLICATION OF WATER AND/OR CALCIUM CHLORIDE TO REDUCE WIND EROSION. REPETITIVE TREATMENT WILL BE APPLIED AS NEEDED TO ACCOMPLISH CONTROL.
12. APPLY TEMPORARY SEED AND MULCH TO ANY EXPOSED AREAS WHERE ACTIVITY IS NOT ANTICIPATED FOR 30 DAYS OR MORE, OR WHERE ACTIVITY HAS NOT OCCURRED WITHIN 30 DAYS. TEMPORARILY MULCH ANY EXPOSED AREAS WHERE ACTIVITY IS NOT ANTICIPATED OR HAS NOT OCCURRED IN 7 DAYS.
13. REMOVE EXCESS SPOILS FROM SITE THAT WILL NOT BE USED FOR THE FINAL DESIGN AND STABILIZATION. STOCKPILED SOILS THAT REMAIN IN PLACE FOR 48 HOURS OR MORE WILL BE CONTAINED WITH SEDIMENT BARRIERS SUCH AS SILT FENCE, HAY BALES OR EQUIVALENT. THE SEDIMENT BARRIERS SHALL BE ADEQUATELY LOCATED AND REINFORCED TO HANDLE A SIGNIFICANT RAIN EVENT AND THE POTENTIAL SLUMPING OF THE PILE. BETWEEN MAY 1 AND OCTOBER 15, APPLY TEMPORARY SEED AND MULCH TO A STOCKPILE THAT IS NOT EXPECTED TO BE DISTURBED WITHIN 30 DAYS. APPLY ANCHORED MULCH DAILY, AS NEEDED, DURING WINTER CONSTRUCTION.
14. INSPECT AND REPAIR EROSION CONTROL MEASURES DAILY IN AREAS OF ACTIVE CONSTRUCTION; OTHERWISE WEEKLY AND AFTER RAINFALL OF 1/2" OR GREATER WITHIN A 24-HOUR PERIOD. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE BARRIER.
15. MONITOR PUBLIC ROADS FOR SIGNS OF TRACKING OR SPILLING OF SPOIL MATERIAL AND CLEAN UP AS NEEDED.
16. COMPLETE FINAL GRADING AND STABILIZATION OF EARTHEN STRUCTURES SUCH AS DIVERSION BERMS, DITCH TURNOUTS AND SWALES THAT WILL CONTROL RUNOFF.
17. FINISH GRADE AND REPLACE TOPSOIL OR LOAM IN DISTURBED AREAS. SEED AND MULCH DISTURBED AREAS WITHIN 6 DAYS OF FINAL GRADING.
18. MAINTAIN ALL TEMPORARY EROSION CONTROLS AND SEDIMENT BARRIERS UNTIL VEGETATION HAS BEEN ESTABLISHED OVER 85-90% OF THE AREA TO BE RE-VEGETATED. RESEED SPARSELY VEGETATED AREAS.
19. REMOVE ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES ONCE THE SITE IS PERMANENTLY STABILIZED.

FERTILIZER AND LIMESTONE REQUIREMENTS:

IN GENERAL, FERTILIZER AND LIME APPLICATION RATES WILL FOLLOW THE GUIDELINES IDENTIFIED BELOW UNLESS SITE SPECIFIC SOIL TESTS IDENTIFY THE NEED FOR ALTERNATIVE FERTILIZER/LIME APPLICATION RATES. FERTILIZER WILL BE APPLIED TO UPLAND AREAS PRIOR TO SEEDING AT A RATE OF 800 POUNDS PER ACRE USING 10-20-20 OR EQUIVALENT. GROUND LIMESTONE (EQUIVALENT TO 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) WILL BE APPLIED AT A RATE OF 3 TONS PER ACRE. AN EQUIVALENT MIXTURE OF FERTILIZER AND LIME MAY BE APPLIED USING THE HYDROSEEDING METHOD. NO LIME OR FERTILIZER WILL BE APPLIED TO WETLANDS.

MULCH AND SEEDING SPECIFICATIONS

SUMMARY OF TEMPORARY AND PERMANENT MULCH APPLICATION REQUIREMENTS

CONDITION	TIMING	MULCH TYPE[1,2]	APPLICATION RATES
TEMPORARY			
	IF NO ACTIVITY IN EXPOSED AREAS FOR 7 DAYS, OR PRIOR TO A STORM EVENT	STRAW MULCH OR WOOD FIBER MULCH	2 TONS/ACRES 2000 LB./ACRES
ALL DISTRIBUTED AREAS OF THE CONSTRUCTION WORKSPACE	APPLY MULCH TO ALL EXPOSED AREAS IF NO ACTIVITY OCCURS WITHIN 30 DAYS. APPLY MULCH AND TEMPORARY SEEDING SOONER WHEN IT CAN BE ANTICIPATED THAT ACTIVITY IS NOT GOING TO OCCUR WITHIN 30 DAYS.	STRAW MULCH OR WOOD FIBER MULCH	2 TONS/ACRES 2000 LB./ACRES[3]
ALL WORK AREAS EXPOSED ARE TO BE MULCHED DAILY EACH TIME SOIL IS DISTURBED	OCTOBER 15 - MAY 1	STRAW MULCH OR WOOD FIBER MULCH	3 TONS/ACRES 2000 LB./ACRES
PERMANENT			
ON ALL EXPOSED AREAS AFTER SEEDING TO STABILIZE THE SOIL SURFACE	PERMANENT GRASS AND/OR LEGUME SEEDING COVERED BY HAY OR STRAW MULCH ON ALL AREAS THAT HAVE BEEN RESTORED TO FINAL GRADE. THIS DOES NOT APPLY TO AREAS STABILIZED BY OTHER MEANS SUCH AS JUTE MATTING OR PERMANENT EROSION CONTROL MIX.	CRIMPED STRAW MULCH OR PAPER MULCH OR WOOD FIBER MULCH	2 TONS/ACRES 1500 LB./ACRES[4] 2000 LB./ACRES
WOOD CHIP APPLICATION AREAS	PERMANENT GRASS AND/OR LEGUME SEEDING COVERED BY HAY OR STRAW MULCH ON ALL AREAS THAT HAVE BEEN RESTORED TO FINAL GRADE. THIS DOES NOT APPLY TO AREAS STABILIZED BY OTHER MEANS SUCH AS JUTE MATTING OR PERMANENT EROSION CONTROL MIX.	CRIMPED STRAW MULCH OR PAPER MULCH OR WOOD FIBER MULCH	2 TONS/ACRES 1500 LB./ACRES[4] 2000 LB./ACRES

NOTES:
1. STRAW AND HAY MULCH MAY BE USED INTERCHANGEABLY, EXCEPT IN WETLAND AREAS WHERE STRAW MULCH WILL BE REQUIRED.
2. DOUBLE RATE OF WOOD FIBER MULCH WHEN USED IN CRITICAL AREAS.
3. STRAW, HAY, OR HYDROMULCH (WOOD FIBER OR PAPER MULCH AS APPROPRIATE) WILL PROVIDE 90 PERCENT GROUND COVERAGE
4. PAPER MULCH IS ACCEPTABLE FOR USE DURING THE GROWING SEASON. ON SLOPES GREATER THAN 30 PERCENT AND IN AREAS WHERE VEGETATION HAS NOT ESTABLISHED WELL, ADDITIONAL HAY MULCH WILL BE ADDED AS A WINTERIZING MEASURE.

SEED MIX SPECIFICATIONS

SEED MIX NAME	SEED MIX COMPONENTS	LB./ACRE[1]
TEMPORARY SEED MIX	ANNUAL RYEGRASS	40
PERMANENT UPLAND SEED MIX	REDTOP CREEPING RED FESCUE TALL FESCUE BIRDSFOOT TREFOIL	4 40 40 16
WOOD CHIP APPLICATION SEED MIX	CREEPING RED FESCUE REDTOP TALL FESCUE CROWNVETCH	20 4 30 30
WETLAND SEED MIX	ANNUAL RYEGRASS	40
SUPPLEMENTAL WINTER SEED MIX[2]	WINTER RYEGRASS	120

NOTES:
1. INCREASE SEEDING RATES 10% WHEN HYDROSEEDING
2. WINTER RYE WILL BE ADDED TO PERMANENT UPLAND MIX AT A RATE OF 120 LB./ACRE BETWEEN OCTOBER 15 AND MAY 1

MULCH ANCHORING REQUIREMENTS

ON SLOPES GREATER THAN 3 PER CENT, HAY OR STRAW MULCH WILL BE FIRMLY ANCHORED INTO THE SOIL UTILIZING ONE OF THE FOLLOWING METHODS:
- CRIMPING WITH A STRAIGHT OR NOTCHED MULCH CRIMPING TOOL (FARM DISCS WILL NOT BE ALLOWED);
- TRACK WALKING WITH DEEP-CLEATED EQUIPMENT OPERATING UP AND DOWN THE SLOPE (MULCH CRIMPED PERPENDICULAR TO THE SLOPE) ON SLOPES LESS THAN 25 PERCENT;
- APPLICATION OF MULCH NETTING;
- APPLICATION OF 500 LB./ACRE OF WOOD FIBER MULCH OVER STRAW/HAY MULCH; AND
- COMMERCIALLY AVAILABLE TACKIFIERS (EXCEPT WITHIN 100 FEET OF WATERBODIES OR WETLANDS).

SUMMARY OF SEEDING REQUIREMENTS

CONDITION	TIMING[1,2]	SEED MIX
TEMPORARY SEEDING[3]	TEMPORARY SEED BETWEEN MAY 1 AND OCTOBER 15 ONLY. DISTURBED AREAS OR SPOIL STOCKPILES WILL BE SEEDED IMMEDIATELY IF FURTHER DISTURBANCE IS NOT EXPECTED FOR 30 DAYS OR MORE.	ANNUAL RYEGRASS
PERMANENT SEEDING[3,4]		
UPLAND PORTIONS OF THE CONSTRUCTION AREA	DISTURBED AREA WILL BE SEEDED WITHIN 6 DAYS OF FINAL GRADING.	PERMANENT UPLAND MIX
SLOPES GREATER THAN 3:1	DISTURBED AREA WILL BE SEEDED IMMEDIATELY AFTER SEEDBED PREPARATION.	PERMANENT UPLAND MIX
WETLANDS	DISTURBED WETLANDS WILL BE SEEDED WITHIN 6 DAYS OF FINAL GRADING.	ANNUAL RYEGRASS
WOOD CHIP APPLICATION AREAS	DISTURBED AREA WILL BE SEEDED WITHIN 6 DAYS OF FINAL GRADING.	WOODCHIP APPLICATION SEED MIX
WINTER DORMANT SEEDING	DORMANT SEED BETWEEN OCTOBER 15 AND MAY 1 ONLY. NO SEEDING WILL OCCUR IF SNOW DEPTHS EXCEED 1 INCH.	PERMANENT UPLAND MIX PLUS WINTER RYEGRASS

NOTES:
1. WEATHER CONDITIONS PERMITTING.
2. AREAS THAT DO NOT SUCCESSFULLY REVEGETATE WITHIN APPROPRIATE PERIOD OF TIME WILL BE RESEEDED AS NECESSARY.
3. LOOSEN COMPACTED SOIL TO A MINIMUM DEPTH OF 4 INCHES.
4. TOP DRESS WITH 6 INCHES LOAM, AS NEEDED.

ISSUED FOR REVIEW
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REV.	DESCRIPTION	DATE	BY	CK	APP
B	MEDEP PERMIT SET COMMENT REVISIONS	05/29/18	EVD	KRV	

OWNER ENGINEER:
APPROVAL STAMP:
DRAWING PREPARED BY:
ACCEPTED BY OE:
PE Stamp: STATE OF MAINE, KENNETH R. WOLOCK, No. 11082, LICENSED, PROFESSIONAL ENGINEER, 05-29-18, Rev. B

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SITE DETAILS 5

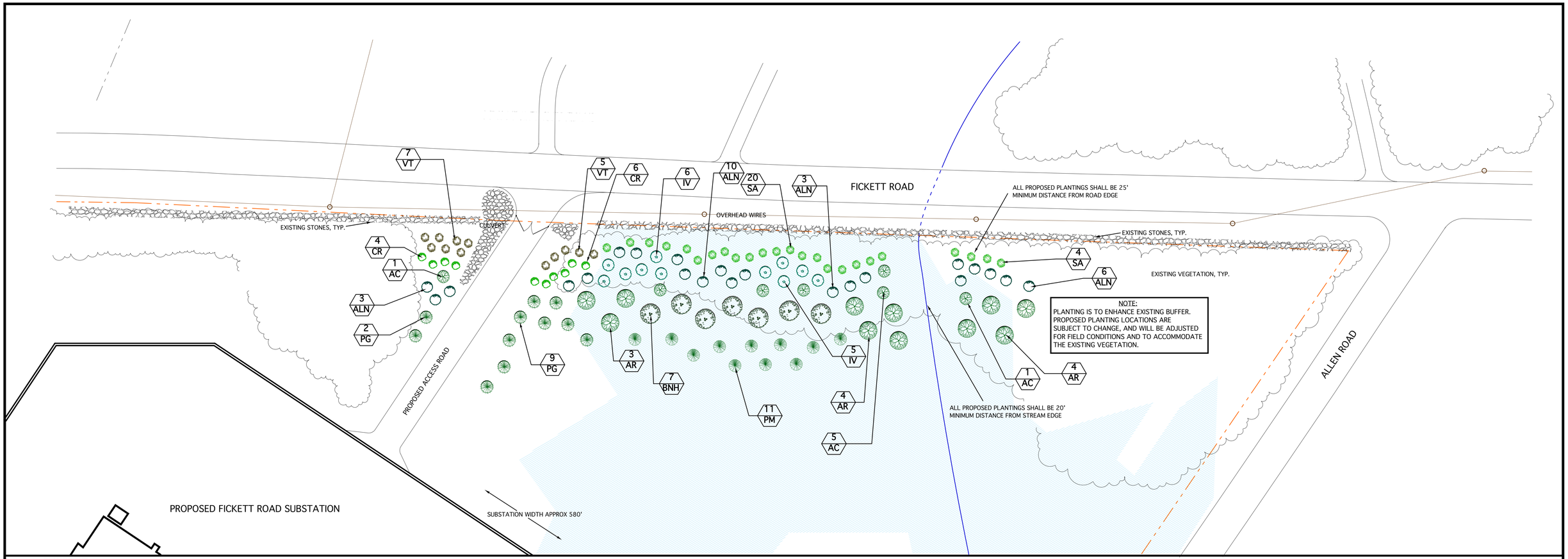
SH 5 OF 5

FICKETT ROAD/1077 POWNAL, ME

DR. EVD | SCALE: NONE | FILE: 1077-003-005SH006.DWG
CK. KRV | NO.
APP.
DATE:
1077-003-005 | REV. B

ANSI D CADD Drawing, DO NOT REVISE MANUALLY.

Attachment J
Visual Impact -Landscape Planting Plans

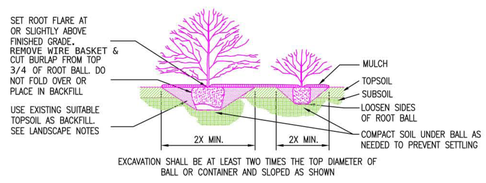


PLAN INTENT:

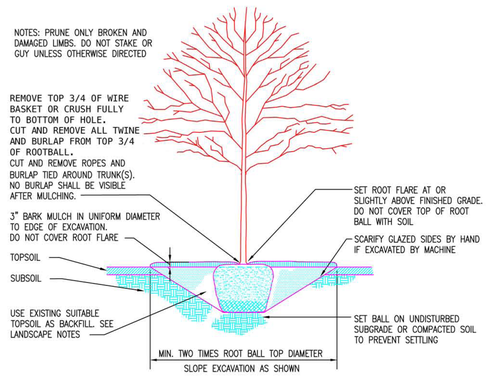
This plan's proposed plantings and preservation of existing vegetation are intended to provide visual mitigation of the proposed Fickett Road Substation and electrical structures when viewed from Fickett Road.
Proposed plantings hereunder shall be used to augment the existing natural buffer of vegetation.

LANDSCAPE NOTES:

1: Contractor must obtain CBYD/Digsafe ticket and verify locations of all underground utilities prior to beginning construction, and excavate with caution.
2: Contractor shall arrange for Designer or Owner's representative to layout and review all plants and plant locations prior to installation.
3: All areas disturbed during installation activity shall be cleaned and re-established by the Contractor according to the specifications of the Designer.
4: All plants shall be legibly tagged for variety upon delivery to site.
5: All plants shall be in accordance with the American Standard for Nursery Stock, ANSI Z60.1 latest edition.
6: Mulch for trees, shrubs, and perennials shall be shredded hardwood bark mulch, dark brown in color, without dye, and placed in a minimum 3" thickness.
7: Where applicable, all tree and shrub groupings shall be completely encompassed within a unified mulch bed at each plant grouping location. The mulch bed shall typically extend minimally 2' past the drip line of trees or shrubs.
8: Substitutions: No substitutions may be made by the Contractor without approval by the Owner or Owner's representative. The Contractor shall notify the Owner's representative in writing of any plants that will not be available, prior to submitting a bid on this project.
9: All plants shall be planted as soon as practical after delivery to the site. All plants shall be watered daily until planting, and watered immediately after planting. If a water source is not available at the site, Contractor shall be responsible, at the Contractor's sole expense, for obtaining water required to perform the work. All plants staged in a holding area shall be untied immediately after delivery to the site, be kept in an upright position, and be spaced apart to avoid foliar contact.
10: Rocks over 1", roots, sod, fibrous root mats, or any debris shall not be included in the backfill. Should supplemental topsoil backfill be required, it is the planting Contractor's responsibility to provide and install clean, weed free, screened topsoil as necessary. A sample of all supplemental soils shall be provided to the Owner's Representative prior to delivery and installation on site.
11: Contractor shall observe correct planting depth. All plant root flares shall be located by carefully removing excess soil from the tops of all root balls. Once exposed, the trunk/root transition shall be used as the planting depth gauge for each root ball. Each root ball's planting depth shall be based strictly upon the base of its root flare being level with, or slightly above the adjacent finish grade. Plants shall be set plumb and held in position until backfill topsoil has been placed and adequately tamped around the base of the root ball to prevent the plant from settling or leaning.
12: Bark damage or broken branches shall be avoided. Root ball integrity shall be preserved by strictly avoiding dropping, crushing, or piercing root balls. Plants shall be lifted and handled by the container or root ball to avoid damaging them.
13: All new plants shall be warranted for a period of one (1) year from date of final acceptance. Contractor shall remove and replace, at no expense to the Owner, any plants that are dead or visibly unhealthy within the first year.



SHRUB PLANTING
N.T.S.



TREE PLANTING

PROPOSED PLANT SCHEDULE

KEY	QUAN.	SCIENTIFIC NAME	COMMON NAME	SIZE AT INSTALL.	HT. AT MATURITY
AC	7	*Amelanchier canadensis*	Shadblow	5 gal	15'
ALN	22	*Alnus rugosa*	Speckled Alder	3 gal	25'
AR	11	*Acer rubrum* 'Franksred'	Red Sunset Red Maple	1.75" - 2" cal	45'
BNH	7	*Betula nigra* 'Heritage'	Heritage River Birch	6' -8' clump	70'
CR	10	*Cornus racemosa*	Gray Dogwood	3 gal	15'
IV	11	*Ilex verticillata*	Winterberry Holly	3 gal	10'
PG	11	*Picea glauca*	White Spruce	5' - 6'	60'
PM	11	*Picea mariana*	Black Spruce	4' - 5'	40'
SA	24	*Spiraea alba var. latifolia*	Meadowsweet	3 gal	4'
VT	12	*Viburnum trilobum*	Cranberrybush Viburnum	3 gal	10'

LEGEND

- EXIST. DISTRIBUTION CONDUCTOR
- PROPERTY LINES
- EXISTING STREAM, APPROXIMATE
- WETLAND

For schematic purposes only. Plant sizes in plan view are shown at approx. 5yrs after installation. CMP or its Representatives may approve changes to plant types or sizes based upon availability. Proposed plant locations are approximate and may vary based upon site conditions. Proposed plant placements shall favor the locations of existing plants subject to preservation. Boundary lines shown are approximate. All dimensions are subject to verification. Not a survey.

N

0 15 30 60

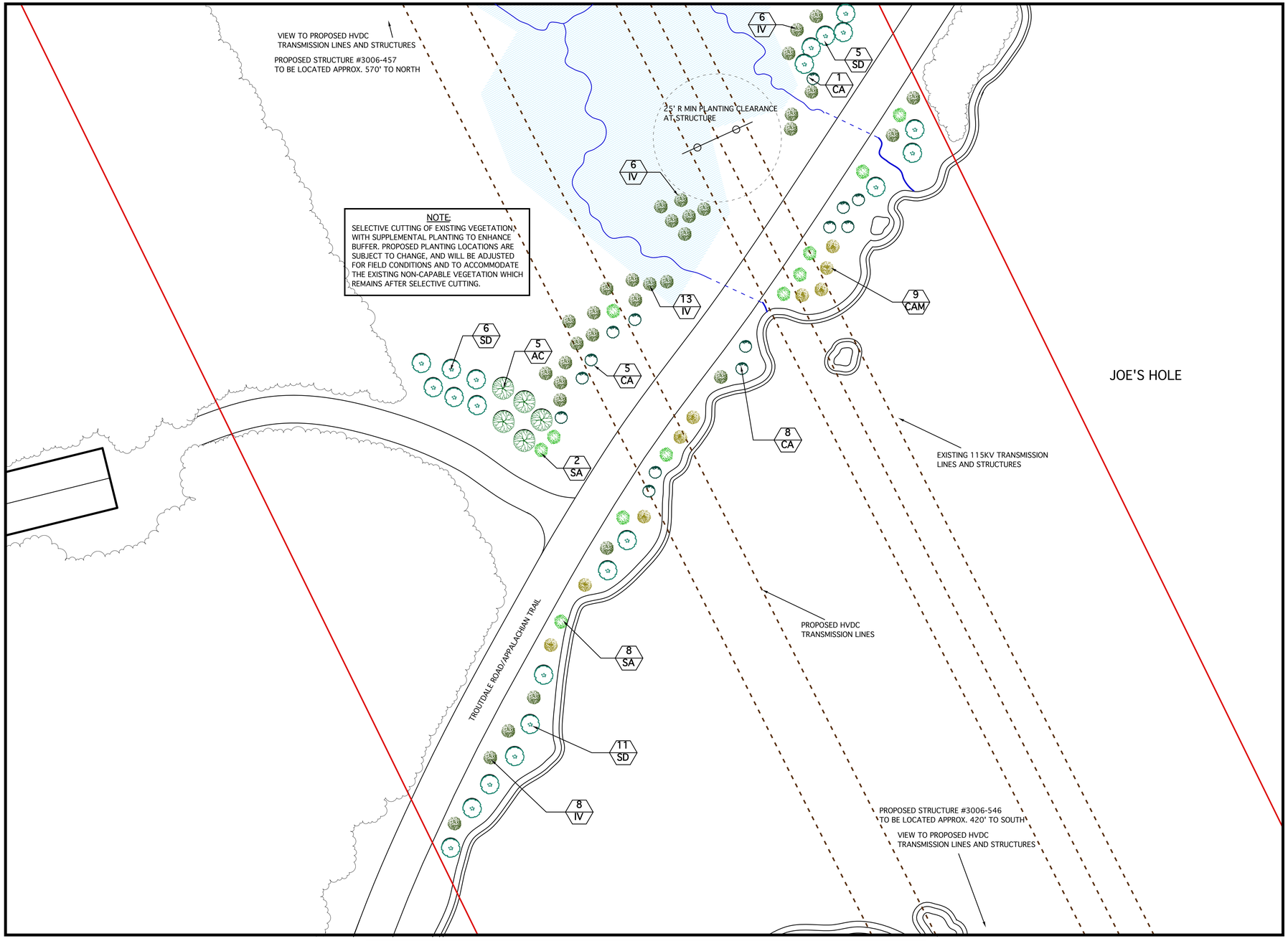
SCALE: 1" = 30'

BURNS McDONNELL

CENTRAL MAINE POWER

TITLE
FICKETT ROAD SUBSTATION
PLANTING PLAN
POWNAL, MAINE

BY GGS	CHKD	APP	APP
DATE 8/9/2018	DATE	DATE	DATE
SCALE: 1" = 30'	SIZE ARCH-D	FIELD BOOK & PAGES	
	V.S.	R.E. DWG	
R.E. PROJ. NUMBER		DWG NO. REVISION 3	



PLAN INTENT:

This plan's proposed plantings and proposed preservation of existing non-capable vegetation are intended to provide visual mitigation of the cleared right of way and existing as well as proposed transmission lines and associated structures when viewed from Troutdale Road, the Appalachian Trail, and Moxie Pond.
1: Existing non-capable riparian vegetation shall be retained.
2: Proposed plantings hereunder shall be used to augment the existing natural buffer of non-capable vegetation.

LANDSCAPE NOTES:

1: Contractor must obtain CBYD/Digsafe ticket and verify locations of all underground utilities prior to beginning construction, and excavate with caution.
2: Contractor shall arrange for Designer or Owner's representative to layout and review all plants and plant locations prior to installation.
3: All areas disturbed during installation activity shall be cleaned and re-established by the Contractor according to the specifications of the Designer.
4: All plants shall be legibly tagged for variety upon delivery to site.
5: All plants shall be in accordance with the American Standard for Nursery Stock, ANSI Z60.1 latest edition.
6: Mulch for trees, shrubs, and perennials shall be shredded hardwood bark mulch, dark brown in color, without dye, and placed in a minimum 3" thickness.
7: Where applicable, all tree and shrub groupings shall be completely encompassed within a unified mulch bed at each plant grouping location. The mulch bed shall typically extend minimally 2' past the drip line of trees or shrubs.
8: Substitutions: No substitutions may be made by the Contractor without approval by the Owner or Owner's representative. The Contractor shall notify the Owner's representative in writing of any plants that will not be available, prior to submitting a bid on this project.
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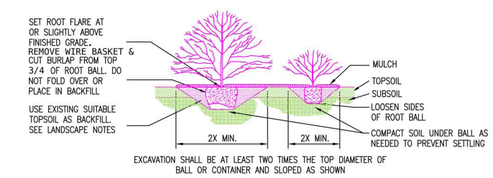
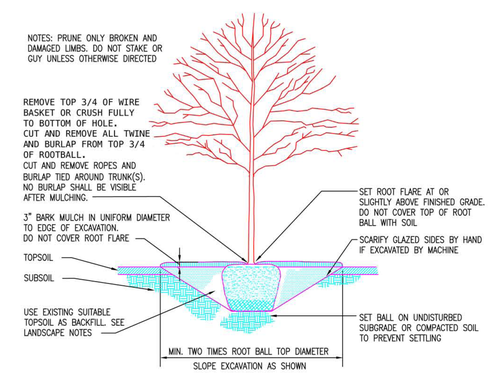
10: Rocks over 1", roots, sod, fibrous root mats, or any debris shall not be included in the backfill. Should supplemental topsoil backfill be required, it is the planting Contractor's responsibility to provide and install clean, weed free, screened topsoil as necessary. A sample of all supplemental soils shall be provided to the Owner's Representative prior to delivery and installation on site.
11: Contractor shall observe correct planting depth. All plant root flares shall be located by carefully removing excess soil from the tops of all root balls. Once exposed, the trunk/root transition shall be used as the planting depth gauge for each root ball. Each root ball's planting depth shall be based strictly upon the base of its root flare being level with, or slightly above the adjacent finish grade. Plants shall be set plumb and held in position until backfill topsoil has been placed and adequately tamped around the base of the root ball to prevent the plant from settling or leaning.
12: Bark damage or broken branches shall be avoided. Root ball integrity shall be preserved by strictly avoiding dropping, crushing, or piercing root balls. Plants shall be lifted and handled by the container or root ball to avoid damaging them.
13: All new plants shall be warranted for a period of one (1) year from date of final acceptance. Contractor shall remove and replace, at no expense to the owner, any plants that are dead or visibly unhealthy within the first year.



SHRUB PLANTING
N.T.S.



TREE PLANTING

BURNS McDONNELL

PROPOSED PLANT SCHEDULE

KEY	QUAN.	SCIENTIFIC NAME	COMMON NAME	SIZE AT INSTALL.	HT. AT MATURITY
AC	5	*Amelanchier canadensis*	Shadblow	5 gal	15'
CA	14	*Corylus americana*	American Hazelnut	3 gal	8'
CAM	9	*Cornus ammomum*	Silky Dogwood	3 gal	8'
IV	33	*Ilex verticillata*	Winterberry Holly	3 gal	10'
SA	10	*Spiraea alba var. latifolia*	Meadowsweet	3 gal	4'
SD	22	*Salix discolor*	Pussy Willow	3 gal	15'

LEGEND
- RIGHT OF WAY, APPROXIMATE
- OVERHEAD CONDUCTORS
- STREAM, APPROXIMATE
- WETLAND

N

0 10 20 40

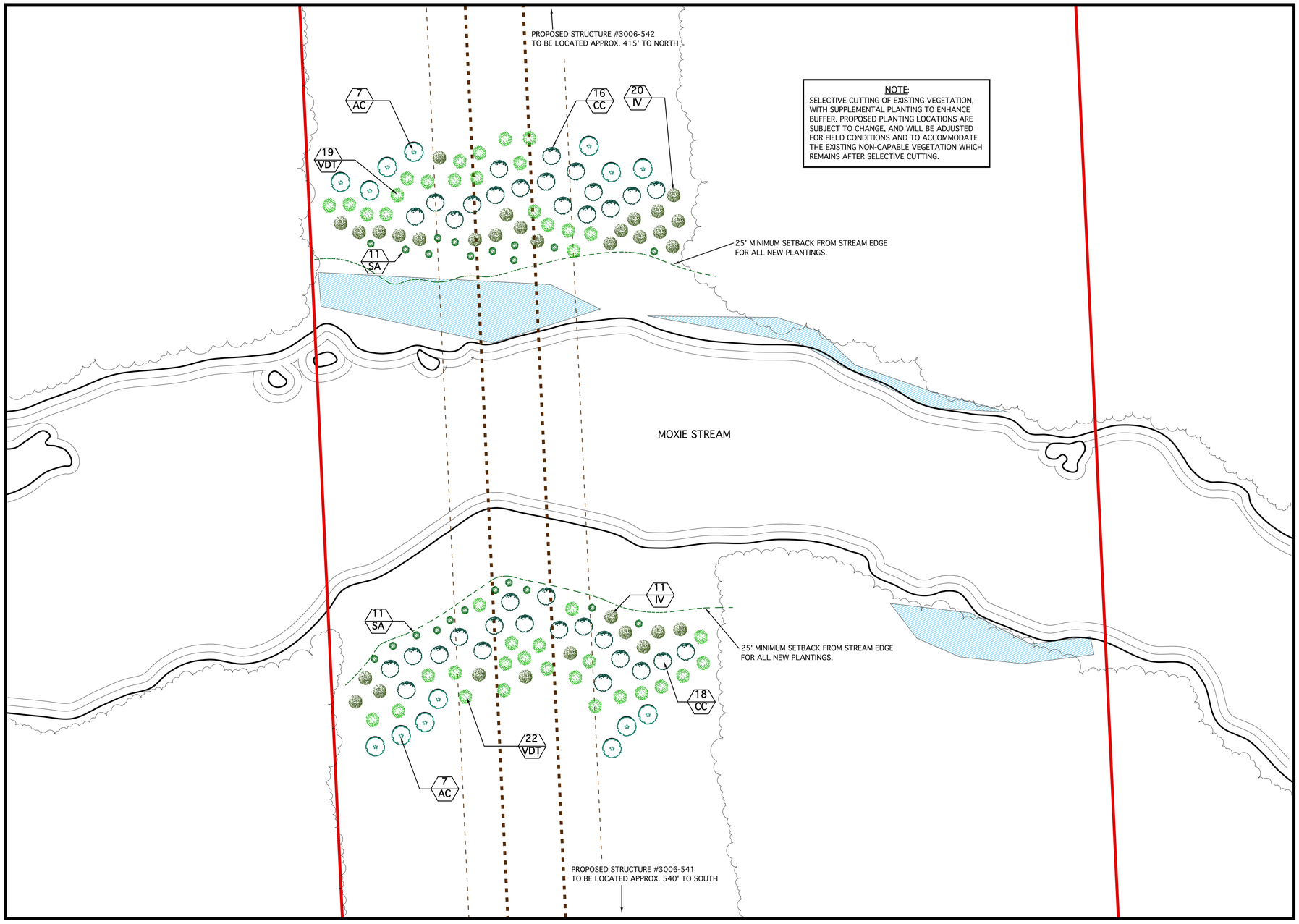
SCALE: 1" = 20'

For schematic purposes only. CMP or its Representatives may approve changes to plant types or sizes based upon availability. Proposed plant locations are approximate and may vary based upon site conditions. Proposed plant placements shall favor the locations of existing non-capable plants subject to preservation. Boundary lines shown are approximate. All dimensions are subject to verification. Not a survey.

CENTRAL MAINE POWER

TITLE
JOE'S HOLE (MOXIE POND)
PLANTING PLAN
BALD MOUNTAIN TWP., MAINE

BY GGS	CHKD	APP	APP
DATE 8/10/2018	DATE	DATE	DATE
SCALE: 1" = 20'	SIZE ARCH-D	FIELD BOOK & PAGES	
	V.S.	R.E. DWG	
R.E. PROJ. NUMBER		DWG NO. REVISION 2	



NOTE:
SELECTIVE CUTTING OF EXISTING VEGETATION, WITH SUPPLEMENTAL PLANTING TO ENHANCE BUFFER. PROPOSED PLANTING LOCATIONS ARE SUBJECT TO CHANGE, AND WILL BE ADJUSTED FOR FIELD CONDITIONS AND TO ACCOMMODATE THE EXISTING NON-CAPABLE VEGETATION WHICH REMAINS AFTER SELECTIVE CUTTING.

PLAN INTENT:

This plan's proposed plantings and proposed preservation of existing non-capable vegetation are intended to provide visual mitigation of the cleared right of way and existing as well as proposed transmission lines and associated structures when viewed from Moxie Stream.
1: Existing non-capable riparian vegetation shall be retained.
2: Proposed plantings hereunder shall be used to augment the existing natural buffer of non-capable vegetation.

LANDSCAPE NOTES:

1: Contractor must obtain CBYD/Digsafe ticket and verify locations of all underground utilities prior to beginning construction, and excavate with caution.
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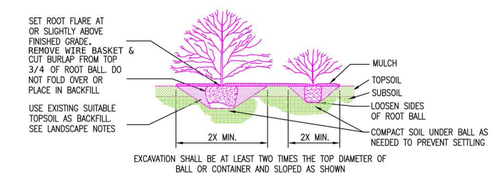
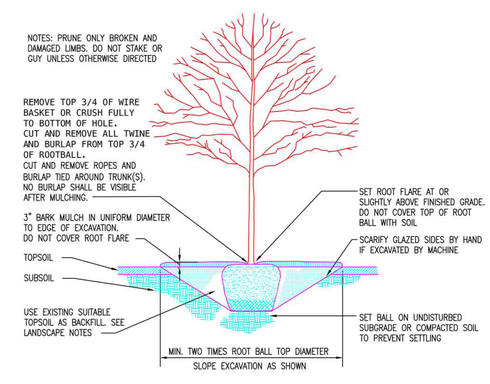


SHRUB PLANTING
N.T.S.



TREE PLANTING

BURNS McDONNELL

N

0 10 20 40

SCALE: 1" = 20'

PROPOSED PLANT SCHEDULE

KEY	QUAN.	SCIENTIFIC NAME	COMMON NAME	SIZE AT INSTALL.	HT. AT MATURITY
AC	14	*Amelanchier canadensis*	Shadblow	5 gal	15'
CC	34	*Corylus cornuta*	Beaked Hazelnut	3 gal	8'
IV	31	*Ilex verticillata*	Winterberry Holly	3 gal	10'
SA	22	*Spirea alba*	Meadowsweet	3 gal	5'
VDT	41	*Viburnum dentatum*	Arrowwood Viburnum	3 gal	10'

For schematic purposes only. CMP or its Representatives may approve changes to plant types or sizes based upon availability. Proposed plant locations are approximate and may vary based upon site conditions. Proposed plant placements shall favor the locations of existing non-capable plants subject to preservation. Boundary lines shown are approximate. All dimensions are subject to verification. Not a survey.

LEGEND

- RIGHT OF WAY, APPROXIMATE
- PROPOSED CONDUCTORS, APPROX.
- EDGES OF WIRE ZONE, APPROX.
- WETLAND

CENTRAL MAINE POWER

TITLE
MOXIE STREAM
PLANTING PLAN
MOXIE GORE, MAINE

BY GGS	CHKD	APP	APP
DATE 8/10/2018	DATE	DATE	DATE
SCALE: 1" = 20'	SIZE ARCH-D	FIELD BOOK & PAGES	
	V.S.	R.E. DWG	
R.E. PROJ. NUMBER		DWG NO. REVISION 5	

Attachment K
Compensation Plan

Compensation Plan

New England Clean Energy Connect (NECEC)

Prepared for:

Maine Department of Environmental Protection and United States Army Corps of Engineers

August 13, 2018

1.0 COMPENSATION PLAN

1.1 Overview

Central Maine Power Company ("CMP") is pleased to provide a Compensation Plan ("Plan") which addresses a variety of natural resource impacts from the proposed construction and operation of the New England Clean Energy Connect ("NECEC") Project. This Plan achieves a *no-net-loss* of ecological functions and values through a combination of: use of the In-Lieu-Fee ("ILF") Program by the Maine Department of Environmental Protection ("MDEP") and US Army Corps of Engineers-New England District ("USACE") as a compensatory mitigation option for permit applicants; preservation of regionally significant natural resources; and implementation of a number of wildlife habitat enhancement projects. This Plan meets the compensation requirements of the MDEP, pursuant to the Natural Resources Protection Act ("NRPA"), 38 M.R.S. §480-A *et seq.*, and of the USACE pursuant to Section 404 of the CWA (33.U.S.C. §1344).

As described in CMP's NRPA application, submitted on September 27, 2017, CMP first sought to avoid and then minimize impacts wherever practicable through a thorough alternatives analysis (NRPA Attachment 2) and engineering design. However, where impacts cannot be avoided, a number of mitigation measures will be employed prior to and during construction to minimize impacts. These include measures such as: erosion and sedimentation controls, the use of equipment mats, consultation with third-party inspectors, construction timing restrictions, installation of avian avoidance markers, and winter condition clearing and construction, where practicable. Areas of temporary impact will be restored and revegetated as per the restoration measures described in CMP's Environmental Guidelines for Construction and Maintenance Activities on Transmission Line and Substation Projects ("Environmental Guidelines") (*see* CMP's Site Law Application, Exhibit 14-1).

In this Plan, CMP will compensate for temporary and indirect natural resource impacts (i.e., impacts not directly associated with the placement of fill, such as conversion of habitat or tree clearing) and permanent alteration of protected natural resources. All temporary impacts will be of short duration, i.e., less than 18 months, and typically much shorter than 18 months. Permanent impacts requiring compensation are limited to either cover type conversion of protected natural resources or placement of fill resulting in loss of protected natural resource area.

CMP developed this compensation plan with input and participation from MDEP and USACE. CMP held a working session with both agencies in April 2018, with the goal to define those compensable impacts

and determine the compensation rates or ratios each agency would require. While each agency's requirements differed slightly, CMP's has developed a comprehensive compensation package that satisfies the requirements of both the MDEP and USACE. In the NRPA Application, CMP proposed to offset unavoidable impacts to natural resources, which are not fully addressed through CMP's avoidance and mitigation measures, through a contribution to the MDEP ILF Program. While USACE specified that full compensation via ILF was acceptable, the MDEP indicated that ILF cannot be used as the sole source of compensation for the Project. The MDEP requires a compensation package that consists of a combination of preservation, enhancement, and/or ILF to offset the variety of project impacts including those impacts that are outside the purview of the ILF Program (38 M.R.S § 480-Z, e.g. indirect impact to rivers, streams or brooks, indirect impact to local and/or regional recreational values and outstanding river segments and wildlife habitat). The Compensation Plan set forth here is robust, fully accounts for and, in fact, provides more than the required compensation amounts for unavoidable Project impacts.

In consultation with MDEP and USACE, CMP defined the protected natural resource impacts that will result from construction of the NECEC and which will be addressed in the Compensation Plan. Additionally, the compensation ratios at which CMP must offset those impacts were determined by working directly with MDEP and USACE. Those rates can be found in Exhibit 1-1, NECEC Mitigation Guidance: Compensation Ratios and Adjustments per Agency.

CMP's Compensation Plan addresses the following unavoidable impacts:

- Temporary Wetland Fill
- Permanent Cover Type Conversion of Forested Wetlands
- Permanent Cover Type Conversion of Inland Waterfowl and Wading Bird Habitat (IWWH)
- Permanent Cover Type Conversion in Significant Vernal Pool Habitat (SVPH)
- Permanent Fill in IWWH
- Permanent Fill in SVPH
- Direct and Secondary Impact to USACE Jurisdictional Vernal Pools
- Other Impacts:
    - Existing recreational uses of outstanding river segments
    - Indirect impacts to coldwater fisheries
    - Impacts to wildlife habitat

1.2 NECEC Compensation Components

1.2.1 Compensation Summary

The NRPA Wetlands and Waterbodies Protection Rules provide that "compensation is the offsetting of a lost wetland function with a function of equal or greater value," and sets as a goal "no-net loss of wetland functions and values" (NRPA Wetlands and Waterbodies Protection Rules, Chapter 310 § 5C). This goal supports the federal goal of *no net loss* stated in a February 6, 1990 Memorandum of Agreement ("MOA") between USEPA and USACE titled *The Determination of Mitigation Under the Clean Water Act Section 404(b)(1) Guidelines.*

Compensation amounts, or ratios of compensation to impact, are established by the Wetlands and Waterbodies Protection Rules, Chapter 310, and the Significant Wildlife Habitat Rules, Chapter 335. For example, compensation by restoration, enhancement, or creation is to be at least at a ratio of 1:1 for wetlands that are not of special significance and 2:1 for impacts to Wetlands of Special Significance ("WOSS"; (Chapter 310 §4). The ratio is set at 8:1 for preservation, which can include adjacent upland areas (Chapter 310 § 5C5(a-c). For those impacts offset through the ILF Program, resource compensation fees are calculated using resource-specific formulas, resource compensation rates and resource multipliers, as provided in the DEP Fact Sheet – In Lieu Fee Compensation Program (2015) ("ILF Program"). Resource multiplier takes into consideration the significance of specific resources.

Compensation ratios established by the USACE's 2016 New England District Compensatory Mitigation Guidance ("Mitigation Guidance") are based on complexity of the wetland system, likelihood of compensation success, degree to which functions are replaced, and temporal losses for certain functions. The USACE has developed standard compensatory mitigation ratios (multipliers), provided as guidance allowing for "flexibility," and suggested multipliers, which are a starting point for developing a compensation plan. The guidance also suggests that while the ILF Program is "considered preferable," preservation as mitigation can support the goal of "no net loss of wetland functions." Preservation parcels used for mitigation (33 CFR 332.3(h)) must meet certain criteria to be considered for this purpose. The USACE generally follows the MDEP's ILF Program resource compensation rates and resource multipliers.

Both agencies acknowledge that, for some resources, the temporary or secondary impact associated with transmission line construction and long-term operation does not equate to a full loss of resource functions and values, and therefore allows for adjustments to the standard ratios and multipliers depending upon the

resource and activity type. The USACE defines these adjustments, as a percentage of the standard amount by resource type, within Table C2 Recommended Compensatory Mitigation for Temporary and/or Secondary Impacts to Wetlands (Table C2) of the 2016 Mitigation Guidance. The MDEP provided correspondence to CMP dated April 25, 2017, in which Michael Mullin, former Director of Land Division, Bureau of Land Resources, allowed for a compensation adjustment of 60% for permanent cover type conversion impacts within significant vernal pool habitat, as defined by 38 M.R.S. § 480-B(10). CMP interpreted this adjustment to apply to all significant wildlife habitat and as such is applying a 60% adjustment to permanent cover type conversion impact within IWWH. *See* Exhibit 1-1, NECEC Mitigation Guidance: Compensation Ratios and Adjustments Per Agency; Exhibit 1-2 MDEP Letter Re: Compensation for significant vernal pool habitats within transmission line corridors (Apr.25, 2017).

Compensation planning for the NECEC included a review of existing and potential compensation tracts already in CMP's ownership. CMP looked for compensation opportunities based on the criteria set forth in the USACE's Mitigation Rule, 33 CFR 332.3(h). Properties which were not considered as part of this final plan did not provide sufficient ecological or regional value to merit preservation. After a comprehensive GIS evaluation, the most viable tracts were field surveyed for the presence of natural resources. CMP considers the compensation parcels presented in this Plan as eligible for this use, as demonstrated in Section 1.2.2.2 and within the letter report from the Musson Group dated August 10, 2018, which evaluated the preservation parcels for purposes of meeting the USACE mitigation requirements and is provided as Exhibit 1-3.

For impacts that require compensation from both the MDEP and USACE, CMP used the higher USACE ratios in determining required compensation amounts. For resource impacts for which only one agency required compensation, NRPA or USACE guidance was followed. The Compensation Package Summary, Exhibit 1-4, details the preservation parcels and the Project impacts they are proposed to offset. The In-Lieu Fee Summary, Exhibit 1-5, presents the calculated fees by resource type with the standard formulas, and appropriate multipliers and adjustments. Table 1-1 below summarizes the results of those Exhibits.

Table 1-1: Summary of Compensation

Resource Type & Impact	Agency Requiring	Form of Compensation	Amount of Compensation
47.21 acres of Temporary Wetland Fill	USACE	In-Lieu Fee	$600,651.89
149.07 acres of Permanent Cover Type Conversion of Forested Wetlands (Includes 13.31 acres of cover type conversion within IWWH and 31.30 acres of cover type conversion within SVPH)	USACE and MDEP[1]	Preservation	Preservation of 510.75 acres of wetlands.
0.85 acres of Permanent Fill in Wetlands of Special Significance (WOSS) (Includes fill within SVPH and IWWH)	USACE and MDEP	In-Lieu Fee	$278,871.99
4.47 acres of Permanent Fill in Wetland (Non-WOSS)	USACE and MDEP	In-Lieu Fee	$765,942.19
0.01 acres of Permanent Upland Fill in IWWH	MDEP	Preservation	Preservation of 132.19 acres of IWWH
13.31 acres of Permanent Upland Conversion in IWWH			
0.72 acres of Permanent Upland Fill in SVP Habitat	MDEP	In-Lieu Fee	$70,906.45

[1] The USACE requires compensation for Permanent Cover Type Conversion of Forested Wetlands. The MDEP requires compensation for Permanent Cover Type Conversion of Significant Wildlife Habitat. Compensation for wetlands within Significant Wildlife Habitat is included within the Permanent Cover Type Conversion of Forested Wetlands calculation. Cover type conversion within upland areas of Significant Wildlife Habitat areas are compensated in their respective categories.

Resource Type & Impact	Agency Requiring	Form of Compensation	Amount of Compensation
31.31 acres of Permanent Upland Conversion in SVPH	MDEP	ILF	$63,873.77
Direct and Indirect Impact to USACE Jurisdictional Vernal Pools	USACE	ILF	$2,113,103.77
	In-Lieu Fee		$3,839,350.06
	Total In-Lieu Fee with 10% Contingency (see Section 1.2.2.1)		$4,282,685.07
	Total Land Preservation		2,076 acres of total land preservation which contain: 510.75 acres of wetland preservation and, 132.19 acres of IWWH preservation

1.2.1.1 Temporary Wetland Fill

Temporary wetland fill impacts are primarily associated with the construction of short term access ways required for clearing and construction activities. Temporary fill associated with access way construction was conservatively calculated assuming non-frozen ground conditions. As a result, temporary fill or the use of protective matting (e.g. timber mats) for heavy equipment set up and travel was included in the calculation for access ways and structure preparation areas in all wetlands. Access ways have been designed to avoid, and when avoidance is not possible, to minimize disturbance to protected natural resources to the greatest extent practicable. For example, wetlands and streams will be crossed at their narrowest point if other conditions and construction access requirements allow this. Access ways will be removed as soon as it is safe and feasible to do so and when access ways are no longer needed for the Project. Fill needed for temporary access ways will not cause a net loss in wetland acreage or

functionality. These small, scattered impacts will have a de minimis effect on the overall functions and values in the areas in which they occur, and there will be no permanent loss of wetland functions and values or wetland area. Temporary wetland fill will be in place significantly less than 18 months, and typically for a period of 12 months.

Compensation for temporary wetland fill, in place less than 18 months, is only required by the USACE, and is not required by MDEP. For the purposes of determining the appropriate ILF, the USACE follows the guidance defined in the MDEP Fact Sheet-In Lieu Fee Compensation Program (rev. 8/13/2015). The compensation fee for temporary fill was calculated using the resource-specific formula with a resource multiplier of one. An adjustment to the standard calculation for ILF payment developed by the USACE for temporary and secondary impacts is applied to temporary impacts to emergent wetlands (5%) and temporary impacts to scrub-shrub wetlands (10%).

There are approximately 19.25 acres of temporary wetland fill impact to emergent wetlands and 27.96 acres of wetland fill impact to scrub-shrub wetlands. A payment of $600,651.89 will be contributed to the ILF Program to offset Temporary Wetland Fill Impacts.

1.2.1.2 Permanent Cover Type Conversion of Forested Wetlands

The majority (73%) of the NECEC Project will be located within or immediately adjacent to existing transmission line corridors. Clearing of tree species capable of growing into the conductors (referred to as “capable species”) will be required to expand, typically by 75 feet, the width of the portion of the corridor where the Project will be co-located with existing transmission lines, and to create the 150-foot wide section of the new corridor located between The Forks Plt and Beattie Twp. Tree removal from wetlands does not result in a net loss of any wetland area, and only potentially shifts or alters, but does not reduce, certain wetland functions and values. This type of cover type alteration, i.e., conversion of forested wetlands to early successional cover type wetlands, will result in the largest cumulative wetland alteration.

Compensation for forested wetland conversion is not required by the MDEP but is required by the USACE. The MDEP requires compensation for permanent cover type conversion of significant wildlife habitat. Compensation for wetlands within significant wildlife habitat is included within the permanent cover type conversion of forested wetlands calculation. Cover type conversion within upland areas of Significant Wildlife Habitat areas are compensated for in their own respective categories (i.e. IWWH and SVPH). Conversion of forested wetlands to scrub-shrub wetlands account for approximately 149.07 acres.

Of the 149.07 acres of conversion, 3.90 acres are within SVPH and 0.003 acres (150 square feet) are within IWWH. Even though there is no-net-loss of wetland functions or acreage resulting from clearing of forested wetland CMP will offset conversion of this habitat with the permanent preservation of lands which provide comparable habitat. For forested wetland conversion, the USACE's standard is 20:1; with a ratio adjustment of 15% was used to calculate the total required preservation amount of 447.22 acres.

The three proposed preservation parcels -- Flagstaff Lake Tract, Little Jimmie Pond-Harwood Tract, and Pooler Pond Tract -- contain 510.75 acres of wetland to offset 149.07 acres of forested wetland conversion impact, which is 63.5 acres or 15% over the amount of compensation required.

1.2.1.3 Permanent Upland Cover Type Conversion of IWWH

High quality IWWHs are typically composed of deep emergent marshes with high levels of interspersion of shrubs, open water, emergent wetland vegetation, and floating leaf, aquatic plants. As such, these habitats are typically not heavily forested and can be crossed by transmission line corridors without being significantly or adversely affected.

There will be approximately 13.31 acres of permanent cover type conversion in upland areas of moderate and high value IWWH. Compensation for wetland portions of IWWH, are are accounted for as part of Permanent Cover Type Conversion of Forested Wetlands. Compensation for cover type conversion is only required by the MDEP, and not the USACE. Clearing and construction in IWWHs will take place in accordance with the time of year restrictions for work within IWWHs, as described in Section 7 of the Site Law Application. In some cases, clearing in IWWHs will provide vegetation cover type diversity that adds value to existing IWWHs. Because there is no loss of acreage of IWWH, and in most circumstances no, or minor, reductions in the functionality of the habitats from conversion activities, CMP determined that permanent preservation of comparable or higher-value habitat provides more than sufficient compensation for clearing in IWWHs.

The MDEP's standard ratio of 8:1 and a ratio adjustment of 60% (consistent with adjustments in other significant wildlife habitats prescribed by MDEP, e.g., significant vernal pools) was used to calculate the total required preservation of 63.87 acres of IWWH for permanent cover type conversion of high and moderate value IWWH. CMP will preserve a total of 132.19 acres of high and moderate value IWWH to offset 13.31 acres of upland cover type conversion within IWWH, which is 62.47 acres, or 90% over the amount of compensation required.

1.2.1.4 Permanent Upland Cover Type Conversion of Significant Vernal Pool Habitat

The NECEC Project contains approximately 62 vernal pools which meet the definition of significant vernal pool under the Maine NRPA Chapter 335 significant vernal pool habitat identification criteria (DEP Reg 335.9B). The vernal pool habitat (also referred to as "vernal pool critical terrestrial habitat") includes the pool basin or depression plus a 250-foot buffer around the pool. Within the NECEC Project, permanent conversion from forested to non-forested cover in upland portions of significant vernal pool habitats totals approximately 31.31 acres. Compensation for wetland portions of SVPH, are accounted for under Permanent Cover Type Conversion of Forested Wetlands.

CMP will compensate for this unavoidable impact through a payment to the ILF Program. The compensation fee for upland cover type conversion within SVPH was calculated using the average assessed land value per square feet of impact. During the April 3, 2018 compensation working session, MDEP (Jim Beyer) indicated that impacts to upland areas within Significant Wildlife Habitat do not require a Natural Resource Enhancement & Restoration Cost factor, which is intended for the restoration of wetland areas. An adjustment of 60% to the standard calculation for ILF payment, as prescribed by MDEP, was applied. A payment of $63,873.77 will be contributed to the ILF Program to offset Permanent Upland Cover Type Conversion within SVPH.

1.2.1.5 Permanent Fill in Wetlands

There will be permanent fill impact from structures placed in wetlands. Fill will result from structures, soil mounding associated with pole placement, and, where necessary, concrete foundations. The area of disturbance for reach pole varies on structure type. Structure installations will range from approximately 30 to 185 square feet of permanent fill per structure, depending on structure type (e.g., steel monopole or wood H-frame). Following installation, the areas around each structure will naturally revegetate to herbaceous or shrub wetland communities. The small loss of wetland area from the structure fill equates to a negligible loss of wetlands functions and values relative to the remaining wetland area at each structure site. Taken individually, impacts from structures will have a negligible permanent impact on their particular installation locations.

The Merrill Road Converter Station and the Fickett Road Substation will have permanent wetland impacts from fill. Approximately 3.84 acres and 1.33 acres of permanent wetland fill will be required to construct the Merrill Road Converter Station and Fickett Road Substation, respectively. Permanent fill

impact from transmission line structures total approximately 0.15 acre. CMP will provide compensation for the cumulative permanent wetland impacts associated with structure installation and substation site development, which total approximately 5.32 acres.

Wetlands within NECEC segments and substations were classified as either wetlands that are not of special significance or as WOSS, as defined in DEP Reg. Chapter 310.4, and discussed at CMP's Site Law Application Section 9.2.3. Significant wildlife habitats reviewed to determine freshwater WOSS include:

- mapped habitats for state and federally listed T&E species;
- high and moderate value IWWH;
- presence of significant vernal pool habitat;
- areas within 250-feet of a great pond;
- wetland containing more than 20,000 square feet of open water or aquatic or emergent marsh;
- located within a flood plain;
- designated as a peatland; or
- located within 25 feet of a river stream or brook.

Of the 5.32 acres of permanent wetland fill, fill in Non-WOSS and WOSS wetlands totals 4.47 acres and 0.85 acre, respectively.

The ILF contribution for permanent fill in wetlands was calculated for each wetland type, non-WOSS and WOSS. The compensation fee for permanent fill in non-WOSS was calculated using the resource-specific formula with a resource multiplier of one; WOSS was calculated using a resource multiplier of two, as prescribed in the DEP Fact Sheet - In Lieu Fee Compensation Program.

There are approximately 5.32 acres of direct wetland fill. A payment of $1,044,814.18 will be contributed to the ILF Program to offset Permanent Fill in Wetlands.

1.2.1.6 Permanent Upland Fill in IWWH

Where unavoidable, direct non-wetland impact to IWWH will result from the placement of transmission line structures. Direct impacts to non-wetland areas within IWWH total approximately 0.013 acre (561 square feet). Compensation for impacts to wetlands within IWWH will be included in the ILF contribution for permanent fill in freshwater wetlands contained in IWWH, designated as WOSS.

The MDEP's standard ratio of 8:1 was used to calculate the total required preservation of 0.06 acres of IWWH for upland fill within high and moderate value IWWH. CMP will preserve a total of 132.19 acres of high and moderate value IWWH, to offset the .013 acres of upland permanent direct fill within IWWH as well as the 13.31 acres of upland cover type conversion, discussed in 1.2.1.3.

1.2.1.7 Permanent Fill in Upland Significant Vernal Pool Habitat

Permanent fill in SVP habitat will result from pole placement in both wetlands and uplands located within the 250 foot critical terrestrial habitat located around the pool depression, as well as from site development associated with the Merrill Road Converter Station. Potentially significant vernal pools that have not yet been determined as "significant" by MDIFW will be included in this calculation. There will be no direct impact to any significant vernal pool depressions.

Permanent fill in wetland areas located within SVP critical terrestrial habitat requires 100% compensation with a resource multiplier of two and is accounted for in the ILF calculation for permanent fill in WOSS. Permanent fill impact in upland portions of the significant vernal pool habitat requires 100% compensation with a resource multiplier of one and will also be accounted for in the ILF. Approximately 0.03 acre of permanent fill will be required for the placement of transmission structures within upland portions of the SVP habitat. Construction of the Merrill Road Converter Station will result in the placement of 0.689 acre of permanent fill in upland portions of vernal pool habitat. There are no SVPs on the Fickett Road Substation site.

The MDEP ratio for compensation of permanent fill in upland portions of significant vernal pool habitat was applied. An ILF contribution of $70,906.45 was determined for compensation for permanent fill in upland portions of significant vernal pool habitat.

1.2.1.8 Direct and Indirect Impacts to USACE Jurisdictional Vernal Pools

Under the provisions of Section 404 of the federal Clean Water Act, the USACE regulates activities in "waters of the United States," which include vernal pools. Vernal pools are defined by the New England District of the USACE in the General Permit (GP) for the State of Maine reissued on October 13, 2015. The USACE definition, while very similar to the MDEP's, does not reference "natural" and does not recognize or differentiate significant vernal pools based on number of indicator species egg masses. Instead, the GP definition indicates: "the presence of any of the following species in any life stage in any abundance level/quantity would designate the waterbody as a vernal pool: fairy shrimp, blue spotted

salamanders, spotted salamanders or wood frogs. The USACE may determine during a Category 2 Review that a waterbody should not be regulated as a vernal pool based on available evidence." Furthermore, under the Maine GP the USACE regulates activities within a distance of 750 feet from vernal pool depression, also referred to as the "vernal pool management area," which includes the pool depression, the envelope (area within 0 to100 feet of the vernal pool depression edge), and the critical terrestrial habitat (area within 100 to 750 feet of the vernal pool depressions edge).

In September 2016, the USACE New England District issued its updated Mitigation Guidance document. Within this document, the USACE provides the following guidance: "to determine the appropriate mitigation for vernal pool impacts, the pools to be impacted must be evaluated using the USACE Vernal Pool Characterization Form. This form documents both the quality of the vernal pool and its surrounding landscape to determine overall level of function of the pool." This "DRAFT Vernal Pool Characterization Form (9-7-16)," included within the guidance, is designed to characterize vernal pools and provide a valuation based on a point system for features of the pool and surrounding habitat for regulatory purposes, impact and compensatory mitigation assessment. The pools are scored or valued based on vernal pool characteristics, vernal pool envelope (100 ft) and critical terrestrial habitat area (100-750 ft) characteristics, and species present within the pool. Pools are then classified as having high, medium or low levels of functions, as determined by the scoring system on the form.

When the 2016 USACE Mitigation Guidance was issued, the NECEC natural resources survey effort was well underway. As such, CMP's consultants recorded field observations and pool characteristic data on the MDEP's Maine State Vernal Pool Assessment forms (DEPLW0897-82008) if the pool was potentially significant as defined in NRPA. For those pools which were not potentially significant as defined under NRPA, but were jurisdictional under the USACE, data was collected on a consultant-created form that documented the survey efforts, which were conducted in accordance with a long standing, broadly vetted, rigorous methodology accepted by the regulatory agencies. Nonetheless, the consultant created form did not utilize the scoring or classification contained in the 2016 guidance.

To equitably evaluate the pools based upon the classification of high, medium, or low, and to provide the appropriate level of compensation for each resource, CMP proposed evaluation criteria based upon the existing level of information collected using the principals of the new 2016 guidance as a framework. CMP worked with the USACE to determine the evaluation methods and received feedback on its proposal. *See* Exhibit 1-6.

Following the examination of all vernal pool features within the project area, CMP determined that 56 high value pools, 122 medium value pools, and 72 low value pools will be impacted by the Project and will require compensation.

The 2016 Guidance defines the amount of mitigation credit necessary to compensate for vernal pool impacts. The USACE uses the following ratio pattern for determining amount of preservation necessary to offset project impacts:

- For the loss of a low value pool, one medium or high value pool and its associated CTH should be preserved.
- For the loss of one medium value pool, three pools of medium or high value and its associated CTH should be preserved.
- For the loss of one high value pool, five pools of medium or high value and its associated CTH should be preserved.

For calculating ILF, the applicant is to provide an ILF for direct fill to the pool depression or 100-foot envelope at the regular wetland rate and, in addition, the same ratio pattern is applied using a standard of 13,000 square feet for each vernal pool habitat, regardless of pool size. For example, the applicant will pay the equivalent of 13,000 square feet for a low value pool to protect one vernal pool and CTH, plus any direct fill impacts to the depression or envelope. Similarly, for medium value pools the calculation would be multiplied by three, 13,000 x 3 = 39,000 square feet; for a high value pool the calculation would be multiplied by five, 13,000 x 5 = 65,000 square feet.

The fee structure in the 2016 Guidance (at page 95) does not address impacts associated only with conversion of forested habitat within vernal pool critical terrestrial habitat, and it assumes placement of direct fill within the vernal pool depression. This guidance is thus generally intended for “hard” developments resulting in direct fill within the vernal pool. Based on data gathered and evaluated by TRC (see attached position paper and conference presentation summary, Exhibits 1-7 and 1-8), it is very likely that the majority of these pools will retain their productivity and functions following construction. TRC’s study of pools within “soft” land use developments like CMP’s corridors found that the reduction in forested canopy does not result in a full loss of functions, and the data demonstrate that the highest value pools (i.e., significant vernal pools as defined by the Maine NRPA) continue to function without loss or

significant degradation of their ecological functions after the forest canopy within their critical terrestrial habitat has been cleared.

CMP will utilize the ILF Program to offset direct and indirect impacts to USACE Jurisdictional Vernal Pools. There is approximately 4.7 acres of direct fill impact to vernal pool depressions or the 100' envelope. The ILF for direct fill was calculated using the resource dependent formula with a resource multiplier of one. The ILF contribution for direct fill to USACE vernal pools is $382,686.77.

Because the guidance is more suited for use for "hard" developments, and because of the above-cited TRC information regarding health and productivity of vernal pools whose critical terrestrial habitat has been cleared, it is reasonable, at a minimum, to apply an adjustment to the suggested in-lieu fee amount in those instances where there is no direct fill in the pool envelope or depression. CMP has included compensation for conversion of forested wetlands previously within this plan, including those that are within USACE vernal pool critical terrestrial habitat. The compensation plan includes 510.75 acres of wetland preservation, or 15% over the amount of compensation required to offset the 149.07 acres of forested wetland conversion. Therefore, a significant adjustment to the suggested mitigation is reasonable and appropriate to compensate for forested upland conversion impacts within the vernal pool critical terrestrial habitat, which is the only impact not otherwise compensated for.

There are 56 high value vernal pools that will be impacted by the Project. This fee, which is calculated based on the fee structure outlined in the 2016 USACE Guidance, is offered in addition the fee for direct fill described above. CMP applied the ratio of five (5) multiplied by 13,000 square feet to the resource-specific ILF formula and then applied a 5% adjustment to the calculation to develop the ILF to address indirect impacts to the upland portion of the critical terrestrial habitat. Upland areas are not regulated directly by the USACE, as their regulatory authority is over the waters of the United States"; however, it can be reasoned that there may be secondary impact to this critical terrestrial habitat. As such, for high value USACE jurisdictional vernal pools, a payment to the ILF Program of $672,587.50 will be made.

For medium value vernal pools, the standard of 13,000 square feet is multiplied by three (3) and then applied to the resource-specific formula for wetland impacts. For low value vernal pools, the standard of 13,000 square feet is multiplied by one (1) and then applied to the resource-specific formula. There are 122 medium value vernal pools and 72 low value vernal pools which require compensation. When applying these formulas, CMP calculated that the ILF is $889,219.50 and $168,610.00, respectively.

In total, CMP will provide $2,113,103.77 to the ILF Program for compensation of direct and indirect impacts to USACE jurisdictional vernal pools.

1.2.1.9 Compensation of Other Impacts

In its December 12, 2017 Environmental Information Request, the MDEP requested that CMP provide a mitigation package to compensate for impacts to cold water fisheries and recreational uses of the outstanding river segments. The MDEP notes, "The Department envisions this mitigation package will be the responsibility of CMP to implement, not simply providing ILF monies." In its response, CMP committed to reach agreement on the terms of compensation for Project impacts with the MDEP and USACE, which will avoid, minimize or mitigate those impacts through design, location, construction practices, ILF contribution and/or compensatory mitigation parcels.

On April 3, 2018, CMP, MDEP, and USACE held a working session to discuss the NECEC Compensation Plan. MDEP (Jim Beyer), maintained that the compensation package must include a combination of compensation components: ILF, preservation, and/or enhancement, to account for all Project impacts (most notably, impact to recreational uses of outstanding river segment and indirect impact to coldwater fisheries). CMP proposes a number of methods to offset impact to these resources, including land preservation, a culvert replacement program, and incorporation of construction practices to protect coldwater fisheries habitat and enhancement, described within Sections 1.2.2.3 through 1.2.2.5. This plan, in combination with the ILF and the compensation parcels used to offset natural resource impacts, described in Sections 1.2.2.1 and 1.2.2.2, exceeds the minimum compensation amounts required and provides long term protection of protected natural resources in Maine.

1. Existing Recreational Uses of Outstanding River Segments

The Maine legislature protects certain rivers, "because of their unparalleled natural and recreational values, provide irreplaceable social and economic benefits to the people in their existing state." 12 M.R.S. § 403. The NECEC crosses the following five locations which are afforded special protection as outstanding river segments, as identified in 38 M.R.S. § 480-P and 12 M.R.S § 403:

- Upper Kennebec River
- Kennebec River below Wyman Dam
- Carrabasset River

- Sandy River
- West Branch of the Sheepscot River

The NRPA further governs proposed activities that cross any outstanding river segment as identified in section 480-P and provides that "the applicant shall demonstrate that no reasonable alternative exists which would have less adverse effect upon the natural and recreational features of the river segment." 38 M.R.S. § 480-D(8). CMP provided an alternatives analyses demonstrating that "no reasonable alternative exists" for each river segment the transmission line crosses. *See* NRPA Application, Chapter 2 (submitted September 27, 2017); Responses to Data Requests Letter (submitted March 29, 2018); NECEC Overhead Crossing of the Kennebec River Letter (submitted July 26, 2018).

As demonstrated by CMP, "no reasonable alternative exists which would have less adverse effect upon the natural and recreational features of this river segment." CMP has therefore taken measures to minimize the Project impact to these resources. In the locations where the HVDC line is to be collocated within existing rights-of-way, CMP has minimized additional clearing to an average additional width of 75 feet, and minimized additional natural resources impacts by proposing crossing locations in existing, developed transmission line corridors. Where the HVDC line crosses the upper Kennebec River, the new crossing location has been redesigned from a 5-structure to 3-structure configuration. Advantages of the proposed 3-structure design compared to the 5-structure design include: fewer structures; greater vertical clearance over water; greater vertical clearance over trees; retention of trees over a larger area of forested buffer; and screened views of the transmission line structures and the cleared corridor from the perspective of river users. Additionally, in response to MDIFW's Environmental Review Comments (submitted July 13, 2018), CMP committed to retaining 100 foot riparian buffers at all outstanding river segments.

Impacts to outstanding river segments further have been minimized by crossing in locations where a CMP right-of-way already exists or through design modifications and/or increased riparian buffers. As discussed in detail in Section 1.2.2.3, as part of this compensation plan to offset impact to existing recreational uses of outstanding river segments, CMP is including land preservation of three tracts along the Dead River which collectively will add 1,054 acres to Maine's conserved lands and provide protection in perpetuity of 8.1 miles of river frontage along the Dead River, an outstanding river segment. In addition to the wealth of recreational opportunities (which are not limited to hiking, fishing, whitewater rafting, canoeing, snowmobiling, wildlife viewing and hunting), these tracts include the protection of

Grand Falls waterfall, the largest horseshoe waterfall in the State, in perpetuity. Impacts to outstanding river segments will not unreasonably impact existing recreational uses of these rivers.

Additionally, as detailed in CMP's July 26, 2018 response to the MDEP's May 7, 2018 request for additional information on the overhead crossing of the Kennebec River, CMP proposed significant off-site mitigation to alleviate any real or perceived adverse impacts associated, in part, with recreational uses of the Upper Kennebec River crossing (i.e., the Preferred Alternative), an outstanding river segment. Specifically, and as set forth in the May 30, 2018 Memorandum of Understanding between CMP and Western Mountains & Rivers Corporation, CMP will provide $22 million to support and enhance tourism and outdoor recreation in Central and Northern Somerset County, including for the construction, operation, and staffing of a visitor center, maintenance of trails, maintenance costs associated with tourism infrastructure, and funding of educational and other programs to improve local tourism. CMP also will evaluate, and negotiate in good faith, donations of CMP land for trails, huts, Kennebec River leases, and other recreational infrastructure or amenities benefitting the region.

2. Indirect Impacts to Coldwater Fisheries

In its December 12, 2017 Environmental Information Request, MDEP notes that "the project crosses 67 river, streams, or brooks, which contain brook trout habitat." The MDIFW's March 15, 2018 NECEC application review comments stated that "CMP's proposed 25 foot riparian buffer will not be adequate for the protection of water temperatures, water quality, and inputs of coarse woody debris necessary to support conditions required by brook trout and other aquatic life." As referenced by CMP's July 13, 2018 response to the MDIFW, a study by Gleason[2] on the impacts of powerline rights-of-way ("ROW") on forested stream habitat found that despite the open canopy condition, water temperatures were slightly lower than in off-ROW areas and that none of the water quality parameters were significantly different between the on-ROW and off-ROW study areas. Gleason's study also found no correlation between percent canopy cover and mean percentage of fines and found no significant difference in the Benthic Index of Biotic Integrity scores between on-ROW and upstream areas. Similarly, a study conducted by Peterson[3] on the effects of electric transmission line ROWs on trout in forested headwater streams in upstate New York found that stream reaches in electric transmission ROWs were exposed to more light, had denser stream bank vegetation, were deeper and narrower, and had a greater area composed of pools.

[2] Gleason, N.C. 2008. Impacts of Power Line Rights-of-Way on Forested Stream Habitat in Western Washington. Environmental Symposium in Rights-of-Way Management, 8th International Symposium, pages 665-678.
[3] Peterson, A.M. 1993. Effects of Electric Transmission Rights-of-Way on Trout in Forested Headwater Streams in New York. North American Journal of Fisheries Management, vol. 13 pp. 581-585.

Peterson's study found that trout were more abundant in stream reaches within ROWs and concluded that the increase in incident sunshine resulted in a denser forb and shrub root mass which further stabilized stream banks, resulting in less stream bank erosion, deeper channels, and higher populations of trout. Peterson concluded that electric transmission ROWs need not constitute an adverse effect on headwater trout population densities in forested basins.

Nevertheless, in consideration of both MDEP's and MDIFW's expressed concern of indirect Project impact from clearing of the transmission line ROW, CMP has revised its NECEC Plan for Protection of Sensitive Natural Resources During Initial Vegetation Clearing and Post-Construction Vegetation Maintenance Plan (Exhibits 10-1 and 10-2, respectively) to include the following:

> *Riparian natural buffers (or "riparian buffers) must be retained within 100 feet of all perennial streams within the greenfield (Segment 1) portion of the Project, outstanding river segments, or rivers, streams, or brooks containing Threatened or Endangered species unless the department determines that the functions and values of the riparian buffer will not be impacted by the removal of vegetation and approves an alternative minimum buffer. A "riparian buffer" is a buffer on a stream, river, or brook. In no case may the riparian buffer be reduced to less than 25 feet. The riparian buffer is measured horizontally from the top of the stream bank.*

Extending the buffer to 100 feet for those streams which meet the above criteria will adequately protect coldwater fisheries.

CMP also intends to replace improperly installed or non-functioning culverts to improve habitat connectivity as further described in Section 1.2.2.4 and will implement, in cooperation with the MDIFW, the Maine Forest Service ("MFS") Rule Chapter 25 "Standard for Placing Wood into Stream Channels to Enhance Cold water Fisheries Habitat," otherwise known as "chop and drop," as another measure to protect and enhance coldwater fisheries habitat. The proposal and benefits of chop and drop are discussed more fully in Section 1.2.2.4.

Additionally, the Grand Falls, Basin, Lower Enchanted, Flagstaff Lake, and Pooler Pond tracts, located within an area of the State with an abundance of valuable coldwater fisheries, collectively contain 78,710 linear feet of streams, including frontage on the Dead River and Enchanted Stream, which will be protected under a deed restriction or conservation easement.

3. Impact to Deer Wintering Areas

According to data provided by the MDIFW, a total of 21 deer wintering areas ("DWA") are crossed by the NECEC transmission line corridor. All DWAs crossed by the Project are classified by the MDIFW as indeterminate in value, which means that they are recognized as candidate Significant Wildlife Habitat under the

NRPA, but currently have no formal value rating. No DWAs are impacted by the Merrill Road Converter Station or Fickett Road Substation.

Of the 21 DWAs crossed, 10 will be subjected to some conversion of forested habitat to shrub and herbaceous cover types. Additional DWAs intersected by Segment 4 of the Project will not be affected as there will be no clearing within DWAs along this segment. The Project will not cross any mapped DWAs within Segment 1. Construction and maintenance of Segments 2, 3, and 5 will not significantly affect the habitat functional attributes of the DWAs intersected by the Project for the following reasons:

- Corridor construction will only widen existing, non-forested transmission line corridors by an average of approximately 75 feet. As such, functional effects on these DWAs are expected to be indiscernible. It is expected that after construction has been completed, these DWAs will function similarly to the way they currently do.

- CMP will maintain its transmission line corridors in a manner that encourages the growth of non-capable shrub species that can provide important winter browse for over-wintering deer and in accordance with the CMP Post-Construction Vegetation Management Plan (Site Law Application Exhibit 10-2, revised August 2018 as described above) and CMP's Environmental Guidelines (Site Law Application Exhibit 14-1, revised June 2018).

CMP has avoided and minimized direct and temporary impact through adjusting pole placement where possible and minimizing temporary access roads through these areas. Additionally, CMP proposes to enhance wildlife habitat in the Project corridor adjacent to DWA by revegetating disturbed soils in upland areas with a wildlife seed mix promoted and developed by the Sportsman's Alliance of Maine ("SAM") and the Maine Seed Company. Please see Section 1.2.2.6 for further detail.

1.2.2 Total Compensation

The compensation package consists of 6 mitigation parcels, 3 of which are proposed for preservation to partially offset unavoidable natural resource impacts and 3 of which will be placed into conservation to provide compensation for recreational impacts to outstanding river segments and to protect and preserve coldwater fishery habitat. CMP owns all of the tracts proposed for mitigation and will identify recipients and finalize transfer of the properties once all required Project permits and approvals have been required.

In addition, CMP will provide a total of $4,282,685.07, in ILF, and has included a number of habitat enhancements in the plan to improve habitat for coldwater fisheries, species of concern, and DWAs.

1.2.2.1 In-Lieu Fee

For those impacts offset through the ILF Program, compensation fees were calculated using the resource-specific formulas, based on the resource compensation rates and multipliers, as provided in the DEP Fact Sheet – In Lieu Fee Compensation Program (2015) ("ILF" or "ILF Program"). The resource multiplier takes into consideration the significance of specific resources. Additionally, based on recommended guidance from the USACE and MDEP, an adjustment, or percentage of standard amount was applied to account for resources in which a full loss of functions and values do not occur.

As calculated within Exhibit 1-5.1 through 1-5.7 and summarized within Exhibit 1-5, CMP is providing an In-Lieu Fee of $3,893,350.06 to off-set unavoidable impacts to resource functions and values as a result of the NECEC Project.

Additionally, CMP has added a robust contingency to account for potential additional natural resource impacts that may result from future minor design changes (e.g., guy wire types and precise locations that have not yet been determined) and resolution of minor discrepancies in the natural resource data identified by third party reviewers and/or during construction of the Project. CMP is providing an additional 10% of the calculated ILF total, which will add $389,335.01 to the ILF payment, totaling $4,282,685.07, to be used for these purposes. CMP anticipates requesting a refund of any unused funds remaining in this contingency after completion of construction.

In addition, to the extent there may be discrepancies identified in the natural resource data by third party reviewers, CMP will review the location of all Project structures and roads to ensure avoidance and minimization of resource impacts and, if additional impacts are identified, CMP will relocate such structures and roads to avoid such impacts to the maximum extent practicable.

The total In Lieu Fee to offset natural resource impacts is therefore $4,282,685.07.

1.2.2.2 Compensation Parcels

MDEP allows for compensation which may include the restoration, enhancement, creation, or preservation of an area or areas that have functions or values similar to the area. 38 M.R.S. § 480-Z. CMP has selected its Flagstaff Lake, Little Jimmie Pond-Hardwood Tract, and Pooler Pond Tracts for preservation as mitigation.

According to the USACE's 2016 Mitigation Guidance, preservation as mitigation "does reduce the threat of future impacts and may stem future aquatic resource degradation." Mitigation Guidance, p. 10. Furthermore, the USACE "encourages a combination of upland and aquatic resource preservation over aquatic resources-only preservation to offer better protection of aquatic functions," as state laws may not protect non-wetlands whose degradation would affect aquatic resources. Mitigation Guidance, p. 11. Pursuant to 33 C.F.R. § 332.3(h), preservation may be used to provide compensatory mitigation when:

(i) The resources to be preserved provide important physical, chemical, or biological functions for the watershed;
(ii) The resources to be preserved contribute significantly to the ecological sustainability of the watershed. In determining the contribution of those resources to the ecological sustainability of the watershed, the district engineer must use appropriate quantitative assessment tools, where available;
(iii) Preservation is determined by the district engineer to be appropriate and practicable;
(iv) The resources are under threat of destruction or adverse modifications; and
(v) The preserved site will be permanently protected through an appropriate real estate or other legal instrument (e.g., easement, title transfer to state resource agency or land trust).

Each of the potential preservation tracts (Flagstaff Lake Tract, Little Jimmie Pond-Harwood Tract, and Pooler Pond Tract) included in this plan meets all of these criteria and provides important physical, chemical, or biological functions for the watershed in which it is located. A detailed description of each parcel is included in Exhibit 1-9: NECEC Potential Compensation Tract- Natural Resources Survey Results Report.

An analysis of the applicable regulatory framework and regional trends, prepared by the Musson Group and included as Exhibit 1-3, shows that each of these three tracts is open to development in ways that could damage these important functions and thereby threaten to adversely modify the ecological sustainability of the watershed.

The functions and values of the three preservation tracts are similar to the functions and values associated with Project impacts to forested wetlands and IWWH. These three tracts will be used to offset permanent cover type conversion of forested wetlands, as well as direct and indirect impacts to IWWH. Forested wetland conversion does not result in a permanent loss of wetland functions or values, although functional shifts will occur. The functions and values present on the preservation tracts are more than sufficient to offset these impacts. Similarly, direct and indirect impacts in IWWH will result in a minimal reduction in habitat value. In some cases, clearing in IWWH will provide vegetation cover type diversity that adds value to existing IWWH. Because there is no loss of acreage of IWWH, and in most circumstances no, or minor, reductions in the functionality of the habitats from conversion activities, CMP determined that

permanent preservation of comparable or higher-value habitat provides more than sufficient compensation for impact to IWWHs. A comparison of the functions and values of the Project impact types and the three preservation tracts is provided below in Table 1-2.

Documentation of CMP's title, right, or interest in each of the preservation tracts is included in Exhibit 1-10. For each property, CMP proposes to convey fee ownership to either a non-profit land trust/non-governmental organization or a state resource agency and the transfer document between the parties will contain deed covenants and restrictions to preserve the compensation tract and its ecological values in perpetuity.

Table 1-2 Functions and Values Comparison

Impacts		Compensation		
Activity & Regulating Agency	**Functions and Values Impacted[1]**	**Compensation Type**	**Site Name**	**Primary Functions and Values Provided[2]**
Temporary Wetland Fill Impacts (USACE)	Temporary impacts to WH, FA, GW, and VQA	ILF	NA	NA
Permanent Cover Type Conversion of Forested Wetlands to Scrub Shrub (USACE)[3]	Conversion will result in no permanent loss of wetland functions or values. Functional shifts will occur with regards to GW, FA, NR, SS, WH, REC, UNQ, VQA, and ESH.	Wetland Preservation	Little Jimmie Pond-Harwood Tract	GW, FF, FH, PE, STPR, NR, SS, WH, ED, REC
			Flagstaff Lake	GW, FF, FH, PE, STPR, NR, SS, WH, ED, REC
			Pooler Pond Tract	GW, FF, FH, PE, STPR, NR, SS, WH, ED, REC
Direct and Indirect Impacts to High and Moderate Value Inland Wading Bird and Waterfowl Habitat (MDEP)	Clearing of IWWH habitats will result in a de minimis reduction of IWWH value	High and Moderate Value IWWH Preservation	Little Jimmie Pond-Harwood Tract	GW, FF, FH, PE, STPR, NR, SS, WH, ED, REC
			Flagstaff Lake	GW, FF, FH, PE, STPR, NR, SS, WH, ED, REC
			Pooler Pond Tract	GW, FF, FH, PE, STPR, NR, SS, WH, ED, REC
Permanent Cover Type Conversion in Upland Vernal Pool Habitat (MDEP & USACE)	Clearing of VP Habitats will result in a de minimus reduction in VP habitat value	ILF	NA	NA
Permanent Fill in Vernal Pool Habitat (MDEP & USACE)	WH	ILF	NA	NA
Permanent Wetland Fill Impacts (MDEP & USACE)	Permanent loss of GW, PE, NR, WH, REC, UNQ, VQA, and ESH.	ILF	NA	NA

[1] Function & Value List: GW = Groundwater Recharge/Discharge, FA = Floodwater Alteration, FH = Fish & Shellfish Habitat, STPR = Sediment/Toxicant Retention, NR = Nutrient Removal, PE = Production Export, SS = Sediment and Shoreline Stabilization, WH = Wildlife Habitat, R = Recreation, ED = Educational & Scenic Value, VQA = Visual Quality and Aesthetics, ESH = Endangered Species Habitat, UH = Uniqueness/Heritage
[2] Source: CMP NECEC Potential Compensation Tracts- Natural Resource Survey Results (8/13/2018).
[3] Conversion of forested wetlands includes clearing within SVPH or IWWH.

1.2.2.3 Preservation for Recreational Uses of Outstanding River Segments

CMP is including, as part of this compensation plan to offset impact to existing recreational uses of outstanding river segments, land preservation of three tracts along the Dead River which, collectively will add 1,053.5 acres to Maine's conserved lands and provide protection in perpetuity of 8.1 miles of river frontage along the Dead River, an outstanding river segment (12 M.R.S § 403).

These lands, as detailed within the *NECEC Potential Compensation Tract- Natural Resources Survey Results Report*, Exhibit 1-9, include the Grand Falls Tract, Lower Enchanted Tract, and Basin Tract (see Figure 1-1), which not only contain high quality natural resources but will also augment existing conserved lands protect habitat connectivity, provide opportunity to expand recreational opportunities and trail networks, and provide long term protection of 8.1 miles along the Dead River, most notably used by whitewater rafting tourism companies. Adjacent conserved lands include two Western Mountain Conservation Easement ("CE") parcels, 457.84 and 560.35 acres, respectively, and the Dead River Trail and Conservation Corridor easement which includes 660.97 acres. In summary, the 1053.5 acres contained within the Grand Falls Tract, Lower Enchanted Tract, and Basin Tract will add directly to adjacent conserved lands, which total approximately 1679 acres, increasing the area conservation lands as a whole by 39%. The recreational opportunities and their relationship to other conserved lands are highlighted below.

Table 1-3

Tract	Dead River Frontage	Acres
Grand Falls Tract	1.6 miles (0.8 on each side)	120.84
Lower Enchanted Tract	2.3 miles along the north side	235.60
Basin Tract	4.2 miles along the south side	697.06
Total:	8.1 miles	1,053.50

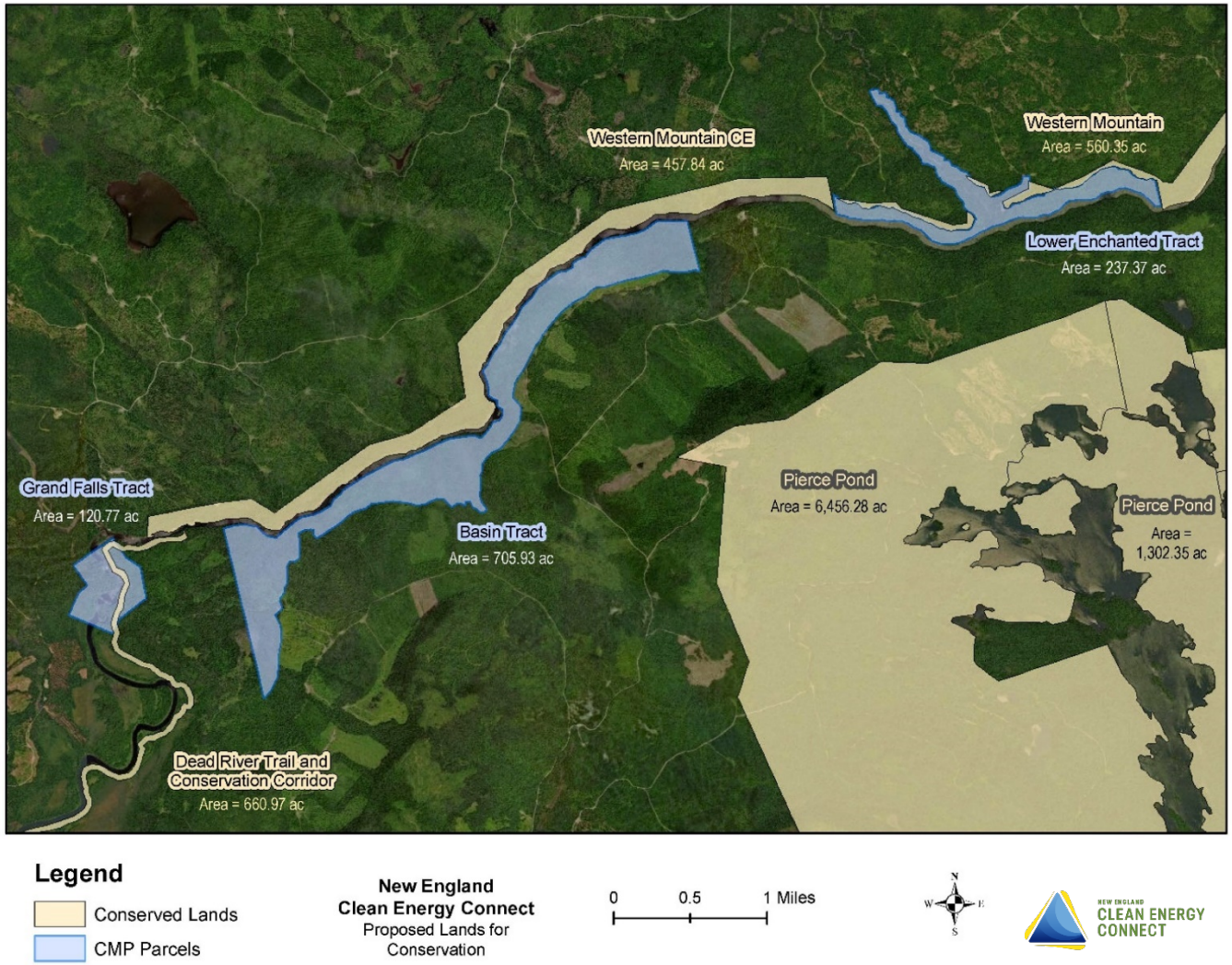
Grand Falls Tract: The Dead River Trail and Conservation Corridor passes through this tract. This parcel is part of the Maine Huts & Trails network traveled by day and through hikers and also used for camping, cross country skiing and snowshoeing. The Northern Forest Canoe Trail traverses the tract connecting Flagstaff Lake with Spencer Stream and is the starting point for commercial Dead River rafting operations. The Tract is also highly regarded for trout and salmon fishing and hunting opportunities. The Grand Falls Tract has the largest horseshoe waterfall in the state. This tract is approximately 3.25 miles downstream, along the Dead River, of the 50,000 acre Bigelow Mountain-Flagstaff Lake-North Branch of the Dead River Focus Area of Statewide Ecological Significance. Within the intervening distance is a 1,542 acre moderate value IWWH, linking Grand Falls Tract with the Focus

Area. Conserved lands on this property are limited to the 200 foot wide Dead River Trail and Conservation Corridor on the east side of the river.

Lower Enchanted Tract: The Lower Enchanted Tract abuts the Western Mountain Conservation Easement parcel on both sides (east and west). Preservation of this tract will link segments of and expand on the Western Mountain Conservation Easement and will encompass approximately 0.7 miles on both sides of Enchanted Stream as well as 2.3 miles along the north shoreline of the Dead River. The Lower Enchanted Stream and the Dead River are very popular for brook trout and landlocked salmon fishing. Commercial river rafting on the Dead River passes along the shoreline of the Lower Enchanted Tract which also provides emergency access to the river.

Basin Tract: The Basin Tract includes approximately 4.2 miles of frontage along the south side of the Dead River. The Western Mountain Conservation Easement is located on the opposite shore of the Dead River, directly north of the Basin Tract. Commercial river rafting on the Dead River passes along the shoreline of the Basin Tract. Approximately one mile south of the 697-acre Basin Tract there are approximately 10,000 contiguous acres of Conserved Lands encompassing Pierce Pond, Grass Pond, Kilgore Pond, Split Rock Pond, Higher Pond, Dixon Pond, Fernald Pond, and Horseshoe Pond, and the Appalachian Trail Corridor. The Dead River is also highly regarded for brook trout and salmon fishing. Hunting opportunities are another recreational value of the Tract, as is its wetlands.

Figure 1-1


Western Mountain CE
Area = 457.84 ac
Western Mountain
Area = 560.35 ac
Lower Enchanted Tract
Area = 237.37 ac
Grand Falls Tract
Area = 120.77 ac
Basin Tract
Area = 705.93 ac
Pierce Pond
Area = 6,456.28 ac
Pierce Pond
Area =
1,302.35 ac
Dead River Trail and
Conservation Corridor
Area = 660.97 ac
Legend
Conserved Lands
CMP Parcels
New England
Clean Energy Connect
Proposed Lands for
Conservation
0
0.5
1 Miles
N
W
E
S
NEW ENGLAND
CLEAN ENERGY
CONNECT

1.2.2.4 Wildlife Habitat Protection and Enhancement

Coldwater fishery habitat is prevalent in the northern region of the Project. In fact, MDIFW has acknowledged, in an email from Robert Stratton – MDIFW Program Support Supervisor, that "viable brook trout habitat is not lacking in this region to the extent it might be elsewhere". Regardless, in addition to the 100 foot riparian buffer discussed in Section 1.2.1.9 above and the coldwater fishery habitat proposed for preservation, CMP is proposing the following measures to mitigate for cold water fishery impacts and to improve coldwater fisheries habitat.

CHOP AND DROP HABITAT ENHANCEMENT

CMP proposes to implement, in cooperation with the MDIFW, the MFS Rule Chapter 25 "Standard for Placing Wood into Stream Channels to Enhance Cold water Fisheries Habitat," otherwise known as "chop and drop," as part of its coldwater fisheries habitat enhancement and mitigation.

As stated in Chapter 25, adding wood in streams enhances habitat for cold water fish, including brook trout and Atlantic Salmon, by:

- creating pools for fish cover and overwintering habitat
- increasing hiding areas for juvenile fish
- helping hold gravel beds for spawning
- facilitating the narrowing and deepening the stream channel, providing cool water during low summer flows.

As part of this wood addition treatment CMP will coordinate with the MDIFW to identify appropriate designated stream reaches and proper wood placement standards, which includes selecting decay resistant species and choosing appropriate tree diameters and lengths based on the bank full width of the stream. The wood loading rate, orientation, and placement will be implemented with oversight of a trained forester and as outlined Chapter 25.

CULVERT REPLACEMENTS

CMP intends to develop a culvert replacement program in coordination with MDEP, MDIFW, and interested non-governmental organizations, in order to improve the habitat connectivity of coldwater fisheries in a number of locations where improperly installed, undersized, or damaged culverts are currently known to exist. In addition, within the Project right-of-way, CMP will replace existing culverts found to be damaged, installed improperly, or non-functioning. CMP will install replacement culverts consistent with Stream Smart Principles to improve or maintain habitat connectivity.

ROARING BROOK MAYFLY AND NORTHERN SPRING SALAMANDER HABITAT MITIGATION AND ENHANCEMENT

CMP will execute surveys for Roaring Brook Mayfly and Northern Spring Salamander in the Fall of 2018. As mitigation for unavoidable impacts from tree clearing and equipment crossings (i.e. temporary bridges) CMP proposes to develop a plan, in coordination with MDIFW, subject to review and approval of the MDEP, to augment shrubby habitat within riparian areas through select plantings of non-capable species in all locations within the Project that are known to contain these species. In addition, CMP will attempt to avoid crossing waterbodies with known occurrences of these two species. In the event alternative access cannot be found, CMP will coordinate with MDIFW regarding the location and placement of the equipment bridge, prior to its installation. An environmental inspector will be present during installation of equipment bridges in these locations.

HABITAT ENHANCEMENT FOR DEER WINTERING AREAS

The NECEC will have unavoidable forested conversion impacts to DWA, as discussed in in Section 1.2.1.9. CMP has avoided and minimized direct and temporary impact through adjusting pole placement where possible and minimizing temporary access roads through these areas.

CMP also proposes, to enhance wildlife habitat in and adjacent to DWA, to revegetate disturbed soils in upland areas with a Wildlife Seed Mix, promoted by SAM and developed with Maine Seed Company. This wildlife friendly seed mix will offer nutrition to deer and other wildlife such as moose, rabbits, ruffed grouse, geese, and wild turkeys during late fall and early spring when woods forage is sparse. The tender shoots derived from SAM's seed mix offer forage that is high in calories and protein, and deer find them to be highly digestible.[4]

Maine Seed Company's wildlife friendly seed mix contains highly nutritious cool season perennial grasses and clover that deer are attracted to in late fall and early spring. Other benefits[5] of the seed mix include:

- More wildlife-friendly than "conservation mixes"
- Provides superior deer nutrition immediately before and after the winter yarding season

[4] Lavigne, G., Experimental Wildlife Seed Mix Available through SAM, Maine Forest Products Council, June 2013.

[5] Advertisement for Wildlife See Mix, SAM and Maine Seed Company, available at: http://sportsmansallianceofmaine.org/archive/archive_files/2016/SAM_Seed_2016_ad.pdf

- Grasses remain green and highly palatable into late fall/early winter, even under snow
- Contains five times the clover of "conservation mixes"
- White and red clover attract wildlife over most of the growing season
- Adaptable to a wide array of sites and soil conditions
- Cost effective - small seed size broadcast at only 25 lb./acre
- Plantings last several years with minimal maintenance.

Additionally, CMP worked with SAM during the Maine Power Reliability Program ("MPRP") to re-establish vegetation along several experimental plots near DWA and pastures using their Wildlife Seed Mix. The contractors at the time expressed considerable success regarding seed germination and vegetative cover as compared to other typical "conservation mixes." For the NECEC, CMP will require a Wildlife Seed Mix to be applied in and adjacent to DWAs.

1.3 Conclusion

The NECEC Project will result in unavoidable temporary and permanent impacts to protected natural resources including freshwater wetlands, and is subject to the compensation requirements of the Wetlands and Waterbodies and Protection Rules (Chapter 310) and Significant Wildlife Habitat Rules (Chapter 335) of the Natural Resources Protection Act (38 M.R.S.A. §480-A-FF, and the Final Rule for Compensatory Mitigation for Losses of Aquatic Resources (40 CFR §230) pursuant to Section 404 of the U.S. Clean Water Act (33 U.S.C. § 1344).

Compensation for NECEC Project impacts, including 2,076 acres of preservation, a $4,282,685.07 in-lieu fee payment, and implementation of wildlife habitat enhancement measures, surpasses requirements set forth in these compensation Rules so that national goals of No Net Loss, articulated in a February 6, 1990 Memorandum of Agreement between the US EPA and US Army Corps of Engineers Concerning the Determination of Mitigation Under the Clean Water Act Section 404(b)(1) Guidelines, are fulfilled.

Exhibit 1-1: NECEC Mitigation Guidance: Compensation Ratios and Adjustments Per Agency

Exhibit 1-1: NECEC Mitigation Guidance: Compensation Ratios and Adjustments Per Agency

Impact Type		In Lieu (ILF) Fee Compensation (MDEP & USACE)[1]		Preservation Ratios[2]		Adjustments to Standard Ratios/Amounts[3]	
		Formula	Multiplier	MDEP	USACE	DEP	USACE
Wetland Impact	Permanent Fill in Wetlands (Non-WOSS)	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	8:1	30:1	100%	100%
	Permanent Fill in WOSS	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	2	8:1	30:1	100%	100%
	Temporary Wetland Fill in PEM (<18 months)	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	USACE only	20:1	USACE only	5%
	Temporary Wetland Fill in PSS[4] (<18 months)	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	USACE only	20:1	USACE only	10%
	Permanent Forested Wetland Conversion	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	USACE only	20:1	USACE only	15%
Impact to MDEP Significant Vernal Pool Habitat (250')	Permanent Wetland Fill in SVPH	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	2	8:1	30:1	100%	100%
	Permanent Forested Wetland Conversion SVPH	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	8:1	20:1	60%	15%
	Permanent Upland Fill in SVPH	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	8:1	DEP only	100%	DEP only
	Permanent Upland Conversion in SVPH	Avg. Assessed Land Value/Sq. Ft	1	8:1	DEP only	60%	DEP only
Impact to USACE Jurisdictional Vernal Pool Habitat	Direct Fill in Vernal Pool Depression or 100' Envelope	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	Corps only	n/a	Corps only	100%
	High Value (750')	(13,000 Sq. ft x 5) X (Natural Resource Enhancement & Restoration Cost + Avg. Assessed Land Value)	1	Corps only	1 high: 5 med/high	Corps only	5%
	Medium Value (750')	(13,000 Sq. ft x 3) X (Natural Resource Enhancement & Restoration Cost + Avg. Assessed Land Value)	1	Corps only	1 med: 3 med/high	Corps only	5%
	Low Value (750')	(13,000 Sq. ft x 1) X (Natural Resource Enhancement & Restoration Cost + Avg. Assessed Land Value)	1	Corps only	1 low: 1 med/high	Corps only	5%
Inland Wading Bird & Waterfowl Habitat (IWWH)	Permanent Wetland Fill in IWWH	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	2	8:1	30:1	100%	100%
	Permanent Forested Wetland Conversion IWWH	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	8:1	20:1	60%	15%
	Permanent Upland Fill in IWWH	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	8:1	DEP only	100%	DEP only
	Permanent Upland Conversion in IWWH	Avg. Assessed Land Value/Sq. Ft	1	8:1	DEP only	60%	DEP only

[1] Source: USACE New England District Compensatory Mitigation Guidance 2016, DEP Fact Sheet In Lieu Fee Compensation Program Rev 8/13/2015

[2] Source: USACE New England District Compensatory Mitigation Guidance 2016, MDEP NRPA Chapter 335

3 Based on ratios and adjustments within the DEP Fact Sheet-In-Lieu Fee Compensation Program, 2016 USACE New England District Compensatory Mitigation Guidance and discussions held during the Compensation Working Session on 4/3/18, with the USACE and MDEP.

[4] Given that hydrology or significant soil disturbance will not result, all forested wetlands will convert to scrub-shrub wetland.

Exhibit 1-2: MDEP Letter RE: *Compensation for significant vernal pool habitats within transmission line corridors*, April 25, 2017

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

AUL R. LEPAGE
GOVERNOR

PAUL MERCER
COMMISSIONER

April 25, 2017

Adam Marquis
Central Maine Power Company
83 Edison Drive
Augusta, ME 04336

Re: Compensation for significant vernal pool impacts within transmission line corridors

Dear Mr. Marquis:

As part of Central Maine Power Company's efforts to maintain and improve its transmission capabilities, there are times when new clearing and line placement occurs within significant vernal pool habitat (SVP) as defined in the *Natural Resources Protection Act*, 38 M.R.S. § 480-A et seq. and Chapter 335 *Significant Wildlife Habitat* rules, 06-096 C.M.R. ch. 335.

During the course of permitting for the Maine Power Reliability Program project, the Department determined in consultation with the Department of Inland Fisheries and Wildlife that impacts to SVPs resulting solely from vegetation conversion from forested to scrub/shrub could be compensated for at a rate less than 100%. During that project, the Department determined that compensation at a rate of 60% of that required by Chapter 310 *Wetlands and Waterbodies Protection Rules* and the Department's *In Lieu Fee Compensation Program,* would be adequate to offset the loss in functions and values to SVPs for vegetation conversion only.

This letter is to inform you that the Department will continue to assess compensation at a rate of 60% for vegetation conversion within transmission line corridors should compensation be required and barring any unforeseen circumstance where the facts of the situation would warrant a different rate based on the loss of functions and values of a significant vernal pool habitat.

I hope this letter serves yours needs. Feel free to call me at 207-446-1611 should you have any questions or need further clarification.

Sincerely,

Michael K. Mullen, Director
Land Division, Bureau of Land Resources

cc. Alison Sirois, SMRO Regional Manager
Dawn Hallowell, CMRO Regional Manager
Jim Beyer, EMRO and NMRO Regional Manager

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ite: www.maine.gov/dep

Exhibit 1-3: Musson Group Letter Report
***NECEC Compensation Plan- Preservation Parcels*, August 10, 2018**

THE MUSSON GROUP Planning & Economic Development · Permitting · Project Management

August 10, 2018

Mr. Jay Clement
US Army Corps of Engineers, Maine Project Office
442 Civic Center Drive, Suite 350
Augusta, Maine 04330

RE: NECEC Compensation Plan – Preservation Parcels

Dear Mr. Clement,

We have considered your May 3, 2018 comments regarding the information on the potential preservation tracts that we sent to you and Jim Beyer on April 29, 2018, as well as Jim's June 1, 2018 comments. Based on those comments, as discussed below, we eliminated several parcels from our compensation plan for purposes of satisfying Army Corps requirements, though we are including those parcels as part of our compensation plan for the DEP, to go above and beyond the DEP's minimum requirements and to offset unavoidable Project impacts that are not otherwise captured through its compensation plan.

The parcels that we eliminated from our compensation plan for purposes of satisfying Corps requirements are:

1. Grand Falls Tract;
2. Basin Tract; and
3. Lower Enchanted Tract.

The parcels that we believe satisfy the Corps' requirements, and which are discussed below, are:

1. Flagstaff Lake Tract;
2. Little Jimmie Pond-Harwood Tract; and
3. Pooler Pond Tract.

Please see Attachment A, which is a map showing all compensation tract locations. Individual parcel maps also are attached, at Attachments B-G, showing the location and development district or zoning of each parcel.

According to the Corps' 2016 New England District Compensatory Mitigation Guidance ("Mitigation Guidance"), preservation as mitigation "does reduce the threat of future impacts and may stem future aquatic resource degradation." Mitigation Guidance, p. 10. Furthermore, the Corps "encourages a combination of upland and aquatic resource preservation over aquatic resources-only preservation to offer better protection of aquatic functions," as state laws may not protect non-wetlands whose degradation would affect aquatic resources. Mitigation Guidance, p. 11. Pursuant to 33 C.F.R. § 332.3(h), preservation may be used to provide compensatory mitigation when:

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(i) The resources to be preserved provide important physical, chemical, or biological functions for the watershed;
(ii) The resources to be preserved contribute significantly to the ecological sustainability of the watershed. In determining the contribution of those resources to the ecological sustainability of the watershed, the district engineer must use appropriate quantitative assessment tools, where available;
(iii) Preservation is determined by the district engineer to be appropriate and practicable;
(iv) The resources are under threat of destruction or adverse modifications; and
(v) The preserved site will be permanently protected through an appropriate real estate or other legal instrument (e.g., easement, title transfer to state resource agency or land trust).

Each of the potential preservation tracts (Flagstaff Lake Tract, Little Jimmie Pond-Harwood Tract, and Pooler Pond Tract) that we are including in our plan meets all of these criteria and provides important physical, chemical, or biological functions for the watershed in which it is located. Our analysis of the applicable regulatory framework and regional trends shows that each of these three tracts is open to development in ways that could damage these important functions and thereby threaten to adversely modify the ecological sustainability of the watershed.

On the following pages we offer further analysis on each tract demonstrating that preservation may be used here to provide compensatory mitigation[1] because these parcels satisfy the criteria set forth in 33 C.F.R. § 332.3(h).

There are common themes that apply to each tract, including:

- **Access.** All three tracts – Flagstaff Lake, Little Jimmie Pond-Harwood, and Pooler Pond – are accessible via public roads, addressing the access concern that you and Jim raised in your comments. While Maine has a strong tradition of open access for members of the public to use private property for a wide variety of recreational activities free of charge, having direct access via a public road increases the likelihood of development.

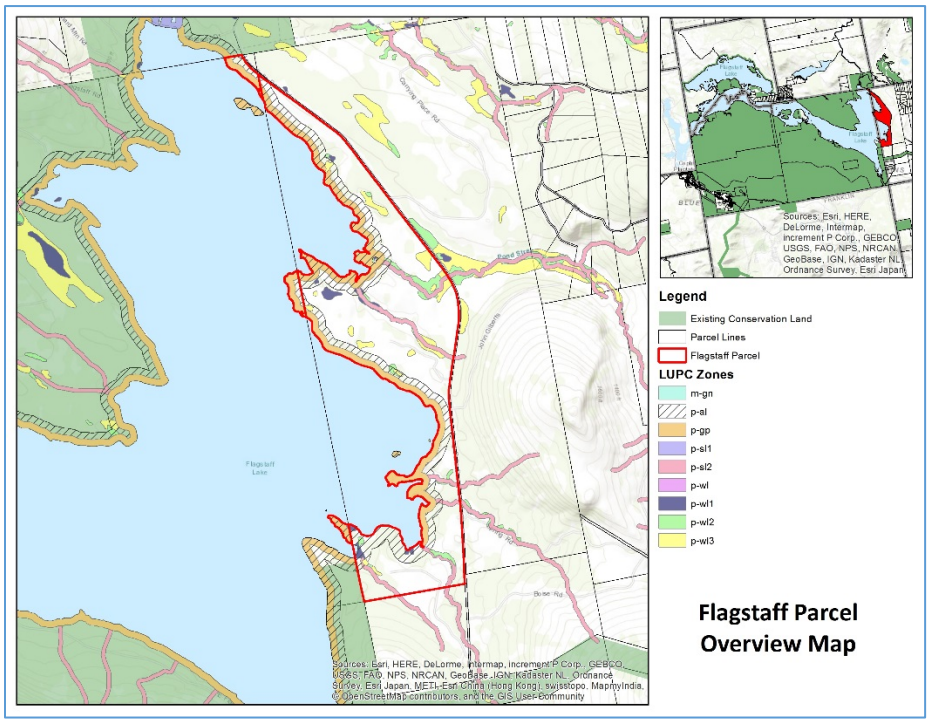
- **CMP's Development/Land Sale Policy.** Historically CMP's land policy has been to secure and retain certain surplus land to be offered as potential compensation (to be preserved in perpetuity) in order to offset unavoidable environmental impacts of future projects, including the NECEC Project. However, if regulatory agencies determine that specific tracts would not

[1] The Corps may consider mitigation as part of its Section 404 permitting, and because the Preferred Alternative is the least environmentally damaging practicable alternative, this compensatory mitigation may be considered and incorporated as a condition to the permit. *See Butte Environmental Council v. U.S. Army Corps of Engineers*, 620 F.3d 936, 946-947 (9th Cir. 2010) (rejecting plaintiff's contention that the USACE allowed the adoption of off-site mitigation measures to relieve the City of its responsibility to adopt the least environmentally damaging practicable alternative, and finding instead that while the Corps made compensatory mitigation a condition of the permit, "there is no indication that such mitigation was meant as an obligation in place of the City's responsibility to adopt the least environmentally damaging practicable alternative, as opposed to an obligation in addition to it."); *Florida Keys Citizens Coalition, Inc. v. U.S. Army Corps of Engineers*, 374 F. Supp. 2d 1116, 1132, 1134-35 (S.D. Fla. 2005) (upholding the Corps's Section 404 permit granted upon finding that "[t]he project as proposed with minimization efforts and mitigation ... is the least damaging practicable alternative.").

qualify as preservation/compensatory mitigation tracts because they are not, for example, under threat of destruction or adverse modification, CMP may consider offering these tracts for sale.

FLAGSTAFF LAKE TRACT

The Flagstaff Lake Tract (FLT) is approximately 831 acres located on the largely undeveloped eastern end of Flagstaff Lake in northwest Somerset County. The parcel has 4 miles of frontage along the Long Falls Dam Road, which is a paved public road and the main public access road to this area. The lake side of the property runs along the shoreline for approximately 8.5 miles. The property is defined by the 1150-foot contour line, which is just inland of the full lake elevation of 1146 feet. The land between the lake and the 1150-foot contour line is part of the Brookfield hydro project, but CMP has deeded access to this area that includes crossing rights and boat storage. Although the FLT is subject to flowage rights, such rights apply only to the extent to which such land has been historically flowed by the dam. Because the extent of such historical flowage is limited, and given the FLT's access right to Flagstaff Lake, the FLT could be developed at and above the highest typical and historical flowage elevations.



While your comments raise concern with the "level of human activity" at this parcel, echoed by Jim, existing development on the parcel is limited. Maine Huts and Trails (MHT) has constructed a popular lodge known as the Flagstaff Lake Huts along the northern shoreline and MHT maintains a trail network that crosses the property. The lodge and trail have been sited with sensitivity to the existing resources of the property, including wetlands and habitat. The facilities are operated to coexist with the important functions and values of the site and region. There is also one small leased camp near the middle of the property.

You also raised concern with this parcel's "tie in" to other protected parcels, a concern that Jim also noted. As discussed below, the FLT lies between the Maine Bureau of Parks and Land (MBPL) Dead River Peninsula property and Bigelow Preserve. Preservation of the FLT would link these two areas and close

a now open gap within the conservation land for this important part of the State of Maine, including over 8.5 miles of shoreline along Flagstaff Lake.

The property is located within Maine's Unorganized Territory and is regulated by the Land Use Planning Commission (LUPC). Much of the parcel is within a General Management Subdistrict (M-GN) where, in accordance to LUPC's Chapter 10 provisions, various land uses are permissible. Uses permitted without a permit include campsites, accessory structures, hand carry launches, trailed ramps, and forest management. Land uses that can be allowed through permitting include residential construction, subdivisions, and recreational lodging facilities. The parcel also includes the Wetland Protection Subdistrict (P-WL), including Wetlands of Special Significance (P-WL1, i.e., WOSS), Scrub-Shrub Wetlands (P-WL2, i.e., PSS), and Forested Wetlands (P-WL3, i.e., PFO). Other Protection Subdistricts on the FLT include Accessible Lake (P-AL), Great Pond (P-GP), Shoreland (P-SL2,), and Unusual Area (P-UA).

Physical, chemical, or biological functions
The existing functions and values of the FLT include the following (for more information please see the Natural Resources report from Power Engineers):

- *Lake Character*: Flagstaff Lake has been classified as a lake of statewide significance by LUPC due to its exceptional values. The Wildlands Lake Assessment identified it as having an outstanding resource rating for fisheries and for wildlife. It was rated as significant for scenic and shore character.

- *Wetland Resources*: FLT contains approximately 412 acres of a diverse mix of wetland types (PFO, PSS, PEM) at the center of which is a high value IWWH. In addition to the lacustrine shoreline, there is also approximately 9,800 linear feet of named and unnamed perennial and intermittent streams that cross the tract and are tributaries to Flagstaff Lake.

Flagstaff Lake Tract Summary	
Size	831.39 acres
NWI Wetlands	84 acres
Mapped Wetlands (delineated/GPS Identified)	412 acres
Inland Wading Bird/Waterfowl Habitat	30 acres
Upland Buffer Area	420 acres
Streams	9,810 linear feet
Non-Significant Vernal Pool Types	
1 PSVP 7 VPs 20 CVPs 39 PVPs	

- *Groundwater Recharge:* There are no Maine Geological Survey mapped sand and gravel aquifers on the FLT property. However, an esker at the south end of the lake is identified as a Significant Sand and Gravel Aquifer (MGS OF No. 01-132). The FLT is part of the surface hydrologic system draining into the lake and therefore helps to recharge this downgradient aquifer.

- *Fish Habitat:* Landlocked salmon, brook trout, yellow perch, chain pickerel, and an assortment of baitfish inhabit Flagstaff Lake and, although marginal for coldwater gamefish (MDIFW, 1988), in 2017 it was stocked with approximately 3,400, 7-to-8 inch landlocked salmon and brook trout to support the lake fishery for recreational anglers (MDIFW, 2018). Freshwater mussels observed

downstream along muddy shorelines of the Dead River are also likely to inhabit similar substrate in Flagstaff Lake.

- *Wildlife Habitat: M*oose, bear, deer, beaver, otter, mink, and other smaller mammals are abundant on FLT. In addition, FLT provides high quality habitat for a wide variety of raptors, waterfowl, gamebirds, passerines, songbirds, amphibians, reptiles, and insects. Habitat is further enhanced by the presence of a high rated IWWH (ID UMO-9951) near the center of the tract.

- *Recreation/Preservation:* FLT is at the crossroads of the MHT, Appalachian, and Northern Forest Canoe trail network traveled by day- and through-hikers and is also used for camping, cross-country skiing, and snowshoeing. Fishing and boating are widely used offerings of Flagstaff Lake, and hunting opportunities are also provided by FLT. When combined with the adjacent conservation lands, the FLT is part of a large conservation area comprising over 42,000 acres and over 8.5 miles of shoreline.

Overall, the FLT includes a combination of upland and aquatic resource preservation, rather than aquatic resources-only preservation, to offer better protection of aquatic functions (as state laws may not protect non-wetlands whose degradation would affect aquatic resources).

Ecological sustainability of the watershed

The resources listed above contribute significantly to the sustainability of the watershed. Palustrine wetlands along named and unnamed streams crossing FLT help to stabilize adjoining upland, thereby limiting and protecting lake degradation. The wetlands contribute to water quality in the lake as well as the downgradient aquifer. The tract consists of a variety of vegetative communities that provide different cover types, habitat characteristics, and ecological functions. Due to the large westward fetch of Flagstaff Lake, lacustrine and palustrine vegetated wetlands aligned along the east shore of the lake buffer and protect the adjoining shoreline from prevailing wind generated waves.

The FLT is within Maine's Western Mountain area, which is known for its natural resources and recreational opportunities. Multiple recreational trails, including the Appalachian Trail and the Northern Forest Canoe Trail, can be accessed from the FLT. The property lies between, and therefore links, the Maine Bureau of Parks and Land (MBPL) Dead River Peninsula property and the 36,000 acres of Public Land making up the Bigelow Preserve. Bigelow Mountain, with a highest elevation of 4,150 feet, and the view focal point from the property, is designated as a National Natural Landmark by the U.S. Department of the Interior.

Appropriateness and practicability of preservation

Preservation of FLT will allow for permanent protection from development and will preserve the existing wildlife habitat, water quality benefits, vernal pool habitat, and recreational/educational opportunities that are an integral component of the watershed. Approximately half of the 831.39 acre tract has a diverse mix of wetland types (PFO, PSS, PEM) at the center of which is a high value IWWH. There are approximately 9,800 linear feet of named and unnamed perennial and intermittent streams that cross the tract and are tributaries to Flagstaff Lake.

In addition, as noted in the section above, the FLT lies wholly within the 50,000-acre Bigelow Mountain-Flagstaff Lake-North Branch Dead River Focus Area. These are areas of Statewide Ecological Significance as identified by MNAP, MDIFW, MDMR, USFWS, TNC, Maine Audubon, and the Maine Coast Heritage Trust. This classification is based on the abundance of recreational opportunities and natural features and landscapes of exceptional ecological value. Preservation of this Tract along approximately 8.5 miles of the east shore of Flagstaff Lake will close a now open link between the conserved Bigelow Preserve to the south and the Dead River Peninsula to the north.

Preservation of this parcel is appropriate as it makes sense in the watershed context, provides protection of important aquatic resources, and is sustainable in the long-term.

Threat of destruction or adverse modifications

Like many areas in Maine, Somerset County has experienced population and economic decline, primarily due to the loss of manufacturing. However, in recent years Somerset County has shifted focus toward building a regional economy that takes advantage of the area's vast natural resources. Economic and community initiatives, such as the Somerset County Rural Cultural Plan, are working to shift the focus of growth and community development toward cultural opportunities, arts, and recreation. At the heart of these initiatives is the need to attract a steady flow of people to help preserve a sustainable population and economic base.

While removed from the core communities along Route 201, the FLT is positioned in a location that offers recreation-oriented development in the form of residential lots and/or recreational lodging facilities much like the existing MHT Flagstaff Lodge. The site has over 400 acres of upland available for development and offers over 8 miles of shoreline access on Flagstaff lake.

Residential Development. It is likely that any residential development on this site would take the form of single lots over a period of time rather than a full subdivision. Under current rules, landowners are allowed to create 2 lots every 5 years in each township without subdivision approval. This is known commonly as the "2 in 5 exemption". The LUPC has recognized that the "2 in 5" subdivision exemption could have negative implications to the principal values of the Unorganized Territory. These values, which include unique high-value natural resources and a unique natural character, are present in the FLT and surrounding lands. In any development analysis, the existing 2 in 5 exemption could result in several new lots, which would be sited in scattered and haphazard developments. This type of piecemeal development results in the loss of high value shoreline, forest fragmentation, and loss of recreational values.

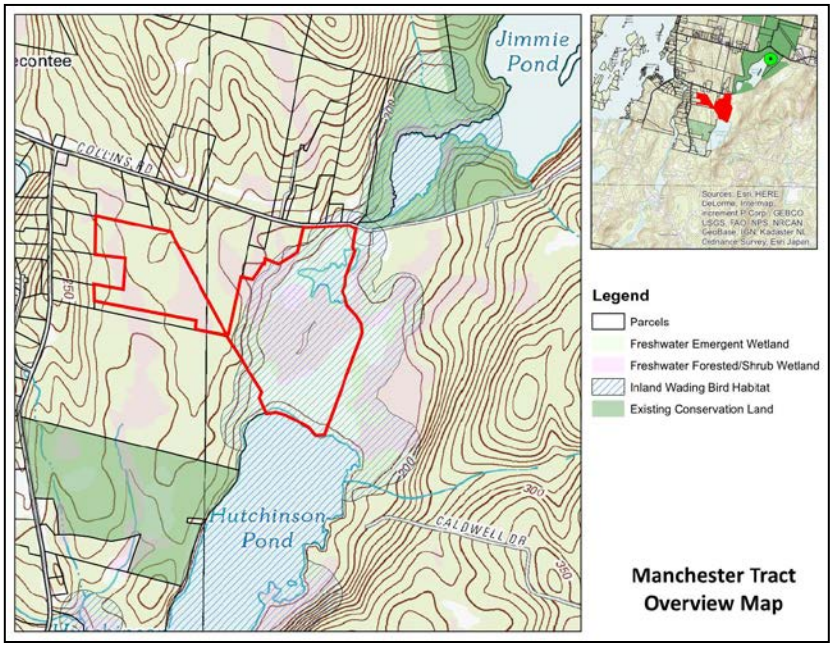
Recreational Lodging Development. The existing rules would allow the development of a recreational lodging facility. There are a several different scales of Recreational Lodging Facility that could be approved on the FLT. Within 500 feet of the shoreline the Chapter 10 rules allow for facilities that could accommodate a maximum overnight capacity of up to 100 people. Outside this area, the maximum size increases to allow a principal building of up to 12,000 SF and an overnight occupancy of up to 150 people. In addition to the risks of losing high value shoreline and of habitat fragmentation, one over-arching result of these types of developments is that the nature of the area could shift from a "backcountry" experience to an intensively managed recreation destination. This change would be contrary to the purposes for which the adjacent conservation parcels were established.

Forest Management Activities. According to the Forest Operations Notifications (FONS) from the last five and one-half years, within a 20-mile buffer of the FLT, the Maine Forest Service has received 784 notifications for forest management activities totaling 125,918.69 harvest acres. These notifications demonstrate that if this tract is determined to not qualify as a preservation/compensatory mitigation tract, and even if it were not sold for development, it would be under threat of destruction or adverse modification through forest management, which is common in this area.

In short, the parcel is open to development in ways that could damage the functions and values of wetland resources located there, and preservation would reduce the threat of future impacts and may stem future aquatic resource degradation.

Legal instrument
As part of the compensation package for NECEC, the entire tract will be permanently protected via a conservation easement or similar document.

LITTLE JIMMIE POND-HARWOOD TRACT



The Little Jimmie Pond-Harwood Tract (LJPT) is comprised of two separate parcels totaling approximately 110 acres. The property is accessible from the Collins Road, which is a public street in the Town of Manchester (about 6 miles from downtown Augusta). The LJPT has approximately 310 feet of road frontage along the Collins Road and approximately 900 feet of frontage on Hutchinson Pond.

The northern side of tract shares approximately 1,200-feet with the 886-acre Jamie's (Jimmie's) Pond Wildlife Management Area (WMA), which is managed by the Maine Department of Inland Fisheries and Wildlife (MDIFW). Jimmie's Pond is approximately 107 acres and is 75 feet deep. It is stocked with brook trout and splake. It also has small and large mouth bass and pickerel. The property provides habitat to numerous birds, including herons, hawks, loons, osprey and a wide variety of songbirds. Jamie's Pond is undeveloped but does provide carry-in boat access and six miles of hiking/cross-country skiing trails, which, with the surrounding woods, make Jamie's Pond a unique natural getaway in Central Maine. MDIFW manages the area primarily for wildlife.

LJPT is currently undeveloped but is actively used for recreational activities and hunting. The property is located within the Town's Rural Residential Zone, which allows for a mixture of uses including residential dwelling and commercial activities (with conditional use approval from the Town). Areas within 250 feet of the pond are in a Resource Protection Zone. LJPT was among the parcels considered in 2008 and 2009 for use in the compensation plan for the Maine Power Reliability Program (MPRP) project, and a natural resource inventory was completed on this parcel at that time.

Physical, chemical, or biological functions for the watershed

The existing functions and values of the LJPT include the following (for more information please see the Natural Resources report from Power Engineers):

- *Lake Character*: Hutchinson Pond has been classified by Maine DEP as a lake which is most at risk from new development. According to the Town's Comprehensive Plan, water quality is listed as "moderate-sensitive" and it would be very susceptible to phosphorous loading if not for its rapid flushing rate (seven flushes per year). The Kennebec Land Trust owns a 105-acre conservation parcel on Hutchinson Pond 2,765 feet of stream frontage and 1600 feet of undeveloped shoreline. They have recreational trails and access to the Pond. Nearby Jimmies Pond, which is connected to Hutchinson Pond by a small stream and wetland complex, contains a mixture of open water, shallow and deep marsh, shrub swamp, and flooded woodland. The area provides habitat for numerous species of waterfowl and wading birds, aquatic furbearers and other wildlife species. The 808 acres of upland habitat is predominantly mixed forest. The pond's shoreline remains largely undeveloped, making it popular with local anglers seeking to enjoy the unspoiled setting. It's also a quiet and scenic canoe or kayak.

- *Wetland Resources*: Approximately 66.46 acres (62%) of the 110 total acres of the LJPT were identified as wetland. The primary wetland system on the eastern parcel is a large emergent marsh (PEM) located on the northern end of Hutchinson Pond which extends off site and to the south from the southeast corner of the parcel. The portion of the marsh located on the LJPT totals approximately 50.5 acres. A perennial stream flows from the northern property boundary through the large marsh and into Hutchinson Pond (L1UB). The stream flow is relatively low velocity that has further slowed to a ponded condition by an active beaver dam. The marsh is surrounded by a perimeter of scrub-shrub wetland (PSS) that transitions into forested wetland in most locations before ultimately becoming upland forest both along the western marsh edge and within the large section of upland in the center of the marsh.

Little Jimmie Pont-Harwood Tract Summary	
Size	109.77 acres
Wetland Areas	66.97 acres
Inland Wading Bird/Waterfowl Habitat	75 acres
Upland Buffer Area	42.08 acres
Streams	3,030 linear feet
Vernal Pool Types	
2 PSVPs (42.80 acres of potential Critical Terrestrial Habitat) 6 VPs 2 ABA	

The most recent FIRM for this part of Manchester (Community Panel Nos. 23011 C0494D, C0513D effective date June 6, 2011), prepared FEMA identifies a 100-year floodplain associated with Inlet Stream that encompasses the wetland

southward from Collins Road to Hutchinson Pond (HP). On the west side of the parcel wetlands hydrologically connected to HP therefore also contribute to the function of flood flow alteration

- *Groundwater Recharge:* Groundwater recharge was noted as a primary function for the black spruce bog in the west parcel of LJPT as well as in the smaller isolated, seasonally flooded wetlands located throughout the property. Groundwater discharge was noted in the forested wetlands that are connected to the large emergent marsh in the east parcel as well as the black spruce bog and larger wetland system off-site to the west of LJPT.

- *Fish Habitat:* Surveys conducted by MDIFW indicate Hutchinson Pond has abundant warm water fish habitat, including pickerel and largemouth bass, white and yellow perch, pumpkinseed sunfish, baitfish and American eel. Brook trout are stocked annually in Jimmie Pond to the north of the parcel and likely migrate south into Hutchinson Pond during spring and fall when water temperatures are adequate.

- *Wildlife Habitat:* The variety of vegetation provides suitable habitat for a multitude of birds, reptiles, amphibians, insects, and mammals. The large marsh on the eastern part of the property has been mapped as IWWH (ID 031056) and provides outstanding habitat for species of birds. Deer Wintering Areas have also been identified on Beginning with Habitat maps in the forested area between the east and west parcels that comprise the LJPT. Upland areas associated with the wetlands provide additional habitat for various species which utilize a mix of wetland and upland habitats or those that typically utilize uplands as their primary habitat.

- *Recreation/Preservation:* The property is in close proximity to the greater Augusta area as well as between a WMA to the north and an existing conservation land parcel to the south. Numerous recreational opportunities are available on the property including, fishing, hunting, hiking, boating, and bird watching. The quality and type of wetlands on the property, soil types, diverse vegetation communities, and presence of numerous vernal pools would provide a vast array of educational opportunities for the public.

The LJHP Tract includes a combination of upland and aquatic resource preservation, rather than aquatic resources-only preservation, to offer better protection of aquatic functions (as state laws may not protect non-wetlands whose degradation would affect aquatic resources).

Ecological sustainability of the watershed

The resources listed above contribute significantly to the watershed. The LJPT is within the Kennebec River watershed and is connected hydrologically via the outlet of Hutchinson Pond, which drains into Cobbosseecontee Stream and ultimately connects with the Kennebec River approximately 10.5 downstream from the Tract. Immediately to the east of the tract on the opposite side of Benson Road is Beginning with Habitat's Cobbossee–Annabessacook Focus Area (BWH, 2018). The focus area is comprised of extensive areas of wetlands that provide habitat for wintering deer, rare species, and outstanding habitat for wading birds and waterfowl. Storm water runoff from uplands and small ephemeral streams that drain into the wetlands is dissipated within the organic soils and dense vegetation where nutrients carried with the runoff are processed into other forms and transferred to higher trophic levels in the ecosystem.

Open water and emergent marsh habitats in the west parcel have suitable organic and/or fine grained soils, slow moving water, variable water depths, flood storage capacity, and dense vegetation that are important and effective aspects of sediment, toxicant, and pathogen retention. The organic soils and long duration water retention time present in the black spruce bog in the west parcel also are important factors in sediment, toxicant, and pathogen reduction.

The emergent marsh in the east parcel is in a mapped floodplain and contains a riparian buffer area comprised of scrub-shrub wetland that transitions into forested wetland. The wetlands around the perimeter of the marsh are an important component of floodwater attenuation and help to provide overall stability for downstream water resources such as Hutchinson Pond.

Appropriateness and practicability of preservation

Preservation of this property will include 66.97 acres of diverse wetland habitat, 3,030 linear feet of streams, eight (8) vernal pools and 42.80 acres of vernal pool critical terrestrial habitat. Preservation of this tract will allow for permanent protection from development and will preserve the existing recreational opportunities, wildlife habitat, water quality benefits, vernal pool habitat, and educational opportunities of the LJPT.

The location of the LJPT in proximity to ecological focus areas, conservation lands, and protected wildlife areas provides enhanced value to the property from a protected land standpoint, primarily due to connectivity with these other parcels that will provide greater habitat functionality at a landscape scale. The current lack of development in the surrounding landscape and proximity to protected lands provides large buffer areas which augment the overall ecological functions of the property, specifically the diverse set of wetland systems located on site.

Preservation of this parcel is appropriate as it makes sense in the watershed context, provides protection of important aquatic resources, and is sustainable in the long-term.

Threat of destruction or adverse modifications

Development in this part of the Town of Manchester is primarily residential homes with small fields and secondary roads scattered throughout the area. Hutchinson Pond itself is lightly developed. Considering the property location within close proximity to Augusta (approximately 12.7 miles from Exit 109 on I-95 in Augusta), there are attractive options for future development

It is likely that any development on this parcel would be residential similar to the existing pattern of development in the area. Approximately twenty (20) acres or 18% of the property is zoned to permit single lot residential or duplex development with a permit from the Code Enforcement Officer. The minimum lot size, which is two acres, could allow an estimated ten homes to be built. Using the “2 in 5” subdivision exemption this type of development could have a negative impact on the wetlands and water quality of Hutchinson Pond. Subdivisions are also allowed with conditional use approval, as are several commercial activities. Overall, should development occur on this tract, it would cause fragmentation of the existing habitat and change the undeveloped nature of Hutchinson Pond.

Forest Management Activities. According to the FONS from the last five and one half years, within a 20-mile buffer of the LJPT, the Maine Forest Service has received 2,215 notifications for forest management activities totaling 89,221.97 harvest acres. These notifications demonstrate that if this tract is determined to not qualify as a preservation/compensatory mitigation tract, and even if it were not sold for development, it would be under threat of destruction or adverse modification through forest management, which is common in this area.

In short, the parcel is open to development in ways that could damage the functions and values of wetland resources located there, and preservation would reduce the threat of future impacts and may stem future aquatic resource degradation.

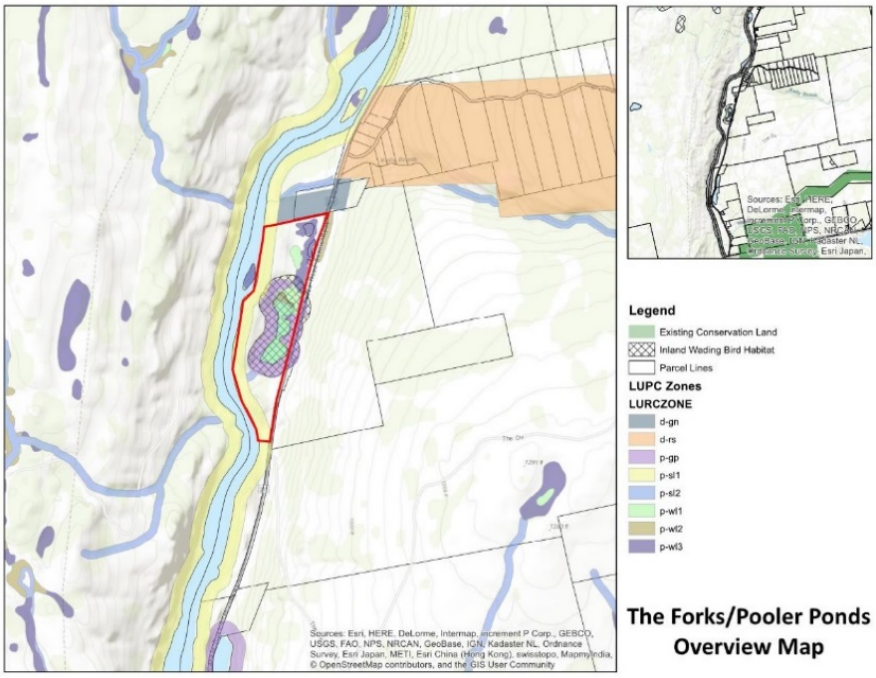
Legal instrument
As part of the compensation package for NECEC, the entire 110 acre (+/-) LJPT will be permanently protected via a conservation easement or similar document.

POOLER POND TRACT

The Pooler Pond Tract (PPT) is approximately 81 acres located along Maine Scenic Byway Route 201 in The Forks Plantation about 3 miles from the village of The Forks. The site has .8 miles of river frontage along the Kennebec and encompasses all of Pooler Pond.

There is no existing development on the property, however, a portion of the Forks Area Scenic Trail (F.A.S.T.) runs through the site between Pooler Pond and the River. The adjacent property is developed by a rafting and river campground.

The property is located within Maine's Unorganized Territory and is regulated under LUPC rules and guidelines. The parcel contains multiple zoning subdistricts including the Shoreland Protection Subdistrict (P-SL), the General Management Subdistrict (M-GN), Great Pond Subdistrict (P-GP), and Wetland Protection Subdistricts (P-WL). There are several permitted uses within each of these subdistricts including residential dwellings and campsites.



Retail stores, restaurants, and recreational lodging facilities are also allowed with special exception approval. Pooler Pond and the associated shoreline has been designated as an Inland Wading Bird and Water Fowl habitat by MDIFW. There are also areas wetland (and associated wetland zoning) around the northerly portion of the pond.

Physical, chemical, or biological functions for the watershed

Lake Character: Pooler Ponds (MIDAS # 4106) are designated as a "water quality limiting lake" (WQLL) sensitive to increased phosphorus concentrations and therefore is subject to additional residential development restrictions.

- *Wetland Resources*: Approximately 18.33 acres (22.6%) on PPT were identified as palustrine wetland. This includes the 8.12 acre Pooler Ponds complex (PUB) and 10.21 acres of additional palustrine wetland. The primary wetland system on this property is palustrine unconsolidated bottom (PUB) associated with the open water of the pond complex. The fringe of this wetland system is enveloped by a graminoid-dominant palustrine emergent area (PEM), which is bordered by a co-dominant palustrine scrub-shrub wetland (PSS). The Tract has approximately 0.8 river-miles of frontage along the Kennebec River, a permanently flooded, lower perennial riverine wetland system with an unconsolidated bottom (R2UBH). Where the land does not abruptly drop from bedrock cliff to river, there is generally a 20- to 50-foot strip of palustrine scrub shrub (PSS) wetland along the fringe of the Kennebec River.

  As mapped by the USDA NRCS on Web Soil Survey, approximately 56 acres (68%) of PPT is underlain by somewhat excessively drained (SED) soils. In addition to slightly more than 8 acres of waterbody, the remainder of the Tract is mapped as well drained. The soils are derived from glacial outwash plains, till plains and eskers consisting of fine silt loams and clay loams. Hydric soils were identified primarily along fringe wetlands that occur around most of Pooler Ponds and parts of the Kennebec River. The fringe wetlands associated with the pond are classified as PEM and PSS with some smaller components of PFO. A small PSS wetland was mapped along the Kennebec River consisting of fine loamy sands.

- *Groundwater Recharge:* PPT occurs on the Kennebec River Significant Sand and Gravel Aquifer. Onsite wetlands help groundwater discharge from up gradient, as well as recharge areas to the adjoining Kennebec River.

- *Fish Habitat:* The Kennebec River is popular for brook trout and landlocked salmon fishing. Pooler Ponds lack a perennial stream connection to the river and are most likely habitat for a warmwater fishery.

- *Wildlife Habitat:* PPT provides high quality habitat for a wide variety of wildlife including large mammals, raptors,

Pooler Pond Tract Summary	
Size	81.24 acres
Wetland Areas	18.33 acres
Inland Wading Bird/Waterfowl Habitat	31.39 acres
Upland Buffer Area	62.91 acres
Streams	4,480 linear feet
Vernal Pool Types	
1 VP	

waterfowl, passerines songbirds, amphibians, reptiles and insects. The property also has been mapped as a moderate value IWWH (ID UMO-9951) near the center of the Tract.

- *Recreation/Preservation:* PPT is located between a commercial rafting and river guide operation and campground immediately to the north and the Appalachian Trail Corridor 3.4 miles to the south. The Tract is also crossed by the F.A.S.T. and is an access point to fishing and boating on the Kennebec River. This easily accessible Tract provides diversity and abundance of aquatic plants and graminoids relevant to the study of botany and wetland ecology.

The PPT includes a combination of upland and aquatic resource preservation, rather than aquatic resources-only preservation, to offer better protection of aquatic functions (as state laws may not protect non-wetlands whose degradation would affect aquatic resources).

Ecological sustainability of the watershed
The resources outlined above contribute significantly to the ecological sustainability of the watershed. Riverine vegetated wetlands aligned along the east shore of the Kennebec River buffer and protect the adjoining upland shoreline from scour and erosion. Palustrine wetlands around the perimeter of Pooler Ponds also stabilize adjoining upland, thereby limiting and protecting lake degradation. The Tract provides a comprehensive mix of wetland types corresponding to the topographic gradient. PPT provides high quality habitat for a wide variety of wildlife including large mammals, raptors, waterfowl, passerines songbirds, amphibians, reptiles and insects.

In addition, this area of Route 201 is part of the Canada Scenic Byway and recognized for its recreational and scenic character. The area is developed with a mix of residential and commercial uses.

Appropriateness and practicability of preservation
There are no conserved lands or focus areas immediately adjacent to or within one mile of PPT. However, this area is important to the preservation of the watershed and recreational nature of the area. As part of the compensation package for NECEC, the approximately 81.24 acre Pooler Ponds Tract will be permanently protected. Preservation of this Tract along approximately 0.8 miles of the Kennebec River will secure access for rafting, other boating/ canoeing and fishing. In addition, preservation of PPT will result in permanent protection from development and will preserve the existing wildlife habitat, water quality benefits, vernal pool habitat, and educational opportunities adjacent to a Maine Scenic Byway.

Preservation of this parcel is appropriate as it makes sense in the watershed context, provides protection of important aquatic resources, and is sustainable in the long-term.

Threat of destruction or adverse modifications
Like the FLT, this property is located in a part of the state where the regional economy is shifting toward a focus on cultural opportunities, arts and recreation. This property has the same development opportunities due to the proximity of the site to existing development (3.5 miles to the village of The Forks, 4 miles to Caratunk, 20 miles to Bingham), availability of shore frontage for direct access to the Kennebec, shore frontage on Pooler Pond, and accessibility to a main road. It is likely that development

would be in the form of residential homes or camp style development, overnight accommodations, or recreational development, much like the FLT. Even without formal subdivision approval, development in the form of single lots over a period of time, using the "2 in 5 exemption", could have negative implications to unique undeveloped character of the river frontage and shoreline around Pooler Ponds.

Residential Development. It is likely that any residential development on this site would take the form of single lots over a period of time rather than a full subdivision. Under current rules, landowners are allowed to create 2 lots every 5 years in each township without subdivision approval. This is known commonly as the "2 in 5 exemption". The LUPC has recognized that the "2 in 5" subdivision exemption could have negative implications to the principal values of the Unorganized Territory. These values, which include unique high-value natural resources and a unique natural character, are present in the PPT and surrounding lands. In any development analysis, the existing 2 in 5 exemption could result in several new lots which would be sited in scattered and haphazard developments. This type of piecemeal development results in the loss of high value shoreline, forest fragmentation, and loss of recreational values.

Recreational Lodging Development. The existing rules would allow the development of a recreational lodging facility. There are a several different scales of Recreational Lodging Facility that could be approved on the FLT. Within 500 feet of the shoreline the Chapter 10 rules allow for facilities that could accommodate a maximum overnight capacity of up to 100 people. Outside this area, the maximum size increases to allow a principal building of up to 12,000 SF and an overnight occupancy of up to 150 people. In addition to the risks of losing high value shoreline, one over-arching results of these types of developments is that the nature of the area could shift from a "backcountry" experience to an intensively managed recreation destination. This change would be contrary to the purposes for which the adjacent conservation parcels were established.

Forest Management Activities. According to the FONS from the last five and one half years, within a 20-mile buffer of the PPT, the Maine Forest Service has received 627 notifications for forest management activities totaling 156,568.27 harvest acres. These notifications demonstrate that if this tract is determined to not qualify as a preservation/compensatory mitigation tract, and even if it were not sold for development, it would be under threat of destruction or adverse modification through forest management, which is common in this area.

The parcel is open to development in ways that could damage the functions and values of wetland resources located there, and preservation would reduce the threat of future impacts and may stem future aquatic resource degradation.

Legal instrument.
As part of the compensation package for NECEC, the entire tract will be permanently protected via a conservation easement or similar document.

Please do not hesitate to contact me if you have any questions.

Sincerely,
The Musson Group

Noel Musson, Principal

Enclosures

Exhibit 1-4: NECEC Compensation Package Summary

Exhibit 1-4 Compensation Package Summary

Project Impact				Compensation Required[1]			Compensation Sites			
Activity		Square feet	Acres	Agency Required by	Compensation Ratio X Adjustment[2]	Estimated Quantity Required	Flagstaff Lake Tract	Little Jimmie Pond-Harwood Tract	Pooler Pond Tract	Total Compensation
							Total Acres= 831.39	Total Acres= 109.77	Total Acres= 81.24	Total Area= 1022.40
Impact to Wetlands	Permanent Fill in Wetlands (Non-WOSS)	194,713	4.47	USACE & MDEP	See Exhibit 1-4 ILF Compensation Table		423.96 of wetland preservation	68.46 of wetland preservation	18.33 of wetland preservation	510.75 acres of wetland preservation to offset 149.07 acres of Permanent forested wetland conversion, which is 63.5 acres, or 14%, over the amount of compensation required. $1,645,466.07 ILF for Permanent Fill in Non-WOSS, Permanent fill in WOSS and Temporary Wetland Fill.
	Permanent Fill in WOSS[3]	36,895	0.85	USACE & MDEP						
	Temporary Wetland Fill[3] in PEM (<18 months)	838,530	19.25	USACE						
	Temporary Wetland Fill[3] in PSS[4] (<18 months)	1,217,938	27.96	USACE						
	Permanent Forested Wetland Conversion[5]	6,493,593	149.07	USACE	20:1 x 0.15 USACE ratio applied	447.22				
	Total Impact:	8,781,800	201.60		**Total Required:**	447.22				
Impact to Significant Vernal Pool Habitat (250')[6]	Permanent Wetland Fill in SVPH	32,365	0.74	USACE & MDEP	See Exhibit 1-4 ILF Compensation Table		See Exhibit 1-4 ILF Compensation Table			$134,780.22 ILF amount
	Permanent Forested Wetland Conversion SVPH	169,884	3.90	USACE & MDEP	20:1 x 0.15 USACE ratio applied	Included In Forested Wetland Conversion				
	Permanent Upland Fill in SVPH	31,320	0.72	MDEP	See Exhibit 1-4 ILF Compensation Table					
	Permanent Upland Conversion in SVPH	1,363,864	31.31	MDEP						
	Total Impact:	1,395,183	32.02		**Total Required:**	n/a				
Impact to USACE Juridictional Vernal Pools	Direct Fill in Vernal Pool Depression or 100' Envelope	96,503	4.47	USACE	See Exhibit 1-4 ILF Compensation Table		See Exhibit 1-4 ILF Compensation Table			$2,113,103.77 ILF amount
	High Value Vernal Pools[7]		56.00	USACE						
	Medium Value Vernal Pools		122.00	USACE						
	Low Value Vernal Pools		72.00	USACE						
	Total Impact:	4.47 acres of direct fill / 250 vernal pools								
Impact to Inland Wading Bird & Waterfowl[8]	Permanent Wetland Fill in IWWH	150	0.00	USACE & MDEP	30:1 x 110 USACE ratio applied	Included in Permanent Fill in WOSS	28.88 acres (high value)	71.92 acres (moderate value)	31.39 acres (moderate value)	132.19 acres provided to offset 13.32 acres of IWWH, which is 62.47 acres, or 90%, over the amount of compensation required.
	Permanent Forested Wetland Conversion IWWH	114,231	2.62	USACE & MDEP	20:1 x 0.15 USACE ratio applied	Included In Forested Wetland Conversion				
	Permanent Upland Fill in IWWH	561	0.01	MDEP	8:1 x 1 MDEP ratio applied	0.06				
	Permanent Upland Conversion in IWWH	579,592	13.31	MDEP	8:1 x 0.60 MDEP ratio applied	63.87				
	Total Impact:	580,153	13.32		**Total Required:**	**69.72**				

[1] Based on ratios and adjustments within the DEP Fact Sheet-In-Lieu Fee Compensation Program, 2016 USACE New England District Compensatory Mitigation Guidance and discussions held during the Compensation Working Session on 4/3/18, with the USACE and MDEP.

[2] In each case where compensation is required by both the MDEP and USACE, the higher ratio and adjustment was applied.

[3] Temporary wetland fill to PEM and PSS wetlands within SVPH and IWWH is included within calculation.

[4] Given that hydrology or significant soil disturbance will not result, all forested wetlands will convert to scrub-shrub wetland.

[5] Conversion of forested wetlands includes clearing within SVPH or IWWH.

[6] Permanent wetland fill and forested wetland conversion impacts (shaded gray) in SVPH are included in the calculations provided in the Wetland Impact section of the table.

[7] Excludes impacts to SVPH

[8] Permanent wetland fill and forested wetland conversion impacts (shaded gray) in IWWH are included in the calculations provided in the Wetland Impact section of the table.

Exhibit 1-5: In Lieu Fee Summary and ILF Fee Calculations Tables

Exhibit 1-5: In-Lieu Fee Summary

Impact Type		Resource Impact		In Lieu (ILF) Fee Compensation (MDEP & USACE)[1]		Adjustments to Standard Ratios/Amounts[2]		ILF Payment
		Sq ft	Acres	Formula	Multiplier	DEP	USACE	
Wetland Impact	**Permanent Fill in Wetlands (Non-WOSS)** See Table 1-4.1	194,713	4.470	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	100%	100%	$765,942.19
	Permanent Fill in WOSS[3] See Table 1-4.2	36,895	0.846	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	2	100%	100%	$278,871.99
	Temporary Wetland Fill[3] in PEM (<18 months) See Table 1-4.3	838,530	19.250	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	USACE only	5%	$155,368.50
	Temporary Wetland Fill[3] in PSS[4] (<18 months) See Table 1-4.4	1,217,938	27.960	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	USACE only	10%	$445,283.39
	Permanent Forested Wetland Conversion[5] See Exhibit 1-3	6,493,593	149.070	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	USACE only	15%	Preservation, See Exhibit 1-3
Impact to MDEP Significant Vernal Pool Habitat (250')[6]	**Permanent Wetland Fill in SVPH** Included within WOSS calculation, Table 1-4.2	32,365	0.743	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	2	100%	100%	Preservation, See Exhibit 1-3
	Permanent Forested Wetland Conversion SVPH Included within Temporary Wetland Fill in PSS calculation, Table 1-4.4	169,884	3.900	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	60%	15%	Preservation, See Exhibit 1-3
	Permanent Upland Fill in SVPH See Table 1-4.5	31,320	0.719	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	100%	DEP only	$70,906.45
	Permanent Upland Conversion in SVPH See Table 1-4.6	1,363,864	31.310	Avg. Assessed Land Value/Sq. Ft	1	60%	DEP only	$63,873.77
Impact to USACE Jurisdictional Vernal Pool Habitat[7] (750')	**Direct Fill in Vernal Pool Depression or 100' Envelope** See Table 1.4.7a	96,699	4.700	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	USACE only	100%	$382,686.77
	High Value Vernal Pools[7] See Table 1.4.7b	56 High Value Vernal Pools		(13,000 Sq. ft x 5) X (Natural Resource Enhancement & Restoration Cost + Avg. Assessed Land Value)	1	USACE only	5%	$672,587.50
	Medium Value Vernal Pools See Table 1.4.7c	122 Medium Value Vernal Pools		(13,000 Sq. ft x 3) X (Natural Resource Enhancement & Restoration Cost + Avg. Assessed Land Value)	1	USACE only	5%	$889,219.50
	Low Value Vernal Pools See Table 1-4.7d	72 Low Value Vernal Pools		(13,000 Sq. ft x 1) X (Natural Resource Enhancement & Restoration Cost + Avg. Assessed Land Value)	1	USACE only	5%	$168,610.00
Inland Wading Bird & Waterfowl Habitat (IWWH)[8]	**Permanent Wetland Fill in IWWH** Included within WOSS calculation, Table 1-4.2	150	0.003	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	2	100%	100%	Preservation, See Exhibit 1-3
	Permanent Forested Wetland Conversion IWWH Included within Temporary Wetland Fill in PSS calculation, Table 1-4.4	114,231	2.622	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	60%	15%	
	Permanent Upland Fill in IWWH	561	0.013	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	100%	DEP only	
	Permanent Upland Conversion in IWWH	579,592	13.306	Avg. Assessed Land Value/Sq. Ft	1	60%	DEP only	
							Sub-Total	$3,893,350.06
							10% Contingency	$389,335.01
							Total In-Lieu Fee Payment	**$4,282,685.07**

[1] In each case where compensation is required by both the MDEP and USACE, the higher ratio and adjustment was applied.

[2] Ratios and adjustments are based in part on the DEP Fact Sheet-In-Lieu Fee Compensation Program, 2016 USACE New England District Compensatory Mitigation Guidance and discussions held during the Compensation Working Session on 4/3/18, with the USACE and MDEP.

[3] Temporary wetland fill to PEM and PSS wetlands within SVPH and IWWH is included within calculation.

[4] Given that hydrology or significant soil disturbance will not result, all forested wetlands will convert to scrub-shrub wetland.

[5] Conversion of forested wetlands includes clearing within SVPH or IWWH.

[6] Permanent wetland fill and forested wetland conversion impacts (shaded gray) in SVPH are included in the calculations provided in the Wetland Impact section of the table.

[7] Excludes impacts to SVPH.

[8] Permanent wetland fill and forested wetland conversion impacts (shaded gray) in IWWH are included in the calculations provided in the Wetland Impact section of the table.

Table 1-5.1 ILF Compensation for Permanant Fill in Wetlands (Non-WOSS)

		Permanent Wetland Fill in Non-WOSS						Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)			
			Cowardin Cover Type (Sq. Ft.)								
NECEC Project Component	Total Acres of Fill	Resource Impact (sq. ft.)[1]	PEM	PFO	PSS	HUC8 Watershed	Bailey and Keys Ecoregion	County	Natural Resource Enhancement and Restoration Cost ($)	Assessed Land Value ($)	In-Lieu Fee ($)
Transmission	0.04	1,742	0.018	0.002	0.024	NA	Central Maine Embayment	Androscoggin	3.61	0.17	$6,586.27
Transmission	0.01	436	0.006	0.000	0.004	NA	Presumpscot River and Casco Bay	Cumberland	3.61	0.69	$1,873.08
Transmission	0.01	436	0.005	0.004	0.000	NA	Foothills and Central	Franklin	2.86	0.03	$1,258.88
Transmission	0	0	0.000	0.000	0.001	NA	Central Interior	Kennebec	3.61	0.16	$0.00
Transmission	0.02	871	0.007	0.000	0.010	NA	Midcoast Region	Lincoln	3.61	0.3	$3,406.39
Transmission	0	0	0.001	0.000	0.000	NA	Midcoast Region	Sagadahoc	3.61	0.27	$0.00
Transmission	0.03	1,307	0.008	0.013	0.012	NA	Western Mountains	Somerset	3.61	0.04	$4,769.82
Merrill Road Converter	3.03	131,987	2.351	0.000	0.679	Androscoggin River	Maine Embayment	Androscoggin	3.61	0.17	$498,910.10
Fickett Road Substation	1.33	57,935	1.328	0.000	0.000	Presumpscot River and Casco Bay	Casco Bay Coast	Cumberland	3.61	0.69	$249,119.64
total acres	**4.47**									**Total In-Lieu Fee**	**$765,924.19**

1 Resource multiplier of 1

Table 1-5.2 ILF Compensation for Permanant Fill in WOSS

		Permanent Fill in Wetlands Special Significance (WOSS)[2]						Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)			
			Cowardin Cover Type (Sq. Ft.)								
NECEC Project Component	Total Acres of Fill	Resource Impact (sq. ft.)[1]	PEM	PFO	PSS	HUC8 Watershed	Bailey and Keys Ecoregion	County	Natural Resource Enhancement and Restoration Cost ($)	Assessed Land Value ($)	In-Lieu Fee ($)
Transmission	0.011	479	0.01	0.00	0.00	NA	Central Maine Embayment	Androscoggin	3.61	0.17	$3,622.45
Transmission	0	0	0.00	0.00	0.00	NA	Presumpscot River and Casco Bay	Cumberland	3.61	0.69	$0.00
Transmission	0	0	0.00	0.00	0.00	NA	Western Foothills and Central Mountains	Franklin	2.86	0.03	$0.00
Transmission	0	0	0.00	0.00	0.00	NA	Central Interior	Kennebec	3.61	0.16	$0.00
Transmission	0.01	436	0.01	0.00	0.01	NA	Midcoast Region	Lincoln	3.61	0.3	$3,406.39
Transmission	0	0	0.00	0.00	0.00	NA	Midcoast Region	Sagadahoc	3.61	0.27	$0.00
Transmission	0.015	653	0.00	0.00	0.00	NA	Western Mountains	Somerset	3.61	0.04	$4,769.82
Merrill Road Converter	0.811	35,327	0.80	0.00	0.00	Lower Androscoggin River	Central Maine Embayment	Androscoggin	3.61	0.17	$267,073.33
Fickett Road Substation	0	0	0.00	0.00	0.00	Presumpscot River and Casco Bay	Casco Bay Coast	Cumberland	3.61	0.69	$0.00
total acres	**0.85**									**Total In-Lieu Fee**	**$278,871.99**

1 Resource multiplier of 2

2 Includes permanent fill in IWWH and SVPH

Table 1-5.3 ILF Compensation for Temporary Wetland Fill in Emergent Wetlands

			Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)			
NECEC Project Component[1]	**Total Acres of Fill**	**Resource Impact (sq. ft.)[2]**	**County**	**Natural Resource Enhancement and Restoration Cost ($)**	**Assessed Land Value ($)**	**In-Lieu Fee ($)[3]**
Transmission Structures	6.15	267,894	Androscoggin	3.61	0.17	$50,631.97
Transmission Structures	0.84	36,590	Cumberland	3.61	0.69	$7,866.94
Transmission Structures	2.05	89,298	Franklin	2.86	0.03	$12,903.56
Transmission Structures	0.1	4,356	Kennebec	3.61	0.16	$821.11
Transmission Structures	4.42	192,535	Lincoln	3.61	0.3	$37,640.63
Transmission Structures	0.54	23,522	Sagadahoc	3.61	0.27	$4,563.35
Transmission Structures	5.15	224,334	Somerset	3.61	0.04	$40,940.96
total acres	**19.25**				**Total In-Lieu Fee**	**$155,368.50**

1 Temporary impacts are restricted to access to transmission line structure. There is no temporary wetland fill associated with substation development.
2 Resource multiplier of 1
3 For temporary wetland fill in emergent wetlands, the USACE adjustment to the standard ratio is 5%

Table 1-5.4 ILF Compensation for Temporary Wetland Fill in Scrub-Shrub Wetlands

			Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)			
NECEC Project Component[1]	**Total Acres of Fill**	**Resource Impact (sq. ft.)[2]**	**County**	**Natural Resource Enhancement and Restoration Cost ($)**	**Assessed Land Value ($)**	**In-Lieu Fee ($)[3]**
Transmission Structures	9.41	409,900	Androscoggin	3.61	0.17	$154,942.05
Transmission Structures	0.68	29,621	Cumberland	3.61	0.69	$12,736.94
Transmission Structures	2.82	122,839	Franklin	2.86	0.03	$35,500.53
Transmission Structures	0.22	9,583	Kennebec	3.61	0.16	$3,612.87
Transmission Structures	2.36	102,802	Lincoln	3.61	0.3	$40,195.43
Transmission Structures	0.03	1,307	Sagadahoc	3.61	0.27	$507.04
Transmission Structures	12.44	541,886	Somerset	3.61	0.04	$197,788.54
total acres	**27.96**				**Total In-Lieu Fee**	**$445,283.39**

1 Temporary impacts are restricted to access to transmission line structure. There is no temporary wetland fill associated with substation development.
2 Resource multiplier of 1
3 For temporary wetland fill in scrub-shrub, the USACE adjustment to the standard ratio is 10%

Table 1-5.5: ILF Compensation for Permanent Upland Fill in SVPH

			Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)			
NECEC Project Component	**Total Acres of Conversion**	**Resource Impact (sq. ft.)[1]**	**County**	**Natural Resource Enhancement and Restoration Cost ($)**	**Assessed Land Value ($)**	**In-Lieu Fee ($)[2]**
Transmission Structures	0.011	479	Androscoggin	3.61	0.17	$1,086.73
Transmission Structures	0.001	44	Cumberland	3.61	0.69	$112.38
Transmission Structures	0.005	218	Franklin	2.86	0.03	$377.67
Transmission Structures	0	0	Kennebec	3.61	0.16	$0.00
Transmission Structures	0.003	131	Lincoln	3.61	0.3	$306.58
Transmission Structures	0	0	Sagadahoc	3.61	0.27	$0.00
Transmission Structures	0.01	436	Somerset	3.61	0.04	$953.96
Merrill Road Converter Station	0.689	30,013	Androscoggin	3.61	0.17	$68,069.12
Fickett Road Substation	0	0	Cumberland	3.61	0.69	$0.00
total acres	**0.719**				**Total In-Lieu Fee**	**$70,906.45**

1 Resource multiplier of 1

2 Adjustment of 60% as per MDEP Guidance

Table 1-5.6: ILF Compensation for Permanent Upland Conversion in SVPH

			Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)			
NECEC Project Component	**Total Acres of Conversion**	**Resource Impact (sq. ft.)[1]**	**County**	**Natural Resource Enhancement and Restoration Cost ($)[2]**	**Assessed Land Value ($)**	**In-Lieu Fee ($)**
Transmission Structures	9.21	401,188	Androscoggin	0	0.17	$40,921.14
Transmission Structures	0	0	Cumberland	0	0.69	$0.00
Transmission Structures	8.77	382,021	Franklin	0	0.03	$6,876.38
Transmission Structures	0	0	Kennebec	0	0.16	$0.00
Transmission Structures	0	0	Lincoln	0	0.3	$0.00
Transmission Structures	0	0	Sagadahoc	0	0.27	$0.00
Transmission Structures	12.7	553,212	Somerset	0	0.04	$13,277.09
Merrill Road Converter Station	0.63	27,443	Androscoggin	0	0.17	$2,799.17
Fickett Road Substation	0	0	Cumberland	0	0.69	$0.00
total acres	**31.31**				**Total In-Lieu Fee**	**$63,873.77**

1 Resource multiplier of 1

2 For upland portions of SVPH, no restoration cost is associated with impact to non-wetland resources.

Table 1-5.7a ILF Compensation for Direct Fill in USACE Jurisdictional Vernal Pools

		Permanent Wetland Fill in Non-WOSS						Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)			
			Cowardin Cover Type (Sq. Ft.)								
NECEC Project Component	Total Acres of Fill	Resource Impact (sq. ft.)[1]	PEM	PFO	PSS	HUC8 Watershed	Bailey and Keys Ecoregion	County	Natural Resource Enhancement and Restoration Cost ($)	Assessed Land Value ($)	In-Lieu Fee ($)
Transmission	0.27	11,775	298	40	160	NA	Central Maine Embayment	Androscoggin	3.61	0.17	$44,509.50
Transmission	0.00	0	0	0	125	NA	Presumpscot River and Casco Bay	Cumberland	3.61	0.69	$0.00
Transmission	0.01	298	0	40	0	NA	Foothills and Central	Franklin	2.86	0.03	$861.22
Transmission	0.27	0	60	0	130	NA	Central Interior	Kennebec	3.61	0.16	$0.00
Transmission	0.03	1,487	780	0	242	NA	Midcoast Region	Lincoln	3.61	0.3	$5,814.17
Transmission	0.00	60	82	0	0	NA	Midcoast Region	Sagadahoc	3.61	0.27	$232.80
Transmission	0.02	846	191	240	0	NA	Western Mountains	Somerset	3.61	0.04	$3,087.90
Merrill Road Converter	1.12	48,886	6,479	1,310	0	Lower Androscoggin	Central Maine	Androscoggin	3.61	0.17	$184,789.08
Fickett Road Substation	0.77	33,347	0	0	0	Presumpscot River and Casco Bay	Casco Bay Coast	Cumberland	3.61	0.69	$143,392.10
total acres	**4.70**									**Total In-Lieu Fee**	**$382,686.77**

1 Resource multiplier of 1

Table 1-5.7b ILF Compensation for USACE High Value Jurisdictional Vernal Pools

					Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)			
NECEC Project Component	High Value Pools (#)	Multiplier x Standard Sq Ft	HUC8 Watershed	Bailey and Keys Ecoregion	County	Natural Resource Enhancement and Restoration Cost ($)	Assessed Land Value ($)	In-Lieu Fee ($)[2]
Transmission	33	65,000	NA	Central Maine Embayment	Androscoggin	3.61	0.17	$405,405.00
Transmission	0	65,000	NA	Presumpscot River and Casco Bay	Cumberland	3.61	0.69	$0.00
Transmission	4	65,000	NA	Foothills and Central	Franklin	2.86	0.03	$37,570.00
Transmission	0	65,000	NA	Central Interior	Kennebec	3.61	0.16	$0.00
Transmission	4	65,000	NA	Midcoast Region	Lincoln	3.61	0.3	$50,830.00
Transmission	0	65,000	NA	Midcoast Region	Sagadahoc	3.61	0.27	$0.00
Transmission	13	65,000	NA	Western Mountains	Somerset	3.61	0.04	$154,212.50
Merrill Road Converter	2	65,000	Lower Androscoggin River	Central Maine Embayment	Androscoggin	3.61	0.17	$24,570.00
Fickett Road Substation	0	65,000	Presumpscot River and Casco Bay	Casco Bay Coast	Cumberland	3.61	0.69	$0.00
Total No.	**56**						**Total In-Lieu Fee**	**$672,587.50**

1 Resource multiplier of 1
2 Adjustment of 5%

Table 1-5.7c ILF Compensation for USACE Medium Value Jurisdictional Vernal Pools

					Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)			
NECEC Project Component	Medium Value Pools (#)	Multiplier x Standard Sq Ft	HUC8 Watershed	Bailey and Keys Ecoregion	County	Natural Resource Enhancement and Restoration Cost ($)	Assessed Land Value ($)	In-Lieu Fee ($)[2]
Transmission	55	39,000	NA	Central Maine Embayment	Androscoggin	3.61	0.17	$405,405.00
Transmission	6	39,000	NA	Presumpscot River and Casco Bay	Cumberland	3.61	0.69	$50,310.00
Transmission	10	39,000	NA	Foothills and Central	Franklin	2.86	0.03	$56,355.00
Transmission	1	39,000	NA	Central Interior	Kennebec	3.61	0.16	$7,351.50
Transmission	17	39,000	NA	Midcoast Region	Lincoln	3.61	0.3	$129,616.50
Transmission	9	39,000	NA	Midcoast Region	Sagadahoc	3.61	0.27	$68,094.00
Transmission	23	39,000	NA	Western Mountains	Somerset	3.61	0.04	$163,702.50
Merrill Road Converter	0	39,000	Lower Androscoggin River	Central Maine Embayment	Androscoggin	3.61	0.17	$0.00
Fickett Road Substation	1	39,000	Presumpscot River and Casco Bay	Casco Bay Coast	Cumberland	3.61	0.69	$8,385.00
Total No.	**122**						**Total In-Lieu Fee**	**$889,219.50**

1 Resource multiplier of 1
2 Adjustment of 5%

Table 1-5.7d ILF Compensation for USACE Low Value Jurisdictional Vernal Pools

					Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)			
NECEC Project Component	Low Value Pools (#)	Multiplier x Standard Sq Ft	HUC8 Watershed	Bailey and Keys Ecoregion	County	Natural Resource Enhancement and Restoration Cost ($)	Assessed Land Value ($)	In-Lieu Fee ($)[2]
Transmission	32	13,000	NA	Central Maine Embayment	Androscoggin	3.61	0.17	$78,624.00
Transmission	0	13,000	NA	Presumpscot River and Casco Bay	Cumberland	3.61	0.69	$0.00
Transmission	12	13,000	NA	Foothills and Central	Franklin	2.86	0.03	$22,542.00
Transmission	0	13,000	NA	Central Interior	Kennebec	3.61	0.16	$0.00
Transmission	6	13,000	NA	Midcoast Region	Lincoln	3.61	0.3	$15,249.00
Transmission	0	13,000	NA	Midcoast Region	Sagadahoc	3.61	0.27	$0.00
Transmission	22	13,000	NA	Western Mountains	Somerset	3.61	0.04	$52,195.00
Merrill Road Converter	0	13,000	Lower Androscoggin River	Central Maine Embayment	Androscoggin	3.61	0.17	$0.00
Fickett Road Substation	0	13,000	Presumpscot River and Casco Bay	Casco Bay Coast	Cumberland	3.61	0.69	$0.00
Total No.	**72**						**Total In-Lieu Fee**	**$168,610.00**

1 Resource multiplier of 1
2 Adjustment of 5%

1-6: NECEC Proposed Criteria for USACOE Vernal Pools Values Determination for Compensation Plan Development- May 2018

New England Clean Energy Connect (NECEC)
Proposed Criteria for USACOE Vernal Pools Values Determination for Compensation Plan Development
May 2018

High Value

- Significant Vernal Pools (SVPs), as defined in Maine Natural Resource Protection Act (NRPA), Significant Vernal Pool definition according to Significant Wildlife Habitat Rules (Significant Wildlife Habitat 06-096 Chapter 335 Section 9) or Potentially Significant Vernal Pools (PSVPs) using these same criteria.
- Artificial pools which meet NRPA Significance criteria.
- Cluster/complexes of pools (pools whose depressions are within 1000 feet of one or more other surveyed vernal pools, and where there are no substantial travel barriers (i.e. streams or rivers greater than 25 feet wide; roads classified as principal arterials, minor arterials, and major/urban collectors)between pools.
- Pools with blue spotted salamander (at any life stage) or other state/federal listed rare, threatened or endangered (RTE) species, regardless of abundance.

Medium Value

- Natural or artificial pools whose indicator species abundance does not meet NRPA Significance criteria, but where 2 or more indicator species are present which approach abundance criteria (≥ 75% of NRPA abundance criteria), and/or where RTE species are present.

Low Value

- ATV/Skidder ruts/ABA/Spawning areas which do not meet NRPA significance criteria and which have low indicator species abundance and no RTE species.
- Pools having seasonal or temporary inlets/outlets with evidence of predatory fish.
- Pools whose 750 foot critical terrestrial habitat (CTH) is not comprised of at least 75% suitable forested conditions.

No compensation required (if surveyed feature meets any of these criteria)

- Presence of predatory fish with a permanent inlet/outlet.
- At least 75% forested cover type is retained in the CTH following construction and no fill occurs within the pool depression or 100-foot envelope.
- Where directional buffers are used to maintain a minimum of 75% of the CTH in a forested condition.
- Pools previously compensated for under another permit.
- ATV/Skidder ruts in active areas which experience repeated seasonal disturbance (e.g. club maintained or licensed ATV trail).
- Existing, ongoing human disturbance within the pool depression or within the 100 foot envelope (e.g. unauthorized fill, dumping, or existing polluted condition).

DRAFT

1-7: Position Paper on the Presence of Significant Vernal Pools in or Adjacent to Transmission Line Corridors, TRC Engineers, LLC, March 2009.

Position Paper on the Presence of Significant Vernal Pools in or Adjacent to Transmission Line Corridors in Maine

Prepared by:

TRC Engineers, LLC

Prepared for:

Central Maine Power Company

March 2009

Executive Summary

Central Maine Power Company (CMP), in support of its proposed Maine Power Reliability Program (MPRP), conducted extensive vernal pool mapping and assessment surveys along approximately 620 miles of CMP transmission corridor during the springs of 2007 and 2008. These surveys were performed in accordance with an agency-approved protocol and were consistent with the requirements and timeframes presented in the State of Maine Natural Resources Protection Act (NRPA) Chapter 335 – Significant Wildlife Habitat Rules. Central Maine Power documented 200 natural vernal pools and 689 anthropogenic pools within or adjacent to proposed MPRP transmission corridors. *Rana sylvatica*, *Ambystoma maculatum*, *Ambystoma laterale*, and *Eubranchipus sp*. or egg masses of these species were observed in these pools. Of the natural vernal pools, 88 (45 percent) qualified as significant vernal pools under Chapter 335. All of these significant vernal pools were located within, or adjacent to, transmission corridors that have been maintained in an early-successional shrub habitat for 40 years or more. In addition, 48 (56 percent) of these significant vernal pools' critical terrestrial habitat was 51 to 75 percent non-forested. In sum, fully 87.5 percent of the identified significant vernal pools had less than 75 percent forested habitat within their critical terrestrial habitat. Most of the non-forested land use within 250 feet of significant vernal pools was transmission corridor. Habitat conditions permeable to amphibian migration, including the presence of leaf litter, coarse woody debris, mammal burrows, dense herbaceous and shrub vegetation cover, were all observed in transmission corridors.

Based on the results of CMP's investigation, no measurable loss of vernal pool functions is apparent in and along electric utility transmission corridors; in fact, significant vernal pools remain abundant and highly productive in the typical scrub/shrub habitat found in most transmission line corridors, even after multiple decades. Data suggest the very different impacts from "hard" land uses (e.g., paved/commercial development) and "soft" land uses (e.g., transmission line maintenance). Given these results, design, location, and construction strategies should focus on maintaining existing vernal pool functions within transmission line corridors. In-lieu fee or preservation type compensatory mitigation strategies are more appropriate where significant natural resource impacts (i.e., functional loss) occurs, and are thus not appropriate in these situations. As an alternative to compensatory mitigation, research to further evaluate best management practices for vernal pool conservation along transmission corridors, may be appropriate.

1.0 INTRODUCTION

Central Maine Power Company (CMP) is currently proposing to bolster the long-term reliability of its bulk power electrical transmission system through a project known as the Maine Power Reliability Program (MPRP). As part of this process, CMP is proposing a number of transmission line and substation improvements to add reliability and redundancy to its aging 345 kilovolt (kV) and 115 kV transmission system. A component of this overall proposal is the consideration of potential impacts to various natural resources, including significant vernal pools. In order to document and evaluate the potential effects of the MPRP on significant vernal pools, CMP initiated an unprecedented effort in Maine during the springs of 2007 and 2008 to assess and map vernal pool resources within, and in the vicinity of, a number of existing transmission line corridors and substation sites. TRC Engineering (TRC) was hired to manage and perform this vernal pool resource assessment and mapping effort. In total, TRC surveyed over 620 miles of existing CMP transmission corridor and associated substation sites (both newly proposed substations and substation expansions) for the presence of vernal pool resources. CMP's vernal pool investigation resulted in one of the largest vernal pool datasets in the State of Maine. Figure 1 depicts the vernal pool survey area contrasted with the biophysical regions of Maine.

This position paper first identifies issues relevant to vernal pool conservation, regulation, and management along transmission corridors in Maine based on existing regulations and published best management practices. This is followed by a description of CMP's methods of vernal pool investigation, and a discussion of the results of CMP's investigation relative to existing knowledge of vernal pool ecology. In the final section of this paper, the findings of this vernal pool investigation are summarized, and recommendations are made regarding significant vernal pool management and regulation in transmission corridors.

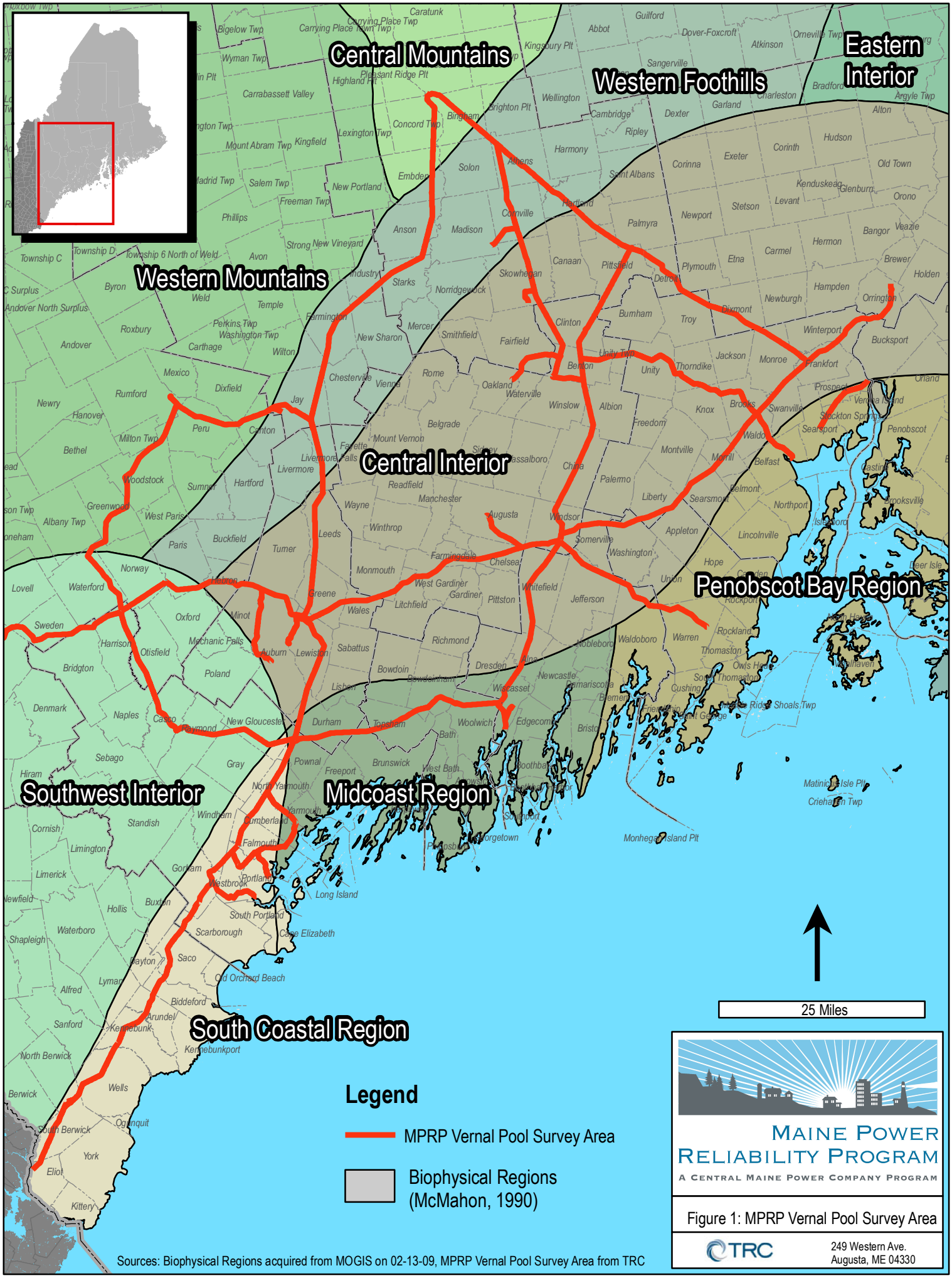


Figure 1: MPRP Vernal Pool Survey Area

2.0 ISSUE IDENTIFICATION

In the glaciated northeast, vernal pools are temporary to semi-permanent pools that are located in shallow depressions on the landscape, and that lack permanent hydrologic inlets or outlets and populations of predatory fish (Calhoun and deMaynadier, 2008). Vernal pools provide the primary breeding habitat for several amphibian species (DeGraff and Yamasaki, 2001), as well as other obligate vernal pool species. *Rana sylvatica* (wood frogs), *Ambystoma maculatum* (spotted salamanders), and *Ambystoma laterale* (blue spotted salamanders) spend most of their life cycles in upland or wetland habitats surrounding vernal pools, and migrate to vernal pools for a short part of the year during the spring breeding season (Semlitsch, 2000). Thus, although vernal pools are often small hydrologically isolated wetlands, they share a significant ecological connection to the surrounding landscape.

Regulatory protection is provided to certain vernal pools in Maine by the U.S. Army Corps of Engineers (USACE) under § 404 of the Clean Water Act (33 U.S.C. § 1344) and by the Maine Department of Environmental Protection (MDEP) under the Natural Resources Protection Act. Some municipalities in Maine also regulate impacts to vernal pools in their evaluation of proposed developments (e.g., Town of Falmouth, 2009). In recognition of the ecological connection between vernal pools and the adjacent landscape, federal and state regulations also exert jurisdiction over uplands and wetlands adjacent to vernal pools. Given that vernal pools occur broadly across the landscape in the glaciated northeast (Rheindhardt and Hollands, 2008), vernal pool regulations have significant implications for linear transmission corridor construction, because vernal pools are almost certain to be crossed by transmission corridors which span long distances across the landscape.

Projects reviewed by the USACE, pursuant to the Department of the Army Programmatic General Permit - State of Maine (MEPGP) are evaluated for project impacts within 500 feet of jurisdictional vernal pools. Larger projects being permitted by the USACE may also require review by the U.S. Fish and Wildlife Service (USFWS), which evaluates project impacts within 750 feet of vernal pools. Under NRPA, the MDEP exerts jurisdiction over “significant vernal pool habitat” as one type of regulated “significant wildlife habitat,” which includes significant vernal pools and land within 250 feet of significant vernal pool depressions. Vernal pools qualify as “significant” based on the presence of certain species known to utilize vernal pools for a critical part of their life phase, or by the abundance of egg masses deposited by certain amphibian species (06 096 C.M.R. Ch. 335 § 9(B)). The MDEP does not have jurisdiction over “non-significant” vernal pools. Both federal and state regulations require that applicants attempt to avoid and minimize impacts to these habitats to the greatest extent practicable, and, in some cases, to provide compensation.

Although not a regulatory requirement, some researchers/authors of current best development practices (guidance for avoiding and minimizing effects) for vernal pool

management recommend no impact to the vernal pool depression and minimal disturbance to the habitat within 100 feet of the pool, and maintenance of 75% of the habitat from 100 to 750 feet of the pool as contiguous forest with undisturbed ground cover (Calhoun and Klemens, 2002). These guidelines identify the habitat from 100 to 750 feet of the pool as the "critical terrestrial habitat" for pool breeding amphibians. Chapter 335 of MDEP's rules defines significant vernal pool habitat as a significant vernal pool depression and that portion of the critical terrestrial habitat within 250 feet of the high water mark of the pool depression.

Due to a lack of published research evaluating vernal pool conservation strategies, the vernal pool best development practices were developed based primarily on years of field observations regarding the effect of land development on pool breeding wildlife populations, (Calhoun and Klemens, 2002). Two recent case studies have demonstrated that residential and commercial development around vernal pools can cause precipitous declines or collapse of vernal pool breeding amphibians (Windmiller et al., 2008). The existing best development practices were based on the limited research regarding vernal pool conservation strategies that was available at the time of their publication, and they should be considered as provisional best-attempts that may need to be modified to meet local or site specific conservation needs (Windmiller and Calhoun, 2008). Despite the provisional nature of these guidelines, the current regulatory standards in the NRPA are predicated on the Calhoun and Klemens (2002) best development practices, and utilize a universal (i.e., "one size fits all") approach to vernal pool conservation, which may not be appropriate to all classes of land use, or optimal for vernal pool conservation and management.

It is also essential to recognize that the existing best development guidelines regarding conservation strategies for vernal pools are specific to three principal land use classes: residential, commercial, and forest management. The Calhoun and Klemens (2002) best development practice recommendations were designed specifically with respect to "hard" land uses (i.e., clearing, grubbing, grading and paving), including commercial and residential development that result in effectively irreversible and permanent habitat loss. More recent case studies evaluating the effect of land use on vernal pool populations also focus on residential and commercial development (Windmiller et al., 2008). However, "soft" land uses, such as forestry operations or transmission corridor construction, where alteration of habitat via removal of large trees (but not necessarily loss of all vegetation or habitat) occurs, warrants a different set of management guidelines. For example, habitat management guidelines for forestry operations have already been developed, and recommend leaving an undisturbed protection zone immediately adjacent to vernal pools, selected harvesting in a larger radius around vernal pools to maintain some shade and canopy cover, and maintaining uncompacted leaf litter and coarse woody debris on the forest floor (Calhoun and deMaynadier, 2004; deMaynadier and Houlahan, 2008). As with the best development guidelines for residential and commercial development, these habitat management guidelines for forestry operations are preliminary and further research is needed to confirm their effectiveness (deMaynadier and Houlahan, 2008). Very little research or published information exists on the effect of transmission corridor construction and maintenance on vernal pools in the glaciated northeast, and no best

development guidelines for transmission corridors relative to vernal pools have been published.

The lack of data regarding whether transmission corridor construction and maintenance adversely affects vernal pool populations is important to recognize, because the effect of transmission corridors on significant vernal pool habitats is markedly different than that of residential and commercial development, or even forestry operations. Transmission corridor construction through forested areas affects habitat principally via the conversion of forest to shrub and herbaceous cover types, and the presence of utility structures that have a minimal footprint. Paved surfaces, permanent roads, lawns, and buildings characteristic of hard forms of development are not necessary for transmission corridor construction and maintenance. Thus, the habitat and landscape conditions that are required to support significant vernal pools (such as shade, woody debris/organic litter, moisture, suitable non-breeding season habitat, and amphibian migration routes) are all maintained along transmission corridors.

Applying Maine's existing NRPA significant vernal pool regulatory and compensatory mitigation framework to transmission corridor construction does not appear to be justified based on the current and evolving knowledge of the effects of transmission line corridors on vernal pools and vernal pool conservation strategies. There is currently no published data documenting that transmission corridors cause a loss or degradation of vernal pool ecological functions.

As will be discussed below, recent scientific observations during CMP's 2007-08 vernal pool investigations indicate that many of the vernal pools occurring in or adjacent to transmission corridors were documented as significant vernal pools as described in Chapter 335. In the absence of previously published data on the occurrence of vernal pools in managed electric transmission corridors, these recent CMP data are particularly useful in evaluating the impact of long-established transmission line corridors on vernal pools.

3.0 METHOD OF INVESTIGATION

TRC completed vernal pool surveys along existing transmission corridors associated with the MPRP. Many of these corridors have been managed as electric transmission corridors for over 40 years. These surveys were located in the South Coastal, Midcoast, Penobscot Bay, Central Interior, Western Foothill, and Western Mountain biophysical regions of Maine (see Figure 1). The objectives of the vernal pool surveys were to identify potential vernal pools within the program area; to determine if the identified pools were being used by obligate pool species; to determine if any of the pools met the criteria for designation as significant vernal pool habitat in accordance with NRPA standards; and to determine U.S. Army Corps jurisdiction under Section 404 of the Clean Water Act.

Under NRPA regulatory standards (06 096 C.M.R. Ch. 335 § 9(B)) significant vernal pools are defined by either: (1) the abundance criteria, which requires surveying the number of amphibian egg masses belonging to certain species and the presence of fairy shrimp in any life stage; or (2) the rarity criteria, which looks to the documented use of a vernal pool by one or more state-listed threatened (T) or endangered (E) species that commonly require a vernal pool to complete a critical life stage. The specific egg mass abundance criteria that are necessary for a vernal pool to be considered significant include:

Species	Abundance Criteria
Blue spotted salamanders	Presence of 10 or more egg masses[1]
Spotted salamanders	Presence of 20 or more egg masses
Wood frogs	Presence of 40 or more egg masses

In Maine, state-listed threatened or endangered species known to use vernal pools for at least one critical life stage include the following:

Species	Listing	Life Stage(s)
Ringed Boghaunter (dragonfly)	Endangered	Egg laying, Larval Development, Larval Emergence
Spotted Turtle	Threatened	Foraging, Courtship, Mating
Blanding's Turtle	Endangered	Foraging, Hibernation
Ribbon Snake	Special Concern	Foraging
Wood Turtle	Special Concern	Foraging

Thus, field investigations focused on identification and tally of amphibian egg masses, identification of fairy shrimp, identification of threatened and endangered species, and wood frog chorusing surveys. Vernal pool and adjacent habitat characteristics were recorded. Evidence of anthropogenic alteration to the identified vernal pools was also

[1] An egg mass is defined as three or more individuals eggs clumped in a gelatinous matrix (06 096 C.M.R. Ch. 335 § 9(B)(4).)

documented. Pools that were created by anthropogenic activities, such as flooded ATV ruts surrounded by soils that were not flooded, were noted as "amphibian breeding areas" in order to distinguish them from non-significant natural vernal pools and significant natural vernal pools.

The timing of vernal pool surveys was also an important consideration. Vernal pool surveys were timed to coincide with the portion of the year when they are used by amphibians and invertebrates for breeding or aquatic phases of their lifecycle. Southern and coastal areas were surveyed first, followed by the western and northern portions of the study area. Egg mass surveys were conducted within the following regional timeframes suggested by the MDEP:

Geographic Region[2]	Wood Frogs	Spotted and Blue Spotted Salamanders
Northern Maine	May 1 – May 21	May 10 – May 31
Southern Maine	April 7 – April 21	April 20 – May 21

Field surveys were conducted by teams of two biologists experienced with evaluation of vernal pools of New England. Each team was responsible for documenting observations on a vernal pool data form that had previously been approved by Maine regulatory agencies. The field teams walked along study corridors to identify and assess new vernal pools, as well as to evaluate any potential vernal pools that had been previously identified from existing information. In general, each field team "meandered" within the study corridor to thoroughly assess the corridor and minimize the chances of any vernal pools (both in and outside of the study corridor) being missed.

To be consistent with NRPA protocol requirements and recommendations, amphibian egg mass surveys were conducted under appropriate field conditions and within the recommended daily timeframes for such survey efforts. To the extent possible, egg mass surveys were conducted during the day when the sun was out (typically between 9 am - 4 pm). Polarized sunglasses were generally used to minimize sun glare and to aid in the detection of egg masses. Two biologists conducted surveys beginning from separate ends of each pool and thoroughly searched the entire pool together, including the pool center, to ensure that all egg masses were counted. In order to reduce the possibility of errors or omissions in field observations, field biologist teams collaborated to observe, identify, and count egg masses. When agreement was reached regarding the number and types of egg masses that were present within an individual pool, the field team documented findings on the data form and took photographs. In order to prevent disturbance of breeding amphibians and egg masses, biologists entered and stayed within the pools only long enough to collect the necessary data for vernal pool evaluation, and were careful not to dislodge egg masses from attachment sites.

Wood frog chorusing surveys and fairy shrimp surveys were also completed concurrently with amphibian egg mass surveys. Chorusing wood frogs were noted and used to

[2] The northern Maine region is considered to be that part of the state north of a line extending from Fryeburg to Auburn to Skowhegan to Calais. The southern Maine region is the part of the state south of that same line (06 096 C.M.R. Ch. 335 § 9(B)(4)).

evaluate whether additional breeding activity could be anticipated within nearby pools and, hence, whether the pools should be revisited at a later date when breeding activity was completed for the season. Fairy shrimp were identified using dip nets, and direct visual observation of fairy shrimp within the water column. View tubes were also occasionally used. Biologists carefully searched sunny patches in the pool, as fairy shrimp often congregate in these areas.

A Geographic Information System (GIS) analysis of land use within the 250 foot critical terrestrial habitat of identified significant vernal pools was completed subsequent to field surveys. Based on aerial photo interpretation and the transmission right-of-way (ROW) boundary, land use was classified into forested and non-forested cover types occurring within and outside of the ROW boundary. Non-forested cover types included scrub-shrub transmission corridor, hayfields, croplands, and developed areas such as roads, houses, and lawns.

4.0 RESULTS AND DISCUSSION

Vernal pools were found to be abundant within and immediately adjacent to CMP's transmission corridors. CMP identified 88 significant vernal pools, 112 non-significant natural vernal pools, and 689 anthropogenically altered or created amphibian breeding areas (Table 1). Thus, of the vernal pools that were identified, 44 percent met the NRPA criteria for significant vernal pools. According to the Maine Department of Inland Fisheries and Wildlife (MDIF&W statement at a Maine Association of Wetland Scientists vernal pool workshop on February 6, 2009), that agency maintains a database of 230 natural vernal pools of which 63 (27 percent) are significant vernal pools. At a February 2009 professional workshop addressing vernal pool protection and management in Maine, agency officials stated that approximately 40 to 50 percent of the natural vernal pools on the landscape were expected to meet the Chapter 335 Significant Wildlife Habitat Rules vernal pool significance criteria. The occurrence of significant natural vernal pools along the transmission corridors surveyed as part of the MPRP (44 percent) falls in the middle of that 40 to 50 range and compares well with regulatory expectations. In addition, the occurrence ratio of significant vernal pools to all natural vernal pools within and along CMP's transmission corridors (88/200 = 44 percent) is higher than that of the existing MDIF&W vernal pool database (63/230 = 27 percent)

Spotted salamanders, blue spotted salamanders, and wood frogs were among the identified amphibians or amphibian egg masses. Fairy shrimp were also identified in a very limited number of pools. Other than the occurrence of fairy shrimp, no threatened or endangered species were observed within 250 feet of any vernal pools. This dataset is one of the largest vernal pool databases within the State of Maine.

The 689 identified amphibian breeding areas were comprised of pools created by human activities, but that were used by obligate pool breeding amphibians. Amphibian breeding areas were primarily all terrain vehicle (ATV) ruts located in wetlands or uplands, but other types of amphibian breeding areas such as farm ponds were also documented. Vernal pools created by human activities can often serve as ecological traps with insufficient hydroperiods, but some anthropogenic pools may have adequate hydroperiods for breeding success (DiMauro and Hunter, 2002). The ecological function of anthropogenically created amphibian breeding areas along transmission corridors is probably variable, and at this time their suitability as viable vernal pool habitat is unproven.

Table 1 Summary of Vernal Pools Identified Along the MPRP Survey Corridor

Approximate Survey Mileage	Significant Natural Vernal Pools	Non-Significant Natural Vernal Pools	Anthropogenically Altered/Created Amphibian Breeding Areas
620	88	112	689

Among the 88 pools that qualify as significant vernal pools under NRPA standards, 77 have non-forested cover types exceeding 25 percent of their critical terrestrial habitat (within 250 feet of the pool) (Table 2). The average non-forested coverage within 250 feet of significant vernal pools was 44 percent, with a range of 14 to 86 percent non-forested coverage (Table 3). Of these significant vernal pools, 50 currently have 26 to 50 percent non-forested cover types within 250 feet of the pool (Table 2), and 26 have 51 to 75 percent non-forested cover types. Land use within 250 feet of significant vernal pools included utility corridor, forest, agricultural land, and "hard" land uses such as roads, parking lots, houses/subdivisions, and lawns. Existing transmission corridors accounted for the vast majority of non-forested cover types within 250 feet of significant vernal pools. Of note, 87.5 percent of significant vernal pools within the surveyed corridors contained less than 25 percent forested cover types within their critical terrestrial habitat (within 250 feet of the pool depression).

The transmission corridors that the pools are located within or along have been in existence and managed as non-forested, early-successional habitat for nearly half a century or more (Table 2). These data suggest that conversion of forest cover types to utility corridor can support and maintain viable and healthy populations of vernal pool breeding amphibians, even after time periods spanning multiple amphibian generations. However, despite what appears to be robust populations of pool breeding amphibians and abundant pool breeding habitat along transmission corridors in Maine, NRPA standards suggest that existing transmission corridors that have existed for multiple decades may need to be counted toward the 25% non-forested habitat threshold beyond which mitigation is required.

Table 2: Significant Vernal Pool Buffer Habitat Characteristics Along the Survey Corridor

Total Number of Significant Vernal Pools	Approximate Age Range of Existing Utility Corridor (years)	Existing Non-Forested Habitat Cover Within 250 Feet of Significant Vernal Pools							
		< 25%		26-50%		51-75%		76% - 100%	
		n	%	n	%	n	%	n	%
88	40 to 60 plus	11	12.5	50	56.8	26	29.5	1	1

The documented abundance of significant vernal pools and associated wildlife occurrences within the surveyed CMP corridors suggests that the habitat conditions necessary to supporting vernal pool populations are maintained along transmission corridors. This is despite the removal of trees that are required to construct and maintain transmission line corridors in a safe and reliable condition. Among these habitat conditions are sufficient pool hydroperiods (Skidds and Golet, 2005), organic carbon inputs to vernal pool depressions via leaf litter and herbaceous vegetation, landscapes that are permeable to amphibian migration (Calhoun and Klemens, 2002), and suitable non-breeding season habitat (Semlitsch, 2000).

Table 3: Non-Forested Habitat Cover Within 250 Feet of Significant Vernal Pools

Number of Pools	Mean	Range
88	44%	14% to 86%

Hydroperiod, an essential element of amphibian breeding success, requires that suitable breeding habitat containing vernal pools must hold water long enough for amphibian larvae to complete their aquatic life phase (Skidds and Golet, 2005). Soil disturbance, harvest road construction, and tree removal are three activities that have been noted as having the potential to affect pool hydroperiod in managed forests (deMaynadier and Houlahan, 2008). While tree removal activities occur during transmission corridor construction, there are significant differences in their implementation relative to forestry operations. The primary differences and similarities between transmission line corridor establishment and forestry operations are summarized below.

During transmission corridor construction, soil disturbance is minimized by the use of erosion and sediment control measures, routine environmental inspections by utility representatives and consultants, third party environmental inspections, and the use of construction mats in wet areas to prevent soil rutting and compaction. Conversely, these practices are generally neither followed nor required in forest management operations. Permanent harvest roads that can alter local surface drainage patterns are common on managed woodlands. Permanent harvest roads are not constructed within transmission corridors. In addition, on transmission corridor projects, initial tree removal is completed in a relatively rapid, one-time effort. In contrast, soils in managed woodlands are often disturbed by the repeated passage of heavy equipment over time, during one or more forest harvests.

Furthermore, forest harvesting has not been proven to produce long-term effects on seasonal forest pool hydroperiod based on chronosequence investigations (Batzer et al., 2000; Palik et al., 2001). Higher groundwater tables have been documented following harvesting (Sun et al., 2000), suggesting that tree removal will not shorten pool hydroperiod. Other work has revealed only subtle effects on local water tables outside of the immediate post-harvest time period (Bliss and Comerford, 2002). These findings suggest that tree removal related to transmission corridor construction will not have any significant long-term effect on vernal pool hydroperiods.

That vernal pools and evidence of pool breeding wildlife populations were common along existing transmission corridors during 2007 and 2008 vernal pool assessment surveys demonstrates that the hydroperiod of many transmission corridor vernal pools is sufficient for pool breeding amphibians to complete their aquatic life phase. In the glaciated northeast, factors such as surficial geologic setting, landscape position, geomorphic setting, and catchment size may very well be more relevant to vernal pool hydroperiod within transmission corridors than tree removal and other activities related to transmission corridor construction.

Importation of leaves, woody debris, and other organic matter to vernal pool basins by wind, flowing water, or other means provides a source of organic carbon to vernal pool habitats. Such carbon sources may be important to supporting a pool's food web (Battle and Golladay, 2001). These organic matter inputs are derived from vegetation that grows within vernal pools and/or in adjacent uplands and wetlands. Transmission corridors are

maintained to support a completely vegetated shrub cover type. Common plants that were observed within Maine transmission corridor uplands during field surveys include *Juniperus communalis* (common juniper), *Spirea latifolia* (meadowsweet), *Rhus typhina* (staghorn sumac), graminoids, several herbaceous species, and hardwood saplings. In wetlands and vernal pools within transmission corridors *Ilex verticillata* (winterberry), *Alnus rugosa* (speckled alder), *Spirea tomentosa* (steeplebush), meadowsweet, *Onoclea sensibilis* (sensitive fern), *Osmunda cinnamomea* (cinnamon fern), and *Scirpus cyperinus* (wool grass) were commonly observed during field surveys. Most vernal pools along the transmission corridor contained significant amounts of organic detritus, which was apparently derived from vegetation within and/or adjacent to the transmission corridor. In addition to providing a source of organic carbon to support secondary production within vernal pools, these plants or their fallen woody branches parts were utilized as amphibian egg mass attachment sites. Subsequent to leaf out, shrub species provide a source of pool shade, as do taller trees adjacent to transmission line corridors.

In order to complete their life cycles and sustain local populations, pool breeding amphibians must be able to successfully migrate across the landscape to suitable non-breeding season habitat (Semlitsch and Skelly, 2008). According to literature, forested settings are the natural and preferred habitat for ambystomatid salamanders and wood frogs (DeGraff and Yamasaki, 2001); however, pool breeding amphibians are known to travel across other non-forested cover types. For example, in one Rhode Island study of golf course fairways, non-forested areas were not a dispersal barrier to spotted salamanders travelling to adjacent forested areas (Montieth and Paton, 2006). The presence of uncompacted leaf litter, coarse woody debris, and shade are important habitat characteristics for pool breeding amphibians (deMaynadier and Hunter, 1995). Areas with high densities of small mammal burrows and cool microclimates have also been found to be preferred by spotted salamanders (Montieth and Paton, 2006).

During field surveys, leaf litter, coarse woody debris, and mammal burrows were all observed within the early-successional cover type of Maine electricity transmission corridors. Shrubs observed in transmission corridors provide shade and organic debris. In addition, many vernal pools within Maine's transmission corridors were found within larger wetland complexes dominated by the scrub-shrub and emergent vegetation cover types. Many of these wetlands spanned the entire transmission corridor, thereby providing a moist environment for amphibians to migrate through as they travel between their breeding pool and adjacent habitat. This demonstrates that transmission corridors are 'permeable' to amphibian migration and movement. This is in contrast to many forms of hard land uses where pavement and construction destroys, removes, or permanently covers burrows, leaf litter, and woody debris, and also introduces the threat of vehicular mortality.

Suitable non-breeding season habitat is also essential for maintaining populations of amphibians that breed in vernal pools. Mean travel distances for spotted salamanders and wood frogs have been calculated at 390 feet and 633 feet, respectively, while maximum travel distances were measured to be 817 feet and 1,549 feet, respectively (numerous studies in Semlitsch and Skelly, 2008).

Transmission corridors surveyed for the MPRP were usually less than a few hundred feet wide; many were less than 150 feet and were adjacent to forested habitat. Therefore, non-breeding season forested habitats adjacent to transmission corridors are well within documented migration distances for pool breeding amphibians. In addition, in Pennsylvania transmission corridors maintained in an early-successional habitat condition were found to provide sufficiently moist microenvironments for salamanders including *Ambystoma jeffersonianum* (Jefferson salamander), *Plethodon cinereus* (red back salamander), and spotted salamander (Yahner et al., 2001). Therefore, it is also plausible that in Maine, the transmission corridor itself may be used as habitat, provided that sufficient leaf litter, burrows, and coarse woody debris, moisture, and shade are present.

5.0 SUMMARY AND RECOMMENDATIONS

In the glaciated northeast, vernal pools have become a focal issue in conservation and land use planning. Regulation of certain vernal pools in Maine has significant implications on the design and permitting of electric transmission corridors and vernal pool management. While existing recommended best development practices for vernal pool conservation are provisional, and were developed to address typically "hard" residential and commercial development, NRPA vernal pool regulations appear to have been developed around these preliminary guidelines and are being applied to a much broader class of land uses (e.g., "soft" land uses including electric transmission line corridors). The most recent literature, however, emphasizes the need for site-specific planning and flexibility for meeting vernal pool conservation needs. Thus, CMP sought to identify vernal pools in its existing transmission corridors and evaluate the implications of the existing regulatory framework on transmission corridor design, permitting, and maintenance. In completing this effort, CMP compiled what is likely one of the largest vernal pool databases in Maine. This new dataset adds to our understanding of vernal pool resources in Maine.

CMP's investigation demonstrates that vernal pools are ubiquitous in transmission corridors located within its service territory. Even after many decades of being managed as early-successional habitat, anthropogenic, natural, and significant vernal pools were found to be common in these corridors. The vast majority (87.5%) of the identified significant vernal pools that would be subject to NRPA jurisdiction currently have vernal pool critical terrestrial habitat that is less than 75 percent forested within 250 feet of the pool; in other words, more than 25 percent of the existing non-forested critical terrestrial habitat around these identified significant vernal pools is managed as early-successional habitat. Field observations of vegetation cover, leaf litter, and coarse woody debris suggest that transmission corridors support habitats that are permeable to the migration of vernal pool breeding amphibians to and from adjacent forests, and that transmission corridors themselves may be utilized as non-breeding season amphibian habitat. The observed abundance of natural and significant vernal pools that were utilized as breeding habitat by obligate vernal pool breeding species suggests that vernal pools in and along transmission corridors are able to function without loss or significant degradation of their ecological function.

These findings are significant relative to vernal pool management as it pertains to electric transmission corridor construction and maintenance. Data on significant vernal pools within and/or along CMP corridors, existing literature, and regulatory guidelines and requirements all demonstrate that significant vernal pools and transmission corridors (as currently constructed and maintained) are compatible. This is further emphasized by the following summary points:

- Extensive data collected by CMP show that significant vernal pools occur in transmission line corridors within the expected frequency range, and at a greater rate than shown in MDIF&W's existing database. Specifically, 45 percent of the

natural vernal pools assessed along CMP transmission corridors were significant. This falls in the middle of the agency-expected range of 40 to 50 percent of all pools assessed being significant;

- The average percentage of non-forested habitat within 250 feet of these significant vernal pools was 44 percent;

- Only 12.5 percent of these significant vernal pools had greater than 75 percent forest habitat coverage with their 250 foot buffers;

- Constructing and maintaining transmission line corridors does not negatively affect vernal pool hydroperiod;

- The early-successional (shrub and herbaceous vegetation) habitat associated with transmission line corridors appears to be permeable to amphibian migration and is capable of sustaining highly productive amphibian breeding habitat;

- The life span of the spotted salamander averages 15 to 20 years. Some of these corridors have been in existence for 40 or more years, a time period which spans multiple generations of spotted salamander. Given that the literature suggests that mole salamanders have high pool spawning fidelity (i.e., over 90 percent of the time they return to spawn in the pools from which they hatched and emerged), the data strongly suggests that several generations of spotted salamanders have successfully reproduced in these vernal pools. In addition, their offspring continue to breed in these pools;

- There is no literature demonstrating adverse impacts from transmission line corridors on vernal pools;

- Current regulations are based on studies that focused on "hard" developments, which are very dissimilar to the vegetated conditions present within transmission line corridors; and

- The current management of vernal pools in transmission line corridors is consistent with some of the significant vernal pool habitat management guidelines and goals presented in Chapter 335 and Calhoun and Klemens (2002). These guidelines and how there are wholly or partially met are as follows:
    - *(1) No disturbance within the vernal pool depression.* CMP and other electric utility companies expend a great amount of effort to ensure that vernal pool depressions are not disturbed during construction and maintenance activities. These efforts include (1) providing environmental oversight during the project design phase to ensure that, whenever possible, pole structures are not placed in vernal pools; (2) implementing and maintaining erosion and sediment controls that help prevent siltation of pools; (3) marking vernal pool depression with flagging tape prior to construction; and (4) performing environmental inspections during

construction to ensure that pools are not traversed by vehicles and construction equipment;

- *(2) Maintain a minimum of 75% of the critical terrestrial habitat as unfragmented forest with at least a partly-closed canopy of overstory trees to provide shade, deep litter and woody debris.* Although transmission line corridors cannot be maintained as forest for reliability and safety reasons (in other words, it is not "practicable"), they are maintained as early-successional habitat composed of shrubs and herbaceous plants. This habitat type provides some level of shading, significant litter accumulation (carbon input) from leaf drop and the die-back of herbaceous vegetation, and woody debris;
- *(3) Maintain or restore forest corridors connecting wetlands and significant vernal pools.* Within transmission line corridors, amphibian travel corridors composed of shrubs and thick growth of herbaceous vegetation are often present. Also, the CMP data indicate that transmission line corridors and their early-successional habitat are permeable to amphibian migration. This meets the needs for maintaining forested travel corridors, which are often required in the vicinity of "hard" development;
- *(4) Minimize forest floor disturbance.* With the exception of pole structure locations, transmission line corridors are not grubbed. Rather, trees are cut at ground level and root systems are left in the ground. In addition, mitigation techniques including winter construction and the use of equipment mats are utilized during construction to minimize ground disturbance such as rutting. By virtue of how transmission line corridors are constructed and maintained, ground disturbance is minimized;
- *(5) Maintain native understory vegetation and downed woody debris.* Transmission line corridors are constructed and maintained to encourage the growth of understory vegetation including shrubs and herbaceous plants. Also, downed woody debris from shrubs occurs naturally and is very common in transmission line corridors.

All of this information indicates that transmission line corridors, as they are currently constructed and maintained in Maine, do not cause a loss of the important ecological functions associated with significant vernal pools in Maine.

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1-8: Vernal Pool Occurrence and Species Distribution within Electrical Transmission Rights-of-Ways in Maine, TRC Environmental, April 2011.

Vernal Pool Occurrence and Species Distribution within Electrical Transmission Right-of-Ways in Maine

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Due to the nature of long distance bulk energy transmission, transmission corridors (or right-of-ways (ROWs)) occur in virtually every landscape position and habitat type across the country. ROWs are managed to sustain non-forested vegetation and can be several hundred feet in width and up to several hundred miles in length. Accordingly, they traverse regulated areas such as wetlands and vernal pool habitats throughout the glaciated northeast. Vernal pools and adjacent habitat areas are regulated by both state and federal agencies, each of which having unique criteria for determining thresholds of jurisdiction. A key aspect to "classically-defined" northeast vernal pool ecology and their regulatory definition is the presence of forested uplands around the pools that provide non-breeding adult-stage habitat for primary vernal pool species such as Ambystomid salamanders and wood frogs (*Rana sylvatica*). Therefore, the management of ROWs to allow only non-forested vegetation in and around vernal pools in the ROW presents a potential conflict for sustaining essential vernal pool habitat conditions. The major question that arises from this potential management conflict is whether and to what extent vernal pools are affected by ROWs in overall occurrence, types of species supported, and the potential populations of organisms based partially on the density of yearly egg masses. Due to the individual permitting requirements associated with several large and geographically diverse ROW maintenance and expansion projects in Maine, an evaluation of a large number of vernal pools occurring in and near ROWs was undertaken to evaluate vernal pool occurrence and species distribution within ROWs. It is worth noting that a large number of the ROWs surveyed have been maintained as non-forested corridors for 40 years or more.

Vernal pool habitats occurring within two large ROW maintenance and expansion projects in Maine were identified and evaluated over multiple breeding seasons. The methodology for field data collection was established based on regulatory criteria, and was similar between the projects. Field parameters included amphibian egg mass counts with species identification as well as other key characteristics cited in scientific literature and regulatory definitions. Surveys were scheduled to observe potential pools during and immediately following the period of active ovipositioning, and in most cases pools were observed twice during the breeding season to view the occurrence of different species that produce egg masses in earlier and later portions of the season. It was also noted if pools were entirely or partially within, or adjacent to the maintained ROW corridor by "percent within the ROW" along this continuum. For purposes of this analysis, pools that occurred within at least 75% within the ROW were considered to be fully "ROW" pools. Categories of pools that were 25 to 75% in the ROW were considered transitional and the balance of the observed pools were considered non-ROW pools. Portions of the projects

involving proposed, undeveloped ROW corridors and potential mitigation sites afforded the opportunity to conduct the same surveys to observe and compare pools within undeveloped areas.

Results for all the surveys were tallied and analyzed for 1,834 vernal pools, all of which contained either wood frog or spotted salamander egg masses, or both. Vernal pool occurrence observations indicate that 55.3% of the total pools observed were considered ROW pools and 23.5% of the pools were found in a non-ROW setting. The remaining 21.2% of the pools were in transitional areas. A total of 1,175 identified pools contained wood frog egg masses. Among these pools, 66.7% occurred in the ROW, 23.7% occurred in transition areas and 9.5% in non-ROW areas. A total of 1,301 identified pools contained spotted salamanders. Among these pools 49.5% occurred in the ROW, 19.9% occurred in transitional areas, and 30.6% occurred in non-ROW areas.

In order to determine the relative "productivity" of each pool in terms of the number of egg masses that were present at the point of seasonally highest occurrence, the number of egg masses occurring per pool for each species was categorized into groups of 1 to 9, 10 to 19, 20 to 39 and 40 or greater egg masses. In this way, it is easier to see which pools could meet the Maine Department of Environmental Protection (MDEP) definition for a Significant Vernal Pool (SVP) (see below). For wood frogs, pools in the ROW (i.e., as above, with 75% of pool occurring in ROW) containing 1 to 9 egg masses comprised 63.7% of the total pools, and 21% of the pools contained 20 or more egg masses (9.3% with 40 or more egg masses). For pools outside of the ROW, pools containing 1 to 9 wood frog egg masses comprised 92.1% of the total pools, and 4.4% of the pools contained 20 or more egg masses (2.6% with 40 or more egg masses). For spotted salamanders, pools in the ROW containing 1 to 9 egg masses comprised 79.5% of the total pools, and 9.1% of the pools contained 20 or more egg masses (3.1% with 40 or more egg masses). For pools outside of the ROW, pools containing 1 to 9 egg masses comprised 62.2% of the total pools, and 26.2% of the pools contained 20 or more egg masses (10.2% with 40 or more egg masses).

This large sampling of data provides the opportunity for several observations. First, while the vernal pool observations concentrated on ROWs and their immediate environs versus a broader study that would compare undeveloped land to ROW, vernal pools containing spotted salamanders and wood frogs egg masses occur half and two-thirds of the time, respectively, directly within ROWs relative to transitional or non-ROW settings. Second, for wood frogs, pools that occur directly within the ROW have a higher egg mass count and distribution per pool (36.3% with 10 or more egg masses) as compared with pools in non-ROW settings (7.9% with 10 or more egg masses). This trend is somewhat reversed for spotted salamanders, though not as pronounced. This suggests that the increased amount of sunlight in an open ROW area compared to an area of dense forested canopy, encouraged wood frog breeding, whereas the spotted salamander prefers deeper depressions with slightly longer hydroperiods typically receiving less direct sunlight.

When looking at pools potentially regulated by the Maine Department of Environmental Protection (MDEP), pools were broken down similarly, as above, with bins (percentage categories) including pools in ranges of ROW occupancy ranging from 0-25%, 26-50%, 51-75%,

and 76-100%. Pools with a 100% rating were found to be completely in a woodland setting, conversely pools with a 0% rating were found to be completely in the non-forested ROW. Due to the majority of the project area being located within existing ROW areas, the data summaries indicate that 67% of the pools surveyed on this project were located nearly entirely within the ROW. Eight percent of the pools within the ROW (0-25% forested) were found to have over 40 wood frog egg masses and therefore potentially regulated by the MDEP. Comparatively, 12% were found to have the same abundance in non-ROW (76-100% forested) settings. For spotted salamanders, a 20 egg mass threshold was used to coincide with MDEP regulations. In the ROW setting, 6% of the pools met MDEP *abundance* criteria, while in the non-ROW setting 20% met the criteria.

These findings are congruent with the results found above as that wood frogs do not show a strong preference between pools with a forested canopy and pools within a maintained ROW setting and therefore demonstrate that maintained ROW vegetation does not seem to be a deterrent in the usage of pools in these areas for breeding. Spotted Salamanders are shown to have a higher abundance within a forested setting as opposed to a maintained ROW and similarly have more pools with the potential to be regulated by the MDEP. This may be explained, as discussed above, by a preference for deeper pools with a more forested canopy.

Continued studies of vernal pools within ROWs and adjacent habitats, including adult population analyses, will help to provide further information about the ecology and viability of vernal pools within non- and semi-forested environments.

1-9: NECEC Potential Compensation Tracts-
Natural Resource Survey Results

August 13, 2018

CENTRAL MAINE POWER COMPANY

NECEC Potential Compensation Tracts

Natural Resources Survey Results

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NECEC Compensation Tracts Natural Resources Survey Results

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ACRONYMS AND ABBREVIATIONS

COMPENSATION TRACT	ABBREVIATION	TOWN/TOWNSHIP (Twp)
Little Jimmie Pond-Harwood Tract	LJPT	Manchester
Flagstaff Lake Tract	FLT	Flagstaff & Dead River Twps
Pooler Ponds Tract	PPT	The Forks Plantation Twp
Grand Falls Tract	GFT	Spring Lake Twp
Lower Enchanted Tract	LET	Lower Enchanted Twp
Basin Tract	BT	Pierce Pond Twp

ACRONYM / ABBREVIATION	TERM
ABA	Amphibian Breeding Area
AT	Appalachian Trail
BMPs	Best Management Practices
BCC	Bird of Conservation Concern
BWH	Beginning with Habitat
CFR	Code of Federal Regulations
CMP	Central Maine Power Company
CVP	Corps Vernal Pool
CWA	Clean Water Act
DWA	Deer Wintering Area
ESA	Endangered Species Act
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Map
GIS	geographic information system
GPS	Global Positioning System
HVDC	high voltage direct current
I-95	Interstate 95
ILF	In Lieu Fee
IPaC	Information for Planning and Consultation
IWWH	Inland Waterfowl and Wading Bird Habitat
KLT	Kennebec Land Trust
kV	kilovolt
L	Lacustrine
MLUPC	Maine Land Use Planning Commission
MBPL	Maine Bureau of Parks and Land
MCHT	Maine Coast Heritage Trust
MDEP	Maine Department of Environmental Protection
MDIFW	Maine Department of Inland Fisheries and Wildlife
MDMR	Maine Department of Marine Resources
MEGIS	Maine Office of Geographic Information Systems
MGS	Maine Geological Survey

ACRONYM / ABBREVIATION	TERM
MHT	Maine Huts and Trails
MNAP	Maine Natural Areas Program
M.R.S.	Maine Revised Statutes
MW	megawatt
NECEC	New England Clean Energy Connect Project
NED	*New England District*
NHD	National Hydrography Dataset
NRCS	Natural Resources Conservation Service
NRPA	Natural Resources Protection Act
NWPL	National Wetland Plant List
NWI	National Wetlands Inventory
OM	Organic Matter
PEM	Palustrine Emergent
PFO	Palustrine Forested
POW	Palustrine Open Water
Project	New England Clean Energy Connect Project
PSS	Palustrine Scrub-Shrub
PSVP	Potential Significant Vernal Pool
PUB	Palustrine Unconsolidated Bottom
PVP	Potential Vernal Pool
R	Riverine
RTE	Rare, threatened or endangered
SC	Special Concern
SLODA	Site Location of Development Act/Site Law
SVP	Significant Vernal Pool
T&E	Threatened and Endangered
TNC	The Nature Conservancy
Twp	Township
USACE	United States Army Corps of Engineers
U.S.C.	United States Code
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
VP	Vernal Pool
WMA	Wildlife Management Area
WOSS	Wetlands of Special Significance
WOTUS	Waters of the United States
WQLL	water quality limiting lake

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1.0 NECEC COMPENSATION TRACTS NATURAL RESOURCE SURVEYS

1.1 Introduction

Central Maine Power Company (CMP) proposes to construct the New England Clean Energy Connect Project (NECEC Project or the Project), a high voltage direct current (HVDC) transmission line and related facilities capable of delivering up to 1,200 megawatts (MW) of electric generation from the Canadian border to the New England Control Area in response to the Request for Proposals for Long-Term Contracts for Clean Energy Projects dated March 31, 2017 and issued by the Massachusetts Department of Energy Resources and the Electric Distribution Companies of Massachusetts.

The proposed NECEC Project is composed of the following components displayed on Figure 1:

- Segments 1, 2, and 3 – HVDC Components and Associated Upgrades
- Segment 4 – 345 kilovolt (kV) STATCOM Substation and 115 kV Rebuilds
- Segment 5 – New 345 kV Transmission Line and Associated Rebuilds

On September 27, 2017 CMP submitted to the Maine Department of Environmental Protection (MDEP) permit applications for the NECEC Project under the provisions of the Site Location of Development Act (SLODA) and the Natural Resources Protection Act (NRPA). On the same date, a related permit application was submitted under the provisions of Section 404 of the Clean Water Act (CWA) to the United States Army Corps of Engineers (USACE). A more detailed description and discussion of the Project can be found in these permit applications.

Section 13, Compensatory Mitigation, of the NRPA application describes in detail the extent of wetland-related impacts that are anticipated to be necessary for construction of the approximately 146.5-mile NECEC Project. These impacts are summarized in Table 1.1 (Table 13-1 of NRPA application) and the majority are temporary or secondary in nature. Several additional forms of impact have also been added below to the original table in response to subsequent discussion and input from regulatory agencies. Permanent, direct impacts to protected natural resources have been minimized to the extent practicable through the Project design process. Direct impacts are associated with permanent fill as opposed to indirect impacts such as vegetation clearing.

TABLE 1-1 SUMMARY OF RESOURCE IMPACTS

RESOURCE IMPACT	ACRES OF IMPACT
Temporary Wetland Fill	47.21 acres
Permanent cover type conversion of Forested Wetlands (Includes wetland cover type conversion within Significant Vernal Pool Habitat (SVPH) and Inland Waterfowl and Wading Bird Habitat (IWWH)	149.07 acres
Permanent upland cover type conversion of IWWH	13.31 acres
Permanent upland cover type conversion of SVPH	31.31 acres
Permanent Fill in Wetlands of Special Significance (WOSS) (Includes fill within SVPH and IWWH)	0.85 acre
Permanent Fill in Wetland (Non-WOSS)	4.47 acres
Permanent upland fill in IWWH	0.01 acre
Permanent upland fill in SVP Habitat	0.74 acre
Direct and indirect impact to USACE Jurisdictional Vernal Pools	4.7 acres in depression or within 100 ft Value: 56 high, 122 medium, 72 low

1.1.1 Wetland Compensation

When in excess of specific permanent impact thresholds, that can be as little as 15,000 square feet (0.34 acre), compensatory mitigation is typically required by the MDEP under the provisions of the NRPA and associated Wetlands and Waterbodies Protection Rules (Chapter 310) to offset loss of functions and values provided by wetlands. The USACE and United States Environmental Protection Agency (USEPA) have established similar rules for "Compensatory Mitigation for Losses of Aquatic Resources" (40 Code of Federal Regulations [CFR] Part 230) as a means of addressing the federal "*No Net Loss*" policy related to Section 404 of the CWA. In addition, *New England District* (NED) *Compensatory Mitigation Guidance* (September 7, 2016) developed by the USACE (hereafter "NED Guidance") is also relevant and provides additional clarification of compensation objectives and requirements in Maine.

Types of wetland compensation recognized by the NRPA (Ch 310 §5(C) (4)) include:

- Restoration of previously degraded wetlands.
- Enhancement of existing wetlands.
- Creation of wetland from upland.
- Preservation of existing wetlands or adjacent uplands where the site to be preserved provides significant wetland functions.

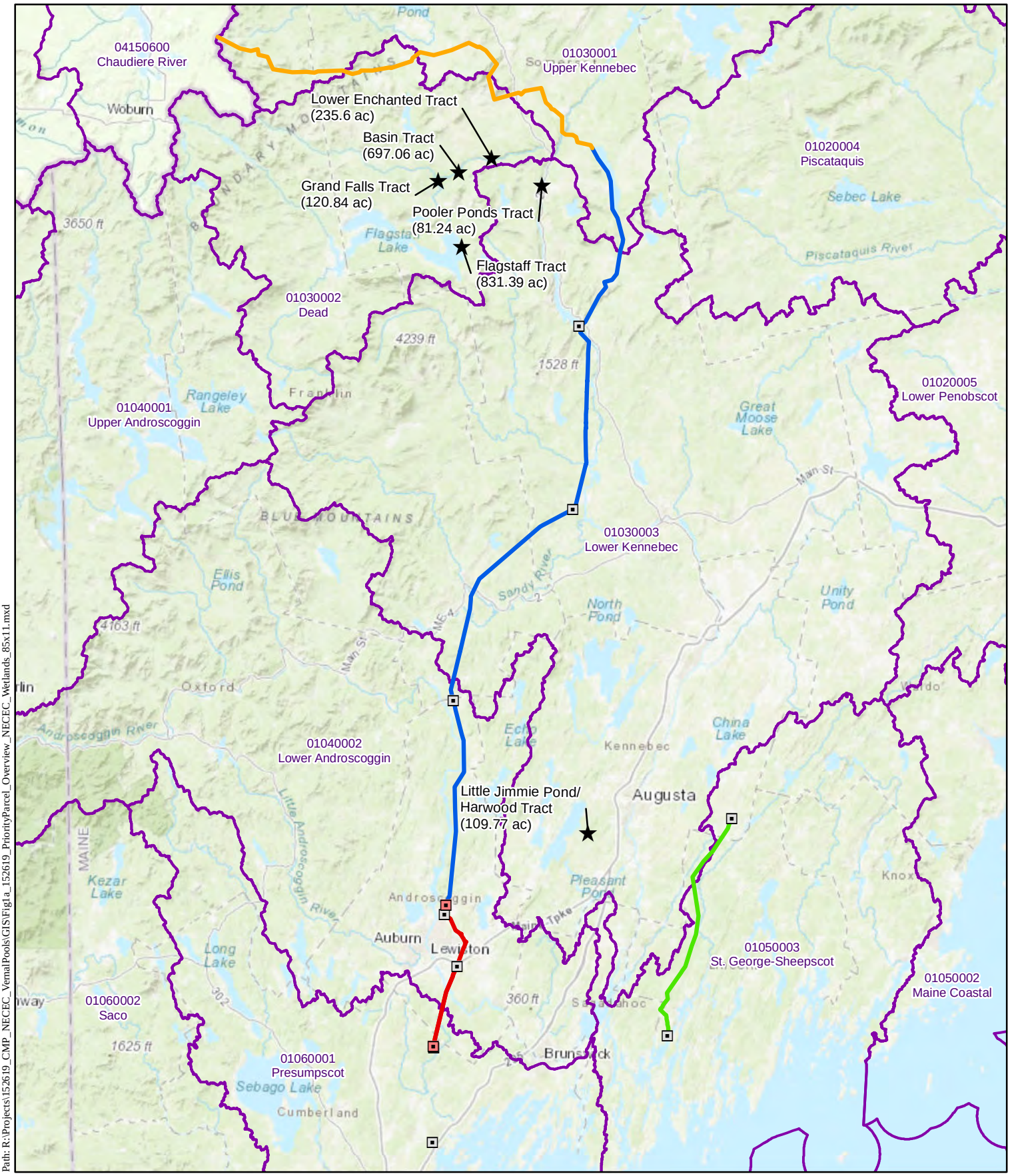
Similar forms of compensation are recognized by NED Guidance, however "Enhancement" is referred to as "Rehabilitation."

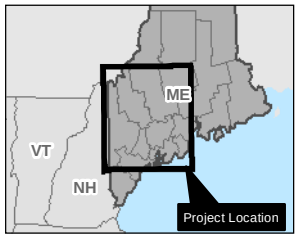
In addition to the above types of "permittee responsible mitigation," another form of compensatory mitigation recognized in Maine by the MDEP, USACE, USEPA, and other federal resource agencies is In Lieu Fee (ILF), where a compensation fee, based on area (square feet) of impact and other variables, is paid into a fund dedicated for implementation of wetland compensation (38 Maine Revised Statutes [M.R.S.] § 480(Z)).

Presented in this document are the results of field surveys augmented by a detailed assemblage of published maps and other information conducted to support the following tracts to be considered for use as Compensatory Mitigation for the NECEC Project:

- Little Jimmie Pond-Harwood Tract (LJPT)
- Flagstaff Lake Tract (FLT)
- Pooler Ponds Tract (PPT)
- Grand Falls Tract (GFT)
- Lower Enchanted Tract (LET)
- Basin Tract (BT)

The locations of the six Compensation Tracts, ranging in size from 81.24 to 831.39 acres, for an aggregate area of 2,075.90 acres, are also displayed on Figure 1.1.





Compensation Tract
Existing Substation
Proposed Substation
HVDC (New ROW)
HVDC (Existing ROW)
Rebuild Section
New 345 kV Line
HUC 8 Watershed Boundary

N
W E
S

1 in = 14 miles

0 7 14
Miles

Figure 1a
Compensation Tract Location
Watershed Boundaries

Kennebec and Somerset Counties
Maine

Date:8/13/2018
Author: KK
Project: 152619

Central Maine Power

NECEC Compensation Parcels
Natural Resource Survey Results

CENTRAL MAINE POWER
POWER ENGINEERS

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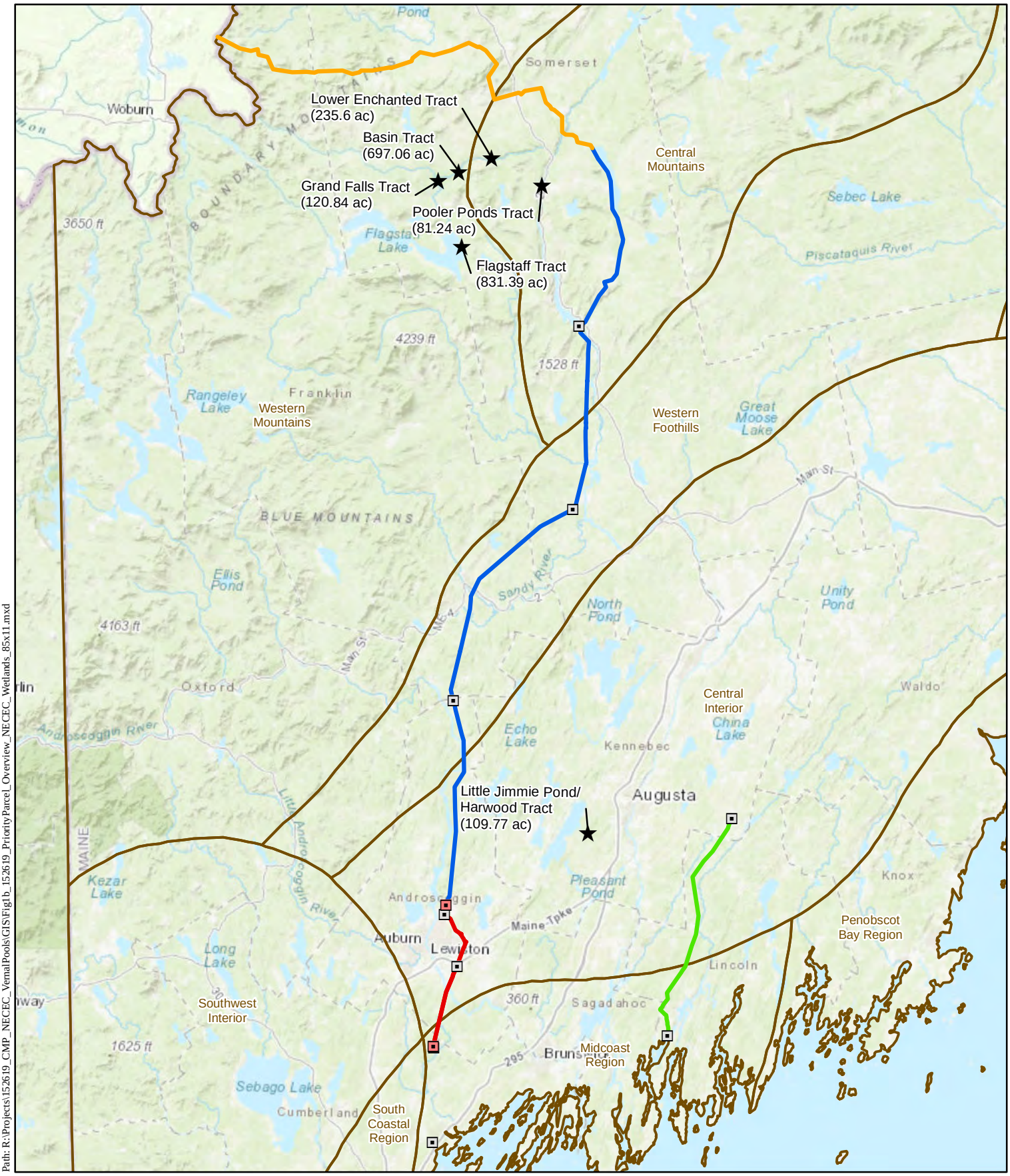

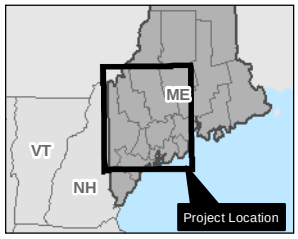

- Compensation Tract
- Existing Substation
- Proposed Substation
- HVDC (New ROW)
- HVDC (Existing ROW)
- Rebuild Section
- New 345 kV Line
- Biophysical Region

N
W E
S

1 in = 14 miles

0 7 14
Miles

Figure 1b
Compensation Tract Location
Biophysical Regions

Kennebec and Somerset Counties
Maine

Date:8/13/2018
Author: KK
Project: 152619

Central Maine Power

NECEC Compensation Parcels
Natural Resource Survey Results

CENTRAL MAINE POWER
POWER ENGINEERS

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1.2 New England District Compensatory Mitigation Guidance

The NED Guidance establishes criteria related to observations, analyses and other considerations relevant to documenting and evaluating potential sites and forms of compensatory mitigation for the six potential NECEC Compensation Tracts. NRPA wetland compensation standards also reflect many of these criteria (Ch 310 §6 A-H). NED Guidance for Mitigation Site Selection generally encompasses:

- Ecologic suitability based on:
    - Hydrologic conditions, soil characteristics and other physical and chemical characteristics.
    - Watershed–scale features such as habitat diversity, connectivity and other landscape scale functions.
    - Size and location relative to hydrologic sources and other ecologic features.
    - Reasonably foreseeable effects on ecologically important aquatic or terrestrial resources.
    - Other relevant factors such as: development trends, anticipated land use changes, habitat status and trends, location in stream network, local or regional goals for protection of particular habitat, and water quality and floodplain management goals.
- Landscape position being of similar setting and wetland types as of the impacted aquatic resource(s).
- Resistance to disturbance by being located near refuges, buffers, green spaces and other preserved natural elements of the landscape.
- Sustainability considerations such as current and future hydrology and preference for locations in areas that will remain as open space not to be severely impacted by clearly predictable development.
- Surrounding land use/plans, including probable future land use.

For preservation as compensatory mitigation in particular, NED Guidance indicates:

- Resources to be preserved provide important physical, chemical or biological function for the watershed.
- Resources to be preserved contribute to the ecological sustainability of the watershed.
- Resources are under threat of destruction or adverse modifications.
- The preservation site will be permanently protected through an appropriate real estate or other legal instrument.

1.3 Analysis of Existing Data

Prior to the commencement of field surveys of the six potential Compensation Tracts, existing information was reviewed to determine the potential extent of wetlands within the survey areas. These source materials included:

- Maine Office of GIS data catalog for Biologic and Ecologic/Environment and Conservation (MEGIS 2018)
- Maine Department of Environmental Protection Interactive Maps and Data (MDEP 2018)

- Maine Department of Inland Fisheries and Wildlife Beginning with Habitat Maps (MDIFW 2018)
- Maine Land Use Planning Commission Land Use Guidance Maps (MLUPC 2018)
- United States Geological Survey 7.5-minute Topographic Quadrangle Maps (USGS 2018)
- United States Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI) Wetlands Mapper (USFWS 2018)
- United States Geological Survey (USGS) National Hydrography Dataset (NHD) Viewer (USGS 2018)
- United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) 2018 Web Soil Survey (USDA NRCS 2018)
- Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRM) of Kennebec and Somerset Counties (FEMA 2018)

The information was compiled and synthesized into a geographic information system (GIS) geo-referenced database and used in the field to assist wetland scientists in the location and identification of wetland systems and other relevant natural resources on the Compensation Tracts.

1.4 Field Survey Methods

NWI Maps developed from photo-interpretation of aerial imagery are a widely used and accepted means to identify the location and general extent of wetlands throughout the United States (Benefiel and Lake 2012). Although information can be misused/misinterpreted, NWI maps are very appropriate for a variety of uses including: preliminary site assessment for development and transportation/utility corridors, environmental impact assessment reports, natural resource inventories, wildlife surveys, refuge planning and acquisition, and land appraisal (Tiner 1997).

The Maine Land Use Planning Commission (MLUPC) supported a study by the USFWS to evaluate the accuracy of NWI maps for use as regulatory wetland guidance maps (Nichols 1994). Amendments dated August 18, 2005 to the MLUPC's Land Use Guidance Maps note adoption of NWI wetlands on the Dead River, Carrying Place, Spring Lake, Lower Enchanted and Pierce Pond Townships and The Forks Plantation, where five of the NECEC Compensation Tracts (FLT, GFT, LET, BT, and PPT) are located. Similar NWI mapping appears on the Augusta 7.5-minute USGS topographic map where the Manchester Tract (LJPT) is located.

Limitations of NWI maps are recognized and attributed to a variety of well identified reasons (Tiner 1997 and 2007; Nichols 1994), some of which are particularly relevant to the NECEC Compensation Tracts. "Omission" rather than "commission" error, or the under-representation versus the over-representation, of wetlands is most common. Particularly relevant limitations responsible for omission error include: imagery scale and quality, difficulty in recognizing "drier-end" wetlands, linear (long) narrow wetlands unmapped due to dimensional scale, difficulty in mapping forested wetlands and difficulty in mapping wetlands on glacial till (Tiner 1997 and 2007); these limitations are present on one or more of the six NECEC Compensation Tracts. Field surveys, documenting the presence, extent and physical characteristics (vegetation, soils and hydrology), as well as preliminary habitat assessments, were therefore undertaken to evaluate and document the suitability of the six Tracts as compensatory mitigation for the NECEC Project.

1.4.1 Wetland Delineation

Evidence indicative of wetland from three parameters – vegetation, soils and hydrology – was used to identify and delineate wetlands in accordance with the 1987, *Corps of Engineers Wetland Delineation Manual* (USACE 1987) and the subsequent *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region* (USACE 2012). With the exception of unusual or atypical situations, evidence of wetland must be exhibited by all three parameters for an area or position to be designated as wetland.

When used in combination with evidence from the two other parameters, specific vegetation is a conspicuous and rapid means to identify the presence and extent of wetlands. The National Wetland Plant List (NWPL) issued by the USACE provides an indicator rating of a plant being indicative of wetlands or a hydrophyte. The NWPL was used to evaluate vegetation during the delineation of wetland boundaries on the six Compensation Tracts. Lists of vegetation and related NWPL indicator ratings appear as Appendix B for each Tract.

In addition to review of soil mapping by the NRCS web soil survey, throughout the course of field identification and the Global Positioning System (GPS) survey of wetlands on the six Compensation Tracts, soil characteristics including composition (organic vs mineral), texture, color (based on Munsell Soil Color Charts), and presence of redoximorphic features, were also examined in shallow soil profiles with a soil auger. Presence of hydric soils, in combination with dominance of hydrophytic vegetation and evidence of wetland hydrology were therefore used to identify the delineated wetland boundaries.

Hydrologic evidence indicative of wetlands includes a variety of primary and secondary indicators such as surface water, high water table, saturation near the surface and water stained leaves, sediment deposits, drift lines or adventitious roots. In combination with the presence of evidence from vegetation and soils, such examples of wetland hydrology were considered during mapping wetlands on the six potential Compensation Tracts.

1.4.2 National Wetland Inventory Classification

The National Wetland Inventory makes use of *Classification of Wetlands and Deepwater Habitats of the United States* (Cowardin et al. 1979) to differentiate types of wetlands https://www.fws.gov/wetlands/data/wetland-codes.html. As discussed in subsequent sections, wetlands on each Compensation Tract are identified and described by the NWI code. With this hierarchical classification, most freshwater wetlands on the Compensation Tracts are classified as being of the Palustrine (P) system and then to the class-level, based on dominant plant type as: Forested (PFO), Scrub-Shrub (PSS), Emergent (PEM), or Unconsolidated Bottom (PUB). Wetlands on parts of LJPT and FLT are also of the Lacustrine (L) system, and limnetic (1) subsystem, where instead of plant type, substrate is used to differentiate class-level as being Unconsolidated Bottom (L1UB). In similar fashion, wetlands on parts of GFT, LET and BT are of the Riverine (R) system, and upper perennial (3) subsystem, where substrate is also Unconsolidated Bottom (R3UB). For PPT, being located on the Kennebec River and downstream of the confluence with the Dead River, the subsystem is lower perennial (2) and riverine wetlands on this tract are therefore classified as R2UB.

Due to substrate being the basis for subsystem differentiation for the Lacustrine and Riverine systems, whereas vegetation is used to distinguish Palustrine classes, no attempts were made to capture with GPS the boundaries/areal extent of Lacustrine or Riverine wetlands. Practicality also entered into this decision from the simple basis of seasonal variability of water levels as well as, how far into the lake or river does a GPS polygon extend to arrive at corresponding acreage? Consequently, length or “frontage/river-miles,”

(measured in feet/miles), is deemed to be a more appropriate unit for uniformly quantifying Lacustrine or Riverine wetlands on the Compensation Tracts. Where a segment of Riverine wetland lies wholly within a Tract, (as is the case for a reach of the Dead River on GFT or Enchanted Stream on LET), an approximation of acreage derived from length and representative width is presented for the Riverine wetland units, chiefly for comparative purposes in relation to the size of the overall Tract as well as other delineated and GPS-surveyed palustrine wetland classes.

It is important to recognize that except where bordered by bedrock cliffs such as on LET and GFT, along essentially all Riverine system wetlands, a bordering band of PSS is present and most typically dominated by alder (*Alnus* spp.) or willows (*Salix* spp.). The width of this PSS is dependent on substrate, scour from higher stream stage and steepness of abutting slope. Although present due to mapping scale the band of PSS was not delineated or GPSed where less than approximately 30 feet in width along the river edge. Consequently, GPSed wetland acreage on PPT, LET, GFT and BT is inherently conservative and would therefore equate to an additional approximately 3.5 acres (30 feet by 5,280 feet /43,560 square feet) of PSS per river-mile along the Kennebec and Dead Rivers.

Streams of lesser size than the Kennebec and Dead Rivers or Enchanted Stream are typically not addressed by NWI mapping. The USGS National Hydrography Dataset (NHD), which is akin to NWI mapping but for rivers and streams, provides GIS-based data from which river and stream lengths on the Compensation Tracts are quantified. Unmapped smaller streams encountered in palustrine wetlands during the spring 2018 field surveys are displayed on accompanying tract resource maps (Figures 2.2, 3.3, 4.3, 5.3, 6.3 and 7.3). The mapping is supported by documentation of observed fundamental characteristics (perennial, intermittent or ephemeral flow, width/depth, substrate, fish, beaver dams, etc.). Field surveys also provide a means to reliably compare from tract to tract, the acreage of reaches of rivers or streams contained entirely within Tracts such as the Dead River and Enchanted Stream on GFT and LET respectively.

1.4.3 Wetlands of Special Significance

Under the provisions of the NRPA and related Rules (Chapter 310), certain characteristics are relevant to whether a wetland is regulated as a "freshwater wetland of special significance" (Ch 310 §4A 1-8). Characteristic of Wetlands of Special Significance (WOSS) that could potentially occur on the Compensation Tracts are listed below along with coding used in subsequent sections describing the presence of WOSS on each Tract:

- contains a "*critically imperiled* (S1)" (Ch 310 §3F) or "*imperiled* (S2)" (Ch 310 §3L) community as defined by the Natural Areas Program [**S1/S2**];
- is identified as "*significant wildlife habitat*" (38 MRS §480-B(10)) by the Maine Department of Inland Fisheries and Wildlife (MDIFW) [**SWH**] including:

    1. habitat for state or federal listed endangered or rare species,
    2. high and moderate value "*deer wintering areas*" (DWA) and travel corridors,
    3. high and moderate value *inland waterfowl and wading bird habitat*" (IWWH), and
    4. "*significant vernal pools*" (SVP);
- is located within 250 feet of a "*great pond*" (38 M.R.S. §480-B(5)) **[GP 250]**;

- contains more than 20,000 square feet of open water or aquatic or emergent marsh vegetation [**20k POW/PEM**];
- is a "*floodplain wetland*" (38 MRS §480-B(2-D)) inundated with floodwater during a 100-year flood event based on mapping by FEMA (Ch 310 §4A (6)) **[FP]**;
- is a "*peatland*" (Ch 310 §3P) [**PT**]; or
- is located within 25 feet of a "*river, stream or brook*" (38 M.R.S. §480-B(9), Ch 310 §4A (8)) [**RSB**].

1.4.4 Vernal Pools

Vernal pools are defined by the MDEP as: "a natural, temporary to semi-permanent body of water occurring in a shallow depression that typically fills during the spring or fall and may dry during the summer. Vernal pools have no permanent inlet or outlet and no viable populations of predatory fish" (Chapter 335 §9). "Significant vernal pools" are recognized by the presence of fairy shrimp (Eubrandhipus spp.), or specific numbers of blue spotted salamander (Ambystoma laterale), spotted salamander (Ambystoma maculatum) or wood frog (Lithobates sylvaticus) egg masses; in central Maine, MDIFW guidelines recommend evidence of these species be observed between April 25th and May 25th. Vernal pools documented to be used by state-listed rare, endangered or threatened species such as Blanding's turtles (Emydoidea blanddingii), spotted turtles (Clemmys guttata), boghaunter dragonflies (Williamsoni fletcheri, W. interni), Eastern ribbon snakes (Thamnophis sauritus), wood turtles (Clemmys insculpta), four-toed salamanders (Hemidactylium scutalum), swamp darner dragonflies (Epiaeschna heros), and comet darner dragonflies (Anax longipes), are also considered to be "significant vernal pool habitat" (Ch 335 §9B 1-4).

Under the provisions of Section 404 of the federal Clean Water Act, the USACE regulates activities in "waters of the United States," which include vernal pools. Vernal pools are defined by the New England District of the USACE in the General Permit (GP) for the state of Maine reissued on October 13, 2015. The USACE definition, while very similar to the MDEP's does not reference "natural" and does not recognize or differentiate significant vernal pools based on number of certain egg masses. Instead, the GP definition indicates: "…the presence of any of the following species in any life stage in any abundance level/quantity would designate the waterbody as a vernal pool: fairy shrimp, blue spotted salamanders, spotted salamanders or wood frogs. The Corps may determine during a Category 2 Review that a waterbody should not be regulated as a vernal pool based on available evidence."

Activities in and adjacent to certain types of vernal pools are regulated by the MDEP under the provisions of the NRPA. The extent of this jurisdiction can be as far as 250 feet outward of what are referred to as "significant vernal pools" Chapter 335 §9A(7)) to encompass "critical terrestrial habitat." Under the Maine GP, the USACE also regulates activities in vernal pools and outward from the perimeter for a distance of as much as 750 feet to encompass what is referred to as the "VP management area." Therefore, the spring 2018 screening provides information relevant to amphibian habitat surrounding vernal pools as well as a preliminary indication of the potential extent of regulatory jurisdiction.

Due to these differences in definitions which result in dissimilar approaches to regulatory jurisdiction, the following classification was established for the spring 2018 survey for vernal pools and vernal pool-like features occurring at each of the six Compensation Tracts. Although several rounds of surveys took place during May through June at LJPT, the classification was also developed to account for the brief, solitary reconnaissance-level surveys conducted during early June for the substantially larger tracts in the northern region along the Kennebec and Dead Rivers.

- **SVP** – "S***ignificant Vernal Pool***": Meets MDEP definition (Ch 335 (9)) with appropriate number of indicator egg masses.
- **PSVP** – **Potentially Significant Vernal Pool**: Meets MDEP definition except with >50% required number (i.e., not 100%) of indicator egg masses.
- **VP** – **Vernal Pool**: Meets MDEP definition except <50% required number (i.e., not 100%) or no indicator species egg masses.
- **CVP** – **Corps Vernal Pool**: Occurs in "*waters of the United States*" (WOTUS), typically in areas of disturbance (i.e., not "natural" per MDEP definition) such as skidder/ATV ruts, and contains indicator species egg masses. The other above forms of vernal pools are also subject to USACE jurisdiction.
- **PVP** – **Potential Vernal Pool**: exhibits depression/basin characteristics of VP or CVP but due to brief solitary survey, no other finding made (typically PVPs are reviewed again during a second survey).
- **ABA** – **Amphibian Breeding Area**: Not a MDEP vernal pool, not in USACE WOTUS (therefore, not regulated) but feature (i.e., mud puddle, rut in upland) contains any number of indicator egg masses.

Based on the observation of qualified wetland scientists, these resources have been tentatively identified as high, medium, or low value in accordance with the USACE Mitigation Guidance, but they are not proposed to offset vernal pool impact within the Project areas because they have not been verified. For this reason, CMP's compensation plan provides compensation in the form of ILF.

The boundaries of the wetlands and location of streams/waterbodies, vernal pools, and other natural resources on the Compensation Tracts were delineated in the field with colored flagging. Flagging positions and data point locations were recorded using a Trimble Geo XT mapping-grade GPS unit with positional data post-processed to sub-meter accuracy for transfer onto GIS-based mapping of natural resources on the individual Compensation Tracts.

1.4.5 Rare, Threatened, and Endangered Species

Numerous plant and animal species in Maine are considered rare, threatened, or endangered (RTE) and are protected under the federal Endangered Species Act of 1973 (16 United States Code [U.S.C.] §§ 1531 et seq.), the Maine Endangered Species Act, and/or the Maine Natural Areas Program (MNAP) statute (12 M.R.S. §§ 544, 544-B & 544-C). Under the federal Endangered Species Act, 'endangered' means a species is in danger of extinction throughout all or a significant portion of its range; 'threatened' means a species is likely to become endangered within the foreseeable future. Under the Maine Endangered Species Act, species of 'special concern' are administrative categories established by policy, not regulation, and are for planning and informational purposes (MDIFW 2009). Updated records of federally- and state-listed RTE species are maintained by the USFWS and MNAP, respectively. The online tool created by the USFWS, Information for Planning and Consulting (IPaC), generates a register of any listed species, critical habitat, migratory birds, or other natural resources that occur within the roject boundaries provided by the user. MNAP assesses rareness of plants and animals through analysis of historical research, field surveys, and evaluation by professionals; these assessments are updated biennially.

Regarding the compensation parcels evaluated within the scope of this Project, five of six tracts (FLT, PPT, GFT, LET, and BT) occur in Somerset County, and the remaining tract (LJPT) is in Kennebec

County. Lists of the RTE plant species currently and/or historically known to occur in Somerset and Kennebec Counties were compiled using publicly available information from the MNAP Rare Plant List and Rare Plant Fact Sheet. Of the 347 RTE plant species currently tracked in Maine, a total of approximately 87 species are found or have been found in Somerset County, and a total of approximately 36 are found or have been found in Kennebec County. Given that RTE plant species often have high coefficients of conservatism (a 0 through 10 metric of the Floristic Quality Index of plants native to a region) and are thus associated with specific ecological niches, each of these species was filtered by habitat preference to estimate potential of occurrence. Plants found in habitats not present on any of the tracts (such as, but not limited to, alpine, estuarine, and coastal environments) were disregarded. While surveys for rare species were not formally conducted, species with phylogenetic affinity to those on the RTE list were given appropriate scrutiny. Preliminary observations of plants were noted and appear in Appendix B for each tract. Due to the scope and the schedule of the Project, as well as to variations in phenology and time limitations, identification of all plants on the tracts was not possible.

An informal list of endangered animals was compiled for each tract (Appendix A) using the IPaC program from the USFWS website. Although not considered an official list for the purposes of permitting, the list provided a guideline for surveyors to look for evidence of these species. Observations of animal signs were documented, and details are included in the wildlife section of each tract. Migratory birds and songbirds were identified based on sight or auditory call.

1.5 Functional Assessments

A *Descriptive Approach* to assessing wetland functions and values, described in a September 1999 supplement (the Supplement) to *The Highway Methodology Workbook* by the New England Division of the USACE (USACE-NED 1999), is an assessment method recognized and accepted by the MDEP. Functions and values of wetlands on Compensation Tracts have been evaluated by this method and are summarized below. As described in Section 12 of the September 27, 2017 NRPA permit application, the same assessment method was used to evaluate all wetland areas under state or federal jurisdiction that may be impacted by the NECEC Project. Specific functions and values determined to be provided by wetlands at individual Compensation Tracts are discussed in subsequent sections.

The Supplement indicates "*Wetland functions are self-sustaining properties of a wetland ecosystem that exist in the absence of society.*" Wetland functions relate to the ecological significance of wetland properties without regard to subjective values. Wetland functions are generally considered to be the result of biologic, geologic, hydrologic, biogeochemical, and/or physical processes that occur or take place in a wetland. Functions and values of wetlands are dependent on, and influenced by, various physical characteristics at the site, which are indicative of relative levels of function and value. These include: size and proximity of wetlands to ongoing development activity, geologic setting, soil characteristics, presence and duration of hydrology, landscape position, and wetland cover type. Consequently, the effects of changes to these physical characteristics are evaluated in assessing whether an activity or project impacts wetland-specific functions and values.

Functions attributed to wetlands include the following:

- Groundwater Recharge/Discharge (**GW**) – considers the potential for a wetland to serve as a groundwater recharge or discharge area.
- Floodflow Alteration (Storage & Desynchronization) (**FS**) – considers the effectiveness of a wetland in reducing flood damage by water retention for prolonged period following precipitation event and the gradual release of floodwaters. It adds to the stability of the wetland ecological

system or its buffering characteristics and provides social or economic value relative to erosion and/or flood prone areas.

- Fish and Shellfish Habitat (**FH**) – considers the effectiveness of seasonal or permanent watercourses associated with the subject wetland for fish and shellfish habitat.
- Sediment/Toxicant/Pathogen Retention (**STPR**) – considers the effectiveness of a wetland as a trap for sediments, toxicants or pathogens in runoff water from surrounding uplands or upstream eroding wetland areas such as preventing ill effects of nutrients entering aquifers or downstream surface waters.
- Nutrient Removal/Retention/Transformation (**NR**) – considers the effectiveness of a wetland as a trap for nutrients in runoff water from surrounding uplands or upstream eroding wetland areas the ability of the wetland to process these nutrients in other forms or trophic levels and thereby functioning to reduce or prevent degradation of water quality.
- Production (Nutrient) Export (**PE**) – evaluates the effectiveness of a wetland to produce food or usable products for humans or another living organism.
- Sediment/Shoreline Stabilization (**SS**) – considers the effectiveness of a wetland to stabilize streambanks and shorelines against erosion.
- Wildlife Habitat (**WH**) – considers the effectiveness of a wetland to provide habitat for various types and populations of animals (resident and migratory) typically associated with wetlands and the wetland edge.

Wetland values are generally considered to be benefits derived from either these functions or other characteristics of a wetland. Perceived values arise from the functional ecological processes exhibited by wetlands but are determined also by human perceptions, the location of a particular wetland, the human pressures on a wetland, and the extent of the resource (Mitsch and Gosselink 1993). The value of a particular function, or combination thereof, is based on human judgment of the worth, merit, quality, or importance attributed to those functions. Values attributed to wetlands include the following:

- Recreation (**REC**) – considers the suitability of a wetland and associated water courses to provide recreational opportunities such as hiking, canoeing, boating, fishing, hunting and other active or passive recreational activities.
- Education/Scientific Value (**ED**) – considers the suitability of the wetland as a site for an "outdoor classroom," or as a location for scientific study or research.
- Uniqueness/Heritage (**UQ**) – considers the effectiveness of a wetland or its associated waterbodies to provide certain special values, that may include archaeological sites, critical habitat for endangered species, and its overall health and appearance, role in the ecological system of the area, and relative importance as a typical wetland class for this geographic location whereby these functions are clearly valuable attributes relative to aspects of public health, recreation and habitat diversity.
- Visual Quality/Aesthetics; and (**VQ**) – considers the visual and aesthetic quality and usefulness of a wetland.
- Threatened or Endangered Species Habitat (**ES**) – considers the suitability of a wetland to support threatened or endangered species.

The functions and values identified above may vary slightly in terminology, but encompass all the functions identified in, and addressed by, the NRPA Wetland Protection Rules. As defined in these Rules, "functions" are:

The roles wetlands serve which are of value to society or the environment, including but not limited to, flood storage, flood water conveyance, ground water recharge and discharge, erosion control, wave attenuation, water quality protection, scenic and aesthetic use, food chain support, fisheries, wetland plant habitat, aquatic habitat and wildlife habitat (Chapter 310 §3J).

A basic concept presented by the Supplement is an identification of "Considerations/Qualifiers" that can be used as indicators or descriptors of the presence of particular functions or values. From as few as three to as many as 32 of these "Considerations/Qualifiers" are identified in Appendix A of the Supplement for each of the respective wetland functions and values. These "Considerations/Qualifiers" therefore become a checklist or outline of indicators of functions and values for wetland scientists to observe, compare against, and structure assessments. The Supplement indicates these "Considerations" are intended to be flexible and are ultimately based on "best professional judgment." Consequently, as described in Section 12 of the September 27, 2017 NRPA permit application, the effects of changes to these physical characteristics have also been evaluated for these same wetland-specific functions and values by the NECEC Project.

2.0 LITTLE JIMMIE POND–HARWOOD TRACT

2.1 Site Location Information

Municipality: Manchester **County:** Kennebec

Biophysical Region: Central Interior

Watershed (HUC 12): Upper Cobbosseecontee Stream (010300032308)

NECEC Components within HUC 8 (01030003) Watershed: HVDC, Existing Right-of-Way

Closest NECEC Component: Corridor Expansion Site (Livermore Falls)

Coordinates of Site Centroid (Lat/Long WGS 84): 44°16'18.21"N, 69°52'23.75"W

2.2 Natural Resource Inventory Summary **(quantities are +/-):**

Total Site Area .....109.77 acres

NWI Palustrine Wetland Area.....75.01 acres

Delineated and GPS-surveyed Palustrine Wetland Area..... .....68.08 acres

NHD Rivers and Streams..... 2,410 feet (0.46 mile)

Delineated and GPS-surveyed Rivers and Streams.....3,030 feet (0.58 mile)

Upland Area.....41.69 acres

Inland Waterfowl and Wading Bird Habitat (Moderate Value)……....71.92 acres

Significant Vernal Pools.....none

Other Vernal Pool Types……...2 high value PSVPs, 6 medium value VPs, 1 low value VP

Vernal Pool Critical Terrestrial Habitat (750 feet)..... 81.84 acres

Deer Wintering Area……..…….0.5 acre

2.3 Site Description

The approximately 109.77-acre Little Jimmie Pond-Harwood Tract (hereafter “LJPT” or “the Tract”) is in Manchester, Maine approximately 4.7 miles from the state capitol in Augusta. LJPT is comprised of distinct western and eastern parcels. The Tract has about 710 feet of frontage on the south side of Collins Road that borders the north end of Hutchinson Pond and extends to the west toward Benson Road (Figure 2.1).

The northern side of the western parcel shares an approximately 1,200-foot boundary with the MDIFW 886-acre Jamie’s Pond Wildlife Management Area (WMA) which in addition to hunting and fishing opportunities, provides a network of trails that are quickly accessed by the daily commuters and citizens in surrounding communities (Capital Walks 2008).

With approximately 900 feet of frontage on Hutchinson Pond, the east parcel is located approximately 800 feet north of the 81-acre Hutchinson Pond property that was protected and preserved as compensatory

mitigation for Central Maine Power Company's Maine Power Reliability Program (MPRP) Project and is now managed by the Kennebec Land Trust (KLT 2018). Wetlands on the eastern parcel extend southward along the intervening distance between the LJPT and the KLT properties.

2.4 Surrounding Land Use, Protected Open Space and Focus Areas

Surrounding lands in the general vicinity of the LJPT are primarily forested, with residential homes, small fields, and secondary roads scattered throughout the area. The Tract frontage on Collins Road would provide an access point to the property for future development. The property is approximately 12.7 miles from Exit 109 on Interstate 95 (I-95) in Augusta, and therefore is at risk for future development given its relatively close proximity to the greater capital area. The developable land is field-verified, forested upland in and around wetland areas of various cover types. Approximately 20 acres (18%) of the Tract harbors the potential for Rural/Residential (R1) housing development (Figure 2.2). The minimum lot size for the R1 zone in Manchester is about two acres (Town of Manchester 2017), allowing for an estimated 10 homes to be built.

LJPT is hydrologically connected via the outlet of Hutchinson Pond to Cobbosseecontee Stream and ultimately the Kennebec River. Immediately to the east of the tract on the opposite side of Benson Road is Beginning with Habitat's Cobbossee–Annabessacook Focus Area (BWH 2018a). The focus area is comprised of extensive areas of wetlands that provide habitat for wintering deer, rare species, and outstanding habitat for wading birds and waterfowl. Rare plants and animals noted in the focus area include water stargrass (*Heteranthera dubia*), least bittern (*Ixobrychus exilis*), and ribbon snake (*Thamnophis sauritus*).

The location of the LJPT in proximity to ecological focus areas, conservation lands, and protected wildlife areas provide enhanced value to the property from a protected land standpoint, primarily due to connectivity with these other parcels that will provide greater habitat functionality at a landscape scale. The current lack of development in the surrounding landscape and proximity to protected lands provides large buffer areas which augment the overall ecological functions of the property, specifically the diverse set of wetland systems located on site.

2.5 Wildlife Use

Evaluations of the landscape (i.e., aerial photo interpretation) and on-site investigations were performed to document both wildlife use and available habitat on the Tract. The presence of variable habitat types across the Tract makes it an attractive landscape for a wide variety of fauna. Habitat types found on LJPT include forested uplands comprised of mixed vegetation, emergent wetland marsh (Photos 2.1 and 2.2), scrub-shrub wetlands (Photo 2.3), forested wetlands (Photo 2.4), black spruce bog (Photo 2.5), streams, and seasonally flooded wetlands.

The variable habitat on LJPT, such as mixed forests, scrub-shrub, emergent marsh, forested wetlands, and uplands, provides opportunity for a wide variety of bird species that are typically found in the greater central Maine region. Game birds such as ruffed grouse (*Bonasa umbellus*) and wild turkeys (*Meleagris gallopavo*) were both heard and observed on the Tract. Variation in cover types provides habitat for a variety of raptors, owls, woodpeckers and passerine species. During site survey efforts, a bald eagle (*Haliaeetus leucocephalus*) was observed in flight over Hutchinson Pond near the southeastern end of the east parcel. Mapped IWWH is available in the large marsh on the north end of Hutchinson Pond (Figure 2.2). Two American bitterns (*Botaurus lentiginosus*) were observed and heard calling from the marsh during field surveys. In the open water sections of the marsh, common loon (*Gavia immer*), mallard (*Anas platyrhynchos*) and black ducks (*Anas rubripes*) were noted. Beaver (*Castor canadensis*) activity was

observed in the marsh with recent tree cuttings, dam building activity and an active lodge (Photo 2.2). An adult barred owl (*Strix varia*) with two fledglings was also observed in the forested upland along the western edge of the marsh. Other birds observed or heard calling during field surveys included oven bird (*Seiurus aurocapilla*), winter wren (*Troglodytes hiemalis*), black capped chickadee (*Poecile atricapillus*), white-breasted nuthatch (*Sitta carolinensis*), pileated woodpecker (*Hylatomus pileatus*), hairy woodpecker (*Leuconotopicus villosus*), downy woodpecker (*Picoides pubescens*), red wing blackbird (*Agelaius phoeniceus*), great blue heron (*Ardea herodias*), and multiple warbler species.

There are numerous vernal pools of varying sizes, depths, and types located on LJPT. Some of these pools fit the classic definition of a vernal pool (i.e., isolated depressions surrounded by upland forest) while others are topographic depressions within larger wetland complexes. For instance, numerous depressional vernal pools (Photos 2.7 and 2.8) are located within topographic lows of the black spruce bog on the west parcel. During springtime vernal pool investigations, wood frogs (*Lithobates sylvaticus*) and spotted salamander (*Ambystoma maculatum*) were noted as actively breeding in pools on site, as per the presence of their respective egg masses. Two were rated as high value PVPs, six as medium value VPs and one as a low value VP. Other herptiles observed at LJPT include garter snakes (*Thamnophis* spp.), green frog (*Lithobates clamitans*), bull frog (*Lithobates catesbeianus*), American toad (*Anaxyrus americanus*) and northern leopard frog (*Lithobates pipiens)* were also noted.

There are approximately 3,030 linear feet of stream and two beaver impoundments on the Tract. Two of the streams (totaling 620 feet in length) are relatively small, approximately two to three feet wide, with intermittent flow. Each stream drains through forested wetlands into the large emergent marsh in the east parcel. The remaining length is a larger perennial stream that flows beneath Collins Road onto the Tract's east parcel and then through the emergent marsh into Hutchinson Pond at the southeastern corner of LJPT. This approximately 20 feet wide, straightened stream is ponded in areas by beaver impoundments (Figure 2.3).

Due to the diverse range of habitats on the LJPT along with its direct connection and close proximity to other conserved lands in the area, a wide range of mammal species typically found in the central Maine region can utilize the Tract. On site surveys noted the presence of snowshoe hare (*Lepus americanus*), beaver, porcupine (*Erethizon dorsatum*), raccoon (*Procyon lotor*), white-tail deer (*Odocoileus virginianus*), gray squirrel (*Sciurus carolinensis*), and red squirrel (*Sciurus vulgaris*). A preliminary review of the property using the USFWS online IPaC system was conducted to evaluate potential presence of federally threatened or endangered species. The results of the IPaC review appear in Appendix 2A.

2.6 Vegetation

LJPT consists of a variety of vegetative communities (Appendix 2B) which provide different cover types and habitat characteristics. The property is primarily composed of mature wetland and upland forests, portions of which include predominantly coniferous and mixed coniferous-deciduous forest. There are large areas of emergent marsh located in the east parcel. Of note is a black spruce (*Picea mariana*) bog on the eastern area of the west parcel.

Dominant tree species in the mixed evergreen-deciduous upland forests of the west parcel are eastern hemlock (*Tsuga canadensis)* and American beech (*Fagus grandifolia*). The shrub stratum contains saplings of the above-mentioned tree species, as well as American witch hazel (*Hamamelis virginiana*) and striped maple (*Acer pensylvanicum*). Common herbaceous plants in the understory consist of violet (*Viola* spp.), wood sorrel (*Oxalis montana*), starflower (*Lysimachia borealis*), Canada mayflower

(*Maianthemum canadense*), evergreen wood fern (*Dryopteris intermedia*), and prickly tree club-moss (*Dendrolycopodium dendroideum*).

Dominant tree species in the mixed evergreen-deciduous upland forest enveloped by the emergent marsh (PEM) of the east parcel include red maple (*Acer rubrum*), eastern white pine (*Pinus strobus*), balsam fir (*Abies balsamea*), ironwood (*Carpinus carolinianus*), gray birch (*Betula populifolia*), and white ash (*Fraxinus americana*). The shrub stratum in this area consists of saplings of the aforementioned tree species. The understory consists primarily of New York fern (*Parathelypteris novaboracensis*), brackenfern (*Pteridium aquilinum)*, sarsaparilla (*Aralia nudicaulis*), Canada mayflower, and starflower.

The emergent marsh (PEM) on the eastern section of the east parcel is predominantly composed of tussock sedge (*Carex stricta*) and bluejoint grass (*Calamagrostis canadensis*). The shrub stratum occurs in the ecotone between open wetland and upland forest and consists primarily of meadowsweet (*Spiraea alba* var. *latifolia*), smooth arrow-wood (*Viburnum dentatum*), and speckled alder (*Alnus incana* ssp. *rugosa*).

In the black spruce bog (PFO4/1), the dominant tree species are black spruce and red maple. The shrub layer consists of Labrador tea (*Rhododendron groendlandicum*) and common winterberry (*Ilex verticillata*), along with a mix of eastern hemlock, black spruce, and eastern white pine saplings. The herbaceous layer is comprised predominantly of barber-pole bulrush (*Scirpus microcarpus*), cinnamon fern (*Osmundastrum cinnamomeum*), common woolsedge (*Scirpus cyperinus*), three-seeded sedge (*Carex trisperma*), rough bedstraw (*Galium asprellum*), marsh fern (*Thelypteris palustris*), and poison ivy (*Toxicodendron radicans* ssp. *radicans*). Common nonvascular plants present include various species of *Sphagnum* mosses.

Forested wetlands (PFO1) are dominated by eastern hemlock, red maple, balsam fir, and yellow birch (*Betula alleghaniensis*). The typical shrub understory includes yellow birch saplings. Dominant herbs, grasses, and graminoids are sensitive fern (*Onoclea sensibilis*), cinnamon fern, interrupted fern (*Osmunda claytonia*), violet, bladder sedge (*Carex intumescens*), and silvery sedge (*Carex canescens*).

Along the northwestern corner of the western parcel, there is a beaver impounded open water area with a mix of live and standing dead snags of red maple. The herbaceous layer consists primarily of three-seeded sedge, common wool sedge, common soft rush (*Juncus effusus*), broadleaf cattail (*Typha latifolia*), and bur-reed (*Sparganium* spp.). Floating aquatic plants present are common duckweed (*Lemna minor*).

There were no observations of invasive plant species within the wetlands located on the LJPT. The lack of invasive species within the wetlands on site generally increases the overall functions of each wetland system.

2.7 Wetland Characteristics, Functions and Values

Approximately 68.08 acres (62%) of the 109.77-acre LJPT were identified as wetland during the field survey effort. The primary wetland system on the eastern parcel (Photos 2.1, 2.2, and 2.3) is a large emergent marsh (PEM) located on the northern end of Hutchinson Pond at the southeast corner of the parcel. The portion of the marsh located on the LJPT totals approximately 50.5 acres. A perennial stream flows from the northern property boundary through the large marsh and into Hutchinson Pond (L1UB). The stream flow is relatively low velocity that has further slowed to a ponded condition by an active beaver dam. This creates outstanding wildlife habitat for inland wading birds and waterfowl (IWWH) rated as moderate value by MDIFW. The marsh is surrounded by a perimeter of scrub-shrub wetland (PSS) that transitions into forested wetland in most locations before ultimately becoming upland forest

both along the western marsh edge and within the large section of upland in the center of the marsh. The transitional habitat between open water, emergent marsh, scrub-shrub, forested wetland, and upland forest provides a high degree of vertical stratigraphy in vegetation that further enhances wildlife function for numerous species of amphibians, reptiles, birds, and mammals.

A deer wintering area is located between the west and east parcels and the based on the exent of confierous cover the approximately one-half acre mapped to occur on the west parcel (Figure 2.3) is likely to be larger. Numerous established hunting tree stands were noted along the edge of the emergent marsh in the east parcel. Hunting stands were also observed in the upland areas around the marsh to the west. Established game trails along with tracks, droppings, and tree rubs from white tail deer suggest that the east parcel is a productive location for hunting activities. Other hunting activities would include turkey, grouse, and waterfowl due to the proximity to Hutchinson Pond and the open water sections of the emergent marsh.

In addition to hunting, the frontage along the northern end of Hutchinson Pond in the east parcel would provide opportunity for other recreational activities such as canoeing or fishing. According to MDIFW, Hutchinson Pond is a warm water fishery with principal species of largemouth bass (*Micropterus salmoides*) and chain pickerel (*Esox niger*). In addition to warm water species, MDIFW annually stocks brook trout (*Salvelinus fontinalis*) in Jimmie Pond to the north of LJPT. During spring and fall seasons when water temperatures are adequate, it is likely that brook trout migrate south through the perennial stream connecting Jimmie Pond to Hutchinson Pond, offering an opportunity for trout fishing both in the stream and Hutchinson Pond.

The primary wetland system on the west parcel is an approximately eight-acre black spruce bog (Photo 2.5). The bog is comprised of a mix of deciduous and coniferous trees, primarily black spruce and red maple, with dense shrub and herbaceous layers. The dense understory provides habitat for various birds, amphibians, and mammals.

The soils in the lowland portions of the site are comprised primarily of organic materials underlain with glaciomarine sediment. Organic soils (Togus fibrous peat) are located in both the emergent marsh and the black spruce bog. Mineral soils (Paxton-Charlton very stony fine sandy loams and Ridgebury very stony fine sandy loam) are found in the remaining wetlands on site and are primarily derived from very stony glacial till that has a dense restrictive layer which impedes stormwater penetration and perches runoff. Portions of the site at higher elevations are derived from moderately deep glacial tills (Woodbridge very stony fine sandy loam) which are moderately well drained.

There were no observations of invasive plant species within the wetlands located on the LJPT. The lack of invasive species within the wetlands on site generally increases the overall functions of each wetland system.

The principal functions and values of the wetlands located on LJPT are wildlife habitat, nutrient removal, sediment/toxicant retention, recreation, flood flow alteration, groundwater recharge/discharge, and production export. The primary wetland systems in the east and west parcels both function to maintain/improve water quality. Both ultimately drain to the Kennebec and attenuate floodwaters by temporarily storing storm water runoff resulting in enhanced sediment and shoreline stabilization as well as nutrient removal and sediment retention. A summary of the functions and values for the wetlands on LJPT appears in Table 2.1.

TABLE 2-1 SUMMARY OF FUNCTIONS AND VALUES OF WETLANDS ON THE 109.77-ACRE LITTLE JIMMIE POND-HARWOOD TRACT

FUNCTION / VALUE	EXPLANATION
Groundwater Recharge/Discharge (GW)	Groundwater recharge was noted as a primary function for the black spruce bog in the west parcel of LJPT as well as in the smaller isolated, seasonally flooded wetlands located throughout the Tract. Groundwater discharge was noted in the forested wetlands that are connected to the large emergent marsh in the east parcel as well as the black spruce bog and larger wetland system off-site to the west of LJPT.
Flood flow Alteration (FF)	The most recent FIRM for this part of Manchester (Community Panel Nos. 23011 C0494D, C0513D effective date June 6, 2011), prepared FEMA identify a 100-year floodplain associated with Inlet Stream that encompasses the wetland southward from Collins Road to Hutchinson Pond (HP). On the west side of the parcel, wetlands are hydrologically connected to HP, and therefore also contribute to the function of flood flow alteration.
Fish and Shellfish Habitat (FH)	Surveys conducted by MDIFW indicate HP has abundant warm water fish habitat, principally for not only chain pickerel but also as a sport fishery for largemouth bass. Other species reported to occur in HP include white and yellow perch, pumpkinseed sunfish, baitfish and American eel. Brook trout are also stocked annually in Jimmie Pond to the north of the parcel and likely migrate south into Hutchinson Pond during spring and fall when water temperatures are adequate.
Production Export (PE)	The diverse vegetation observed on site provides plentiful seed and fruit sources for various species of wildlife. The eight vernal pools identified on site are also an important source of nutrient production and export within the local ecological system.
Sediment/Toxicant/ Pathogen Retention (STPR)	Open water and emergent marsh habitats in the west parcel have suitable organic and/or fine grain soils, slow moving water, variable water depths, flood storage capacity, and dense vegetation that are important and effective aspects of sediment, toxicant, and pathogen retention. The organic soils and long duration water retention time present in the black spruce bog in the west parcel also are important factors in sediment, toxicant, and pathogen reduction.
Nutrient Removal (NR)	Organic soils and dense vegetation in both the emergent marsh and black spruce bog on the LJPT are effective in performing this function. Storm water runoff from uplands and small ephemeral streams that drain into the wetlands is dissipated within the organic soils and dense vegetation where nutrients carried with the runoff are processed into other forms and transferred to higher trophic levels in the ecosystem.
Sediment/Shoreline Stabilization (SS)	The emergent marsh in the east parcel is in a mapped floodplain and contains a riparian buffer area comprised of scrub-shrub wetland that transitions into forested wetland. The wetlands around the perimeter of the marsh are an important component of floodwater attenuation and help to provide overall stability for downstream water resources such as HP.
Wildlife Habitat (WH)	Wetlands on the LJPT are comprised of a diverse mix of vegetative communities, wetland classes, and water regimes. The variety and lifeforms of vegetation provide suitable habitat for a multitude of birds, reptiles, amphibians, insects, and mammals. Moderate value IWWH (ID 031056) in the large marsh on the east parcel provides outstanding habitat for these species of birds. DWA is also identified on BWH maps in the forested area between the east and west parcels (Figure 2.2). Upland areas associated with the wetlands provide additional habitat for various species which utilize a mix of wetland and upland habitats or those that typically utilize uplands as their primary habitat.
Educational/ Scientific Value (ED)	Wetlands on the LJPT are diverse and would therefore provide ample opportunities for ecological education and learning. The property is close to the greater Augusta area, as well as WMA to the north and an existing conservation land parcel to the south. The quality and type of wetlands on the property, soil types, diverse vegetation communities, and presence of numerous vernal pools would provide a vast array of educational opportunities for the public.
Recreation (REC)	LJPT has access opportunities from Collins Road. Numerous recreational opportunities are available on the property including, fishing, hunting, hiking, boating, and bird watching

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2.8 Compensation

As part of the compensation package for NECEC, the approximately 109.77-acre Little Jimmie Pond Tract will be permanently protected by a conservation easement or similar instrument. Preservation of this property will include 66.97 acres of diverse wetland habitat, 3,030 linear feet of streams, nine vernal pools, and 81.24 acres of vernal pool critical terrestrial habitat (Figure 2.3). Considering the Tract's proximity to Augusta, current zoning, road frontage, and available upland area, LJPT is at risk of development for residential housing and the potential associated adverse impacts. Preservation of the Tract will allow for permanent protection from development and will preserve the existing recreational opportunities, wildlife habitat, water quality benefits, vernal pool habitat, and educational opportunities of LJPT.

2.9 Photographs

PHOTO 2-1 THE EMERGENT MARSH (PEM) ON THE EASTERN SIDE OF PARCEL IS PART OF THE IWWH

PHOTO 2-2 RECENT BEAVER ACTIVITY FLOODS THIS SECTION OF EMERGENT MARSH

PHOTO 2-3 WESTWARD VIEW OF EMERGENT/SCRUB-SHRUB WETLAND (PEM/PSS), ANOTHER WETLAND COVER TYPE OF THE IWWH ON THE EAST PARCEL

PHOTO 2 A FORESTED WETLAND (PFO4/1) IS LOCATED WEST OF THE LARGE PEM

PHOTO 2-5 A BLACK SPRUCE BOG (PFO4/1) IS LOCATED ON THE WEST PARCEL OF LJPT

PHOTO 2-6 THIS FLOODED SECTION OF FORESTED WETLAND OCCURS ALONG THE WESTERN PROPERTY BOUNDARY

PHOTO 2-7 THIS POTENTIALLY SIGNIFICANT VERNAL POOL (PSVP-1) OCCURS ON THE NORTH SIDE OF THE WEST PARCEL.

PHOTO 2-8 THIS POTENTIALLY SIGNIFICANT VERNAL POOL (PSVP-2) IS LOCATED ON THE EAST PARCEL

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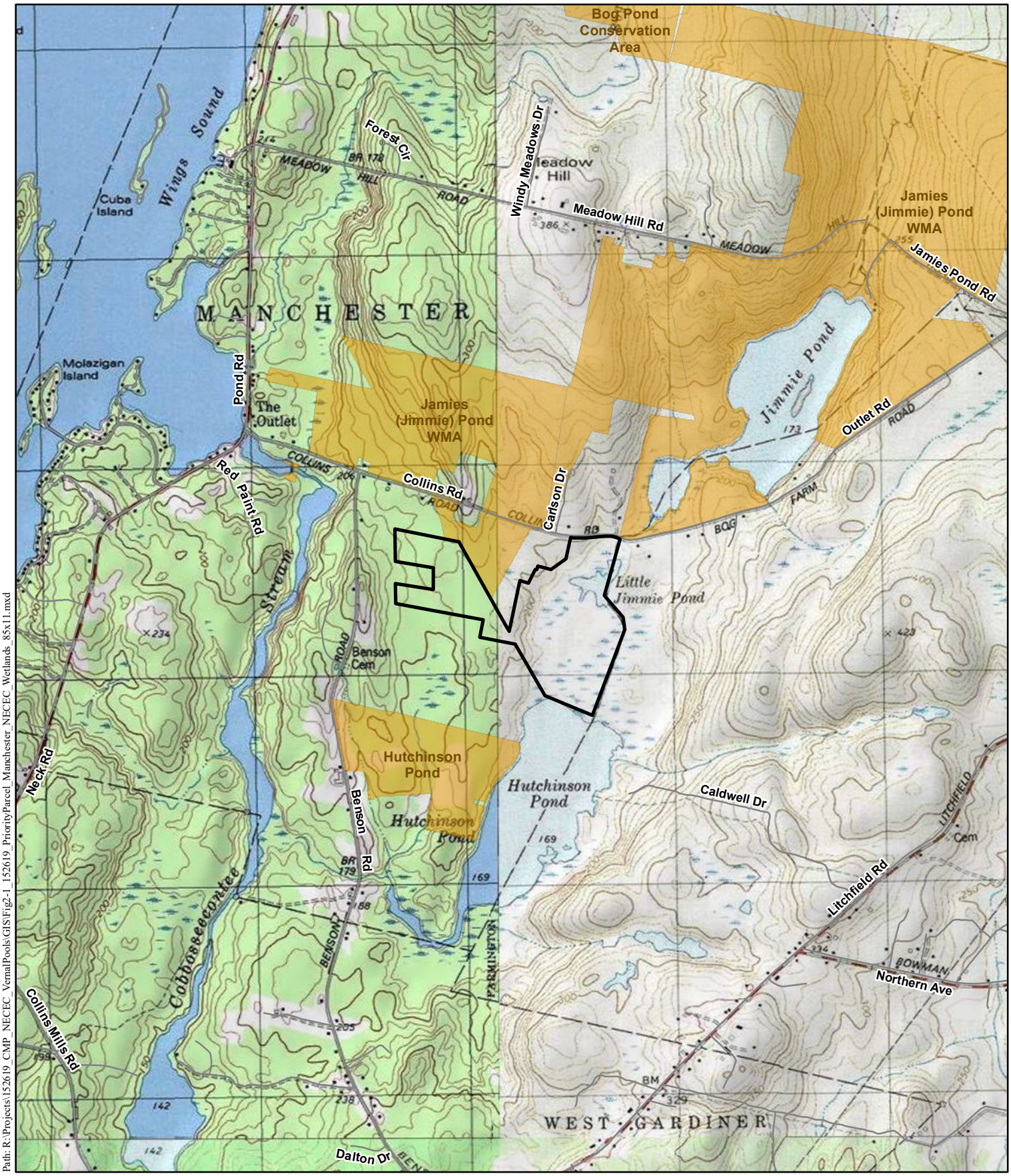

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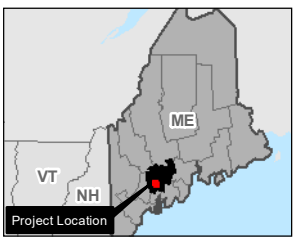

Road
Conserved Lands
Survey Boundary

N
W E
S

SCALE: 1 " = 2,000 '

0 1,000 2,000
Feet

Figure 2.1: Locus
Little Jimmie Pond
Harwood Tract

Kennebec County
Maine

Date:8/6/2018
Author: KK
Project: 152619

Central Maine Power

NECEC Compensation Parcels
Natural Resource Survey Results

CENTRAL MAINE POWER
POWER ENGINEERS

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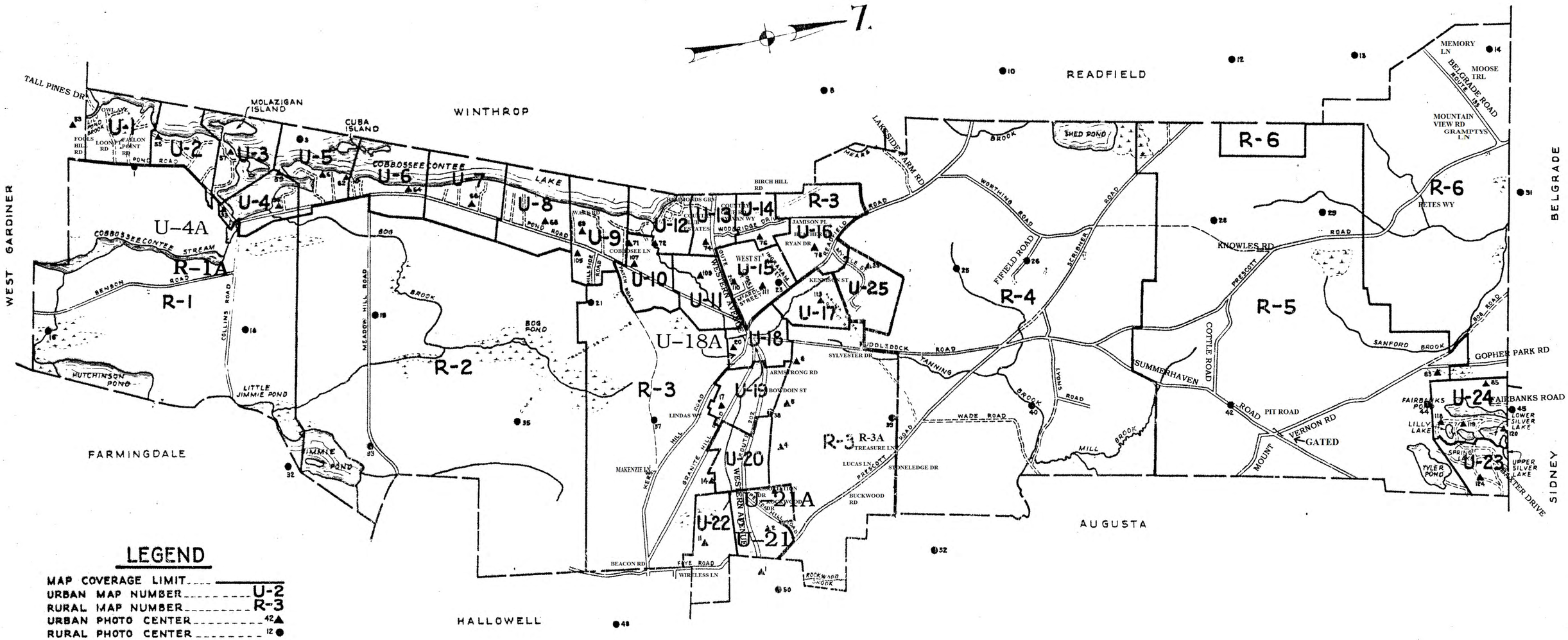

PREPARED BY
WRIGHT & PIERCE
CONSULTING ENGINEERS
TOPSHAM, MAINE
1968

MANCHESTER
MAINE

PROPERTY MAP
MANCHESTER, MAINE
APRIL 1, 2016

INDEX

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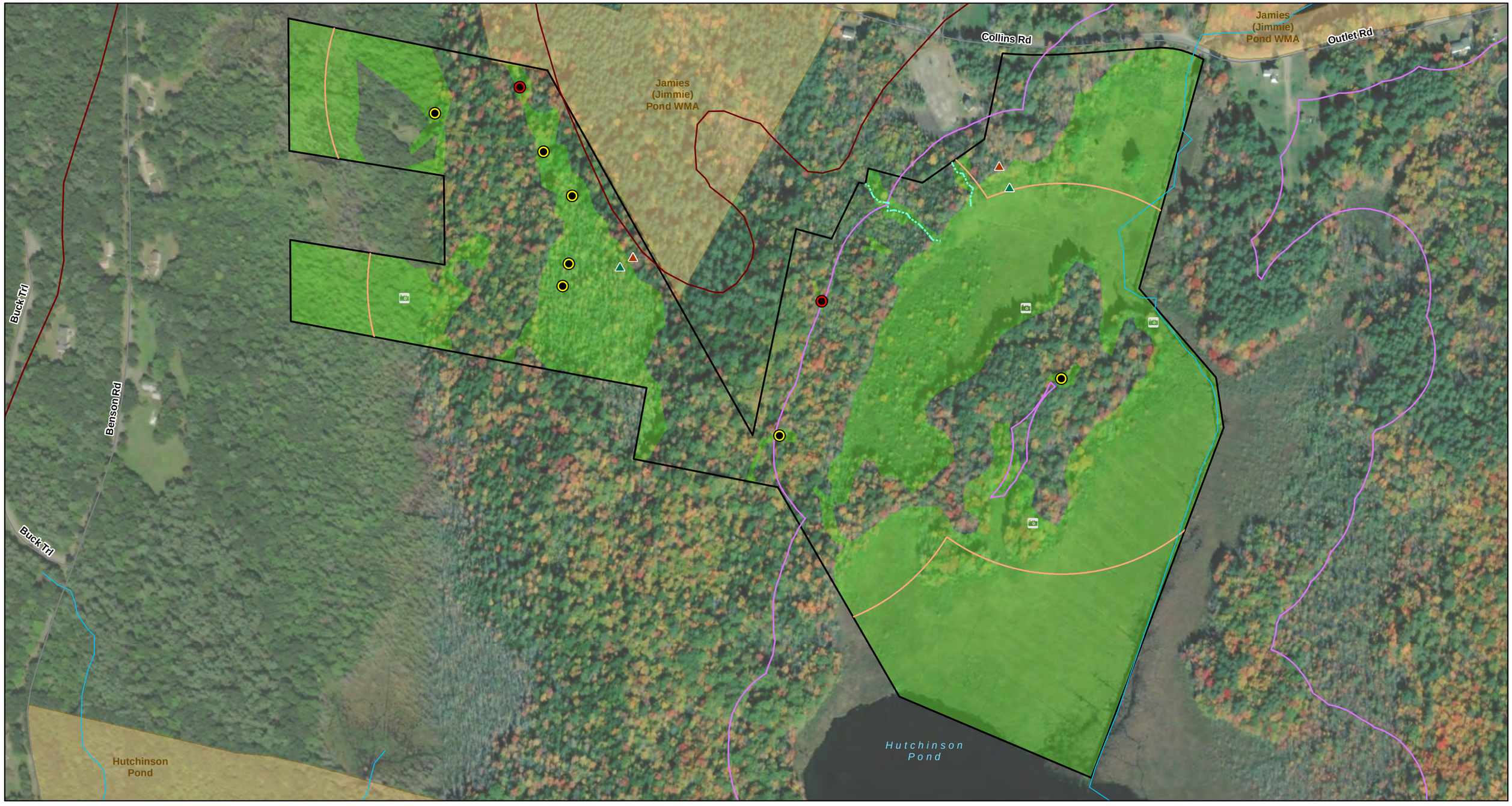

- Wetland Data Point
- Upland Data Point
- Potential Significant Vernal Pool
- Vernal Pool
- Photograph
- Delineated Ephemeral Stream
- Stream (NHD)
- Critical Terrestrial Habitat (750')
- DeerWinteringAreas
- Inland Waterfowl and Wading Bird Habitat
- Survey Area
- Road
- Delineated Wetland
- Conservation Land

Figure 2.3: Natural Resources
Little Jimmie Pond - Harwood Tract

Manchester Township, Kennebec County, Maine

0 175 350 700
Feet

1 " = 350 '

Page 1 of 1

Central Maine Power
NECEC Compensation Parcels
Natural Resource Survey Results

CENTRAL MAINE POWER

POWER ENGINEERS

Date: 8/8/2018; Author: KK; Project: 152619

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APPENDIX 2A IPAC RESULTS: LITTLE JIMMIE POND–HARWOOD TRACT

IPaC Information for Planning and Consultation **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

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Project information

NAME

Compensatory Mitigation

LOCATION

Kennebec County, Maine

DESCRIPTION

Manchester

Local office

Maine Ecological Services Field Office

(207) 469-7300
(207) 902-1588

MAILING ADDRESS
P. O. Box A
East Orland, ME 04431

PHYSICAL ADDRESS
306 Hatchery Road
East Orland, ME 04431

http://www.fws.gov/mainefieldoffice/index.html

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Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Log in to IPaC.
2. Go to your My Projects list.
3. Click PROJECT HOME for this project.
4. Click REQUEST SPECIES LIST.

Listed species

[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information.
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

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Mammals

NAME	STATUS
Northern Long-eared Bat Myotis septentrionalis No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9045	Threatened

Fishes

NAME	STATUS
Atlantic Salmon Salmo salar There is **final** critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/2097	Endangered

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

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Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php
- Measures for avoiding and minimizing impacts to birds http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php
- Nationwide conservation measures for birds http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

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NAME	BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)
Bald Eagle *Haliaeetus leucocephalus* This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Dec 1 to Aug 31
Black-billed Cuckoo *Coccyzus erythropthalmus* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9399	Breeds May 15 to Oct 10
Bobolink *Dolichonyx oryzivorus* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 20 to Jul 31

Canada Warbler Cardellina canadensis This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 20 to Aug 10
Evening Grosbeak Coccothraustes vespertinus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 15 to Aug 10
Lesser Yellowlegs Tringa flavipes This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9679	Breeds elsewhere
Olive-sided Flycatcher Contopus cooperi This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/3914	Breeds May 20 to Aug 31
Prairie Warbler Dendroica discolor This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 1 to Jul 31
Semipalmated Sandpiper Calidris pusilla This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds elsewhere
Wood Thrush Hylocichla mustelina This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Aug 31

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Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season ( )
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

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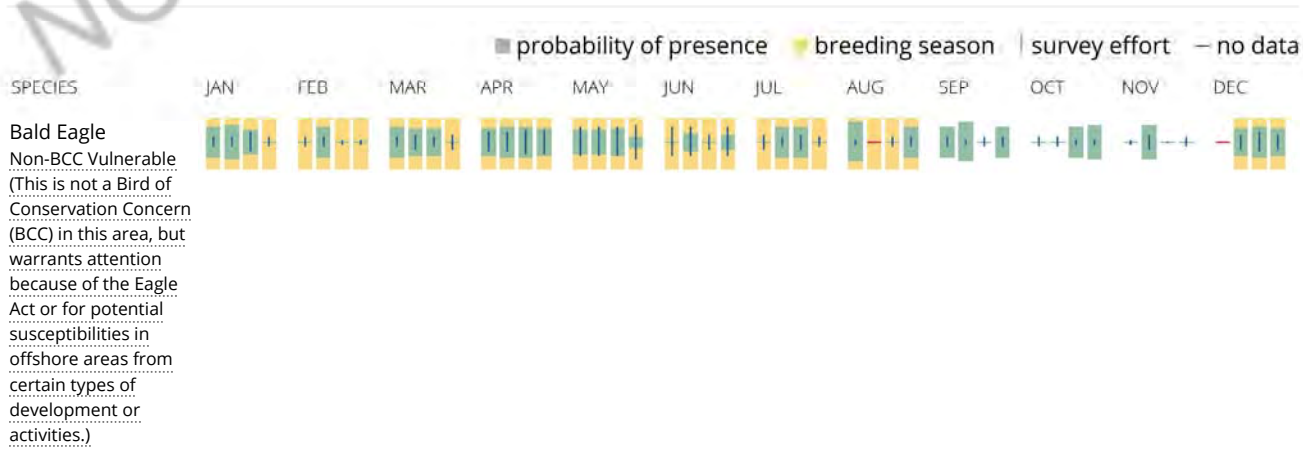
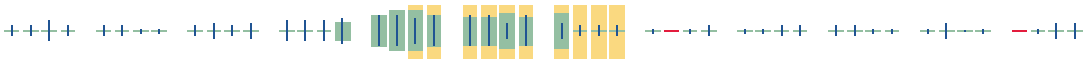


Black-billed Cuckoo
BCC Rangewide (CON)
(This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)

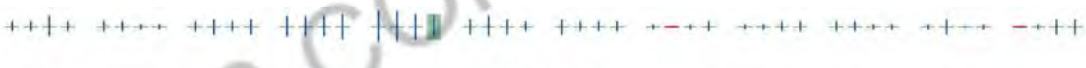
Bobolink
BCC Rangewide (CON)
(This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Canada Warbler
BCC Rangewide (CON)
(This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)

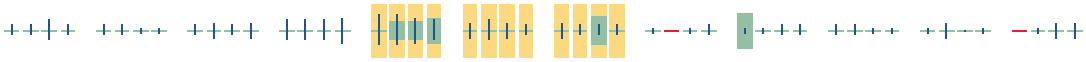
Evening Grosbeak
BCC Rangewide (CON)
(This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)

Lesser Yellowlegs
BCC Rangewide (CON)
(This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Olive-sided Flycatcher
BCC Rangewide (CON)
(This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)

Prairie Warbler
BCC Rangewide (CON)
(This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



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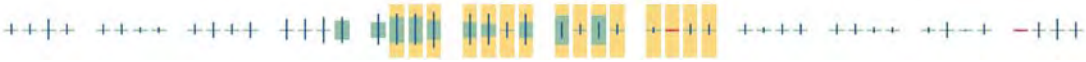
Semipalmated Sandpiper
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)

Wood Thrush
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures and/or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the E-bird Explore Data Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets .

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

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To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: The Cornell Lab of Ornithology All About Birds Bird Guide, or (if you are unsuccessful in locating the bird of interest there), the Cornell Lab of Ornithology Neotropical Birds guide. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ “What does IPaC use to generate the migratory birds potentially occurring in my specified location”. Please be aware this report provides the “probability of presence” of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the “no data” indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in

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knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

FRESHWATER EMERGENT WETLAND

- PEM1E

FRESHWATER FORESTED/SHRUB WETLAND

- PFO4E
- PFO4/1B
- PSS1E
- PFO1E
- PFO4/1E

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FRESHWATER POND

PUBHh

LAKE

L1UBH

RIVERINE

R2UBH

A full description for each wetland code can be found at the National Wetlands Inventory website

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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APPENDIX 2B VEGETATION LIST: LITTLE JIMMIE POND–HARWOOD TRACT

SCIENTIFIC NAME	COMMON NAME	FAMILY	WETLAND PLANT INDICATOR RATING [1, 2]
Abies balsamea	Balsam Fir	Pinaceae	FAC
Acer pennsylvanicum	Striped Maple	Aceraceae	FACU
Acer rubrum	Red Maple	Aceraceae	FAC
Alnus incana ssp. *rugosa*	Speckled Alder	Betulaceae	FACW
Aralia nudicaulis	Sarsaparilla	Araliaceae	FACU
Betula alleghaniensis	Yellow Birch	Betulaceae	FAC
Betula papyrifera	Paper Birch	Betulaceae	FACU
Betula populifolia	Gray Birch	Betulaceae	FAC
Calamagrostis canadensis	Bluejoint	Poaceae	OBL
Carex canescens	Silvery Sedge	Cyperaceae	OBL
Carex crinita	Fringed Sedge	Cyperaceae	OBL
Carex flava	Yellow Sedge	Cyperaceae	OBL
Carex intumescens	Bladder Sedge	Cyperaceae	FACW
Carex stricta	Tussock Sedge	Cyperaceae	OBL
Carex tribuloides	Blunt Broom Sedge	Cyperaceae	FACW
Carex trisperma	Three-seeded Sedge	Cyperaceae	OBL
Carpinus carolinianus	Ironwood	Betulaceae	FAC
Coptis trifolia	Three-Leaf Goldthread	Ranunculaceae	FACW
Dendrolycopodium dendroideum	Prickly Club-Moss	Lycopodiaceae	FACU
Dryopteris intermedia	Evergreen Wood Fern	Dryopteridaceae	FAC
Eleocharis erythropoda	Red-Footed Spike sedge	Cyperaceae	OBL
Equisetum fluviatile	Water Horsetail	Equisetaceae	OBL
Equisetum sylvaticum	Woodland Horsetail	Equisetaceae	FACW
Fagus grandifolia	American Beech	Fagaceae	FACU
Fraxinus americana	White Ash	Oleaceae	FACU
Fraxinus pennsylvanica	Green Ash	Oleaceae	FACW
Galium asprellum	Rough Bedstraw	Rubiaceae	OBL
Galium palustris	Marsh Bedstraw	Rubiaceae	OBL
Glyceria striata	Fowl Manna Grass	Poaceae	OBL
Hamamelis virginiana	American Witch-Hazel	Hamamelidaceae	FACU
Ilex verticillata	Common Winterberry	Aquifoliaceae	FACW
Impatiens capensis	Jewelweed	Balsaminaceae	FACW
Iris versicolor	Blue-Flag Iris	Iridaceae	OBL
Juncus effusus	Common Soft Rush	Juncaceae	OBL
Lemna minor	Common Duckweed	Lemnaceae	OBL
Lysimachia borealis	Starflower	Myrsinaceae	FAC

SCIENTIFIC NAME	COMMON NAME	FAMILY	WETLAND PLANT INDICATOR RATING [1, 2]
Maianthemum canadense	Canada Mayflower	Ruscaceae	FACU
Medeola virginiana	Indian Cucumber-Root	Liliaceae	FACU
Onoclea sensibilis	Sensitive Fern	Onocleaceae	FACW
Osmunda claytonia	Interrupted Fern	Osmundaceae	FAC
Osmunda regalis var. *spectabilis*	Royal Fern	Osmundaceae	OBL
Osmundastrum cinnamomeum	Cinnamon Fern	Osmundaceae	FACW
Oxalis montana	Northern Wood Sorrel	Oxalidaceae	FACU
Parathelypteris novaboracenis	New York Fern	Thelypteridaceae	FAC
Picea mariana	Black Spruce	Pinaceae	FACW
Pinus strobus	Eastern White Pine	Pinaceae	FACU
Pteridium aquilinum	Bracken Fern	Dennstaeditaceae	FACU
Quercus rubra	Red Oak	Fagaceae	FACU
Rhododendron groenlandicum	Labrador Tea	Ericaceae	OBL
Rubus pubescens	Dwarf Red Raspberry	Rosaceae	FACW
Salix nigra	Black Willow	Salicaceae	OBL
Scirpus cyperinus	Common Woolsedge	Cyperaceae	OBL
Sparganium sp.	Bur-reed	Typhaceae	OBL
Spiraea alba var. *latifolia*	Meadowsweet	Rosaceae	FACW
Spiraea tomentosa	Steeplebush	Rosaceae	FACW
Streptopus lanceolatus	Rose Twisted Stalk	Liliaceae	FACU
Symphyotrichum sp.	American Aster	Asteraceae	N/A
Thelypteris palustris	Marsh Fern	Thelypteridaceae	FACW
Tsuga canadensis	Eastern Hemlock	Pinaceae	FACU
Toxicodendron radicans ssp. *radicans*	Poison-Ivy	Anacardiaceae	FAC
Ulmus americana	American Elm	Ulmaceae	FACW
Viburnum dentatum	Smooth Arrowwood	Adoxaceae	FAC
Viburnum lantanoides	Hobblebush	Adoxaceae	FACU
Viola sp.	Violet	Violaceae	N/A
INDICATOR STATUS	OCCURRENCE IN WETLANDS (% per Reed, 1998)		
Obligate (OBL)	Almost always occurs in wetlands under natural conditions (99%)		
Facultative Wetland (FACW)	Usually in wetlands, occasionally found in non-wetlands (67- 99%)		
Facultative (FAC)	Equally likely to occur in wetlands and non-wetlands. (33-67%)		
Facultative Upland (FACU)	Usually in non-wetlands, occasionally found in wetlands (1-33%)		
Upland (UPL)	Almost always in non-wetlands under natural conditions (1%)		

[1] Lichvar, R.W., D.L. Banks, W.N. Kirchner, and N.C. Melvin. 2016. *The National Wetland Plant List*: 2016 wetland ratings. Phytoneuron 2016-30: 1-17.USACE National Wetland Plant List. Web.20 June 2018.

[2] Lichvar, R.W., N.C. Melvin, M.L. Butterwick, and W.N. Kirchner. 2012. National Wetland Plant List Indicator Rating Definitions. ERDC/CRREL TN-12-1, USACE Research and Development Center Cold Regions Research and Engineering Laboratory, Hanover, NH. Available at https://www.fws.gov/wetlands/documents/national-wetland-plant-list-indicator-rating-definitions.pdf [Verified 20 June 2018]
*Reed, P. B., Jr. 1988. *National List of Plant Species that Occur in Wetlands.* Washington, DC, USFWS.

3.0 FLAGSTAFF LAKE TRACT

3.1 Site Location Information

Municipalities: Carrying Place and Dead River Townships **County:** Somerset

Biophysical Region: Western Mountains

Watershed (HUC 12): West Carry Pond-Flagstaff Lake (010300020304)

NECEC Components within HUC 8 (01030000) Watershed: HVDC, New ROW

Closest NECEC Component: HVDC, Existing Right of Way

Coordinates of Site Centroid (Lat/Long WGS 84): 45°11'11.48"N, 70°9'42.41"W

3.2 Natural Resource Inventory Summary (quantities are +/-):

Total Site Area .....831.39 acres

NWI Palustrine Wetland Area.....82.48 acres

Delineated and GPS-surveyed Palustrine Wetland Area….....423.96 acres

NHD Rivers and Streams.....10,580 feet (2.00 miles)

Delineated and GPS-surveyed Rivers and Streams..... .....10,790 feet (2.04 miles)

Upland Area..... 407.43 acres

Inland Wading Bird and Waterfowl Habitat (High Value) ……. 28.88 acres

Significant Vernal Pools……... None

Non-Significant Vernal Pool Types…… 4 medium value VPs; 3 medium value, 4 medium/low value and 2 low value CVPs; 39 PVPs (hundreds in skidder ruts not GPS-surveyed)

Vernal Pool Critical Terrestrial Habitat……..... 232.28 acres

3.3 Site Description

The approximately 831.39-acre Flagstaff Lake Tract (hereafter "FLT" or "the Tract") is located along approximately 8.5 miles of the east shore of Flagstaff Lake (Photo 3.1) where the boundary corresponds to the 1,050 feet mean sea level (MSL) topographic contour. The east boundary is the paved, Long Falls Dam Road. Most of the Tract occurs in Carrying Place Township; however, the northern tip and west side of the central and southern peninsulas are located in Dead River Township (Figure 3.1).

With the exception of a shore side, seasonal cabin located where the shoreline is closest to Long Falls Dam Road (Photo 3.2) and the Maine Huts & Trail (MHT) lodge on the central peninsula that supports and lodges hikers over the approximately 3.0-mile MHT network crossing the property, the Tract is essentially undeveloped. FLT lies between, and therefore links, the Maine Bureau of Parks and Land (MBPL) 854-acre Dead River Peninsula property with its public boat ramp on the north and 3,600 acres of public land making up the Bigelow Preserve on the south and the opposite shore of Flagstaff Lake. The

view focal point from the Tract is Bigelow Mountain (elevation of 4,150 feet), which is designated as a National Natural Landmark by the United States Department of Interior.

3.4 Surrounding Land Use, Protected Open Space and Focus Areas

FLT is displayed on Figure 3.2, MLUPC's Land Use Guidance Map for Carrying Place Town Twp. (T2 R3 BKP WKR). Most of FLT is designated as the Management Subdistrict General (M-GN). In addition, the following Protection Subdistricts occur at FLT:

- P-AL – Accessible Lake
- P-GP – Great Pond
- P-SL1 – Shoreland Areas within 250 feet of the normal high-water mark
- P-SL2 – Shoreland Areas within 75 feet of the normal high-water mark
- P-UA – Unusual Area
- P-WL2 – scrub shrub and other nonforested wetlands
- P-WL3 – forested wetlands (excluding those covered under PWL-1, PWL-2)

Although not subject to formal protective instruments, FLT lies wholly within the 50,000 acre Bigelow Mountain-Flagstaff Lake-North Branch Dead River Focus Area of Statewide Ecological Significance (https://www.maine.gov/dacf/mnap/focusarea/bigelow_mountain_focus_area.pdf) as identified by MNAP, MDIFW, MDMR, USFWS, TNC, Maine Audubon, and the Maine Coast Heritage Trust. This classification is based on the abundance of recreational opportunities, natural features and landscapes of exceptional ecological value.

Historical significance on and around FLT include The Great Carrying Place, Benedict Arnold's expedition portage route from The Kennebec, through East, Middle, and West Carry Ponds to Flagstaff Lake. This trail was made and used by Native Americans thousands of years before the 1775 expedition led by Arnold. Early in the Revolutionary War his 1,100-man army carried boats weighing hundreds of pounds along with food and supplies over this portage for an ill-fated sneak attack on Quebec. The trail adds uniqueness and historic value to the already existing beauty of the Flagstaff Lake region (http://matlt.org/hike/arnold-expedition-appalachian-trail-hike).

3.5 Wildlife Use

Wildlife usage and habitat evaluations on FLT were conducted based on field surveys, aerial photograph interpretation of landscape and terrain, and research of IPaC results from the USFWS for endangered species, critical habitat, migratory birds, and fisheries (Appendix 3A). FLT's size and wide variety of habitat makes it an ideal home for many species of fauna to thrive. The tract contains an abundance of mixed coniferous-deciduous forest suitable for many mammals, birds, and amphibians. FLT provides numerous palustrine wetland habitats including forested (PFO), emergent (PEM), and scrub-shrub (PSS) wetlands, intermittent and perennial streams flowing to Flagstaff Lake, as well as the Lake itself. As mentioned above, the entirety of FLT is within the Bigelow Mountain-Flagstaff Lake-North Branch Dead River Focus Area, an acclaimed recreational destination that encompasses a wide range of natural features and exceptional ecological value.

Rare animals within the Bigelow Mountain-Flagstaff Lake-North Branch Dead River Focus Area likely to be found on FLT include: bald eagle (*Haliaeetus leucocephalus*), the mussel commonly known as creeper (*Strophitus undulates*), and Canada lynx (*Lynx canadensis*) (BWH 2018b). FLT is an attractive site for a variety other of mammals including, but not limited to: beaver (*Castor canadensis*), white-tailed deer (*Odocoileus virginianus*), moose (*Alces alces*), black bear (*Ursus americanus*), red fox (*Vulpes vulpes*), Eastern gray squirrel (*Sciurus carolinensis*) and red squirrel (*Sciurus vulgaris*). Coyote (*Canis latrans*), mink (*Neovison vison*), river otter (*Lontar canadensis*), fisher (*Pekania pennanti*) and pine marten (*Martes americana)* are other furbearers that inhabit or traverse the Tract.

Several Birds of Conservation Concern (BCC) listed in the IPaC report are present in and around FLT; these BCCs are the Canada warbler (*Cardellina canadensis*), the Cape May warbler (*Setophaga tigrina*), evening grosbeak (*Coccothraustes vespertinus*), olive-sided flycatcher (*Contopus cooperi*), rusty blackbird (*Euphagus carolinus*), wood thrush (*Hylocichla mustelina*) and peregrine falcon (*Falco peregrinus*). FLT is an ideal habitat area for bald eagles (*Haliaeetus leucocephalus*) with an abundance of food sources in Flagstaff Lake and tall trees for perching and nesting. The Tract contains a 35-acre high value IWWH (ID UMO-9951) comprised of scrub-shrub and emergent sedge wetlands with several beaver dams creating open water areas. In addition, the IWWH is also a highly productive habitat for other species of birds as well as mammals, fish, and amphibians.

Several other bird species were observed on the Tract during field surveys including common raven (*Corvus corax*), black-capped chickadee (*Poecile atricapillus*), American woodcock (*Scolopax minor*), and wild turkey (*Meleagris gallopavo*). Common loons (*Gavia immer*) were observed swimming and fishing near the shore of Flagstaff Lake and a constructed, protective loon nesting raft was found washed ashore near the tip of the northernmost peninsula on the southern third of the Tract. Previously logged areas are abundant with red and black raspberry (*Rubus* spp.) and low bush blueberry *(Vaccinium angustifolium*) providing soft mast for many passerine bird species and mammals.

A variety of amphibian species inhabit FLT wetlands. During field surveys, adult and juvenile American toads (*Anaxyrus americanus*), green frogs (*Lithobates clamitans*), and wood frogs (*Lithobates sylvaticus*) were observed. Spotted salamander (*Ambystoma maculatum*) egg masses were observed throughout the Tract, generally in hundreds of man-made pools such as skidder ruts and borrow pits (identified as CVPs 9 of which are of medium to low value). Four, medium values natural vernal pools (VP) and at least 39 potential vernal pools (PVP) with and without wood frog and salamander egg masses were found on the Tract.

3.6 Vegetation

The Tract consists of a variety of vegetative communities which provide different cover types, habitat characteristics, and ecological functions. The property is primarily composed of forest, portions of which include mature mixed coniferous-deciduous forests and early successional forest regeneration. There are also large areas of scrub-shrub swamps, emergent marshes, and beaver-impounded open water areas.

Wetlands and uplands were identified in the mixed coniferous-deciduous forests on the Tract, and their natural community types were identified as evergreen seepage forest, spruce-fir wet flats, and low elevation spruce-fir forest respectively. Dominant tree species in the evergreen seepage forests are northern white cedar (*Thuja occidentalis*) with occasional frequency of red spruce (*Picea rubens*). Common understory species include goldthread (*Coptis trifolia*), bunchberry (*Chamaepericlymenum*

canadense), and twinflower (*Linnaea borealis*). Dominant tree species in the spruce-fir wet flats are balsam fir (*Abies balsamea*) and red spruce with the occasional frequency of red maple (*Acer rubrum*) and yellow birch (*Betula alleghaniensis*). Common understory plants found are cinnamon fern (*Osmundastrum cinnamomeum*), three-seeded sedge (*Carex trisperma*), bunchberry, and Canada mayflower (*Maianthemum canadense*). Common bryophytes are *Sphagnum* mosses. Dominant tree species in the upland forest are balsam fir, red spruce, and eastern white pine (*Pinus strobus*). The shrub stratum contains saplings of the above mentioned tree species and dwarf shrub low-bush blueberry (*Vaccinium angustifolium*).

Early successional forest regeneration on site corresponds with impacts related to historic commercial timber harvest. Often these impacted areas include dense regeneration stands of balsam fir, red spruce, quaking aspen (*Populus tremuloides*), red maple, and paper birch (*Betula papyrifera*) with occasional residual overstory. The shrub layer in this system is dominated by the above mentioned tree saplings and includes sporadic populations of striped maple (*Acer pennsylvanicum)*. The herbaceous stratum in this zone is dominated by red raspberry (*Rubus idaeus*), an opportunistic species quick to colonize after disturbance, nodding sedge (*Carex gynandra*) (typically more abundant in the pooled-up water areas associated with skidder ruts), and bracken fern (*Pteridium aquilinum*).

Scrub-shrub swamps (PSS) on the property are associated with stream banks and the shoreline of the lake, typically most abundant where these two types of systems converge. Dominant woody species include speckled alder (*Alnus incana* ssp. *rugosa*) and meadowsweet (*Spiraea alba* var. *latifolia*), as well as balsam fir, northern white cedar and red maple saplings. Dominant woody vegetation along the shoreline of the lake includes speckled alder, meadowsweet, and sweet gale (*Myrica gale*). Dominant understory plants include sensitive fern (*Onoclea sensibilis*), Canada mayflower, tall meadow-rue (*Thalictrum pubescens*), swamp dewberry (*Rubus hispidus*), and violets (*Viola* spp.).

At several locations throughout this property are open-water beaver impounded areas. As a result of the hydrologic modification from the beaver activity, standing dead red spruce and northern white cedar snags occupy the flooded area. On the periphery of the open water, speckled alder is the dominant shrub. Emergent vegetation includes a suite of sedges (*Carex* spp.), bulrushes (*Scirpus* spp.), and other graminoids.

3.7 Wetland Characteristics, Functions and Values

Adjoining the approximately 32-square-mile Flagstaff Lake (L1UB), approximately 424 acres (51%) of the 831.39-acre FLT were identified as palustrine wetland during field surveys (Figure 3.3). The primary wetland type on this Tract is palustrine forested (PFO) with a mix of evergreen (4) and deciduous vegetation (1) (Photo 3.3). Variations of forested wetland occur across FLT such as ones dominated by dead snags (PFO5) readily conspicuous along Lower Falls Dam Road to the north of Pond Stream and in large areas impounded by beaver dams (Photo 3.4). PFO also occurs as discrete relatively undisturbed stands in areas selectively harvested for timber resulting in localized ponding of water and establishment of associated herbaceous emergent dominated (PEM) wetlands (Photo 3.5). The second most abundant wetland type at FLT is palustrine scrub-shrub (PSS1) and occurs in areas regenerating from timber harvesting, beaver flowages and along the lake edge and riparian areas (Photo 3.6).

The third most abundant wetland type at FLT are differing forms of PEM which, as previously noted, occur in localized areas harvested for timber around ponded skidder ruts as well as in less disturbed settings (Photo 3.7). The PEM dominated wetland along an unnamed stream south of Pond Stream (Photo 3.8) is also the primary reason this wetland is designated as a high value IWWH (Figure 3.3) by MDIFW.

Presence of emergent wetland also contributes to vegetative diversity in the widespread, smaller scale vernal pools (Photo 3.9) and in the hundreds of PVPs, CVPs or ABAs associated with skidder ruts.

Mineral soils at FLT are generally derived from dense lodgment or basal till parent material, however as displayed in eroding bluffs along segments of the east shore of Flagstaff Lake, well sorted fine sands suggest there are localized areas of the Tract where soils originate from a cap of eolian sediments most likely wind deposited after glacial retreat and prior to establishment of vegetation. Organic soils originated from accumulation of vegetation in water such as along the major stream courses and in larger, somewhat isolated wetlands such as the PFO that dominates the south side of FLT's central peninsula.

As mapped by the USDA NRCS on Web Soil Survey, approximately 25 to 29 percent or between 205 to 240 acres of FLT is underlain by poorly drained (PD), or very poorly drained (VPD) hydric soils that are characteristic of wetlands. Map Unit Name and Symbols for hydric soils at FLT include:

- Bucksport and Wonsqueak mucks (WO) – VPD organic soils derived from vegetation deposited in water.
- Pillsbury-Peacham association (PPB) – PD fine to coarse loams derived from lodgment till.

Bucksport and Wonsqueak mucks are the hydric soils mapped to be most extensive and predominantly occur along the main drainages of the site (e.g., Pond Stream and Jerome Brook).

The sensitively sited, well maintained and highly used Maine Huts and Trails network enables all wetland types on FLT and their related functions and values to be observed and enjoyed by the public (Photo 3.10).

TABLE 3-1 SUMMARY OF FUNCTIONS AND VALUES OF WETLANDS ON THE 831.39-ACRE FLAGSTAFF LAKE TRACT

FUNCTION/VALUE	EXPLANATION
Groundwater Recharge/Discharge (GW)	Although there are no MGS mapped sand and gravel aquifers on FLT proper, an esker at the south end of the Lake is identified as a Significant Sand and Gravel Aquifer (MGS OF No. 01-132). Being part of the surface hydrologic system, wetlands on FLT draining into the Lake therefore recharge this down gradient aquifer.
Flood flow Alteration (FF)	Dead River and Carrying Place Twps are designated as "no data/No Specific Flood Hazard Area" (USGS OF Rpt 2006-1100), however water levels along the Dead River are actively managed at the Long Falls Dam outlet of Flagstaff Lake by Brookfield Renewable Energy. In relation to these fluctuating water levels, a principal function of wetlands on the Flagstaff Lake parcel that are along and hydrologically connected to the Flagstaff Lake is Floodflow Alteration.
Fish and Shellfish Habitat (FH)	Landlocked salmon, brook trout, yellow perch, chain pickerel and an assortment of baitfish inhabit Flagstaff Land and although marginal for cold water gamefish (MDIFW 1988) in 2017 it was stocked with approximately 3,400, 7- to 8-inch landlocked salmon and brook trout to support the Lake fishery for recreational anglers (MDIFW 2018). Freshwater mussels observed downstream along muddy shorelines of the Dead River are also likely to inhabit similar substrate in Flagstaff Lake.
Production Export (PE)	As evidenced by browse, droppings and other sign, woody vegetation in FLT wetlands is a fundamental food source for all herbivorous and omnivorous wildlife inhabiting the Tract. Seeds, roots and stems from herbaceous vegetation in not only PEM but PSS and PFO wetlands on FLT are also food sources for not only mammals, but the wide variety of birds, amphibians, reptiles, fish and insects that inhabit or traverse the Tract.
Sediment/Toxicant/ Pathogen Retention (STPR)	Micro-topography as well as woody and herbaceous vegetation throughout FLT wetlands physically slow surface water transport and retain these degraders of water quality to Flagstaff Lake as well as lesser tributaries. Sediments/toxicants/pathogens trapped with accumulation of vegetative remains as peat or other forms of hydric soils is another form of FLT wetlands protecting water quality of tributary streams and Flagstaff Lake.
Nutrient Removal (NR)	Micro-topography as well as woody and herbaceous vegetation throughout FLT wetlands slow surface water transport of phosphorus adhering to sediment protecting Flagstaff Lake as well as lesser tributaries from eutrophication water quality degradation . Direct uptake of nutrients by wetland vegetation and subsequent accumulation of dead vegetation in organic soils and peat is another pathway of FLT wetlands protecting water quality.
Sediment/Shoreline Stabilization (SS)	Due to the large westward fetch of Flagstaff Lake, lacustrine and palustrine vegetated wetlands aligned along the east shore of the lake buffer and protect the adjoining shoreline from prevailing wind generated waves. Palustrine wetlands along named as well as unnamed streams crossing FLT also stabilize adjoining upland and uplands thereby limiting and protecting lake degradation.
Wildlife Habitat (WH)	In addition to direct observation as well as tracks, droppings and other sign, moose, bear, deer, beaver, otter, mink and other smaller mammals are abundant on FLT that is further enhanced by the presence of a high rated IWWH (ID UMO-9951) near the center (Photo 3.8) of the Tracts. As described in detail above, FLT provides high quality habitat for a wide variety of raptors, waterfowl, gamebirds, passerines songbirds, amphibians, reptiles and insects.
Educational/ Scientific Value (ED)	FLT recognized for its research and educational opportunities as an integral component of the Bigelow Mountain-Flagstaff Lake-North Branch Dead River Focus Area of Statewide Ecological Significance (https://www.maine.gov/dacf/mnap/focusarea/bigelow_mountain_focus_area.pdf) including being crossed by a segment of the Great Carrying Place/Arnold's Trail.
Recreation (REC)	FLT is at the crossroads of the MHT, Appalachian and Northern Forest Canoe Trail network traveled by day, and through hikers and is also used for camping, cross country skiing and snowshoeing (Photo 3.10). Fishing and boating are a widely used offering of Flagstaff Lake, and hunting opportunities are also provided by FLT.

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3.8 Compensation

As part of the compensation package for NECEC, the approximately 831.39-acre Flagstaff Lake Tract will be permanently protected by a conservation easement or similar instrument. Preservation of FLT along approximately 8.5 miles of the east shore of Flagstaff Lake will protect a currently unprotected link between the conserved Bigelow Preserve to the south and the Dead River Peninsula to the north (Figure 3.1). In addition, approximately half (424 acres) of FLT is comprised of a diverse mix of wetland types (PFO, PSS, PEM), at the center of which is a 28.88-acre high value IWWH. In addition to the lacustrine shoreline, approximately 10,790 linear feet of named and unnamed perennial and intermittent streams cross the Tract and are tributaries to Flagstaff Lake (Figure 3.3).

Notably, the well sited Maine Huts and Trails facility and a solitary cabin are presently the limit of residential type development at FLT. Considering that most of the Tract is zoned M-GN, with upland chiefly concentrated as sizable islands along the lake shore, FLT is therefore potentially easily accessible for other camp lots from the paved Long Falls Dam Road that forms the eastern boundary. Preservation of FLT will allow for permanent protection from development and will preserve the existing recreational opportunities, wildlife habitat, water quality benefits, vernal pool habitat, and educational opportunities of an integral component of the Bigelow Mountain-Flagstaff Lake-North Branch Dead River Focus Area of Statewide Ecological Significance.

3.9 Photographs

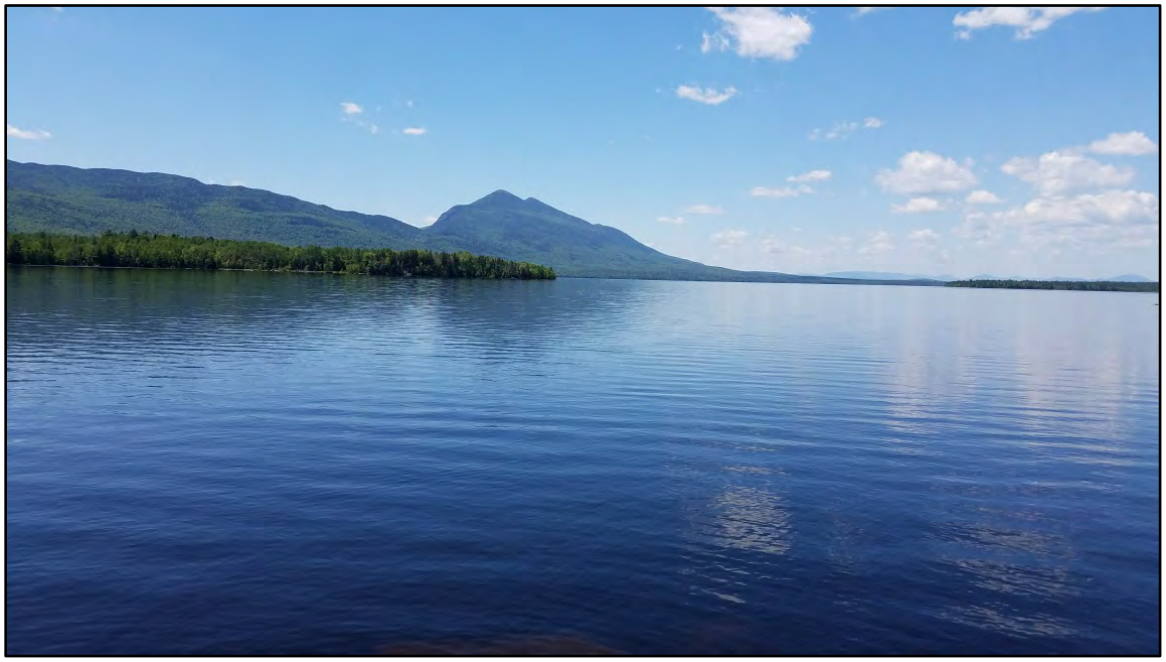

PHOTO 3-1 THE WESTWARD FOCAL POINT FROM FLT ACROSS FLAGSTAFF LAKE IS BIGELOW MOUNTAIN

PHOTO 3-2 THIS PRIVATELY-OWNED CABIN IS LOCATED ABOUT 125 FEET FROM WATER'S EDGE WHERE FLAGSTAFF LAKE IS APPROXIMATELY 450 FEET FROM LONG FALLS DAM ROAD

PHOTO 3-5 SKIDDER RUTS IN LOGGED AREAS COLLECT WATER BECOMING POTENTIAL VERNAL POOL HABITATS AND ALLOW EARLY SUCCESSIONAL REGENERATION

PHOTO 3-6 SCRUB-SHRUB WETLANDS (PSS) OCCUR THROUGHOUT FLT, ESPECIALLY NEAR THE LAKE EDGE AND IN RIPARIAN AREAS

PHOTO 3-3 FORESTED WETLANDS (PFO1/4) OF NORTHERN WHITE CEDAR (*THUJA OCCIDENTALIS*) AND SPHAGNUM MOSSES ARE THE DOMINANT FOREST TYPE ACROSS FLT

PHOTO 3-4 STANDING DEAD SNAGS (PFO5) RESULT FROM A BEAVER FLOWAGE ALONG THE SOUTHERN EDGE OF FLT

PHOTO 3-7 EMERGENT WETLANDS (PEM) HARBOR HIGH GRAMINOID DIVERSITY AND PROVIDE HABITAT FOR A WIDE VARIETY OF WILDLIFE

PHOTO 3-8 PONDED OPEN WATER AREAS WITHIN THE IWWH PROVIDE WILDLIFE HABITAT FOR A VAST RANGE OF WETLAND DEPENDENT BIRDS AND MAMMALS INCLUDING BEAVER

PHOTO 3-9 SPOTTED SALAMANDER EGG MASSES (ARROW) OCCUR IN A VERNAL POOL

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PHOTO 3-10 THE MAINE HUTS AND TRAILS NETWORK TRAVERSES THE FLT AND CONNECTS WITH THE ARNOLD TRAIL, NORTHERN CANOE TRAIL AND THE APPALACHIAN TRAIL

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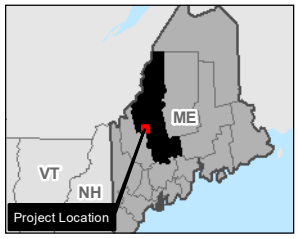

Road
Conserved Lands
Survey Boundary
Approximate Maine Huts and Trails Lease

N
W E
S

SCALE: 1 " = 3,000 '

0 1,500 3,000
Feet

Figure 3.1: Locus
Flagstaff Lake Tract

Somerset County
Maine

Date:8/6/2018
Author: KK
Project: 152619

Central Maine Power

NECEC Compensation Parcels
Natural Resource Survey Results

CENTRAL MAINE POWER
POWER ENGINEERS

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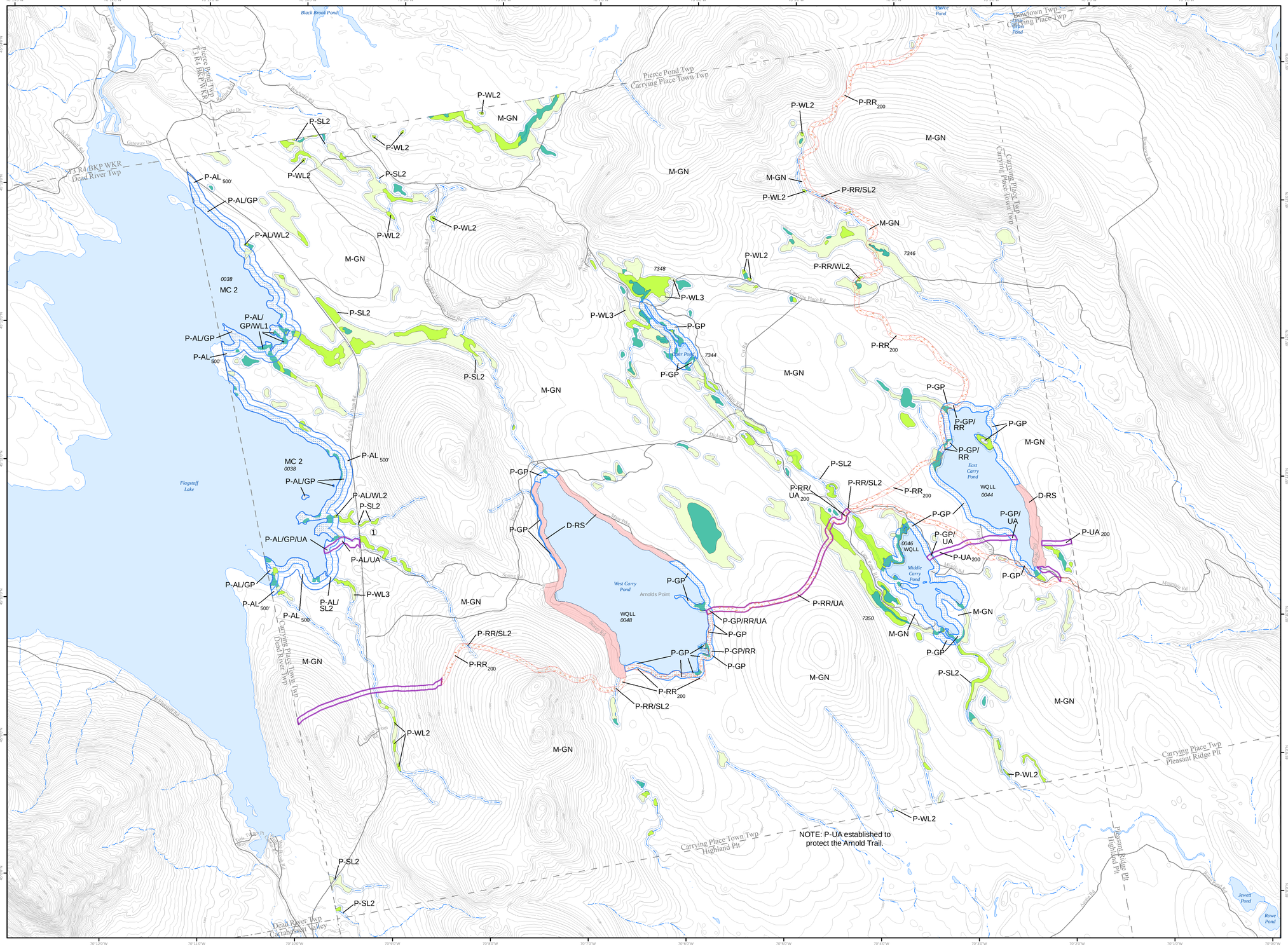
Carrying Place Town Twp.

T2 R3 BKP WKR

Somerset County



Land Use Guidance Map

Department of Agriculture, Conservation and Forestry

Maine Land Use Planning Commission

Legend

DEVELOPMENT SUBDISTRICTS

- D-RS: Residential

MANAGEMENT SUBDISTRICTS

- M-GN: General

PROTECTION SUBDISTRICTS

- P-AL: Accessible Lake
- P-GP: Great Pond
- P-RR200: Recreation - 200'
- P-SL2: Shoreland - 75'
- P-UA: Unusual Area
- P-WL1: Wetlands of Special Significance
- P-WL2: Scrub-shrub Wetlands
- P-WL3: Forested Wetlands

For complete descriptions of those areas included within the various subdistricts, and the associated regulations, refer to the Commission's Chapter 10 rules: Land Use Districts and Standards. Where any inconsistencies exist between the district boundaries, as shown on this map, and those described by the Commission's Land Use Districts and Standards, the latter shall govern.

For simplicity, this map does not show all the Wetland Protection Subdistricts for areas identified pursuant to Section 10.23,N,2 such as the beds of rivers, lakes, and other water bodies, and freshwater wetlands within 25 feet of stream channels. Nevertheless, these areas are within P-WL Subdistricts. In addition, this map does not show the Shoreland Protection Subdistricts along stream channels flowing through wetlands. Nevertheless, these areas are within P-SL2 Protection Subdistricts. If the locations of flowing waters or bodies of standing water existing on the ground differ from those shown on the map, then, pursuant to 12 M.R.S., Section 685-A(2)(G), P-GP, P-RR, P-SL, P-WL, and other subdistrict boundaries that are based upon the location of such waters shall, as appropriate, be deemed to follow the flowing water or body of standing water existing on the ground.

This Land Use Guidance Map was adopted by the Maine Land Use Planning Commission on **08/03/2005**, and became effective on **08/18/2005**.

This map is certified to be a true and correct copy of the Official Land Use Guidance Map of the Maine Land Use Planning Commission.

By: Catherine M Carroll, Director, Maine Land Use Planning Commission.

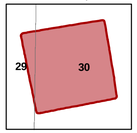
Amendments			
Location #	Zoning Permit	Effective Date	Remarks
1	ZP759	08/18/2005 06/29/2017	Adoption of digital NWI wetlands

0 0.5 1 1.5 2 Miles

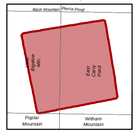
0 1,000 2,000 3,000 4,000 Meters

0 2,000 4,000 6,000 8,000 Feet

DeLorme map locus



USGS 7.5' quad index



(1) Map amendment location

▲ Point at which a river drains 25 square miles - symbol points upstream (12 M.R.S. Sec. 682-B(4))

9999 MIDAS number: Unique number assigned to each standing body of water in Maine.

WQLL Water Quality Limiting Lake - Refer to Section 10.23,E,3,g of the Commission's Land Use Districts and Standards.

MC# Lake Management Classes - Refer to Section 10.02 (Definitions) of the Commission's Land Use Districts and Standards.

SOURCES: Maine Land Use Planning Commission, USGS

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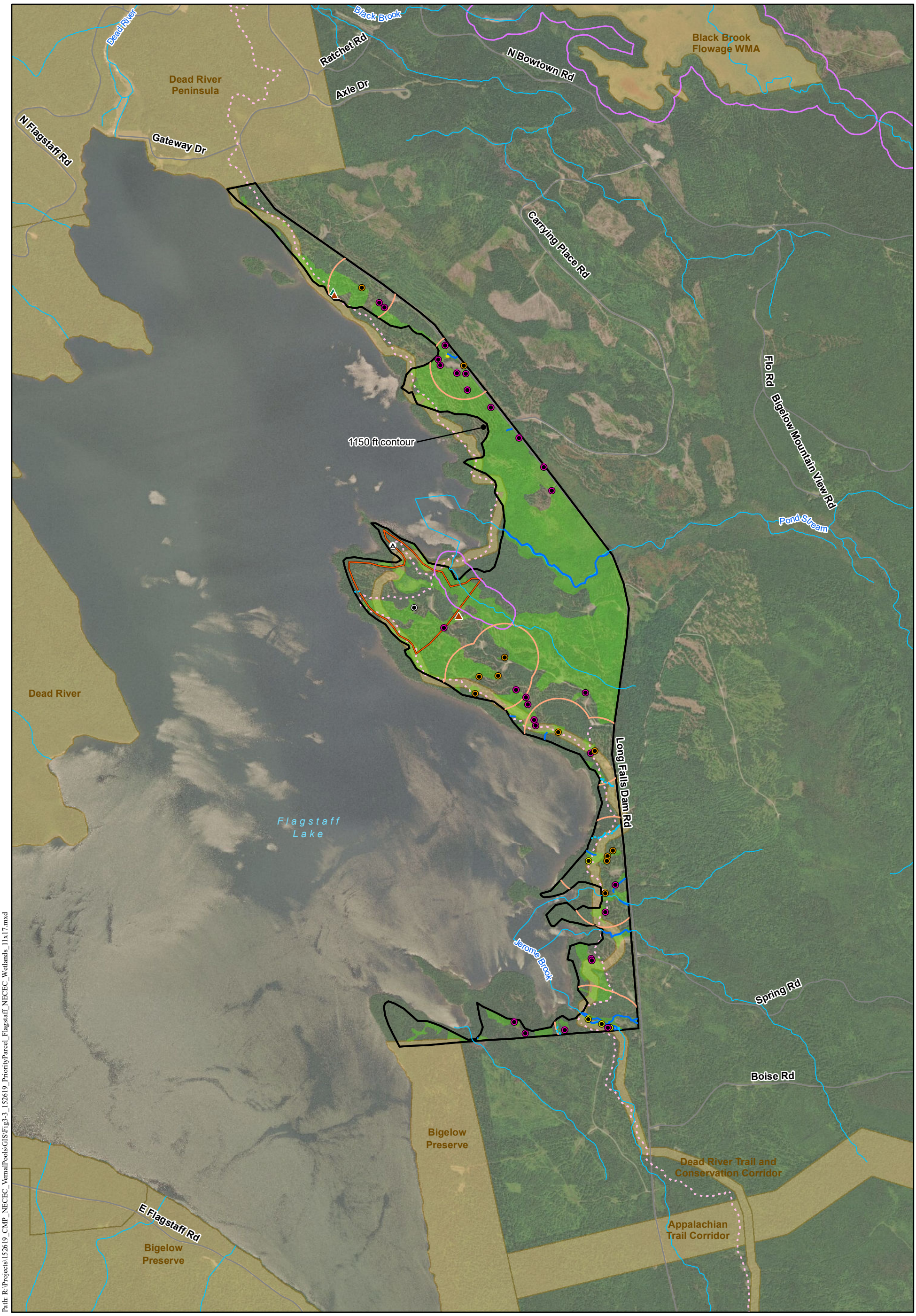

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- Wetland Data Point
- Upland Data Point
- Corps Vernal Pool
- Vernal Pool
- Potential Vernal Pool
- Amphibian Breeding Area
- Stream (NHD)
- Maine Huts & Trails Hut
- Maine Huts & Trails Main Trail
- Delineated Intermittent Stream
- Delineated Perennial Stream
- Road
- Delineated Wetland/ Wetland Island
- Vernal Pool
- Critical Terrestrial Habitat (750')
- Inland Waterfowl and Wading Bird Habitat
- Conservation Land
- Survey Area
- Approximate Maine Huts and Trails Lease

1 " = 2,000 '

0 1,000 2,000

Feet

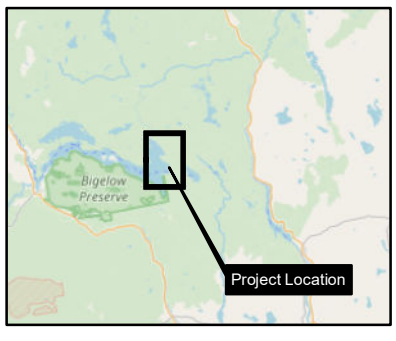

Figure 3.3: Natural Resources Flagstaff Lake Tract

Somerset County Maine

NAD 1983 HARN StatePlane Maine West FIPS 1802 Feet Foot US
Transverse Mercator
North American 1983 HARN

Date: 8/6/2018
Author: KK
PEI: 152619

Central Maine Power

NECEC Compensation Parcels
Natural Resource Survey Results

CENTRAL MAINE POWER

POWER ENGINEERS

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APPENDIX 3A IPAC RESULTS: FLAGSTAFF TRACT

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

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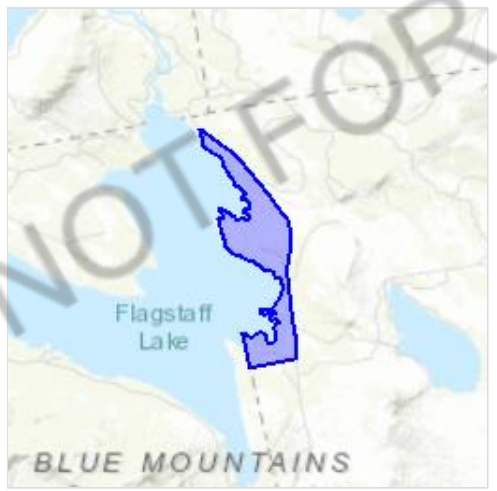
Project information

NAME

Compensatory Mitigation

LOCATION

Somerset County, Maine



DESCRIPTION

FLT

Local office

Maine Ecological Services Field Office

(207) 469-7300
(207) 902-1588

MAILING ADDRESS
P. O. Box A
East Orland, ME 04431

PHYSICAL ADDRESS
306 Hatchery Road
East Orland, ME 04431

http://www.fws.gov/mainefieldoffice/index.html

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Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Log in to IPaC.
2. Go to your My Projects list.
3. Click PROJECT HOME for this project.
4. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

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1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information.
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS

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Canada Lynx Lynx canadensis — Threatened

There is **final** critical habitat for this species. Your location is outside the critical habitat.
https://ecos.fws.gov/ecp/species/3652

Northern Long-eared Bat Myotis septentrionalis — Threatened

No critical habitat has been designated for this species.
https://ecos.fws.gov/ecp/species/9045

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php
- Measures for avoiding and minimizing impacts to birds http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php
- Nationwide conservation measures for birds http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the

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Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)
Bald Eagle Haliaeetus leucocephalus This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Dec 1 to Aug 31
Canada Warbler Cardellina canadensis This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 20 to Aug 10
Cape May Warbler Setophaga tigrina This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Jun 1 to Jul 31
Evening Grosbeak Coccothraustes vespertinus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 15 to Aug 10
Olive-sided Flycatcher Contopus cooperi This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/3914	Breeds May 20 to Aug 31

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Rusty Blackbird *Euphagus carolinus* — Breeds May 10 to Jul 20
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Wood Thrush *Hylocichla mustelina* — Breeds May 10 to Aug 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

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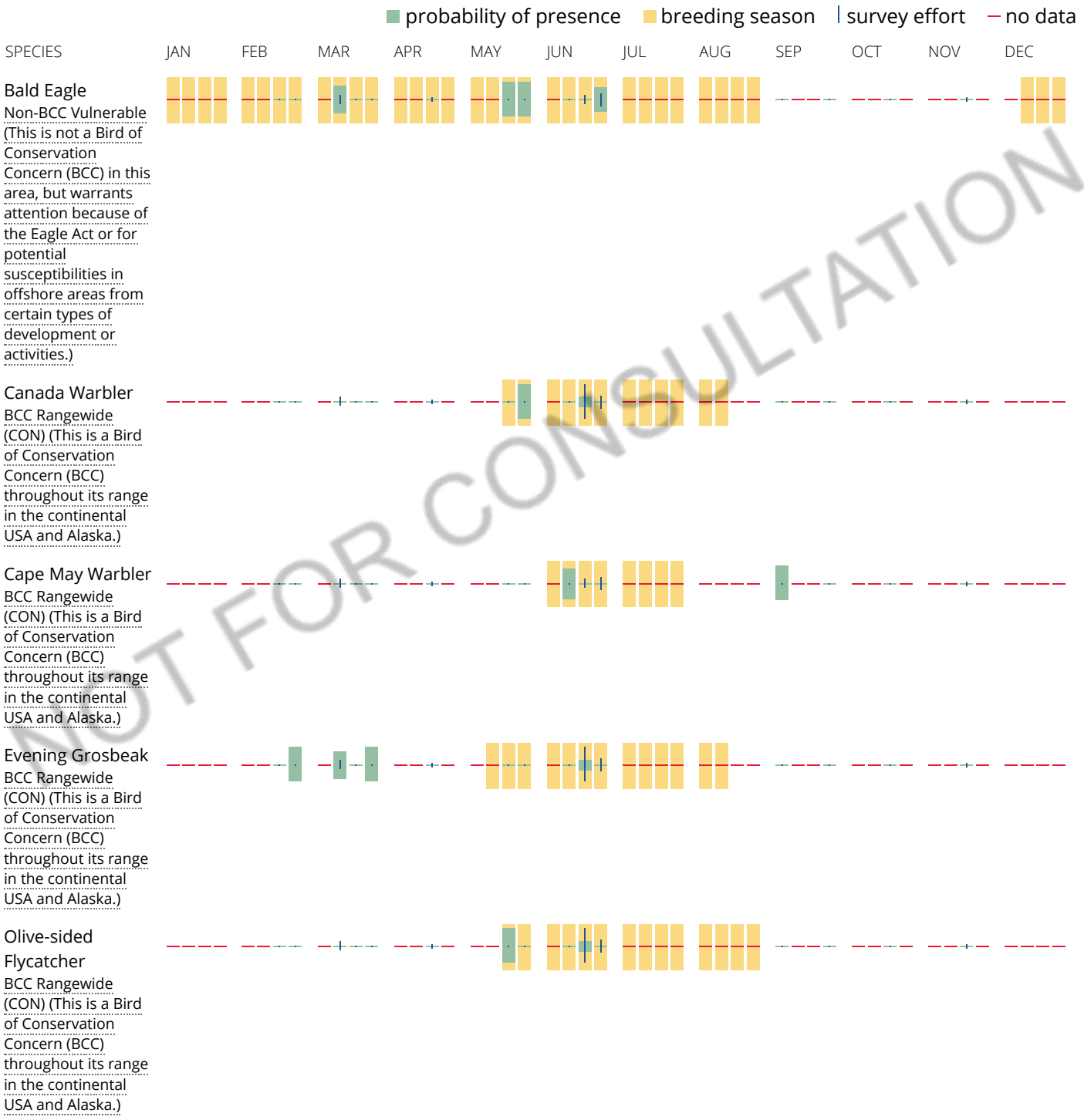
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



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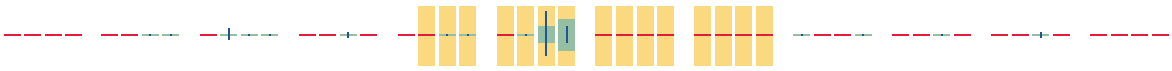
Rusty Blackbird
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)

Wood Thrush
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures and/or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the E-bird Explore Data Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets .

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: The Cornell Lab of Ornithology All About Birds Bird Guide, or (if you are unsuccessful in locating the bird of interest there), the Cornell Lab of Ornithology Neotropical Birds

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guide. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ “What does IPaC use to generate the migratory birds potentially occurring in my specified location”. Please be aware this report provides the “probability of presence” of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the “no data” indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize

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potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

FRESHWATER EMERGENT WETLAND

- PEM1Fh
- PEM1Eh
- PEM1Eb
- PEM1E

FRESHWATER FORESTED/SHRUB WETLAND

- PFO4E
- PSS1E
- PSS1Eh

NOT FOR CONSULTATION

PFO5Fb
PSS1Eb
PSS4E
PSS1F

FRESHWATER POND

PUBFb

LAKE

L1UBHh

RIVERINE

R3UBH
R4SBC
R5UBH
R2UBH

A full description for each wetland code can be found at the National Wetlands Inventory website

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

NOT FOR CONSULTATION

APPENDIX 3B VEGETATION LIST: FLAGSTAFF TRACT

SCIENTIFIC NAME	COMMON NAME	FAMILY	WETLAND PLANT INDICATOR RATING [1, 2]
Abies balsamea	Balsam Fir	Pinaceae	FAC
Acataea pachypoda	White Baneberry	Ranunculaceae	FACU
Acer pennsylvanicum	Striped Maple	Sapindaceae	FACU
Acer rubrum	Red Maple	Sapindaceae	FAC
Acer saccharum	Sugar Maple	Sapindaceae	FACU
Alnus incana ssp. *rugosa*	Speckled Alder	Betulaceae	FACW
Anemone quinquefolia	Nightcaps	Ranunculaceae	FACU
Aralia nudicaulis	Wild Sarsaparilla	Araliaceae	FACU
Betula alleghaniensis	Yellow Birch	Betulaceae	FAC
Betula papyifera	White Birch	Betulaceae	FACU
Betula populifolia	Gray Birch	Betulaceae	FAC
Calamagrostis canadensis	Bluejoint	Poaceae	OBL
Carex arctata	Drooping Wood Sedge	Cyperaceae	N/A
Carex brunnescens	Brownish Sedge	Cyperaceae	FACW
Carex crinita	Fringed Sedge	Cyperaceae	OBL
Carex debilis	White Edge Sedge	Cyperaceae	FACW
Carex echinata	Star Sedge	Cyperaceae	OBL
Carex gracillima	Graceful Sedge	Cyperaceae	FACU
Carex gynandra	Nodding Sedge	Cyperaceae	OBL
Carex intumescens	Greater Bladder Sedge	Cyperaceae	FACW
Carex stipata	Stalk-Grain Sedge	Cyperaceae	OBL
Carex stricta	Tussock Sedge	Cyperaceae	OBL
Carex trisperma	Three-Seed Sedge	Cyperaceae	OBL
Chamaedaphne calyculata	Leatherleaf	Ericaceae	OBL
Chamaepericlymenum canadense	Bunchberry	Cornaceae	FAC
Clematis virginiana	Virginia Virgin's-Bower	Ranunculaceae	FAC
Clintonia borealis	Yellow Bluebead Lily	Liliaceae	FAC
Coptis trifolia	Three-Leaf Goldthread	Ranunculaceae	FACW
Cypripedium acaule	Pink Lady's Slipper	Orchidaceae	FACW
Dendrolycopodium dendroideum	Prickley Tree Club Moss	Lycopodiaceae	FACU
Dichanthelium sp.	Rosette Grass	Poaceae	N/A
Dryopteris sp.	Wood Fern	Dryopteridaceae	N/A
Eleocharis acicularis	Needle Spike Rush	Cyperaceae	OBL
Eleocharis palustris	Common Spike Rush	Cyperaceae	OBL
Epigaea repens var. *glabrifolia*	Trailing Arbutus	Ericaceae	N/A

SCIENTIFIC NAME	COMMON NAME	FAMILY	WETLAND PLANT INDICATOR RATING [1, 2]
Equisetum arvense	Field Horsetail	Equisetaceae	FAC
Equisetum sylvaticum	Woodland Horsetail	Equisetaceae	FACW
Fagus grandifolia	American Beech	Fagaceae	FACU
Galium asprellum	Rough Bedstraw	Rubiaceae	OBL
Gaultheria hispidula	Creeping Snowberry	Ericaceae	FACW
Gaultheria procumbens	Eastern Teaberry	Ericaceae	FACU
Gymnocarpium dryopteris	Northern Oak Fern	Woodsiaceae	FACU
Ilex mucronata	Mountain Holly	Aquifoliaceae	OBL
Ilex verticillata	Winterberry	Aquifoliaceae	FACW
Impatiens capensis	Jewelweed	Balsaminaceae	FACW
Iris versicolor	Harlequin Blueflag	Iridaceae	OBL
Juncus effusus	Soft Rush	Juncaceae	OBL
Kalmia angustifolia	Sheep Laurel	Ericaceae	FAC
Larix laricina	American Larch	Pinaceae	FACW
Linnaea borealis	Twinflower	Caprifoliaceae	FAC
Lonicera canadensis	American Honeysuckle	Caprifoliaceae	FACU
Lysimachia borealis	Starflower	Myrsinaceae	FAC
Maianthemum canadense	Canada Mayflower	Ruscaceae	FACU
Medeola virginiana	Indian Cucumber Root	Liliaceae	FACU
Myrica gale	Sweetgale	Myricaceae	OBL
Onoclea sensibilis	Sensitive Fern	Onocleaceae	FACW
Osmunda claytonia	Interrupted Fern	Osmundaceae	FAC
Osmundastrum cinnamomeum	Cinnamon Fern	Osmundaceae	FACW
Oxalis montana	Northern Wood Sorrel	Oxalidaceae	FACU
Parathelypteris novaborecensis	New York Fern	Thelypteridaceae	FAC
Picea rubens	Red Spruce	Pinaceae	FACU
Pinus strobus	Eastern White Pine	Pinaceae	FACU
Populus balsamifera	Balsam Poplar	Salicaceae	FACW
Populus grandidentata	Big-Tooth Aspen	Salicaceae	FACU
Populus tremuloides	Quaking Aspen	Salicaceae	FACU
Pteridium aquilinum	Bracken Fern	Dennstaeditaceae	FACU
Rhododendron canadense	Rhodora	Ericaceae	FACW
Rhododendron groenlandica	Rusty Labrador Tea	Ericaceae	OBL
Ribes glandulosum	Skunk Currant	Grossulariaceae	FACW
Ribes lacustre	Bristly Black Gooseberry	Grossulariaceae	FACW
Rubus hispidus	Bristly Dewberry	Rosaceae	FACW
Rubus idaeus	Red Raspberry	Rosaceae	FACU
Salix spp.	Willow	Salicaceae	N/A
Scirpus cyperinus	Common Woolsedge	Cyperaceae	OBL

SCIENTIFIC NAME	COMMON NAME	FAMILY	WETLAND PLANT INDICATOR RATING [1, 2]
Scirpus microcarpus	Barber Pole Bulrush	Cyperaceae	OBL
Solidago rugosa	Wrinkle Leaf Goldenrod	Asteraceae	FAC
Sorbus americana	American Mountain Ash	Rosaceae	FAC
Spiraea alba var. *latifolia*	Meadowsweet	Rosaceae	FACW
Spiraea tomentosa	Steeplebush	Rosaceae	FACW
Thalictrum pubescens	Tall Meadow Rue	Ranunculaceae	FACW
Thuja occidentalis	Northern White Cedar	Cupressaceae	FACW
Trillium erectum	Stinking Benjamin	Melanthiaceae	FACU
Trillium undulatum	Painted Trillium	Melanthiaceae	FACU
Typha latifolia	Broad Leaved Cattail	Typhaceae	OBL
Vaccinium angustifolium	Lowbush Blueberry	Ericaceae	FACU
Vaccinium corymbosum	Highbush Blueberry	Ericaceae	FACW
Veratrum viride	American False Hellebore	Melanthiaceae	FACW
Viburnum dentatum	Smooth Arrowwood	Adoxaceae	FAC
Viburnum lantanoides	Hobblebush	Adoxaceae	FACU
Viburnum lentago	Nanny-berry	Adoxaceae	FAC
Viola spp.	Violet	Violaceae	N/A
INDICATOR STATUS	OCCURRENCE IN WETLANDS (% per Reed, 1998)		
Obligate (OBL)	Almost always occurs in wetlands under natural conditions (99%)		
Facultative Wetland (FACW)	Usually in wetlands, occasionally found in non-wetlands (67- 99%)		
Facultative (FAC)	Equally likely to occur in wetlands and non-wetlands. (33-67%)		
Facultative Upland (FACU)	Usually in non-wetlands, occasionally found in wetlands (1-33%)		
Upland (UPL)	Almost always in non-wetlands under natural conditions (1%)		

[1] Lichvar, R.W., D.L. Banks, W.N. Kirchner, and N.C. Melvin. 2016. *The National Wetland Plant List*: 2016 wetland ratings. Phytoneuron 2016-30: 1-17.USACE National Wetland Plant List. Web 20 June 2018.

[2] Lichvar, R.W., N.C. Melvin, M.L. Butterwick, and W.N. Kirchner. 2012. National Wetland Plant List Indicator Rating Definitions. ERDC/CRREL TN-12-1, USACE Research and Development Center Cold Regions Research and Engineering Laboratory, Hanover, NH. Available at https://www.fws.gov/wetlands/documents/national-wetland-plant-list-indicator-rating-definitions.pdf [Verified 20 June 2018].

*Reed, P. B., Jr. 1988. *National List of Plant Species that Occur in Wetlands.* Washington, DC, USFWS.

4.0 POOLER PONDS TRACT

4.1 Site Location Information

Municipality: The Forks Plantation **County:** Somerset

Biophysical Region: Central Mountains

Watershed (HUC 12): Kelly Brook-Kennebec River (010300030101)

NECEC Components within HUC 8 (01030003) Watershed: HVDC, Existing right of way

Closest NECEC Component: HVDC, Existing ROW

Coordinates of Site Centroid (Lat/Long WGS 84): 45°17'25.16"N, 69°59'28.86"W

4.2 Natural Resource Inventory Summary (quantities are +/-):

Total Site Area .....81.24 acres

NWI Palustrine Wetland Area .....16.20 acres

Delineated and GPS-surveyed Palustrine Wetland Area.....18.33 acres

NHD Rivers and Streams .....6,390 feet (1.21 miles)

(NOTE: NHD Rivers and Streams length above includes length of flowage path through Pooler Ponds)

Delineated and GPS-surveyed Rivers and Streams ….....4,480 feet (0.85 mile)

Upland Area.....62.91 acres

Inland Wading Bird and Waterfowl Habitat (Moderate Value) ……...31.39 acres

Significant Vernal Pools .....None

Other Non-Significant Vernal Pool Types ……1 medium value VP

Vernal Pool Critical Terrestrial Habitat (750 feet) ..... 8.10 acres

4.3 Site Description

Approximately three miles south of the village of The Forks is the 81.24-acre Pooler Ponds Tract (hereafter “PPT” or the “Tract”), bound on the west by 0.8 mile of the Kennebec River, on the east by Maine Scenic Byway US Route 201 (also known as the Old Canada Road), and on the north by a rafting and river campground (Figure 1, Photos 4.1 and 4.2). The Tract is located 3.4 miles north of the Appalachian Trail crossing of US Route 201 and is traversed by the Kennebec River Trail (Photo 4.3). Aside from boating and fishing access roads as well as hiking trails, PPT is otherwise undeveloped (Photo 4.4), and the centerpiece of the Tract is a moderate value 31.39-acre IWWH.

4.4 Surrounding Land Use, Protected Open Space and Focus Areas

PPT is displayed on Figure 4.2, MLUPC's Land Use Guidance Map for The Forks Plantation (T1 R4 BKP EKR). Most of PPT is designated as a General Management Subdistrict M-GN). In addition, the following Protection Subdistricts occur at PPT:

- P-GP – Great Pond
- P-SL1 – areas within 250 feet of the normal high-water mark
- P-SL2 – areas within 75 feet of the normal high-water mark
- P-WL1 – wetlands of special significance (WOSS)
- P-WL2 – scrub shrub and other nonforested wetlands
- P-WL3 – forested wetlands (excluding those covered under PWL-1, PWL-2)

Pooler Ponds (MIDAS # 4106) are also designated as a "water quality limiting lake" (WQLL) sensitive to increased phosphorus concentrations and therefore is subject to additional residential development restrictions. There are no Conserved Lands or Focus Areas immediately adjacent to or within one mile of PPT.

4.5 Wildlife Use

Wildlife usage and habitat evaluations on PPT were conducted based on field surveys, aerial photo interpretation of landscape and terrain, and research of IPaC results from the USFWS for endangered species, critical habitat, migratory birds, and fisheries in and around the area. According to the results of the IPaC report (Appendix 4A), two threatened species: Canada lynx (*Lynx canadensis*) and Northern long-eared bat (*Myotis septentrionalis*); and one endangered species – Atlantic salmon (*Salmo salar*) could be affected by activities on the property.

Multiple moose (*Alces alces*) and whitetail deer (*Odocoileus virginianus*) remains along with active beaver (*Castor canadensis*) dams were observed on the property during natural resource surveys. As moderate rated IWWH, the abundance of aquatic vegetation, chiefly pond lilies (*Nymphaea* spp., *Nuphar* spp.) and other aquatics including watershield (*Brasenia schreberi*), arrowhead (*Sagitarria cuneata*), and floating manna grass (*Glyceria septentrionalis)* are worthy food sources for waterfowl and moose as well as cover habitat for amphibians. The large areas of adjoining mixed forested upland also provide browse for both deer and moose.

Pooler Ponds, and the adjoining emergent and forested wetlands, forested uplands and Kennebec River provide ideal habitat for several bird species. The IPaC report indicates two BCC – Canada warbler (*Cardellina canadensis*) and Cape May warbler (*Setophaga tigrina*) – could be affected by activities on the property. Other birds that may use PPT include, but are not limited to bald eagle (*Haliaeetus leucocephalus*), belted kingfisher (*Megacerylt alcyon*), several species of warblers (*Parulidae*), common loon (*Gavia immer*), northern goshawk (*Accipiter gentilis*), yellow-bellied flycatcher (*Empidonax flaviventris*), olive-sided flycatcher (*Contopus cooperi*), red-breasted nuthatch (*Sitta canadensis*), winter wren (*Troglodytes hiemalis*), and rusty blackbird (*Euphagus carolinus*).

A gray tree frog (*Hyla versicolor*) was observed on the Tract near a small stream bed (Photo 4.5). Spotted salamander (*Ambystoma maculatum*) egg masses (Photo 4.6) were observed on the edges of the pond complex and in the one delineated medium-value vernal pool found during field surveys. American toads (*Anaxyrus americanus*) and green frogs (*Lithobates clamitans*) are other common amphibians within the Tract. Garter snakes (*Thamnophis spp*.) were also observed on the Tract and turtles that may exist on site include, but may not be limited to painted turtles (*Chrysemys picta*), and common snapping turtle (*Chelydra serpentine*).

4.6 Vegetation

The Tract includes a variety of vegetative communities which provide different cover types and habitat characteristics. The property is primarily composed of mature forest, portions of which include deciduous forest and mixed coniferous-deciduous forest. There are also large areas of scrub-shrub and emergent habitats. The scrub-shrub areas are located along the Kennebec River, near the northwest boundary of the property, and typically in between the emergent areas along the shoreline and the upland forest further up slope from the ponds. The emergent areas are primarily located along the shoreline of Pooler Ponds.

Dominant tree species in the upland deciduous forest include northern red oak (*Quercus rubra*) and American beech (*Fagus grandifolia*). Dominant tree species in the upland mixed coniferous-deciduous forest are balsam fir (*Abies balsamea*), eastern white pine (*Pinus strobus*), red maple (*Acer rubrum*), and eastern hemlock (*Tsuga canadensis*). The scrub-shrub stratum contains beaked hazelnut (*Corylus cornuta*), choke cherry (*Prunus virginiana*), and striped maple (*Acer pennsylvanicum).* The herbaceous understory is dominated by Canada mayflower (*Maianthemum canadense*), starflower (*Lysimachia borealis*), bracken fern (*Pteridium aquilinum*), and wood fern (*Dryopteris* sp.).

Forested wetlands are dominated by red maple and yellow birch (*Betula alleghaniensis*). The typical scrub-shrub stratum contains saplings of red maple and black ash (*Fraxinus nigra*), as well as the occasional occurrence of speckled alder (*Alnus incana* ssp. *rugosa*). The herbaceous layer in the forested wetlands is dominated by sensitive fern (*Onoclea sensibilis*), bluejoint grass (*Calamagrostis canadensis*), and common wool sedge (*Scirpus cyperinus*).

Emergent areas (Photo 4.7) are predominantly confined to the pond margins and are dominated by graminoids, most specifically floating manna grass (*Glyceria septentrionalis*), fowl manna grass (*Glyceria striata*), three-way sedge (*Dulichium arundinaceum*), common spike-rush (*Eleocharis palustris*) and common wool sedge (*Scirpus cyperinus*). Other sedges found around the pond margin include fringed sedge (*Carex crinita*), northeastern sedge (*Carex cryptolepis*), hop sedge (*Carex lupulina*), sallow sedge (*Carex lurida*), and lesser bladder sedge (*Carex vesicaria*). Common forbs found in this zone are Allegheny monkey flower (*Mimulus ringens*) and swamp candles (*Lysimachia terrestris*). Adjacent scrub-shrub wetlands (Photo 4.8) are dominated by speckled alder, meadowsweet (*Spiraea alba* var. *latifolia*), and common winterberry (*Ilex verticillata*).

Submerged aquatic vegetation includes white water-lily (*Nymphaea odorata*), yellow pond-lily (*Nuphar* sp.), bur-reed (*Sparganium* sp.), northern arrowhead (*Sagittaria cuneata*), water-shield (*Brasenia schreberi*), and pondweed (*Potamogeton* sp).

4.7 Wetland Characteristics, Functions and Values

Combining the approximately 8.12-acre Pooler Ponds complex (PUB) with approximately 10.21 acres of additional palustrine wetland, 18.33 acres (22.6%) of the 81.24 total acres on PPT were identified as

palustrine wetland during the field survey (Figure 4.3). The primary wetland system on this Tract is palustrine unconsolidated bottom (PUB) associated with the open water of the pond complex. The fringe of this wetland system is enveloped by a graminoid-dominant palustrine emergent area (PEM) (Photo 4.8), which is bordered by a co-dominant palustrine scrub-shrub wetland (PSS). The codominance of these two wetland types creates outstanding wildlife habitat for inland wading birds and waterfowl (IWWH). The transitional habitat between open water, emergent marsh, scrub-shrub, forested wetland, and upland forest provides a high degree of vertical stratigraphy in vegetation that further enhances wildlife attractiveness for numerous species of amphibians, reptiles, birds, and mammals. At the southern end of the pond complex, an intermittent stream flows southwest to the Kennebec River. The Tract has approximately 0.8 river-miles of frontage along the Kennebec River, a permanently flooded, lower perennial riverine wetland system with an unconsolidated bottom (R2UBH). Where the land does not abruptly drop from bedrock cliff to river, there is generally a 20- to 50-foot strip of palustrine scrub shrub (PSS) wetland along the fringe of the Kennebec River (as described earlier in Section 1.5 of this document).

As mapped by the USDA NRCS on Web Soil Survey, approximately 56 acres (68%) of PPT is underlain by somewhat excessively drained (SED) soils. In addition to slightly more than eight acres of waterbody, the remainder of the Tract is mapped as well drained. The soils are derived from glacial outwash plains, till plains and eskers consisting of fine silt loams and clay loams. Hydric soils were identified primarily along fringe wetlands which occur around most of Pooler Ponds and parts of the Kennebec River. The fringe wetlands associated with the pond are classified as PEM and PSS with some smaller components of PFO. A small PSS wetland was mapped along the Kennebec River consisting of fine loamy sands.

TABLE 4-1 SUMMARY OF FUNCTIONS AND VALUES OF WETLANDS ON THE 81.24-ACRE POOLER POND TRACT

FUNCTION/VALUE	EXPLANATION
Groundwater Recharge/Discharge (GW)	PPT occurs on the Kennebec River Significant Sand and Gravel Aquifer and wetlands on the Tract are therefore sites of groundwater discharge from up gradient, as well as recharge areas to the adjoining Kennebec River (Neil and Locke 2008).
Flood flow Alteration (FF)	The Forks Twp is designated as "no data/No Specific Flood Hazard Area" (Dudley and Schalk 2006), however water levels along the Kennebec River are actively managed at the Long Falls Dam outlet of Flagstaff Lake and the Harris Station Dam on Indian Pond by Brookfield Renewable Energy. In relation to these fluctuating water levels, a principal function of wetlands on the Pooler Ponds parcel that are along and hydrologically connected to the Kennebec River is Floodflow Alteration.
Fish and Shellfish Habitat (FH)	The Kennebec River is popular for brook trout and landlocked salmon fishing and on the first day of field surveys an angler was removing his inflatable boat at the "Hole in the Wall" access point (Photo 4.3) at PPT after a successful morning of fishing. Pooler Ponds lack a perennial stream connection to the River and are most likely habitat for a warm water fishery.
Production Export (PE)	As evidenced by browse, droppings and other sign, woody vegetation in wetlands is a fundamental food source for all herbivorous and omnivorous wildlife inhabiting PPT. Seeds, roots and stems from herbaceous vegetation in not PUB, PEM, PSS and PFO wetlands that make up the IWWH on PPT are also food sources for not only waterfowl, but the wide variety of mammals, birds, amphibians, reptiles, fish and insects that inhabit or traverse the Tract.
Sediment/Toxicant/ Pathogen Retention (STPR)	Micro-topography as well as woody and herbaceous vegetation throughout wetlands around the perimeter off Pooler Ponds physically slow surface water transport and retain these degraders of water quality to the Kennebec River. Sediments/toxicants/pathogens trapped with accumulation of vegetative remains as peat or other forms of hydric soils is another way PPT wetlands protect water quality of Pooler Ponds and the Kennebec River.
Nutrient Removal (NR)	Micro-topography as well as woody and herbaceous vegetation throughout PPT wetlands slow/detain surface water transport of phosphorus adhering to sediment, protecting Pooler Ponds (designated as WQLL, from eutrophication and general water degradation of Kennebec River. Direct uptake of nutrients by wetland vegetation and accumulation of plant remains in organic soils and peat is another way PPT wetlands protect water quality.
Sediment/Shoreline Stabilization (SS)	Riverine vegetated wetlands aligned along the east shore of the Kennebec River buffer and protect the adjoining upland shoreline from scour and erosion. Palustrine wetlands around the perimeter of Pooler Ponds also stabilize adjoining upland and thereby limiting and protecting lake degradation.
Wildlife Habitat (WH)	In addition to direct observation as well as tracks, droppings and other sign, moose, deer, beaver, otter, mink and other smaller mammals are abundant on PPT that is further enhanced by the presence of the moderate value IWWH (ID UMO-9951) near the center of the Tract. As described in greater detail above, PPT provides high quality habitat for a wide variety of large mammals and furbearers, raptors, waterfowl, passerines songbirds, amphibians, reptiles and insects.
Educational/ Scientific Value (ED)	This easily accessible Tract provides diversity and abundance of aquatic plants and graminoids relevant to the study of botany and wetland ecology. In addition, the Tract provides a comprehensive zonation of vegetative stratigraphy / wetland types corresponding to the topographic gradient.
Recreation (REC)	PPT is located between a commercial rafting and river guide operation and campground immediately to the north and the Appalachian Trail Corridor 3.4 miles to the south. The Tract is also crossed by the Kennebec River Trial and is an access point to fishing and boating on the Kennebec River.

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4.8 Compensation

As part of the compensation package for NECEC, the approximately 81.24-acre Pooler Ponds Tract (Figure 4.3) will be permanently protected by a conservation easement or similar instrument. Preservation of this Tract along approximately 0.8 mile of the Kennebec River will secure access for rafting, other boating/canoeing and fishing. In addition, approximately 40 percent (31.39 acres) of the 81.24-acre FLT is a moderate value IWWH comprised of diverse wetland types (PFO, PSS, PEM, PUB). Preservation of PPT will result in permanent protection from development and will preserve the existing recreational opportunities, wildlife habitat, water quality benefits, vernal pool habitat, and educational opportunities adjacent to a Maine Scenic Byway (US Route 201).

4.9 Photographs

PHOTO 4-1 A NORTHWARD VIEW OF POOLER PONDS DISPLAYS THE HYDROLOGIC CONNECTIVITY OF THIS GREAT POND, WETLAND OF SPECIAL SIGNIFICANCE (WOSS). NOTE: ROUTE 201 IN THE BACKGROUND

PHOTO 4-2 THE KENNEBEC RIVER SERVES AS THE WESTERN BOUNDARY OF THE TRACT AND PROVIDES RECREATIONAL OPPORTUNITIES SUCH AS FISHING AND RAFTING

PHOTO 4-3 THE KENNEBEC RIVER TRAIL TRAVERSES PPT AND PROVIDES RIVER ACCESS FOR ANGLERS AND BOATERS; LOCALLY THIS ACCESS POINT IS REFERRED TO AS 'HOLE IN THE WALL'

PHOTO 4-4 POOLER PONDS HOSTS A VARIETY OF ECOLOGICAL SYSTEMS, INCLUDING PALUSTRINE UNCONSOLIDATED BOTTOM (PUB), EMERGENT (PEM), SCRUB-SHRUB (PSS), AND FORESTED (PFO) WETLANDS

PHOTO 4-5 A GRAY TREE FROG (*HYLA VERSICOLOR*) RESTS ON A SENSITIVE FERN (*ONOCLEA SENSIBILIS*) FROND

PHOTO 4-6 EIGHT SPOTTED SALAMANDER EGG MASSES FOUND NOT ONLY IN THIS SINGLE VERNAL POOL ON PPT, BUT WERE ALSO OBSERVED AT SEVERAL LOCATIONS IN POOLER PONDS AS WELL

PHOTO 4-7 EMERGENT WETLANDS (PEM) DOMINATED BY A SUITE OF SEDGES (*CAREX* SPP.) AND COMMON WOOL SEDGE (*SCIRPUS CYPERINUS*) ARE PREVALENT ALONG THE POND EDGE

PHOTO 4-8 SCRUB-SHRUB WETLANDS (PSS) ARE TYPICALLY DOMINATED BY SPECKLED ALDER (*ALNUS INCANA* SSP. *RUGOSA*) WITH SENSITIVE FERN (*ONOCLEA SENSIBILIS*) AS THE DOMINANT UNDERSTORY

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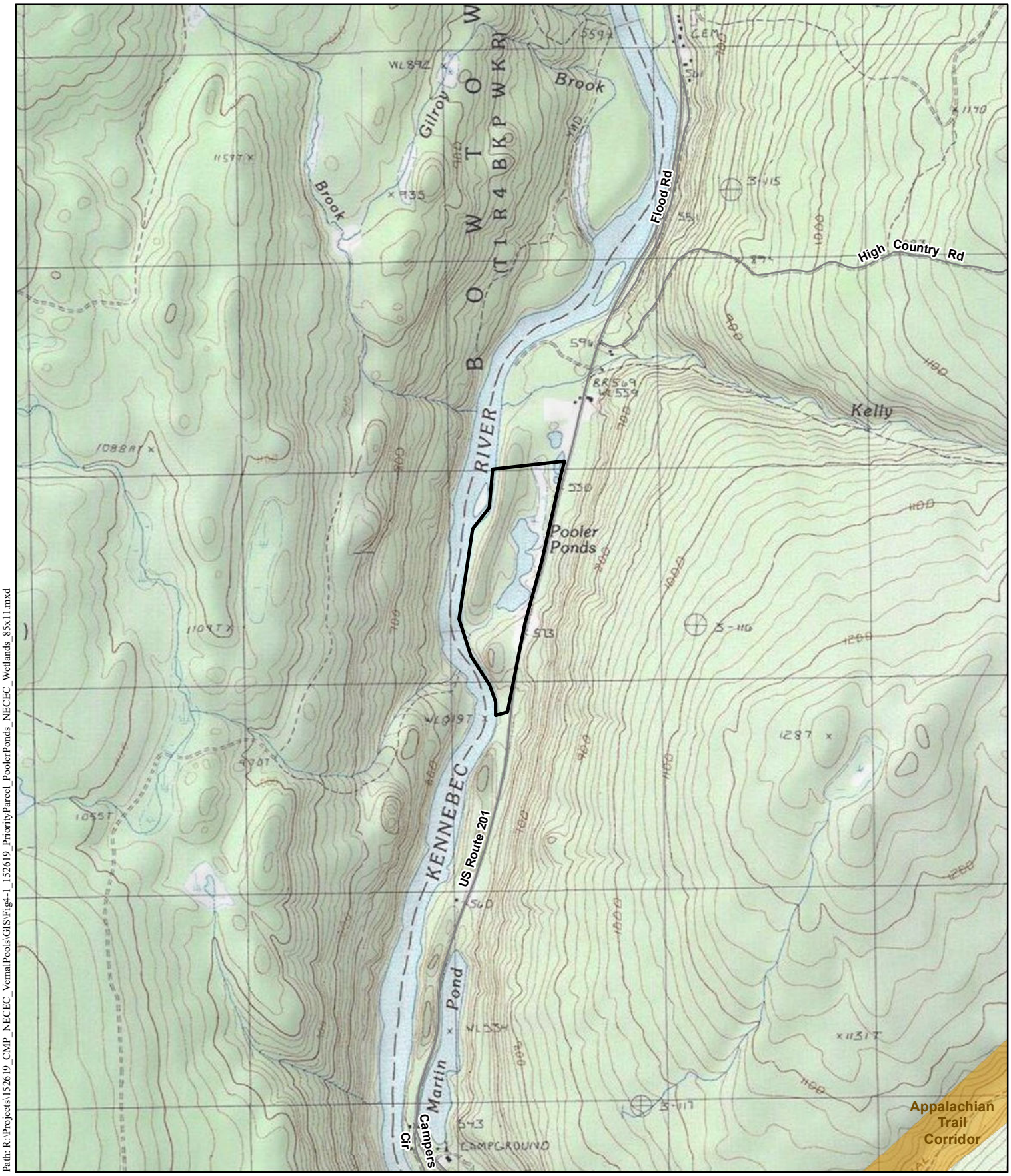

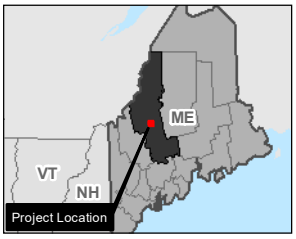

Road
Conserved Lands
Survey Boundary

N
W E
S

SCALE: 1 " = 2,000 '

0 1,000 2,000
Feet

Figure 4.1: Locus
Pooler Ponds Tract

Somerset County
Maine

Date:8/6/2018
Author: KK
Project: 152619

Central Maine Power

NECEC Compensation Parcels
Natural Resource Survey Results

CENTRAL MAINE POWER
POWER ENGINEERS

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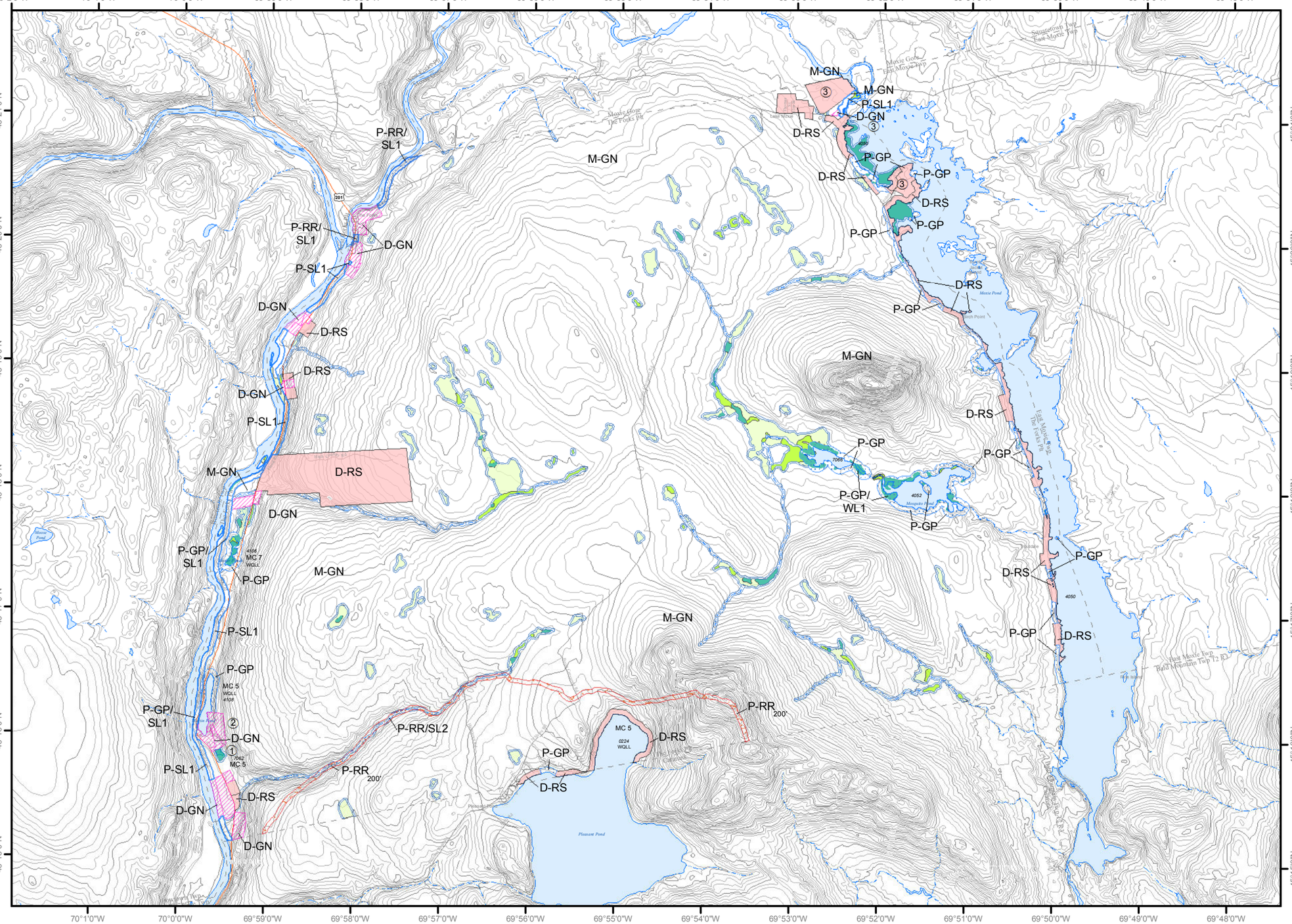
The Forks Plt.

T1 R4 BKP EKR

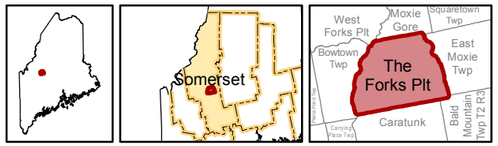
Somerset County



Land Use Guidance Map

Department of Agriculture, Conservation and Forestry

Maine Land Use Planning Commission



Legend

DEVELOPMENT SUBDISTRICTS

- D-GN: General
- D-RS: Residential

PROTECTION SUBDISTRICTS

- P-GP: Great Pond
- P-RR200: Recreation - 200'
- P-RR: Recreation
- P-SL1: Shoreland - 250'
- P-SL2: Shoreland - 75'
- P-WL1: Wetlands of Special Significance
- P-WL2: Scrub-shrub Wetlands
- P-WL3: Forested Wetlands

This map does not show all designated P-WL Subdistricts, such as non-tidal water bodies and freshwater wetlands within 25 feet of flowing waters.

This map is a reducedsize version and should not be considered definitive. Full sized, official Land Use Guidance Maps are available on the LUPC website or by request.

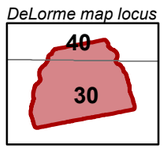
Amendments

Location #	Zoning Permit	Effective Date	Remarks
1	ZP633	03/11/1999	
2	ZP633A	05/12/2000	
		08/18/2005	Adoption of digital NWI wetlands
3	ZP708	07/26/2007	

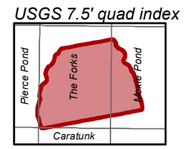
0 1,400 2,800 4,200 5,600 Meters

0 4,800 9,600 14,400 19,200 Feet

DeLorme map locus



USGS 7.5' quad index



(1) Map amendment location

▲ Point at which a river drains 25 square miles - symbol points upstream (12 M.R.S. Sec. 682-B(4))

9999 MIDAS number: Unique number assigned to each standing body of water in Maine.

WQLL Water Quality Limiting Lake - Refer to Section 10.23,E,3,g of the Commission's Land Use Districts and Standards.

MC# Lake Management Classes - Refer to Section 10.02 (Definitions) of the Commission's Land Use Districts and Standards.

SOURCES: Maine Land Use Planning Commission, USGS

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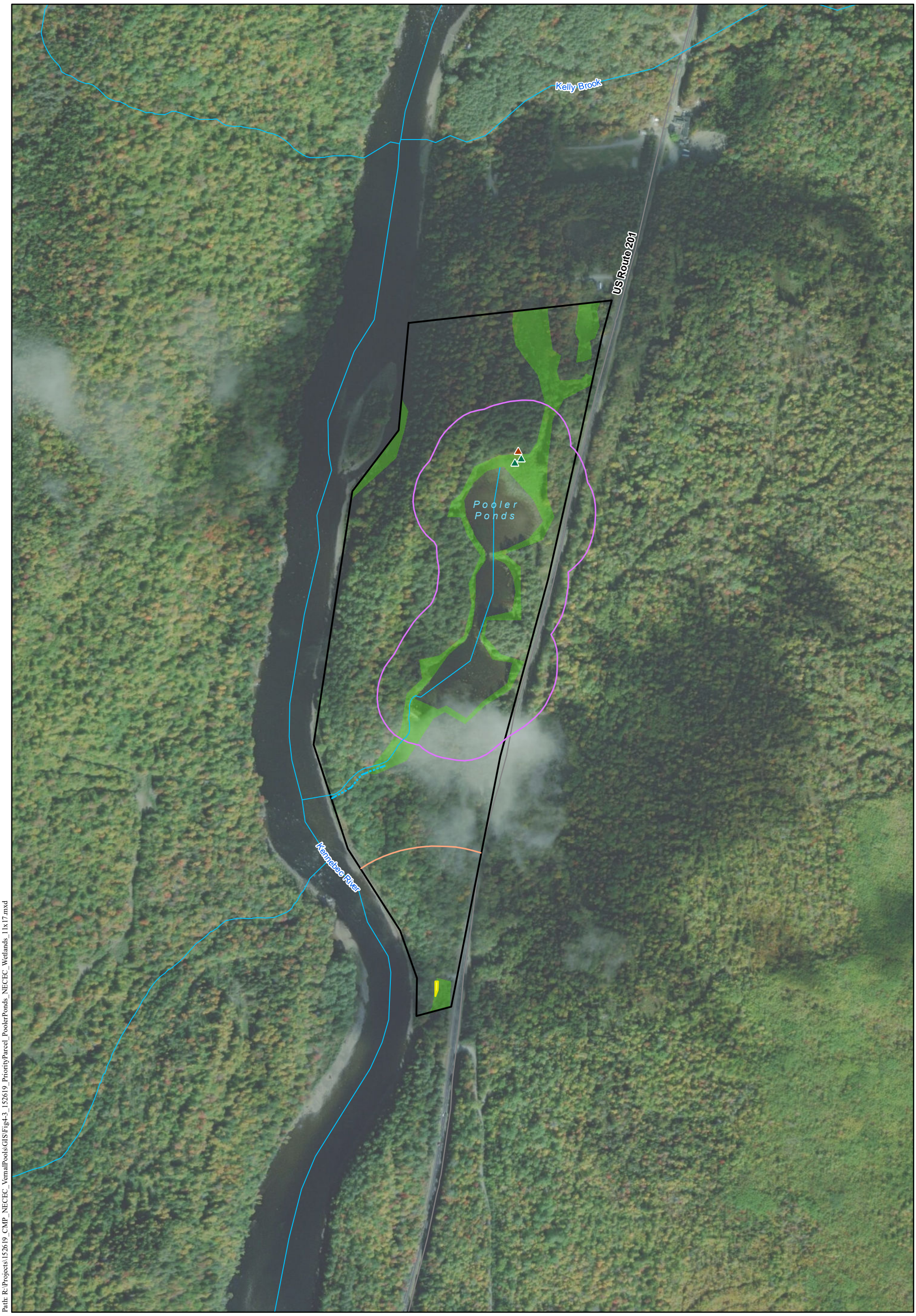

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- Wetland Data Point
- Upland Data Point
- Stream (NHD)
- Delineated Intermittent Stream
- Road
- Delineated Wetland
- Vernal Pool
- Critical Terrestrial Habitat (750')
- Inland Waterfowl and Wading Bird Habitat
- Survey Area

1 " = 500 '

0 250 500

Feet

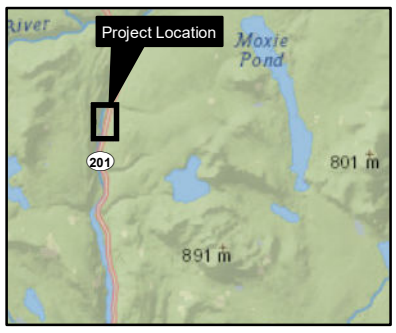

Figure 4.3: Natural Resources
Pooler Ponds Tract

Somerset County
Maine

NAD 1983 HARN StatePlane Maine West FIPS 1802 Feet
Foot US
Transverse Mercator
North American 1983 HARN

Date: 8/6/2018
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APPENDIX 4A IPAC RESULTS: POOLER PONDS TRACT

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

NOT FOR CONSULTATION

Project information

NAME

Compensatory Mitigation

LOCATION

Somerset County, Maine

DESCRIPTION

Pooler Ponds Tract

Local office

Maine Ecological Services Field Office

(207) 469-7300
(207) 902-1588

MAILING ADDRESS
P. O. Box A
East Orland, ME 04431

PHYSICAL ADDRESS
306 Hatchery Road
East Orland, ME 04431

http://www.fws.gov/mainefieldoffice/index.html

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Log in to IPaC.
2. Go to your My Projects list.
3. Click PROJECT HOME for this project.
4. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

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1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information.
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS

NOT FOR CONSULTATION

Canada Lynx Lynx canadensis There is **final** critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/3652	Threatened
Northern Long-eared Bat Myotis septentrionalis No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9045	Threatened

Fishes

NAME	STATUS
Atlantic Salmon Salmo salar There is **final** critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/2097	Endangered

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

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Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php
- Measures for avoiding and minimizing impacts to birds http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php
- Nationwide conservation measures for birds http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NOT FOR CONSULTATION

NAME	BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)
Canada Warbler *Cardellina canadensis* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 20 to Aug 10
Cape May Warbler *Setophaga tigrina* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Jun 1 to Jul 31

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

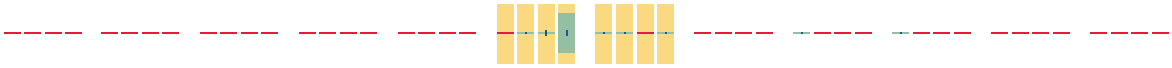
Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

NOT FOR CONSULTATION

probability of presence | breeding season | survey effort | no data

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Canada Warbler BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)												

Cape May Warbler
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures and/or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the E-bird Explore Data Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets .

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: The Cornell Lab of Ornithology All About Birds Bird Guide, or (if you are unsuccessful in locating the bird of interest there), the Cornell Lab of Ornithology Neotropical Birds guide. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

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Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ “What does IPaC use to generate the migratory birds potentially occurring in my specified location”. Please be aware this report provides the “probability of presence” of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the “no data” indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ “Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds” at the bottom of your migratory bird trust resources page.

Facilities

NOT FOR CONSULTATION

Wildlife refuges and fish hatcheries

REFUGE AND FISH HATCHERY INFORMATION IS NOT AVAILABLE AT THIS TIME

Wetlands in the National Wetlands Inventory

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

FRESHWATER EMERGENT WETLAND

- PEM1E

FRESHWATER FORESTED/SHRUB WETLAND

- PFO1Cx
- PFO4/SS1E
- PSS1E

FRESHWATER POND

- PUBH
- PUBFx

RIVERINE

- R2UBH
- R4SBC
- R5UBH

A full description for each wetland code can be found at the National Wetlands Inventory website

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

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Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

NOT FOR CONSULTATION

APPENDIX 4B VEGETATION LIST: POOLER PONDS TRACT

SCIENTIFIC NAME	COMMON NAME	FAMILY	WETLAND PLANT INDICATOR RATING [1,2]
Abies balsamea	Balsam Fir	Pinaceae	FAC
Acer pennsylvanicum	Striped Maple	Sapindaceae	FACU
Acer rubrum	Red Maple	Sapindaceae	FAC
Agrostis capillaris	Colonial Bentgrass	Poaceae	FAC
Agrosits gigantea	Redtop Bentgrass	Poaceae	FACW
Alnus incana ssp. *rugosa*	Speckled Alder	Betulaceae	FACW
Anthoxanthum odoratum	Sweet Vernal Grass	Poaceae	FACU
Apocynum cannabinum	Indian Hemp	Apocynaceae	FAC
Betula alleghaniensis	Yellow Birch	Betulaceae	FAC
Betula populifolia	Gray Birch	Betulaceae	FAC
Brasenia schreberi	Water-Shield	Nymphaceae	OBL
Calamagrostis canadensis	Bluejoint	Poaceae	OBL
Cardamine diphylla	Crinkleroot	Brassicaceae	FACU
Carex crinita	Fringed Sedge	Cyperaceae	OBL
Carex cryptolepis	Northeastern Sedge	Cyperaceae	OBL
Carex intumescens	Greater Bladder Sedge	Cyperaceae	FACW
Carex lupulina	Hop Sedge	Cyperaceae	OBL
Carex lurida	Shallow Sedge	Cyperaceae	OBL
Carex scoparia	Pointed Broom Sedge	Cyperaceae	FACW
Carex vesicaria	Lesser Bladder Sedge	Cyperaceae	OBL
Caulophyllum thalictroides	Blue Cohosh	Berberidaceae	N/A
Chamaepericlymenum canadense	Bunchberry	Cornaceae	FAC
Corylus cornuta	Beaked Hazelnut	Betulaceae	FACU
Crataegus spp.	Hawthorne	Rosaceae	N/A
Dryopteris intermedia	Evergreen Wood Fern	Dryopteridaceae	FAC
Dulichium arundinaceum	Three-Way Sedge	Cyperaceae	OBL
Eleochaeris palustris	Common Spike-Rush	Cyperaceae	OBL
Equisetum arvense	Field Horsetail	Equisetaceae	FAC
Equisetum sylvaticum	Woodland Horsetail	Equisetaceae	FACW
Fagus grandifolia	American Beech	Fagaceae	FACU
Fraxinus americana	White Ash	Oleaceae	FACU
Fraxinus nigra	Black Ash	Oleaceae	FACW
Fraxinus pennsylvanica	Green Ash	Oleaceae	FACW
Glyceria septentrionalis	Floating Manna Grass	Poaceae	OBL
Glyceria striata	Fowl Manna Grass	Poaceae	OBL
Hieracium aurantiacum	Orange Hawkweed	Asteraceae	N/A

SCIENTIFIC NAME	COMMON NAME	FAMILY	WETLAND PLANT INDICATOR RATING [1,2]
Hypericum perforatum	Common St. John's Wort	Hypericaceae	FACW
Ilex verticillata	Common Winterberry	Aquifoliaceae	FACW
Impatiens capensis	Jewelweed	Balsaminaceae	FACW
Iris versicolor	Blue Iris	Iridaceae	OBL
Juncus articulatus	Joint-Leaved Rush	Juncaceae	OBL
Juncus effusus	Soft Rush	Juncaceae	OBL
Leucanthemum vulgare	Ox-Eye Daisy	Asteraceae	UPL
Lycopus sp.	Water Horehound	Lamiaceae	OBL
Lysimachia borealis	Starflower	Myrsinaceae	N/A
Lysimachia terrestris	Swamp Candles	Myrsinaceae	OBL
Maianthemum canadense	Canada Mayflower	Ruscaceae	FACU
Maianthemum racemosum	Feathery False Solomon's Seal	Ruscaceae	FACU
Matteuccia struthiopteris	Ostrich Fern	Onocleaceae	FAC
Mimulus ringens	Allegheny Monkey-Flower	Phrymaceae	OBL
Mitchella repens	Partridge Berry	Rubiaceae	FACU
Nuphar sp.	Pond-Lily	Nymphaceae	OBL
Nymphaea odorata	White Water-Lily	Nymphaceae	OBL
Onoclea sensibilis	Sensitive Fern	Onocleaceae	FACW
Parathelypteris novaborecensis	New York Fern	Thelypteridaceae	FAC
Parthenocissus quinquefolia	Virginia-Creeper	Vitaceae	FACU
Phalaris arundinacea	Reed Canary Grass	Poaceae	FACW
Pinus strobus	Eastern White Pine	Pinaceae	FACU
Poa pratensis ssp. *pratensis*	Kentucky Blue Grass	Poaceae	FACU
Populus grandidentata	Big-Tooth Aspen	Salicaceae	FACU
Potamogeton sp.	Pondweed	Potamogetonaceae	OBL
Prunus virginiana	Choke Cherry	Rosaceae	FACU
Pteridium aquilinum	Bracken Fern	Dennstaeditaceae	FACU
Pyrola elliptica	Elliptic-Leaved Shinleaf	Ericaceae	FACU
Quercus rubra	Northern Red Oak	Fagaceae	FACU
Rhus hirta	Staghorn Sumac	Anacardiaceae	N/A
Rubus hispidus	Bristly Dewberry	Rosaceae	FACW
Rubus idaeus	Red Raspberry	Rosaceae	FACU
Sagittaria cuneata	Northern Arrowhead	Alismataceae	OBL
Sambucus racemosa	Red Elderberry	Adoxaceae	FACW
Scirpus cyperinus	Common Woolsedge	Cyperaceae	OBL
Silene vulgaris	Bladder Campion	Caryophyllaceae	N/A
Solidago canadensis	Canada Goldenrod	Asteraceae	FACU
Solidago rugosa ssp. *rugosa*	Common Wrinkle Leaved Goldenrod	Asteraceae	FAC

SCIENTIFIC NAME	COMMON NAME	FAMILY	WETLAND PLANT INDICATOR RATING [1,2]
Sparganium sp.	Bur-Reed	Typhaceae	OBL
Spiraea alba var. *latifolia*	Meadowsweet	Rosaceae	FACW
Swida sericea	Red Osier Dogwood	Cornaceae	FACW
Tsuga canadensis	Eastern Hemlock	Pinaceae	FACU
Ulmus americana	American Elm	Ulmaceae	FACW
Vaccinium angustifolium	Lowbush Blueberry	Ericaceae	FACU
Vaccinium angustifolium	Lowbush Blueberry	Ericaceae	FACU
Veratrum viride	American False Hellebore	Melanthiaceae	FACW
Veronica americana	American Speedwell	Plantaginaceae	OBL
Viburnum lantanoides	Hobblebush	Adoxaceae	FACU
Viola spp.	Violets	Violaceae	N/A
INDICATOR STATUS	OCCURRENCE IN WETLANDS (% per Reed, 1998)		
Obligate (OBL)	Almost always occurs in wetlands under natural conditions (99%)		
Facultative Wetland (FACW)	Usually in wetlands, occasionally found in non-wetlands (67- 99%)		
Facultative (FAC)	Equally likely to occur in wetlands and non-wetlands. (33-67%)		
Facultative Upland (FACU)	Usually in non-wetlands, occasionally found in wetlands (1-33%)		
Upland (UPL)	Almost always in non-wetlands under natural conditions (1%)		

[1] Lichvar, R.W., D.L. Banks, W.N. Kirchner, and N.C. Melvin. 2016. *The National Wetland Plant List*: 2016 wetland ratings. Phytoneuron 2016-30: 1-17.USACE National Wetland Plant List. Web.20 June 2018.

[2] Lichvar, R.W., N.C. Melvin, M.L. Butterwick, and W.N. Kirchner. 2012. National Wetland Plant List Indicator Rating Definitions. ERDC/CRREL TN-12-1, USACE Research and Development Center Cold Regions Research and Engineering Laboratory, Hanover, NH. Available at https://www.fws.gov/wetlands/documents/national-wetland-plant-list-indicator-rating-definitions.pdf [Verified 20 June 2018]

*Reed, P. B., Jr. 1988. *National List of Plant Species that Occur in Wetlands.* Washington, DC, USFWS.

5.0 GRAND FALLS TRACT

5.1 Site Location Information

Municipality: Spring Lake Township (T03 R04 BKP WKR) **County:** Somerset

Biophysical Region: Western Mountains

Watershed (HUC 12): Spring Lake-Upper Dead River (010300020502)

NECEC Components within HUC 8 (01030002) Watershed: HVDC, New ROW

Closest NECEC Component: HVDC, New ROW

Coordinates of Site Centroid (Lat/Long WGS 84): 45°17'43.03"N, 70°13'14.93"W

5.2 Natural Resource Inventory Summary (quantities are +/-):

Total Site Area .....120.84 acres

NWI Palustrine Wetland Area.....12.10 acres

Delineated and GPS-surveyed Palustrine Wetland Area….....14.51 acres

NHD Rivers and Streams .....3,690 feet (0.70 mile)

Delineated and GPS-surveyed Streams .....5,610 feet (1.06 miles)

Outstanding River Segment (Ch 200 §403: Dead River)…….……..…… 0.70 mile

Upland Area..... .....106.33 acres

Inland Wading Bird and Waterfowl Habitat (Moderate Value) ……..16.06 acres

Significant Vernal Pools .....1 high value SVP

Non-Significant Vernal Pools ……...1 high value PSVP

Vernal Pool Critical Terrestrial Habitat (750 feet) .....40.09 acres

Deer Wintering Area…….40 acres

5.3 Site Description

The 120.84-acre Grand Falls Tract (hereafter “GFT” or “the Tract”) – the centerpiece of which is Grand Falls (Photos 5.1 and 5.2) – is bisected by the Dead River and therefore has approximately 0.8 mile of frontage on each side of the River (Figure 5.1). GFT is a unique and stunning Tract with not only scenic views of Grand Falls and the associated display of diverse geologic features but also productive forested (PFO), scrub-shrub (PSS), and emergent (PEM) wetlands. Having a blend of cover types, GFT provides a range of habitats for a variety of animal species and includes a moderate value IWWH which connects the Tract to a 50,000-acre Focus Area of Statewide Ecological Significance. In addition to the Maine Huts and Trails network, the Northern Forest Canoe Trail traverses the Tract connecting Flagstaff Lake with Spencer Stream.

5.4 Surrounding Land Use, Protected Open Space and Focus Areas

In addition to the Maine Huts and Trails bridge (Photo 5.3), two long-established cabins are located on the Tract (one on each side of the Dead River) and a third is immediately adjacent to the west boundary (Photo 5.4). On the east bank of the Dead River, at the upstream end of the Northern Forest Canoe Trail portage which makes use of the MHT network is a simple canoe support station (Photo 5.5). Downstream of this and immediately north of a large island a relic cribwork spans the river (Photos 5.6 and 5.7). With the exception of a gated, gravel road, no other development exists on the Tract.

GFT is displayed on Figure 5.2, MLUPC's Land Use Guidance Map for Spring Lake Twp (T3 R4 BKP WKR). Much of GFT is designated as a General Management Subdistrict M-GN). In addition, the following Protection Subdistricts occur at GFT:

- P-FP – Flood Prone
- P-FW – Fish and Wildlife 060030
- P-RR – Recreation –Water
- P-SL1 – Shore Land within 250 feet of the normal high-water mark
- P-UA – Unusual Area
- P-WL1 – Wetlands of special significance (WOSS)
- P-WL2 – Wetlands scrub shrub (PSS)

GFT is approximately 3.25 miles downstream, along the Dead River, of the 50,000-acre Bigelow Mountain-Flagstaff Lake-North Branch of the Dead River Focus Area of Statewide Ecological Significance. Within the intervening distance is the 1,542-acre moderate value IWWH, linking GFT with the Focus Area. Conserved lands on the Tract are limited to the 200 feet wide Dead River Trail and Conservation Corridor on the east side of the River.

5.5 Wildlife Use

Wildlife usage and habitat evaluations on GFT were conducted based on field surveys, aerial photo interpretation of landscape and terrain, and research of IPaC results from the USFWS for endangered species, critical habitat, migratory birds, and fisheries in and around the area. According to the results of the IPaC report (Appendix 5A), two threatened species - Canada lynx (*Lynx canadensis*) and Northern long-eared bat (*Myotis septentrionalis*); and one endangered species – Atlantic salmon (*Salmo salar*) could be affected by activities on the property.

Moose (*Alces alces*) tracks were witnessed on GFT along the shore of the Dead River. Based on the location and vegetative cover in the location of P-FW (060030) on the LUPC map (Figure 5.2) an approximately 40-acre Deer Wintering Area is located along the northeast side of GFT which also extends downstream along the Dead River to Basin Tract (BT). Small mammals were observed during field surveys including red squirrel (*Sciurus vulgaris*), chipmunk (*Tamias sp*.), and snowshoe hare (*Lepus americanus*). Black bear (*Ursus americanus*), coyote (*Canis latrans*), red fox (*Vulpes vulpes*) beaver (*Castor candensis*), mink (*Neovison vison*), river otter (*Lontar canadensis*), fisher (*Pekania pennanti*) and pine marten (*Martes americana)* are furbearers that inhabit or traverse the Tract. Several passerine birds and birds of prey are likely to use GFT for its diverse habitat and abundance of food sources, including

hard and soft mast and a number of fish species. Tall balsam firs and Eastern white pines allow for birds of prey to nest along the Dead River.

The various wetland cover types, upland forest, and riverine habitat make it a suitable place for birds to reside. MDIFW has identified a moderate value 1,526 acres IWWH along the Dead River, most of which is upstream, however approximately 13 percent GFT occurs within this significant wildlife habitat.

During field surveys, one high value State Significant Vernal Pool (SVP) with over 40 spotted salamander (*Ambystoma maculatum*) egg masses was observed (Photo 5.8). One high value potentially significant vernal pool (PSVP) was recorded with twelve (12) spotted salamander egg masses, along with one potential vernal pool, all on the east side of the Dead River. Due to the timing of surveys, the presence of wood frog (*Lithobates sylvaticus*) egg masses could not be verified. American toads (*Anaxyrus americanus*) and green frogs (*Lithobates clamitans*) are other common amphibians within the Tract. Garter snakes (*Thamnophis spp*.) were present as well during field surveys.

The Upper Dead River, also referred to as the Grand Falls Flowage, is known for its rainbow trout (*Oncorhynchus mykiss*) which often feed on smelts that wash in to the river from Flagstaff Lake. Rainbow trout are a local, naturally reproducing population possibly stocked illegally many years ago. Landlocked salmon (*Salmo salar sebago*) and brook trout (*Salvelinus fontinalis*) are also abundant in the River (https://mainehuts.org/discover/things-do/fishing). These are excellent resources for birds of prey and even the occasional opportunistic black bear.

5.6 Vegetation

The property includes a variety of vegetative communities which provide different cover types, habitat characteristics, and ecological function. The property is primarily composed of mixed coniferous-deciduous forests. There are also several scrub-shrub wetlands, typically associated with the shore of the Dead River and the banks of feeder tributary streams.

Wetlands and uplands were identified in the mixed coniferous-deciduous forest mentioned above. Dominant tree species in the wetland forest include red maple (*Acer rubrum*), northern white cedar (*Thuja occidentalis*), balsam fir (*Abies balsamea*), and yellow birch (*Betula allegheniensis*). Common woody plants in the shrub stratum are typically saplings of balsam fir. Common understory plants include sensitive fern (*Onoclea sensibilis*), cinnamon fern (*Osmunda cinnamomeum*), interrupted fern (*Osmunda claytonia*), violets (*Viola* spp.), dewberry (*Rubus hispidus*), and *Sphagnum* spp. mosses.

In the forested uplands, the dominant tree species are red spruce (*Picea rubens*), balsam fir, red maple, and eastern white pine (*Pinus strobus*). Dominant understory plants in the shrub stratum include American beech (*Fagus grandifolia*) saplings, mountain ash (*Sorbus americana*), and beaked hazelnut (*Corylus cornuta*). Common forbs include starflower (*Lysimachia borealis*), yellow blue-bead lily (*Clintonia borealis*), Canada mayflower (*Maianthemum canadense*), sarsaparilla (*Aralia nudicaulis*), and rosy bells (*Streptopus lanceolatus*).

The scrub shrub wetlands are dominated by speckled alder (*Alnus incana* ssp. *rugosa*) and meadowsweet (*Spiraea alba* var. *latifolia*). Common herbaceous plants in the understory are bluejoint grass (*Calamagrostis canadensis*), tall meadow-rue (*Thalictrum pubescens*), sedges (*Carex* spp.), and wrinkle-leaved goldenrod (*Solidago rugosa*).

5.7 Wetland Characteristics, Functions, and Values

Approximately 14.51 acres (12%) of the 120.84 total acres of the GFT were identified as palustrine wetlands during the field surveys (Figure 5.3). Although the largest wetland type on the Tract is the Dead River covering approximately 18.66 acres, characterized as a permanently flooded, lower perennial riverine system with an unconsolidated bottom (R2UBH), as discussed earlier it is excluded from total palustrine wetland area. Therefore, the second most abundant wetland type is palustrine forested with a mixed coniferous-deciduous canopy (PFO4/1) (Photo 5.9). The third most abundant wetland type (Photos 5.10 and 5.11) is palustrine scrub shrub (PSS), occurring predominantly along the shores of the Dead River in addition to the intermittent and perennial tributary streams that feed into the Dead River. The least abundant wetland system represented on the Tract is palustrine emergent (PEM, localized near the southeastern boundary of the parcel where the Dead River meanders around the island (Photo 5.12). However, despite its small extent, the PEM habitat is integral to the IWWH. The Dead River flows from the southern end of the property to the northern end of the property where it merges with Spencer Creek and turns toward the east. Accounting for both banks of the Dead River, approximately a total of 1.6 river miles of frontage occur on the Tract.

Opportunities for education and recreation abound on this Tract, along with opportunities for cultural values such as aesthetics. The falls and the surrounding ravines and bedrock provide examples of the effect of hydrology on landscape formation. The existing network of Maine Huts and Trails and the Northern Forest Canoe Trail exhibits an already-established recreational aspect to the site, such as canoeing, kayaking, rafting, fishing, and hiking.

As mapped by the USDA NRCS on Web Soil Survey, approximately 32 acres (26%) of GFT is underlain by poorly drained (PD) hydric soils. Areas of the tract where these soils occur are typically on zero to two percent slopes. Map Unit Name and Symbols for hydric soils at GFT consist of the Charles-Cornish-Wonsqueak complex (CG) a PD/VPD coarse silt loam formed in alluvial deposits on flood plains. Wetlands exist predominantly on the more gently sloping west side of the Dead River mapped as fine sandy loams whereas on the east side of the Dead River with 20 to 60 percent slopes well drained, upland soils predominate.

TABLE 5-1 SUMMARY OF FUNCTIONS & VALUES OF WETLANDS ON THE 120.84 ACRE GRAND FALLS TRACT

FUNCTION/VALUE	EXPLANATION
Groundwater Recharge/Discharge (GW)	Wetlands on river valley slopes of GFT are commonly associated with spring/seeps or sites of groundwater discharge and as part of the surface hydrologic system at other locations on GFT are recharge areas to the baseflow of the Dead River.
Flood flow Alteration (FF)	Spring Lake Twp is designated as "no data/No Specific Flood Hazard Area" (Dudley and Schalk 2006), however water levels along the Dead River are actively managed at the Long Falls Dam outlet of Flagstaff Lake by Brookfield Renewable Energy. In relation to these fluctuating water levels, a principal function of wetlands on the Grand Falls parcel that are along and hydrologically connected to the Dead River is Floodflow Alteration.
Fish and Shellfish Habitat (FH)	As observed during field surveys the Dead River at Grand Falls is popular for brook trout and landlocked salmon fishing. In 2017 the segment of the Dead River crossing T3 R4 BKP WKR where LET is located was stocked with approximately 1,550, 8- to 14-inch landlocked salmon and brook trout to support the fishery for recreational angler (MDIFW 2018). Freshwater mussels were observed along muddy shorelines of the Dead River upstream of Grand Falls.
Production Export (PE)	As evidenced by browse, droppings and other sign, woody vegetation in GFT wetlands is a fundamental food source for all herbivorous and omnivorous wildlife inhabiting the Tract. Seeds, roots and stems from herbaceous vegetation in not only PEM but PSS and PFO wetlands on GFT are also food sources for not only mammals, but the wide variety of birds, amphibians, reptiles, fish and insects that inhabit or traverse the Tract.
Sediment/Toxicant/ Pathogen Retention (STPR)	Micro-topography as well as woody and herbaceous vegetation throughout GFT wetlands physically slow surface water transport and retain these degraders of water quality to the Dead River. Sediments/toxicants/pathogens trapped with accumulation of vegetative remains as peat or other forms of hydric soils is another form of GF T wetlands protecting water quality of tributary streams and the Dead River.
Nutrient Removal (NR)	Micro-topography as well as woody and herbaceous vegetation throughout GFT wetlands slow surface water transport of nutrients protecting the Dead Rivera as well as lesser tributaries from water quality degradation (Photo 5.9). Direct uptake of nutrients by wetland vegetation and subsequent accumulation of dead vegetation in organic soils and peat is another pathway of GFT wetlands protecting water quality.
Sediment/Shoreline Stabilization (SS)	Riverine and palustrine wetlands aligned along both shores of the Dead River buffer and protect the adjoining upland shoreline from scour and erosion.
Wildlife Habitat (WH)	In addition to direct observation as well as tracks, droppings and other sign, moose, bear, deer, coyote, beaver, otter, mink and other smaller mammals are abundant on GFT that is further enhanced by the presence along the Dead River on the southern edge of the Tract of approximately 16 acres of a 1,542 acres moderate value IWWH. Based on the location and vegetative cover in the location of P-FW (060030) on the LUPC map (Figure 5.2) a Deer Wintering Area is located along the northeast side of GFT which also extends downstream along the Dead River to BT.
Educational/ Scientific Value (ED)	Educational values of GFT are recognized and promoted by a Maine Geologic Facts and Localities report by the Maine Geological Survey (Marvinney 2014). Due to proximity and connectivity, educational and scientific values of GFT are similar to those of the Bigelow Mountain-Flagstaff Lake-North Branch Dead River Focus Area of Statewide Ecological Significance (https://www.maine.gov/dacf/mnap/focusarea/bigelow_mountain_focus_area.pdf).
Recreation (REC)	GFT, crossed by the MHT network traveled by day, and through hikers is also used for camping cross country skiing and snowshoeing. The Northern Forest Canoe Trail (Photo 5.5) crosses the Tract which is the starting point for commercial Dead River rafting operation. The Tract is also regarded for trout and salmon fishing and hunting opportunities.

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5.8 Compensation

As part of the compensation package for NECEC, the approximately 120.84-acre Grand Falls Tract will be permanently protected by a conservation easement or similar instrument. Preservation of GFT (Figure 5.3) will expand on the Dead River Trail and Conservation Corridor and will encompass not only Grand Falls but also approximately 0.8 mile on each side of this reach of the Dead River which is designated as an Outstanding River Segment (Ch 200 §403). This key location will also augment Western Mountain conservation easement on the north side of the Dead River near the mouth of Spencer Stream. In addition, approximately 12 percent (14.41 acres) of the 120.84-acre GFT are comprised of a diverse mix of wetland types (PFO, PSS, PEM) with much of the PSS and PEM being part of the wetland in the Tract's 16.06-acre portion of a 1,542 acres moderate value IWWH. P-FW 060030 on the MLUPC Land Use Guidance Map (Figure 5.2) also indicates a Deer Wintering Area occurs in the northeast corner of GFT.

Two long established cabins and the Maine Huts and Trails bridge are presently the limit of residential type development at GFT. Portions of the Tract are zoned M-GN and additional development similar to the three cabins now on and immediately adjacent to GFT could therefore take place. Preservation of GFT would provide permanent protection from development and preserve the existing wetland based- wildlife, vernal pool, fish and shellfish habitats, water quality benefits, and recreational and educational opportunities.

5.9 Photographs

PHOTO 5-1 GRAND FALLS IS A HORSESHOE WATERFALL ON THE DEAD RIVER APPROXIMATELY 40 FEET TALL AND 200 FEET WIDE

PHOTO 5-2 GRAND FALLS ATTRACT VISITORS ANNUALLY FOR ITS SCENIC VIEWS AND NATURAL SPLENDOR

PHOTO 5-3 A MAINE HUTS AND TRAILS BRIDGE CROSSES THE DEAD RIVER UPSTREAM FROM GRAND FALLS

PHOTO 5-4 TWO CABINS ARE LOCATED ON THE TRACT (ONE ON EACH SIDE OF THE DEAD RIVER) AND A THIRD IS IMMEDIATELY ADJACENT TO THE WEST BOUNDARY

PHOTO 5-5 THE NORTHERN FOREST CANOE TRAIL AND THE MAINE HUTS AND TRAILS TRAIL SYSTEM PASS THROUGH THE TRACT; HERE A RACK AND A FOOD STORAGE BOX BESIDE THE PORTAGE TAKE OUT ALLOWS PADDLERS TO CARE FOR THEIR EQUIPMENT WHILE TAKING IN VIEWS OF GRAND FALLS

PHOTO 5-6 RELIC CRIBWORK LIKELY FROM HISTORIC LOGGING OPERATIONS SPANS THE WIDTH OF THE DEAD RIVER UPSTREAM FROM GRAND FALLS

PHOTO 5-7 THIS HISTORIC SIGN AND ITS RESPECTIVE CAMPSITE ARE LOCATED ON THE ISLAND, APPROXIMATELY ONE THIRD OF A MILE SOUTH OF THE BRIDGE (WARDEN MAYNARD ATWOOD OF KINGFIELD, MAINE, RETIRED IN 1984)

PHOTO 5-8 A "SIGNIFICANT VERNAL POOL" ON GFT PROVIDES HABITAT FOR SPOTTED SALAMANDER EGG MASSES

PHOTO 5-9 FORESTED WETLANDS (PFO4/1) ON GFT ARE TYPICALLY DOMINATED BY RED MAPLE, BALSAM FIR, NORTHERN WHITE CEDAR, AND YELLOW BIRCH

PHOTO 5-10 THIS TRIBUTARY STREAM TO THE DEAD RIVER IS DOMINATED BY AN ALDER SHRUB SWAMP WETLAND (PSS)

PHOTO 5-11 ALDER SHRUBLAND (PSS) OCCURS AS A FRINGE BETWEEN AN OPEN AREA AND A FORESTED WETLAND (PFO)

PHOTO 5-12 AN EMERGENT WETLAND (PEM) BORDERS THE WEST BANK OF THE DEAD RIVER, UPSTREAM FROM GRAND FALLS. FRESHWATER MUSSELS WERE FOUND ALONG THE SHORELINE IN THIS VICINITY

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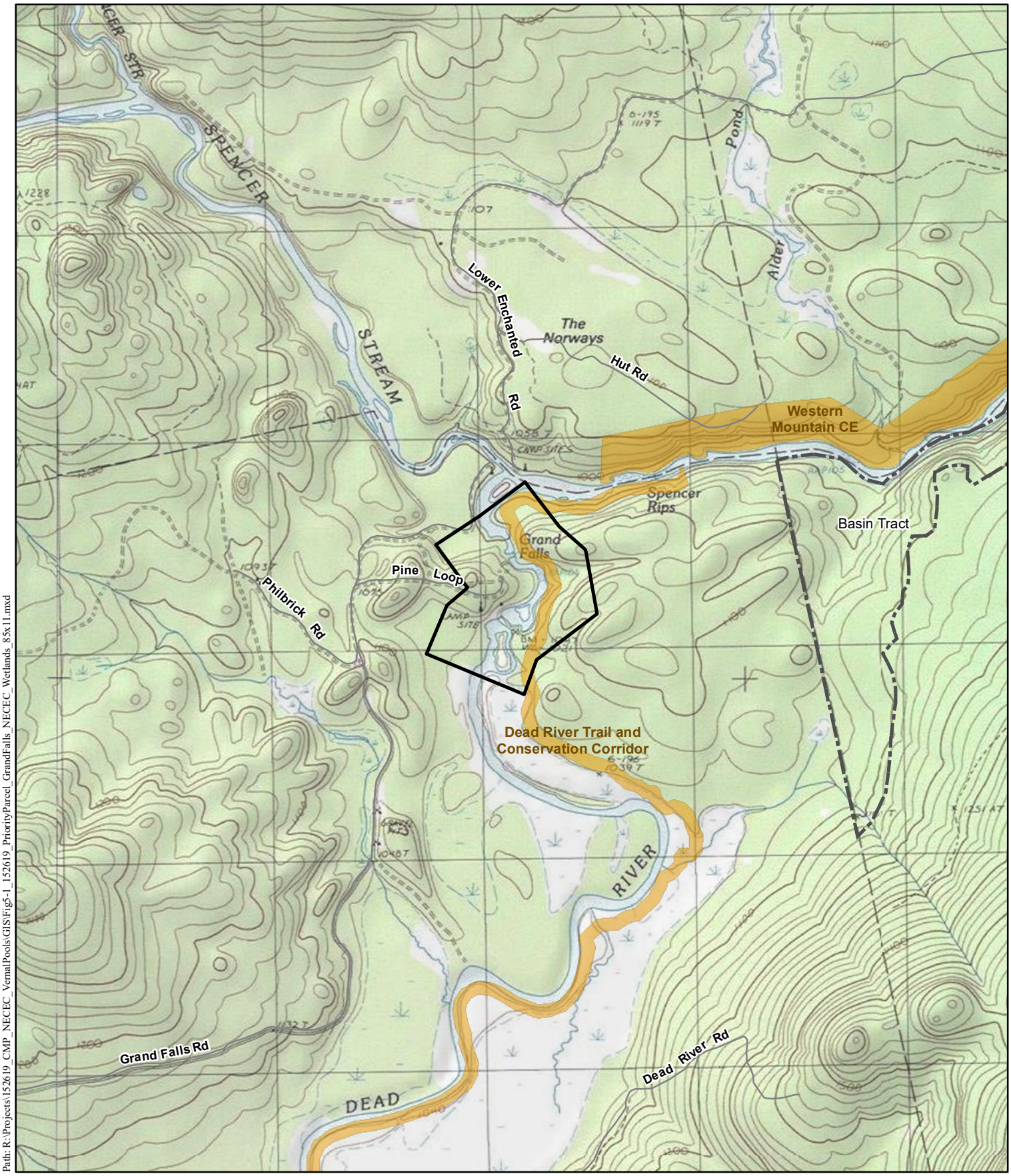

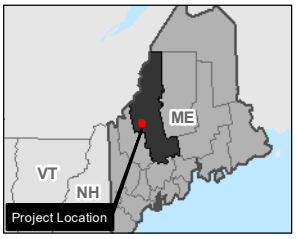

Road
Conserved Lands
Other Tract
Survey Area

N
W E
S

SCALE: 1 " = 2,000 '

0 1,000 2,000
Feet

Figure 5.1: Locus
Grand Falls Tract

Somerset County
Maine

Date:8/6/2018
Author: KK
Project: 152619

Central Maine Power

NECEC Compensation Parcels
Natural Resource Survey Results

CENTRAL MAINE POWER
POWER ENGINEERS

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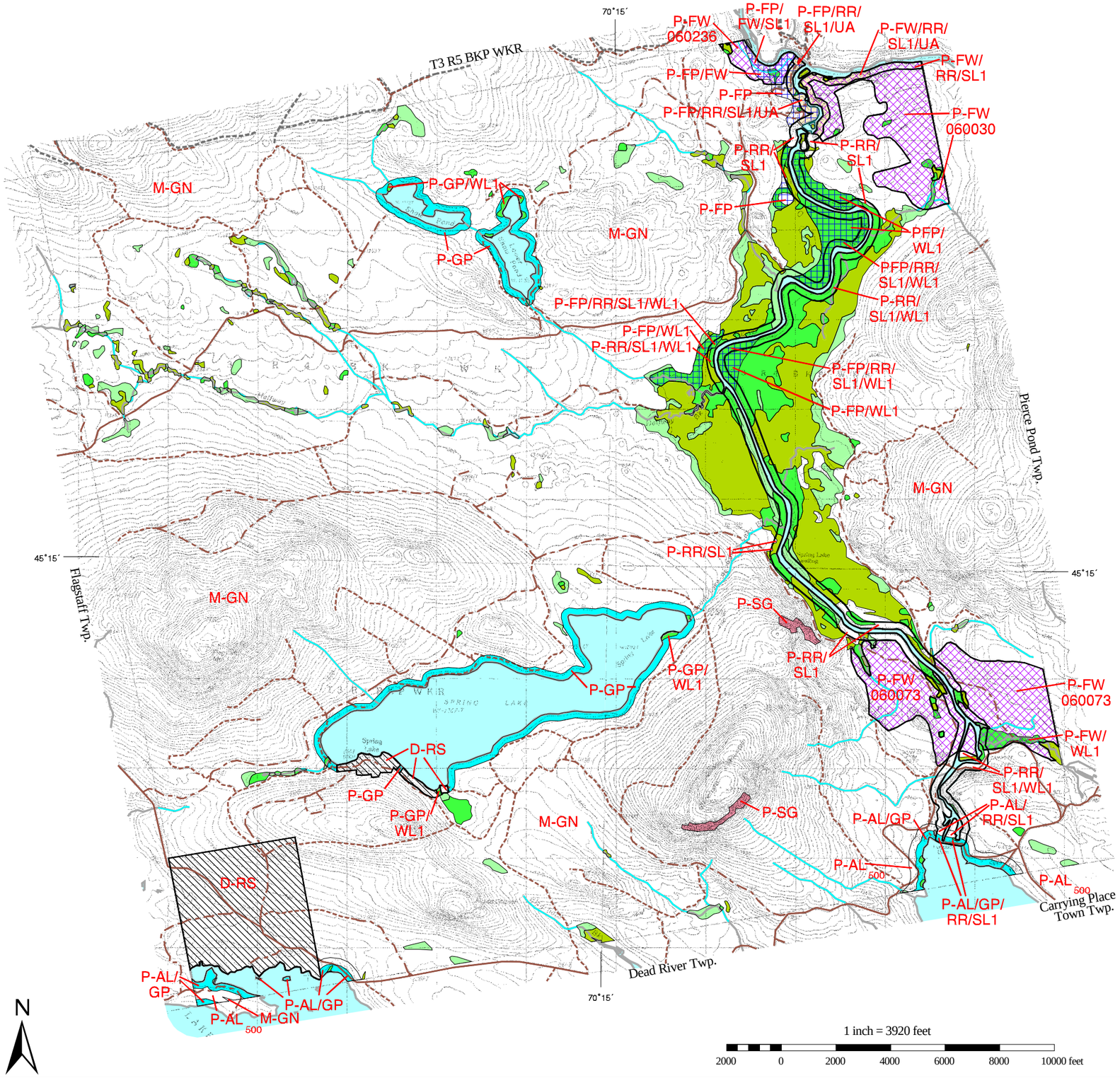
Land Use Guidance Map

T3 R4 BKP WKR

Spring Lake Twp.
Somerset County

Maine Department of Agriculture, Conservation and Forestry
LAND USE PLANNING COMMISSION
Augusta, Maine 04333−0022
(207) 287−2631
TTY (888) 577−6690
http://www.maine.gov/doc/lupc



N

1 inch = 3920 feet

2000 0 2000 4000 6000 8000 10000 feet

Legend

Development Subdistricts

D−RS Residential

Protection Subdistricts

- P−AL Accessible Lake
- P−FP Flood Prone
- P−FW Fish and Wildlife
- P−GP Great Pond
- P−RR Recreation −Water
- P−SG Soils and Geology
- P−SL1 250 ft Shoreland −Major
- P−SL2 75 ft Shoreland −Minor
- P−UA Unusual Area
- P−WL1 Wetlands − Significant
- P−WL2 Wetlands − Scrub−shrub
- P−WL3 Wetlands − Forested

Management Subdistricts

M−GN General

Water body

Improved road

Unimproved road

Trail

Areas designated as two or more protection zones are annotated with each zone, e.g. P−FP/FW/WL1, P−FP/SL1, etc., where necessary

or Subdistrict boundary

1 Zoning amendment

Topographic base, roads and trails from U.S. Geological Survey 7.5−minute map series

For the purpose of simplicity, this map does not show the Wetland Protection Subdistricts for areas identified pursuant to Section 10.16,K,2 such as beds of rivers, lakes, and other water bodies, and freshwater wetlands within 25 feet of stream channels, which are nevertheless within P−WL Subdistricts.

This map is a reduced version of the official Land Use Guidance Map. It is not certified to be a true and correct copy. Full size official LUPC Land Use Guidance Maps are available from the Commission at its Augusta office. Potential applicants unsure of their zoning should request a full size map from the Augusta office.

Land Use Guidance Map last amended on August 18, 2005

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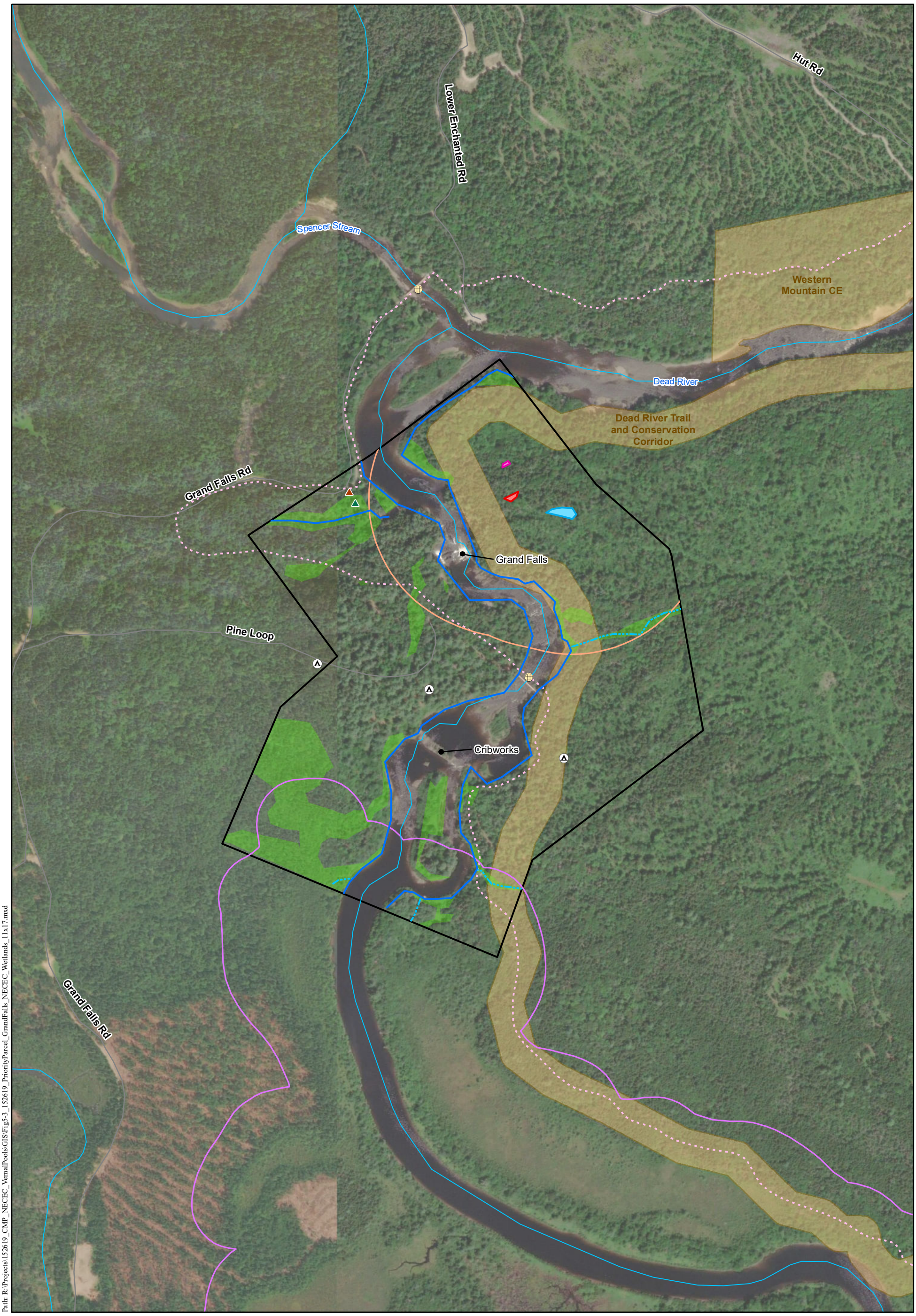

Path: R:\Projects\152619_CMP_NECEC_VernalPools\GIS\Fig5-3_152619_PriorityParcel_GrandFalls_NECEC_Wetlands_11x17.mxd

- Wetland Data Point
- Upland Data Point
- Stream (NHD)
- Maine Huts & Trails Bridge
- Cabin
- Maine Huts & Trails Main Trail
- Delineated Intermittent Stream
- Delineated Perennial Stream
- Road
- Delineated Wetland
- Significant Vernal Pool
- Potential Significant Vernal Pool
- Potential Vernal Pool
- Critical Terrestrial Habitat (750')
- Inland Waterfowl and Wading Bird Habitat
- Conservation Land
- Survey Area

1 " = 500 '

0 250 500

Feet

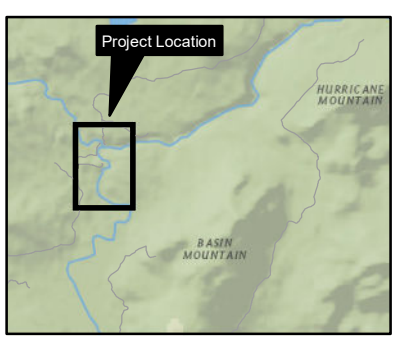

Figure 5.3: Natural Resources Grand Falls Tract

Somerset County Maine

NAD 1983 HARN StatePlane Maine West FIPS 1802 Feet Foot US
Transverse Mercator
North American 1983 HARN

Date: 8/6/2018
Author: KK
PEI: 152619

Central Maine Power

NECEC Compensation Parcels
Natural Resource Survey Results

CENTRAL MAINE POWER

POWER ENGINEERS

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APPENDIX 5A IPAC RESULTS: GRAND FALLS TRACT

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

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Project information

NAME

Compensatory Mitigation

LOCATION

Somerset County, Maine

DESCRIPTION

GFT

Local office

Maine Ecological Services Field Office

(207) 469-7300
(207) 902-1588

MAILING ADDRESS
P. O. Box A
East Orland, ME 04431

PHYSICAL ADDRESS
306 Hatchery Road
East Orland, ME 04431

http://www.fws.gov/mainefieldoffice/index.html

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Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Log in to IPaC.
2. Go to your My Projects list.
3. Click PROJECT HOME for this project.
4. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

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1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information.
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS

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Canada Lynx *Lynx canadensis* There is **final** critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/3652	Threatened
Northern Long-eared Bat *Myotis septentrionalis* No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9045	Threatened

Fishes

NAME	STATUS
Atlantic Salmon *Salmo salar* There is **final** critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/2097	Endangered

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

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Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php
- Measures for avoiding and minimizing impacts to birds http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php
- Nationwide conservation measures for birds http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf

THERE ARE NO MIGRATORY BIRDS OF CONSERVATION CONCERN EXPECTED TO OCCUR AT THIS LOCATION.

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures and/or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the E-bird Explore Data Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets .

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: The Cornell Lab of Ornithology All About Birds Bird Guide, or (if you are unsuccessful in locating the bird of interest there), the Cornell Lab of Ornithology Neotropical Birds guide. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and

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3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ “What does IPaC use to generate the migratory birds potentially occurring in my specified location”. Please be aware this report provides the “probability of presence” of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the “no data” indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ “Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds” at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

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Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

FRESHWATER EMERGENT WETLAND

- PEM1E

FRESHWATER FORESTED/SHRUB WETLAND

- PSS1E
- PSS1/EM1E
- PFO4E
- PFO1E
- PSS1F

RIVERINE

- R3UBH
- R2UBH
- R5UBH

A full description for each wetland code can be found at the National Wetlands Inventory website

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error

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is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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APPENDIX 5B VEGETATION LIST: GRAND FALLS TRACT

SCIENTIFIC NAME	COMMON NAME	FAMILY	WETLAND PLANT INDICATOR RATING [1, 2]
Abies balsamea	Balsam Fir	Pinaceae	FAC
Acer rubrum	Red Maple	Sapindaceae	FAC
Acer saccharum	Sugar Maple	Sapindaceae	FACU
Alnus incana sp. *rugosa*	Speckled Alder	Betulaceae	FACW
Anemone quinquefolia	Nightcaps	Ranunculaceae	FACU
Aralia nudicaulis	Wild Sarsaparilla	Araliaceae	FACU
Betula alleghaniensis	Yellow Birch	Betulaceae	FAC
Calamagrostis canadensis	Bluejoint	Poaceae	OBL
Carex trisperma	Three-Seed Sedge	Cyperaceae	OBL
Carex stricta	Tussock Sedge	Cyperaceae	OBL
Chamaedaphne calyculata	Leatherleaf	Ericaceae	OBL
Chamaepericlymenum canadense	Bunchberry	Cornaceae	FAC
Clematis virginiana	Devil's Darning Needles	Ranunculaceae	FAC
Clintonia borealis	Yellow Bluebead Lily	Liliaceae	FAC
Corylus cornuta	Beaked Hazelnut	Betulaceae	FACU
Fraxinus nigra	Black Ash	Oleaceae	FACW
Gaultheria hispidula	Creeping Spicy Wintergreen	Ericaceae	FACW
Geum rivale	Purple Avens	Rosaceae	OBL
Hypericum punctatum	Spotted St. John's Wort	Hypericaceae	FAC
Ilex verticillata	Common Winterberry	Aquifoliaceae	FACW
Lysimachia borealis	Starflower	Myrsinaceae	FAC
Maianthemum canadense	Canada Mayflower	Ruscaceae	FACU
Matteuccia struthiopteris	Ostrich Fern	Onocleaceae	FAC
Onoclea sensibilis	Sensitive Fern	Onocleaceae	FACW
Osmunda claytonia	Interrupted Fern	Osmundaceae	FAC
Osmundastrum cinnamomeum	Cinnamon Fern	Osmundaceae	FACW
Picea rubens	Red Spruce	Pinaceae	FACU
Pinus strobus	Eastern White Pine	Pinaceae	FACU
Populus balsamifera	Balsam Poplar	Salicaceae	FACW
Prunus virginiana	Chokecherry	Rosaceae	FACU
Ribes lacustre	Bristly Swamp Currant	Grossulariaceae	FACW
Rubus hispidus	Bristly Dewberry	Rosaceae	FACW
Rubus idaeus	Red Raspberry	Rosaceae	FACU
Solidago canadensis	Canadian Goldenrod	Asteraceae	FACU
Solidago rugosa	Wrinkle-Leaf Goldenrod	Asteraceae	FAC
Sorbus americana	American Mountain-Ash	Rosaceae	FAC

SCIENTIFIC NAME	COMMON NAME	FAMILY	WETLAND PLANT INDICATOR RATING [1, 2]
Spiraea alba var. *latifolia*	Meadowsweet	Rosaceae	FACW
Swida sericea	Red Osier Dogwood	Cornaceae	FACW
Thalictrum pubescens	Tall Meadow-Rue	Ranunculaceae	FACW
Thuja occidentalis	Northern White Cedar	Cupressaceae	FACW
Tiarella cordifolia	Foam Flower	Saxifragicaceae	FACU
Trillium erectum	Stinking Benjamin	Melanthiaceae	FACU
Uvularia sessilifolia	Sessile-Leaf Bellwort	Colchicaceae	FACU
Viola spp.	Violet	Violaceae	N/A
INDICATOR STATUS	OCCURRENCE IN WETLANDS (% per Reed, 1998)		
Obligate (OBL)	Almost always occurs in wetlands under natural conditions (99%)		
Facultative Wetland (FACW)	Usually in wetlands, occasionally found in non-wetlands (67- 99%)		
Facultative (FAC)	Equally likely to occur in wetlands and non-wetlands. (33-67%)		
Facultative Upland (FACU)	Usually in non-wetlands, occasionally found in wetlands (1-33%)		
Upland (UPL)	Almost always in non-wetlands under natural conditions (1%)		

[1] Lichvar, R.W., D.L. Banks, W.N. Kirchner, and N.C. Melvin. 2016. *The National Wetland Plant List*: 2016 wetland ratings. Phytoneuron 2016-30: 1-17.USACE National Wetland Plant List. Web.20 June 2018.

[2] Lichvar, R.W., N.C. Melvin, M.L. Butterwick, and W.N. Kirchner. 2012. National Wetland Plant List Indicator Rating Definitions. ERDC/CRREL TN-12-1, USACE Research and Development Center Cold Regions Research and Engineering Laboratory, Hanover, NH. Available at https://www.fws.gov/wetlands/documents/national-wetland-plant-list-indicator-rating-definitions.pdf [Verified 20 June 2018].

*Reed, P. B., Jr. 1988. *National List of Plant Species that Occur in Wetlands.* Washington, DC, USFWS.

6.0 LOWER ENCHANTED TRACT

6.1 Site Location Information

Municipality: Lower Enchanted Township **County:** Somerset

Biophysical Region: Central Mountains

Watershed (HUC 12): Enchanted Stream (010300020504),
Gulf Stream-Lower Dead River (010300020506)

NECEC Components within HUC 8 (01030002) Watershed: HVDC, New right of way

Closest NECEC Component: HVDC New ROW

Coordinates of Site Centroid (Lat/Long WGS 84): 45°19'50.89"N, 70°6'13.71"W

6.2 Natural Resource Inventory Summary (quantities are +/-):

Total Site Area .....235.60 acres

NWI Palustrine Wetland Area .....7.68 acres

Delineated and GPS-surveyed Palustrine Wetland Area .....12.97 acres

NHD Rivers and Streams .....19,210 feet (3.64 miles)

Outstanding River Segment (Ch 200 §403: Dead River)……..……..2.3 miles

Delineated and GPS-surveyed Rivers and Streams.....22,620 feet (4.28 miles)

Upland Area.....222.63 acres

Significant Vernal Pools .....None

Non-Significant Vernal Pools ……..1 high value PSVP, 5 low value VPs

Vernal Pool Critical Terrestrial Habitat (750 feet)..... 84.46 acres

6.3 Site Description

The approximately 235.60-acre Lower Enchanted Tract (hereafter “LET” or “the Tract”) has a configuration similar to an inverted “T” with approximately 1.33 miles of frontage on each side of Enchanted Stream (Photos 6.1 and 6.2) and 2.30 miles of frontage along the north side of the Dead River (Figure 6.1). Access to the east side of the LET is by Whiskey Springs Road from Lower Enchanted Road, from which a former logging road also leads to the west side of the Tract.

Although extensive timber harvesting has occurred on each side of Enchanted Stream to the Dead River, the entirety of LET remains essentially uncut and therefore contains a 3.63-mile undisturbed riparian corridor. Widths of the Tract along Enchanted Stream range from 250 to 1,050 feet and are typically 200 feet and 300 feet on the east and west sides, respectively, whereas along the Dead, widths range from 300 to 900 feet with representative widths on the upstream and downstream segments of 400 and 700 feet, respectively.

6.4 Surrounding Land Use, Protected Open Space and Focus Areas

Lower Enchanted Stream is spanned by a bridge on LET that is part of the Maine Huts and Trails network along the length of the Dead River (Figure 6.2, Photo 6.3). The Dead River (Photo 6.4) is heavily used by rafters and from Whiskey Springs Road; an appendage on the east side of the Tract provides emergency access to the River. Lower Enchanted Stream and the Dead River are also popular for brook trout (*Salvelinus fontinalis*) and landlocked salmon (*Salmo salar sebago*) fishing. In 2017, the segment of the Dead River crossing T3 R4 BKP WKR where LET is located was stocked with approximately 1,550, 8- to 14-inch landlocked salmon and brook trout to support the fishery for recreational anglers (MDIFW 2018). The northern tip of LET is within 150 feet of the southern terminus of a moderate value IWWH associated with Lower Enchanted Pond. There are no Focus Areas immediately adjacent to or within one mile of LET.

LET is displayed on Figure 6.2, MLUPC's Land Use Guidance Map for Lower Enchanted Twp. (T2 R5 BKP WKR). Most of LET is designated as a General Management Subdistrict M-GN). In addition, the following Protection Subdistricts occur at LET:

- P-RR – Recreation –Water
- P-SL1 – Shore Land within 250 feet of the normal high-water mark
- P-WL2 – Wetlands scrub shrub (PSS)
- P-WL3 – Wetlands forested wetlands (PFO)

6.5 Wildlife Use

Wildlife usage and habitat evaluations on LET were conducted based on field surveys, aerial photo interpretation of landscape and terrain, and research of IPaC results from the USFWS for endangered species, critical habitat, migratory birds, and fisheries in and around the area. According to the results of the IPaC report (Appendix 6A), two threatened species: Canada lynx (*Lynx canadensis*) and Northern long-eared bat (*Myotis septentrionalis*); and one endangered species – Atlantic salmon (*Salmo salar*) could be affected by activities on the property.

Bald eagles (*Haliaeetus leucocephalus*) likely make use of the LET riparian corridor. The wide Dead River valley lined with tall trees along the shoreline and valley walls is an ideal habitat area for bald eagles and other birds of prey. This allows for the birds to nest high and have a 360-degree view as well as have abundant fishing in the River. A pair of common ravens (*Corvus corax*) was observed sounding alarm calls as field crews approached what was likely their nest.

White-tailed deer (*Odocoileus virginianus*) and moose (*Alces alces*) droppings were observed, mainly on the gentler slopes of the Tract. American beech (*Fagus grandifolia*) is a common upland tree species and beech nuts, is a prevalent food source for deer, Eastern gray squirrel (*Sciurus carolinensis*), red squirrel (*Sciurus vulgaris*), chipmunks (*Tamias sp*.), and black bear (*Ursus americanus*). Coyote (*Canis latrans*), red fox (*Vulpes vulpes*) beaver (*Castor candensis*), mink (*Neovison vison*), river otter (*Lontar canadensis*), fisher (*Pekania pennanti*) and pine marten (*Martes americana)* are furbearers that inhabit or traverse the Tract.

Several pools harboring indicator species egg masses were observed on site including five low value natural vernal pools (VP) and one high value potentially significant vernal pool (PSVP) (Photo 6.5). Due to survey timing, only spotted salamander (*Ambystoma maculatum*) egg masses were observed, though the presence of wood frogs (*Lithobates sylvaticus*) is likely as well. American toads (*Anaxyrus americanus*) and green frogs (*Lithobates clamitans*) are other common amphibians observed within the Tract. Garter snakes (*Thamnophis spp*.) were also observed during field visits.

6.6 Vegetation

This Tract includes a variety of vegetative communities which provide different cover types and habitat characteristics. The Tract is primarily composed of mature forest, portions of which include dominantly deciduous and areas of mixed-growth (coniferous and deciduous) forest. In addition, there are also large areas of scrub-shrub communities, generally present along the periphery of the river. The eastern and western boundaries of the upstream portion of the parcel are characterized by early successional forests, predominantly big-toothed aspen (*Populus grandidentata*), balsam fir (*Abies balsamea*), paper birch (*Betula papyrifera*) and red spruce (*Picea rubens*).

Wetlands and uplands were identified in each type of vegetative community mentioned above. Dominant tree species in the upland forest are eastern hemlock (*Tsuga canadensis*), balsam fir, red spruce, and sugar maples (*Acer saccharum*). The shrub and sapling understory layer of the upland forest includes beaked hazelnut (*Corylus cornuta*), hobblebush (*Viburnum lantanoides*), and striped maple (*Acer pennsylvanicum*). Common forbs in the upland forest are painted trillium (*Trillium undulatum*), red trillium (*Trillium erectum*), yellow blue-bead lily (*Clintonia borealis*), and sarsaparilla (*Aralia nudicaulis*).

Forested wetlands (PFO) are dominated by red maple (*Acer rubrum*), balsam fir, yellow birch (*Betula allegheniensis*), northern white cedar (*Thuja occidentalis*), and black ash (*Fraxinus nigra*). The dominant understory plant in the PFO is sensitive fern (*Onoclea sensibilis*). The scrub-shrub wetlands (PSS) are dominated by speckled alder (*Alnus incana* ssp. *rugosa*) and meadowsweet (*Spiraea alba* var. *latifolia*), with occasional abundance of steeplebush (*Spiraea tomentosa*) and willow (*Salix* spp.). Herbaceous plants found in the shrublands are dominated by bluejoint grass (*Calamagrosits canadensis*), American false hellebore (*Veratrum viride*), and a suite of sedges (*Carex* spp.) and bulrushes (*Scirpus* spp.).

6.7 Wetland Characteristics, Functions and Values

Approximately 12.97 acres (5.5%) of the 235.60 total acres of the LET were identified as palustrine wetlands during the field surveys (Figure 5.3). Although the largest wetland type on the Tract is the Enchanted Stream covering approximately 6.67 acres, characterized as a permanently flooded, lower perennial riverine system with an unconsolidated bottom (R3UBH), as discussed earlier it is excluded from total palustrine wetland area. Accounting for both banks, LET contains approximately 2.7 miles of frontage along the Enchanted Stream. The Enchanted Stream flows southeast through the Tract to the Dead River (Photo 6.4). The Tract has a total of approximately 2.3 miles of frontage on the Dead River, including sections both upstream and downstream of the mouth of Enchanted Stream. The second most abundant wetland type is palustrine scrub shrub (PSS), typically displayed as a speckled alder thicket growing within the floodplain of the riverine system (Photo 6.6). The least abundant wetland type is palustrine forested, which typically occurs at the toe of slope between the Enchanted Stream and the steep hillsides along the stream valley. Variations of forested wetland (Photo 6.7) occur across LET such as those dominated by deciduous trees (PFO1) and those dominated by mixed coniferous-deciduous canopy (PFO4/1).

As mapped by the USDA NRCS on Web Soil Survey, the entire Lower Enchanted Tract consists of somewhat excessively drained (SED), well drained (WD), or moderately well drained (MWD) soils with slopes ranging between 15 and 60 percent. Due to the steep valley walls on both sides of Enchanted Stream any surface and groundwater rapidly flows directly to the stream channel, or are hillside seep wetlands delineated during field surveys (Photo 6.8). The Dead River valley contains a larger area of flatter slopes allowing for a higher abundance of poorly drained, hydric soils. Hydric soils were observed predominantly along the shores of Enchanted Stream and the Dead River.

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TABLE 6-1 SUMMARY OF FUNCTIONS & VALUES OF WETLANDS ON THE 235.60-ACRE LOWER ENCHANTED TRACT

FUNCTION/VALUE	EXPLANATION
Groundwater Recharge/Discharge (GW)	Wetlands on river valley slopes of LET are commonly associated with spring/seeps or sites of groundwater discharge and as part of the surface hydrologic system at other locations on LET are recharge areas to the baseflow of Enchanted Stream and the Dead River (Photo 6.8).
Flood flow Alteration (FF)	Lower Enchanted Twp is designated as "no data/No Specific Flood Hazard Area" (Dudley and Schalk 2006), however water levels along the Dead River are actively managed at the Long Falls Dam outlet of Flagstaff Lake by Brookfield Renewable Energy. In relation to these fluctuating water levels, a principal function of wetlands on the Lower Enchanted parcel that are along and hydrologically connected to the Dead River is Floodflow Alteration.
Fish and Shellfish Habitat (FH)	Lower Enchanted Stream and the Dead River are popular for brook trout and landlocked salmon fishing. In 2017, the segment of the Dead River crossing T3 R4 BKP WKR where LET is located was stocked with approximately 1,550, 8- to 14-inch landlocked salmon and brook trout to support the fishery for recreational angler (MDIFW 2018). Freshwater mussels observed upstream and downstream on GFT and BT along muddy shorelines of the Dead River are also likely to inhabit similar substrate on LET.
Production Export (PE)	As evidenced by browse, droppings and other sign, woody vegetation in LET wetlands is a fundamental food source for all herbivorous and omnivorous wildlife inhabiting the Tract. Seeds, roots and stems from herbaceous vegetation in not only PEM but PSS and PFO wetlands on GFT are also food sources for not only mammals, but the wide variety of birds, amphibians, reptiles, fish and insects that inhabit or traverse the Tract.
Sediment/Toxicant/ Pathogen Retention (STPR)	Micro-topography as well as woody and herbaceous vegetation throughout LET wetlands physically slow surface water transport and retain these degraders of water quality to the Dead River. Sediments/toxicants/pathogens trapped with accumulation of vegetative remains as peat or other forms of hydric soils is another form of LET wetlands protecting water quality of tributary streams and the Dead River.
Nutrient Removal (NR)	Micro-topography as well as woody and herbaceous vegetation throughout LET wetlands slow surface water transport of nutrients protecting the Dead River as well as lesser tributaries from water quality degradation. Direct uptake of nutrients by wetland vegetation and subsequent accumulation of dead vegetation in organic soils and peat is another pathway of LET wetlands protecting water quality.
Sediment/Shoreline Stabilization (SS)	Riverine and palustrine wetlands aligned along the north shore of the Dead River and both shores of Enchanted Stream buffer and protect the adjoining upland shoreline from scour and erosion (Photo 6.6).
Wildlife Habitat (WH)	In addition to direct observation as well as tracks, droppings and other sign, moose, bear, deer, coyote, beaver, otter, mink and other smaller mammals are abundant on LET. The northern tip of LET is within 150 feet of the southern terminus of a 276-acre moderate value IWWH associated with Lower Enchanted Pond.
Educational/ Scientific Value (ED)	Although there appear to be no records of educational use or scientific research, attributes of LET including the baseline of mapped resources and its remote location along riparian corridors of Enchanted Stream and the Dead River could be relevant to further study.
Recreation (REC)	LET is crossed by the MHT network traveled by day, and through hikers that is also used for camping cross country skiing and snowshoeing (Photo 6.3). Commercial river rafting on the Dead River pass along the shoreline of the Tract which also provides emergency access to the river. Enchanted Stream as well as the Dead River are regarded for trout and salmon fishing. Hunting opportunities are another recreational value of the Tract and its wetlands.

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6.8 Compensation

As part of the compensation package for NECEC, the approximately 235.60-acre Lower Enchanted Tract will be permanently protected by a conservation easement or similar instrument. Preservation of LET will link segments of and expand on the Western Mountain Conservation Easement and will encompass approximately 0.7 mile on both sides of Enchanted Stream as well as 2.3 miles along the north shoreline of the Dead River (Figure 6.3) which is designated as an Outstanding River Segment (Ch 200 §403). In addition, approximately 5.5 percent (12.97 acres) of the 235.60-acre LET are comprised of a mix of PSS and PFO riparian wetland.

Most of the Tract is zoned M-GN, and easily accessible by Whiskey Springs Road. Development of this otherwise undeveloped riparian Tract could therefore occur. Preservation of LET would provide permanent protection from development and preserve the existing wetland based-wildlife, vernal pool, fish and shellfish habitats, water quality benefits, and recreational, and educational values of this Tract.

6.9 Photographs

PHOTO 6-1 AN UPSTREAM VIEW FROM THE MHT BRIDGE DISPLAYS A POOL ON LOWER ENCHANTED STREAM

PHOTO 6-2 A DOWNSTREAM VIEW FROM THE MHT BRIDGE OF RIFFLES/RAPIDS ON LOWER ENCHANTED STREAM

PHOTO 6-3THE MHT TRAIL CROSSES LET LOCATED APPROXIMATELY FIVE MILES DOWNSTREAM ON THE DEAD RIVER FROM THE GRAND FALLS HUT

PHOTO 6-4 THE CONFLUENCE OF LOWER ENCHANTED STREAM (LEFT) AND THE DEAD RIVER (RIGHT SIDE) IS LOCATED NEAR THE CENTER OF THE TRACT.

PHOTO 6-5 A POTENTIALLY SIGNIFICANT VERNAL POOL (PSVP) FOUND ON THE EAST SIDE OF LOWER ENCHANTED STREAM PROVIDES HABITAT FOR SPOTTED SALAMANDER EGG MASSES, AS WELL AS OTHER ADULT AMPHIBIANS

PHOTO 6-6 SCRUB SHRUB FLOODPLAIN WETLANDS ARE ABUNDANT ALONG THE BANKS OF THE LOWER ENCHANTED STREAM (RIGHT SIDE OF PHOTO) AND ARE TYPICALLY DOMINATED BY SPECKLED ALDER AND MEADOWSWEET

PHOTO 6-7 A FORESTED WETLAND (PFO) OCCURS THROUGHOUT THE TRACT BETWEEN THE TOE OF SLOPE (AT LEFT) AND LOWER ENCHANTED STREAM

PHOTO 6-8 SEVERAL TRIBUTARY STREAMS RUN DOWN THE STEEP SLOPES OF THE VALLEY, ULTIMATELY DRAINING INTO THE LOWER ENCHANTED STREAM

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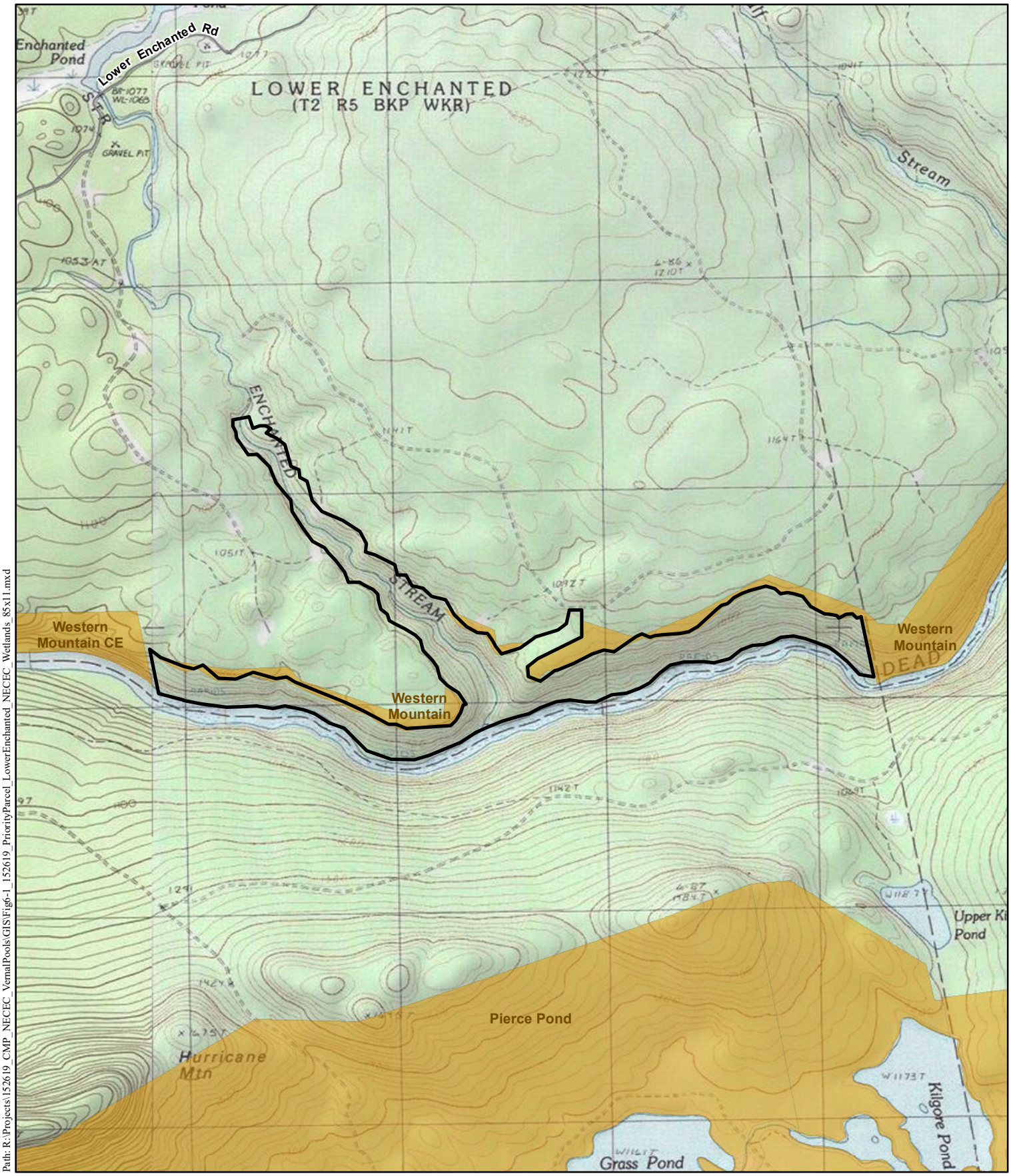

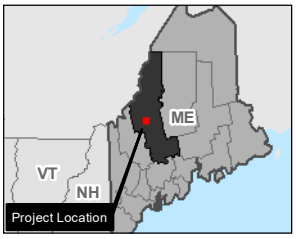

Road
Conserved Lands
Survey Boundary

N
W E
S

SCALE: 1 " = 2,000 '

0 1,000 2,000
Feet

Figure 6.1: Locus
Lower Enchanted Tract

Somerset County
Maine

Date:8/6/2018
Author: KK
Project: 152619

Central Maine Power

NECEC Compensation Parcels
Natural Resource Survey Results

CENTRAL MAINE POWER
POWER ENGINEERS

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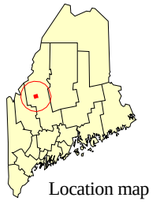
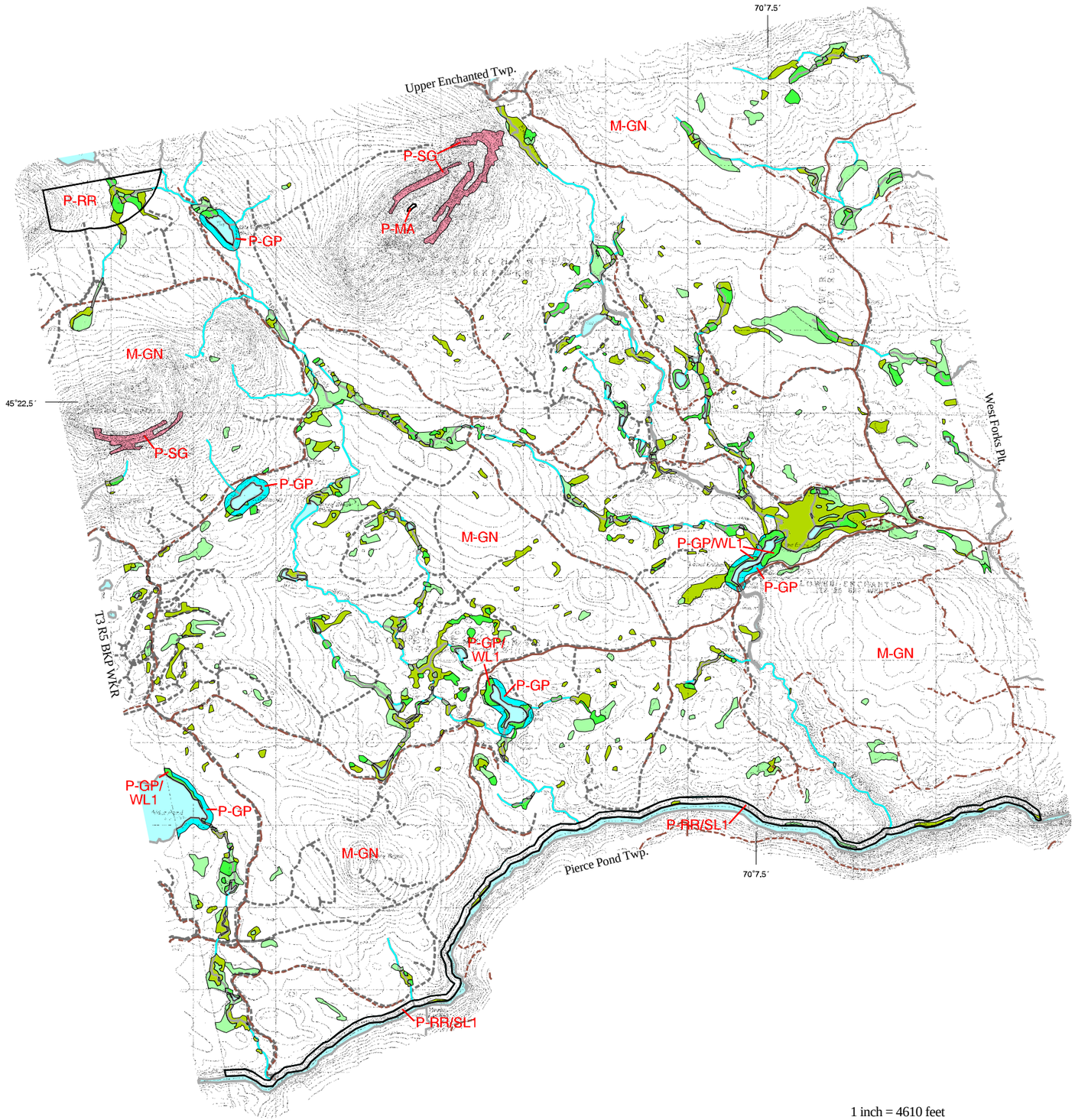
Land Use Guidance Map

Lower Enchanted Twp.

T2 R5 BKP WKR
Somerset County



Maine Department of Agriculture, Conservation and Forestry
LAND USE PLANNING COMMISSION
Augusta, Maine 04333−0022
(207) 287−2631
TTY (888) 577−6690
http://www.maine.gov/doc/lupc



N

1 inch = 4610 feet

2000 0 2000 4000 6000 8000 10000 feet

Legend

Development Subdistricts

Protection Subdistricts

- P−GP Great Pond
- P−MA Mountain Area
- P−RR Recreation −Water
- P−SG Soils and Geology
- P−SL1 250 ft Shoreland −Major
- P−SL2 75 ft Shoreland −Minor
- P−WL1 Wetlands − Significant
- P−WL2 Wetlands − Scrub−shrub
- P−WL3 Wetlands − Forested

Management Subdistricts

- M−GN General

- Water body
- Improved road
- Unimproved road
- Trail

Areas designated as two or more protection zones are annotated with each zone, e.g. P−FP/FW/WL1, P−FP/SL1, etc., where necessary

—— or —— Subdistrict boundary
(1) Zoning amendment

Topographic base, roads and trails from U.S. Geological Survey 7.5−minute map series

For the purpose of simplicity, this map does not show the Wetland Protection Subdistricts for areas identified pursuant to Section 10.16,K,2 such as beds of rivers, lakes, and other water bodies, and freshwater wetlands within 25 feet of stream channels, which are nevertheless within P−WL Subdistricts.

This map is a reduced version of the official Land Use Guidance Map. It is not certified to be a true and correct copy. Full size official LUPC Land Use Guidance Maps are available from the Commission at its Augusta office. Potential applicants unsure of their zoning should request a full size map from the Augusta office.

Land Use Guidance Map last amended on August 18, 2005

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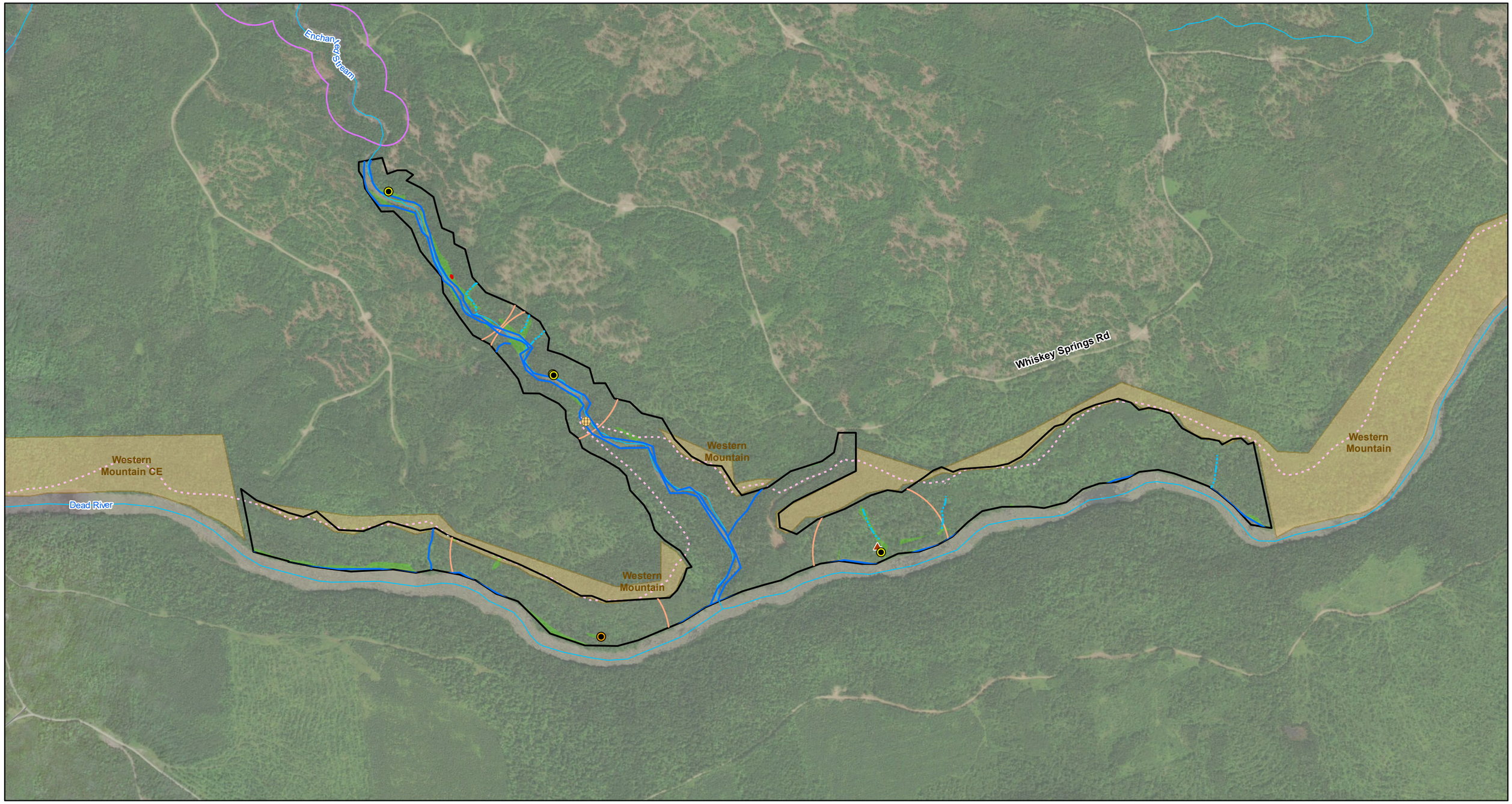

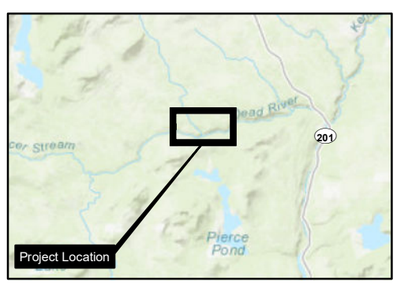

- Corps Vernal Pool
- Vernal Pool
- Wetland Data Point
- Upland Data Point
- Maine Huts & Trails Bridge
- Delineated Intermittent Stream
- Delineated Perennial Stream
- Stream (NHD)
- Critical Terrestrial Habitat (750')
- Potential Significant Vernal Pool
- Inland Waterfowl and Wading Bird Habitat
- Survey Area
- Maine Huts & Trails Main Trail
- Road
- Delineated Wetland
- Conservation Land

Figure 6.3: Natural Resources
Lower Enchanted Tract

Somerset County, Maine

DRAFT

0 500 1,000 2,000
Feet

1 " = 1,000 '

Page 1 of 1

Central Maine Power
NECEC Compensation Parcels
Natural Resource Survey Results

CENTRAL MAINE POWER

POWER ENGINEERS

Date: 8/6/2018; Author: KK; Project: 152619

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APPENDIX 6A IPAC RESULTS: LOWER ENCHANTED TRACT

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

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Project information

NAME

Compensatory Mitigation

LOCATION

Somerset County, Maine

DESCRIPTION

LET

Local office

Maine Ecological Services Field Office

(207) 469-7300
(207) 902-1588

MAILING ADDRESS
P. O. Box A
East Orland, ME 04431

PHYSICAL ADDRESS
306 Hatchery Road
East Orland, ME 04431

http://www.fws.gov/mainefieldoffice/index.html

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Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Log in to IPaC.
2. Go to your My Projects list.
3. Click PROJECT HOME for this project.
4. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

---

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information.
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS

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Canada Lynx *Lynx canadensis* There is **final** critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/3652	Threatened
Northern Long-eared Bat *Myotis septentrionalis* No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9045	Threatened

Fishes

NAME	STATUS
Atlantic Salmon *Salmo salar* There is **final** critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/2097	Endangered

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

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Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php
- Measures for avoiding and minimizing impacts to birds http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php
- Nationwide conservation measures for birds http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

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NAME	BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)
Bald Eagle *Haliaeetus leucocephalus* This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Dec 1 to Aug 31

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

■ probability of presence ■ breeding season | survey effort – no data

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

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Bald Eagle
Non-BCC Vulnerable (This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.)

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures and/or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the E-bird Explore Data Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets .

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: The Cornell Lab of Ornithology All About Birds Bird Guide, or (if you are unsuccessful in locating the bird of interest there), the Cornell Lab of Ornithology Neotropical Birds

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guide. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ “What does IPaC use to generate the migratory birds potentially occurring in my specified location”. Please be aware this report provides the “probability of presence” of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the “no data” indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize

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potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

FRESHWATER FORESTED/SHRUB WETLAND

- PSS1C
- PFO1C
- PSS1E

RIVERINE

- R3UBH

A full description for each wetland code can be found at the National Wetlands Inventory website

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Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

NOT FOR CONSULTATION

APPENDIX 6B VEGETATION LIST: LOWER ENCHANTED TRACT

SCIENTIFIC NAME	COMMON NAME	FAMILY	WETLAND PLANT INDICATOR RATING [1, 2]
Abies balsamea	Balsam Fir	Pinaceae	FAC
Acer rubrum	Red Maple	Sapindaceae	FAC
Acer saccharum	Sugar Maple	Sapindaceae	FACU
Actaea pachypoda	Doll's Eyes	Ranunculaceae	UPL
Alnus incana ssp. *rugosa*	Speckled Alder	Betulaceae	FACW
Anemone canadensis	Round-Leaf Thimbleweed	Ranunculaceae	FACW
Anemone quinquefolia	Nightcaps	Ranunculaceae	FACU
Aralia nudicaulis	Wild Sarsaparilla	Araliaceae	FACU
Arisaema triphyllum	Jack-in-the-Pulpit	Araceae	FAC
Athyrium angustum	Northern Lady Fern	Woodsiaceae	FAC
Betula alleghaniensis	Yellow Birch	Betulaceae	FAC
Calamagrostis canadensis	Bluejoint	Poaceae	OBL
Cardamine diphylla	Crinkle Root	Brassicaceae	FACU
Carex leptalea	Bristly-Stalk Sedge	Cyperaceae	OBL
Carex spp.	Sedge	Cyperaceae	N/A
Clintonia borealis	Yellow Bluebead Lily	Liliaceae	FAC
Corylus cornuta	Beaked Hazelnut	Betulaceae	FACU
Dichanthelium sp.	Rosette Grass	Poaceae	N/A
Eleocharis acicularis	Needle Spike-Rush	Cyperaceae	OBL
Equisetum scirpoides	Dwarf Scouring-Rush	Equisetaceae	FAC
Equisetum sylvaticum	Woodland Horsetail	Equisetaceae	FACW
Fagus grandifolia	American Beech	Fagaceae	FACU
Fraxinus americana	White Ash	Oleaceae	FACU
Fraxinus nigra	Black Ash	Oleaceae	FACW
Fraxinus pennsylvanica	Green Ash	Oleaceae	FACW
Galium aparine	Sticky-Willy	Rubiaceae	FACU
Galium palustre	Common Marsh Bedstraw	Rubiaceae	OBL
Geum rivale	Purple Avens	Rosaceae	OBL
Gymnocarpium dryopteris	Northern Oak Fern	Woodsiaceae	FACU
Lysimachia borealis	Starflower	Myrsinaceae	FAC
Maianthemum canadense	Canada Mayflower	Ruscaceae	FACU
Matteuccia struthiopteris	Ostrich Fern	Onocleaceae	FAC
Medeola virginiana	Indian Cucumber-Root	Liliaceae	FACU
Onoclea sensibilis	Sensitive Fern	Onocleaceae	FACW
Osmunda claytonia	Interrupted Fern	Osmundaceae	FAC
Osmundastrum cinnamomeum	Cinnamon Fern	Osmundaceae	FACW

SCIENTIFIC NAME	COMMON NAME	FAMILY	WETLAND PLANT INDICATOR RATING [1, 2]
Parathelypteris novaborecensis	New York Fern	Thelypteridaceae	FAC
Phegopteris connectilis	Narrow Beech Fern	Thelypteridaceae	FACU
Picea rubens	Red Spruce	Pinaceae	FACU
Pinus strobus	Eastern White Pine	Pinaceae	FACU
Populus balsamifera	Balsam Poplar	Salicaceae	FACW
Populus grandidentata	Big-Tooth Aspen	Salicaceae	FACU
Populus tremuloides	Quaking Aspen	Salicaceae	FACU
Prunus virginiana	Chokecherry	Rosaceae	FACU
Ribes glandulosum	Skunk Currant	Grossulariaceae	FACW
Ribes sp.	Currant	Grossulariaceae	N/A
Rubus idaeus	Red Raspberry	Rosaceae	FACU
Rubus hispidus	Bristly Dewberry	Rosaceae	FACW
Salix sp.	Willow	Salicaceae	N/A
Spiraea alba var. latifolia	Meadowsweet	Rosaceae	FACW
Streptopus lanceolatus	Rosy Bells	Liliaceae	FACU
Swida sericea	Red Osier Dogwood	Cornaceae	FACW
Thalictrum pubescens	Tall Meadow-Rue	Ranunculaceae	FACW
Thuja occidentalis	Northern White Cedar	Cupressaceae	FACW
Tiarella cordifolia	Heart-Leaf Foamflower	Saxifragicaceae	FACU
Trillium erectum	Stinking Benjamin	Melanthiaceae	FACU
Trillium undulatum	Painted Trillium	Melanthiaceae	FACU
Tsuga canadensis	Eastern Hemlock	Pinaceae	FACU
Tussilago farfara	Colt's-Foot	Asteraceae	FACU
Uvularia sessilifolia	Sessile-Leaf Bellwort	Colchicaceae	FACU
Veratrum viride	American False Hellebore	Melanthiaceae	FACW
Viburnum lantanoides	Hobblebush	Adoxaceae	FACU
Viola spp.	Violet	Violaceae	N/A
INDICATOR STATUS	OCCURRENCE IN WETLANDS (% per Reed, 1998)		
Obligate (OBL)	Almost always occurs in wetlands under natural conditions (99%)		
Facultative Wetland (FACW)	Usually in wetlands, occasionally found in non-wetlands (67- 99%)		
Facultative (FAC)	Equally likely to occur in wetlands and non-wetlands. (33-67%)		
Facultative Upland (FACU)	Usually in non-wetlands, occasionally found in wetlands (1-33%)		
Upland (UPL)	Almost always in non-wetlands under natural conditions (1%)		

[1] Lichvar, R.W., D.L. Banks, W.N. Kirchner, and N.C. Melvin. 2016. *The National Wetland Plant List*: 2016 wetland ratings. Phytoneuron 2016-30: 1-17.USACE National Wetland Plant List. Web.20 June 2018.

[2] Lichvar, R.W., N.C. Melvin, M.L. Butterwick, and W.N. Kirchner. 2012. National Wetland Plant List Indicator Rating Definitions. ERDC/CRREL TN-12-1, USACE Research and Development Center Cold Regions Research and Engineering Laboratory, Hanover, NH. Available at https://www.fws.gov/wetlands/documents/national-wetland-plant-list-indicator-rating-definitions.pdf [Verified 20 June 2018].*Reed, P. B., Jr. 1988. *National List of Plant Species that Occur in Wetlands.* Washington, DC, USFWS.

7.0 BASIN TRACT

7.1 Site Location Information

Municipality: Pierce Pond Township **County:** Somerset

Biophysical Region: Western Mountains

Watershed (HUC 12): Gulf Stream-Lower Dead River (010300020506)
Spring Lake-Upper Dead River (010300020502)

NECEC Components within HUC 8 (01030002) Watershed: HVDC, New ROW

Closest NECEC Component: HVDC New right of way

Coordinates of Site Centroid (Lat/Long WGS 84): 45°18'22.94"N, 70°10'43.99"W

7.2 Natural Resource Inventory Summary (quantities are +/-):

Total Site Area .....697.06 acres

NWI Palustrine Wetland Area.....9.73 acres

Delineated and GPS-surveyed Palustrine Wetland Area.....63.37acres

NHD Rivers and Streams.....25,750 feet (4.88 miles)

Delineated and GPS-surveyed Rivers and Streams.....35,210 feet (6.67 miles)

Outstanding River Segment (Ch 200 §403: Dead River)…… 4.16 miles

Upland Area..... .....633.69 acres

Significant Vernal Pools .....None

Other Non-Significant Vernal Pools Types……1 low value VP, 1 low value CVP, 4 PVP

Vernal Pool Critical Terrestrial Habitat (750 feet) .....69.56 acres

Deer Wintering Area……180 acres

7.3 Site Description

The approximately 697.06-acre Basin Tract (hereafter “BT” or “the Tract”) is located on the north side of Basin and Hurricane Mountains and has approximately 4.2 miles of frontage along the south side of the Dead River (Figure 7.1, Photos 7.1 and 7.2). Widths of the Tract from the Dead River range between approximately 300 and 5,780 feet at the west property line which coincides with the township boundary shared by T2R4 (Pierce Pond) and T3R4. In the vicinity of a perennial stream near the Tract’s mid-length along the Dead River, the width is approximately 2,800 feet, upstream and downstream of which representative widths of BT are 1,500 and 1,200 feet, respectively.

Timber harvesting occurred along the southern side of the Tract since September 2013, however along the Dead River, the entirety of BT remains uncut and is therefore a 4.2-mile undisturbed riparian corridor. Access to the east end of BT is from North Bowtown road and the west end can be reached on foot from the Maine Huts and Trails across the Dead River bridge at Grand Falls.

7.4 Surrounding Land Use, Protected Open Space and Focus Areas

BT has no cabins or trails, but does have a campsite along the Dead River (Photos 7.3 and 7.4) and is otherwise undeveloped. The Tract is displayed on Figure 7.3, MLUPC's Land Use Guidance Map for Pierce Pond Twp. (T2 R4 BKP WKR). Most of BT is designated as General Management Subdistrict M-GN). In addition, the following Protection Subdistricts occur at BT:

- P-FW – Fish and Wildlife 060030
- P-RR – Recreation –Water
- P-SL1 – Shore Land within 250 feet of the normal high-water mark
- P-SL2 – Shore Land within 75 feet of the normal high-water mark
- P-WL1 – Wetlands of special significance (WOSS)
- P-WL2 – Wetlands scrub shrub (PSS)

Approximately one mile south of the 697-acre BT there are approximately 10,000 contiguous acres of Conserved Lands encompassing: Pierce Pond, Grass Pond, Kilgore Pond, Split Rock Pond, Higher Pond, Dixon Pond, Fernald Pond and Horseshoe Pond as well as the Appalachian Trail Corridor. There are no Focus Areas immediately adjacent to or within one mile of BT.

7.5 Wildlife Use

Wildlife usage and habitat evaluations on BT were conducted based on field surveys, aerial photo interpretation of landscape and terrain, and research of IPaC results from the USFWS for endangered species, critical habitat, migratory birds, and fisheries in and around the area. According to the results of the IPaC report (Appendix 7A), two threatened species - Canada lynx (*Lynx canadensis*) and Northern long-eared bat (*Myotis septentrionalis*) - and one endangered species – Atlantic salmon (*Salmo salar*) could be affected by activities on the property.

During field surveys, either evidence of or actual sightings occurred for moose (*Alces alces*), white-tailed deer (*Odocoileus virginianus*), black bear (*Ursus americanus*), red fox (*Vulpes vulpes*), Eastern gray squirrel (*Sciurus carolinensis*), red squirrel (*Sciurus vulgaris*), woodland jumping mouse (*Napaeozapus insignisand*), chipmunks (*Tamias sp*.) and snowshoe hare (*Lepus americanus*). Based on the location and vegetative cover in the location of P-FW (060030) on the LUPC map (Figure 6.2), an approximately 180-acre Deer Wintering Area is located along the riparian corridor across the center of the Tract and along west boundary which also extends upstream along the Dead River to GFT. Coyote (*Canis latrans*), beaver (*Castor candensis*), mink (*Neovison vison*), river otter (*Lontar canadensis*), fisher (*Pekania pennanti*) and pine marten (*Martes americana)* are furbearers that inhabit or traverse the Tract.

Several bird species were observed and heard on the property including, but not limited to bald eagle (*Haliaeetus leucocephalus*), sharp-shinned hawk (*Accipiter striatus*), common raven (*Corvus corax*), American robin (*Turdus migratorius*), and wood thrush (*Hylocichla mustelina*). The Tract has been logged in upland portions in past years; however, this disturbance allows for opportunistic, successional plant species to colonize such as red raspberry which increases in cut areas and has a positive impact on food sources for many birds and animals

Vernal pools on the property consist of one low value vernal pools, one low value Corps vernal pools and four potential vernal pools. The vernal pool contained spotted salamander (*Ambystoma maculatum*) egg masses at the time of observation (Photo 7.5). The other pools have the potential to harbor wood frog (*Lithobates sylvaticus*) egg masses, but due to survey timing, finding presence of such egg masses was not possible. Garter snakes (*Thamnophis* spp.) American toads (*Anaxyrus americanus*), and green frogs (*Lithobates clamitans*) were also observed during field surveys.

7.6 Vegetation

The property includes a variety of vegetative communities which provide different cover types, habitat characteristics, and ecological function. The property is primarily composed of mature mixed coniferous-deciduous forest. There are also large swaths of scrub-shrub floodplain wetlands along the Dead River and early successional forest close to the southern boundary where there is evidence of historic logging operations.

Uplands and wetlands were identified in the mixed coniferous-deciduous forests. Dominant tree species in the forested uplands include American beech (*Fagus grandifolia*), eastern hemlock (*Tsuga canadensis*), eastern white pine (*Pinus strobus*), red spruce (*Picea rubens*), and red maple (*Acer rubrum*). Common woody plants in the shrub stratum include striped maple (*Acer pennsylvanicum*), mountain maple (*Acer spicatum*), hobblebush (*Viburnum lantanoides*), and beaked hazelnut (*Corylus cornuta*). Common forbs and grasses in the upland forested understory are northern long-awned wood grass (*Brachyelytrum aristosum*), whorled aster (*Oclemena acuminate*), starflower (*Lysimachia borealis*), rosy bells (*Streptopus lanceolatus*), sarsaparilla (*Aralia nudicaulis*), elliptic-leaved shinleaf (*Pyrola elliptica*) and evergreen wood fern (*Dryopteris intermedia*).

Forested wetlands typically occur at the base of the slope on a terraced flat above the riverine floodplain. Dominant tree species in the forested wetland include northern white cedar (*Thuja occidentalis*), yellow birch (*Betula allegheniensis*), balsam fir (*Abies balsamea*) and red maple. Common herbaceous plants in the forested wetland understory (Photo 7.6) include interrupted fern (*Osmunda claytonia*), sensitive fern (*Onoclea sensibilis*), jewelweed (*Impatiens capensis*), bedstraw (*Galium* spp.), fowl manna grass (*Glyceria striata*), and sedges (*Carex* spp.).

The early successional forest around previously logged areas are dominated by gray birch (*Betula populifolia*), quaking aspen (*Populus tremuloides*), balsam poplar (*Populus balsamifera*), opportunistic red raspberry (*Rubus idaeus*) and other early successional species such as fireweed (*Chamerion angustifolium*), drooping sedge (*Carex gynandra*), sweet vernal grass (*Anthoxanthum odoratum*), timothy grass (*Phleum pretense*), bent grass (*Agrostis* spp.), common St. John's wort (*Hypericum perforatum*), vetch (*Vicia* sp.), flat top goldenrod (*Euthamia graminifolia*), and hawkweeds (*Hieracium* spp).

Due to the steep sloping topography of the site, toe of slope seeps and ephemeral drainages occur sporadically throughout the tract, creating microclimatic wetlands that exist in channels (Photo 7.7). Common understory plants found in these habitats include foam flower (*Tiarella cordifolia*), jewelweed, enchanter's nightshade (*Circaea alpine*), sensitive fern, sedges, and buttercups (*Ranunculus* spp.).

The scrub-shrub wetlands occur primarily along the banks of the Dead River and are subject to seasonal flooding linked to dam releases upstream. Dominant shrubs in this habitat are speckled alder (*Alnus incana* ssp. *rugosa*), meadowsweet (*Spiraea alba* var. *latifolia*), and red-osier dogwood (*Swida sericea*). Common herbaceous plants are Canada goldenrod (*Solidago Canadensis*), Kentucky bluegrass (*Poa pratensis*), Virginia virgin's bower (*Clematis virginiana*), northern long-awned wood grass (*Brachyelytrum aristosum*), wrinkle leaved goldenrod (*Solidago rugosa*), tall meadow-rue (*Thalictrum pubescens*), and bedstraw (*Galium* spp.).

7.7 Wetland Characteristics, Functions and Values

Approximately 63.37 acres (9.1%) of the 697 total acres of the BT were identified as palustrine wetland during the field survey effort. The primary wetland system is palustrine forested (PFO4/1) (Photo 7.8), generally located on topographic terraces between the palustrine scrub shrub (PSS) floodplain of the Dead River and the steep slopes on the southern end of the site. The portion of the forested wetland located on the BT totals approximately 48.6 acres. The second most abundant wetland is palustrine scrub shrub, which occupies a total of 14.7 acres of the property (Photo 7.9). The Dead River, a permanently flooded, upper perennial riverine system with an unconsolidated bottom (R3UBH) that flows west to east, is the northern property boundary. Approximately 4.2 river miles of the Dead River frontage occurs on the Tract (Photos 7.1 and 7.2). The section of the Dead that flows along the BT boundary has a moderate velocity with varying classes of whitewater that fluctuate with seasonal high water and upstream dam releases. This creates outstanding recreational opportunities for rafters and kayakers. Approximately 1.5 miles downstream of the northwestern boundary of the Tract, an unnamed stream (R3UBH) flowing south to north through upland forest, joins the Dead River (Photo 7.10). This area has been identified by LUPC as a significant deer wintering habitat.

As mapped by the USDA NRCS on Web Soil Survey, approximately 330 acres (47%), of BT is underlain by very poorly drained (VPD) and somewhat poorly drained (SPD) hydric soils. These areas of hydric soils typically occur on slopes of 0 to 15 percent. Map Unit Name and Symbols for hydric soils at BT include:

- Bucksport and Wonsqueak mucks (WO) – VPD organic soils derived from vegetation deposited in water with 0 to 2 percent slopes.
- Colonel-Peru-Pillsbury (PD) association (CNC) – SPD mineral soils of loamy and coarse loamy textures with 3 to 15 percent slopes.
- Colonel-Pillsbury (PD)-Skerry association (CRB) – SPD mineral soils of loamy and coarse loamy textures with 0 to 8 percent slopes.

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TABLE 7-1 SUMMARY OF FUNCTIONS & VALUES OF WETLANDS ON THE 697.06 ACRE BASIN TRACT

FUNCTION/VALUE	EXPLANATION
Groundwater Recharge/Discharge (GW)	Wetlands on river valley slopes of BT are commonly associated with spring/seeps or sites of groundwater discharge and as part of the surface hydrologic system at other locations on BT are recharge areas to the baseflow of the Dead River (Photo 7.7).
Flood flow Alteration (FF)	Pierce Pond Twp is designated as "no data/No Specific Flood Hazard Area" (Dudley and Schalk 2006), however water levels along the Dead River are actively managed at the Long Falls Dam outlet of Flagstaff Lake by Brookfield Renewable Energy. In relation to these fluctuating water levels, a principal function of wetlands on the Basin Tract that are along and hydrologically connected to the Dead River is Floodflow Alteration.
Fish and Shellfish Habitat (FH)	The Dead River is popular for brook trout and landlocked salmon fishing. Downstream in 2017, the segment of the Dead River crossing T3 R4 BKP WKR where LET is located was stocked with approximately 1,550, 8- to 14-inch landlocked salmon and brook trout to support the fishery for recreational angler (MDIFW 2018). Freshwater mussels were observed on BT along muddy shorelines of the Dead River.
Production Export (PE)	As evidenced by browse, droppings and other sign, woody vegetation in BT wetlands is a fundamental food source for all herbivorous and omnivorous wildlife inhabiting the Tract. Seeds, roots and stems from herbaceous vegetation in not only PEM but PSS and PFO wetlands on BT are also food sources for not only mammals, but the wide variety of birds, amphibians, reptiles, fish and insects that inhabit or traverse the Tract.
Sediment/Toxicant/ Pathogen Retention (STPR)	Micro-topography (Photo 7.5) as well as woody and herbaceous vegetation throughout BT wetlands physically slow surface water transport and retain these degraders of water quality to the Dead River. Sediments/toxicants/pathogens trapped with accumulation of vegetative remains as peat or other forms of hydric soils is another form of BT wetlands protecting water quality of tributary streams and the Dead River.
Nutrient Removal (NR)	Micro-topography as well as woody and herbaceous vegetation throughout BT wetlands slow surface water transport of nutrients protecting the Dead River as well as lesser tributaries from water quality degradation. Direct uptake of nutrients by wetland vegetation and subsequent accumulation of dead vegetation in organic soils and peat is another pathway of BT wetlands protecting water quality.
Sediment/Shoreline Stabilization (SS)	Riverine and palustrine wetlands aligned along the south shore of the Dead River buffer and protect the adjoining upland shoreline from scour and erosion (Photos 7.1 and 7.2).
Wildlife Habitat (WH)	In addition to direct observation as well as tracks, droppings and other sign, moose, bear, deer, coyote, beaver, otter, mink and other smaller mammals are abundant on BT. Based on the location and vegetative cover in the location of P-FW (060030) on the LUPC map (Figure 6.2), a Deer Wintering Area is located along the riparian corridor across the center of the Tract and along west boundary which also extends upstream along the Dead River to GFT.
Educational/ Scientific Value (ED)	Although there appear to be no records of educational use or scientific research attributes of BT including, the baseline of mapped resources and remote location along riparian corridors of Enchanted Stream and the Dead River could be relevant to further study.
Recreation (REC)	Established camps sites occur on BT (Photo 7.3) and the MHT network is on the opposite shore of the Dead River and traveled by day, and through hikers and also used for camping, cross country skiing and snowshoeing. Commercial river rafting on the Dead River passes along the shoreline of the Tract. The Dead River is also regarded for trout and salmon fishing. Hunting opportunities are another recreational value of the Tract and its wetlands.

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7.8 Compensation

As part of the compensation package for NECEC, the approximately 697.06-acre Basin Tract will be permanently protected by a conservation easement or similar instrument. Preservation of BT will permanently protect 4.16 miles of intact and unaltered riparian buffer along the south side of the Dead River that is designated as an Outstanding River Segment (Ch 200 §403). Approximately one mile south of the Tract is more than 10,000 contiguous acres of Conserved Lands that encompass at least eight essentially unaltered or sparsely developed "great ponds." In addition, approximately nine percent (63.37 acres) of the 697.06-acre BT are comprised of a mix of PSS and PFO wetland types.

BT is accessible by Bowtown Road and most of the Tract is zoned M-GN. Development of this otherwise undeveloped Tract could therefore occur. Preservation of GFT would provide permanent protection from development and preserve the existing deer wintering area, wetland based wildlife, vernal pool, fish and shellfish habitats, water quality benefits, and recreational and educational opportunities.

7.9 Photographs

PHOTO 7-1 THE BASIN TRACT HAS APPROXIMATELY 4.2 MILES OF RIVER FRONTAGE ON THE SOUTHERN BANK OF THE DEAD RIVER

PHOTO 7-2 WHITEWATER RAPIDS OF VARYING DIFFICULTY GRADES OCCUR ALONG THE DEAD RIVER JUST NORTH OF THE BASIN TRACT PROPERTY BOUNDARY

PHOTO 7-3 A LOGGING ROAD LEADS FROM THE SOUTHERN PROPERTY BOUNDARY DOWNHILL TO AN ACTIVE CAMPSITE ALONG THE DEAD RIVER

PHOTO 7-4 FIRE PERMITS FROM THE MAINE FOREST SERVICE FOREST ARE REQUIRED AT THE CAMPSITE IN THE PREVIOUS PHOTOGRAPH

PHOTO 7-5 PIT AND MOUND MICRO-RELIEF OF THE FORESTED WETLANDS (PFO) PROVIDE POTENTIAL TOPOGRAPHIC CHARACTERISTICS SUITABLE TO VERNAL POOLS

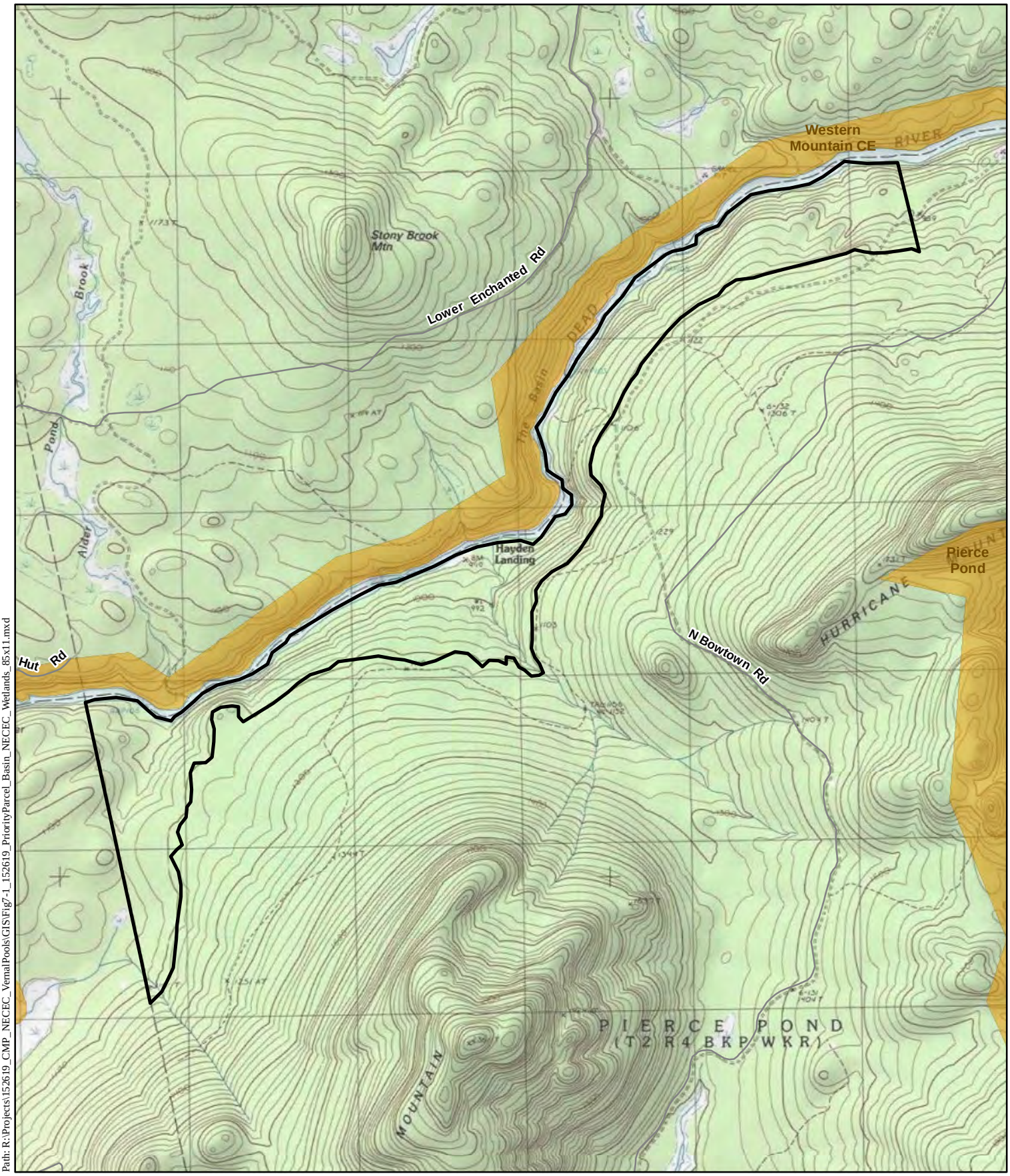
PHOTO 7-6 HYDROPHYTIC GRAMINOIDS ARE COMMON UNDERSTORY PLANTS IN THE FLOODPLAIN FOREST NEAR THE BANKS OF THE DEAD RIVER

PHOTO 7-7 EPHEMERAL CHANNELS CROSSING THE STEEP SLOPES ON THE SOUTHERN EDGE OF THE BASIN TRACT CONVEY DRAINAGE FROM THE LOGGED AREA TO THE DEAD RIVER

PHOTO 7-8 CEDAR AND YELLOW BIRCH FORESTS (PFO1/4), ABUNDANT ON THE BASIN TRACT, ARE OFTEN ASSOCIATED WITH SEEPS HAVING PIT AND MOUND MICRO-TOPOGRAPHY CHARACTERISTIC OF FORESTED WETLANDS

PHOTO 7-9 SCRUB-SHRUB WETLAND (PSS) DOMINATED BY SPECKLED ALDER AVERAGE APPROXIMATELY 30 FEET IN WIDTH ALONG THE DEAD RIVER SHORELINE

PHOTO 7-10 THE RIPARIAN CORRIDOR ALONG THIS PERENNIAL STREAM, LOCATED IN THE CENTER OF THE TRACT, IS IDENTIFIED BY THE LAND USE PLANNING COMMISSION AS PART OF A SIGNIFICANT FISH AND WILDLIFE USAGE AREA (P-FW 060030)



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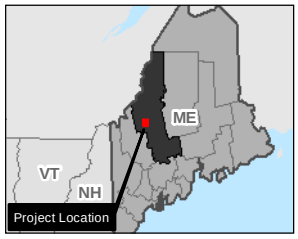

Road

Conserved Lands

Survey Boundary

N
W E
S

SCALE: 1 " = 2,500 '

0 1,250 2,500
Feet

Figure 7.1: Locus
Basin Tract

Somerset County
Maine

Date:8/6/2018
Author: KK
Project: 152619

Central Maine Power

NECEC Compensation Parcels
Natural Resource Survey Results

CENTRAL MAINE POWER

POWER ENGINEERS

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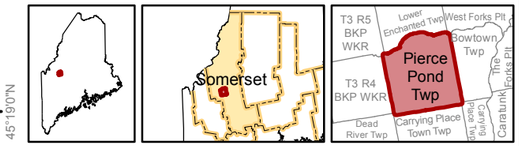
Pierce Pond Twp.

T2 R4 BKP WKR

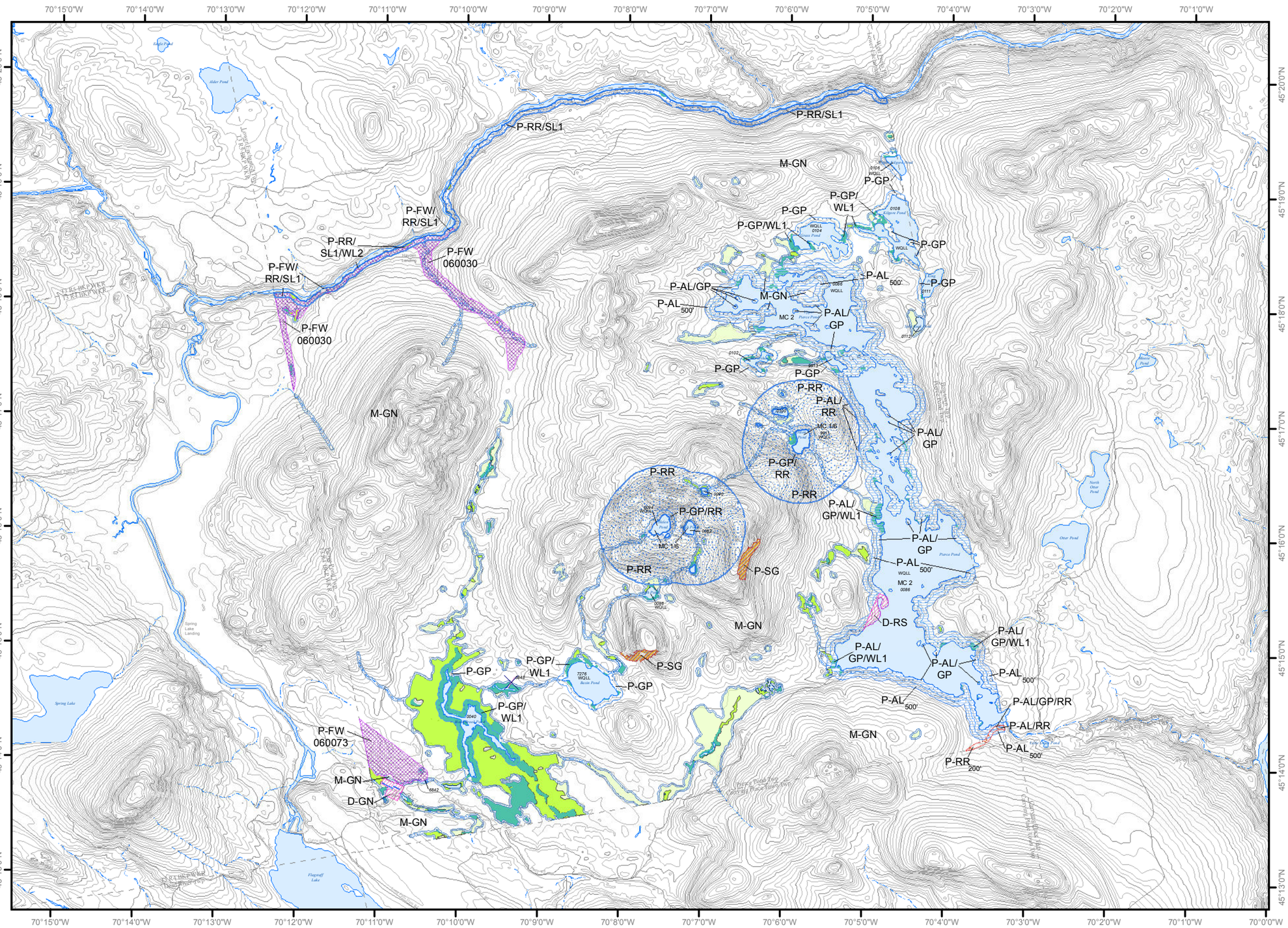
Somerset County



Land Use Guidance Map

Department of Agriculture, Conservation and Forestry

Maine Land Use Planning Commission



Legend

DEVELOPMENT SUBDISTRICTS

- D-GN: General

MANAGEMENT SUBDISTRICTS

- M-GN: General

PROTECTION SUBDISTRICTS

- P-AL: Accessible Lake
- P-FW: Fish and Wildlife
- P-GP: Great Pond
- P-RR200: Recreation - 200'
- P-RR: Recreation
- P-SG: Soils and Geology
- P-SL1: Shoreland - 250'
- P-SL2: Shoreland - 75'
- P-WL1: Wetlands of Special Significance
- P-WL2: Scrub-shrub Wetlands
- P-WL3: Forested Wetlands

This map does not show all designated P-WL Subdistricts, such as non-tidal water bodies and freshwater wetlands within 25 feet of flowing waters.

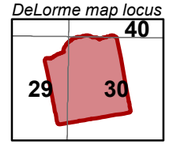
This map is a reducedsize version and should not be considered definitive. Full sized, official Land Use Guidance Maps are available on the LUPC website or by request.

Amendments			
Location #	Zoning Permit	Effective Date	Remarks
		08/18/2005	Adoption of digital NWI wetlands

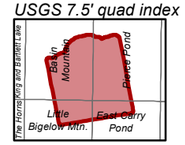
0 1,500 3,000 4,500 6,000 Meters

0 5,200 10,400 15,600 20,800 Feet

DeLorme map locus



USGS 7.5' quad index



(1) Map amendment location

▲ Point at which a river drains 25 square miles - symbol points upstream (12 M.R.S. Sec. 682-B(4))

9999 MIDAS number: Unique number assigned to each standing body of water in Maine.

WQLL Water Quality Limiting Lake - Refer to Section 10.23,E,3,g of the Commission's Land Use Districts and Standards.

MC# Lake Management Classes - Refer to Section 10.02 (Definitions) of the Commission's Land Use Districts and Standards.

SOURCES: Maine Land Use Planning Commission, USGS

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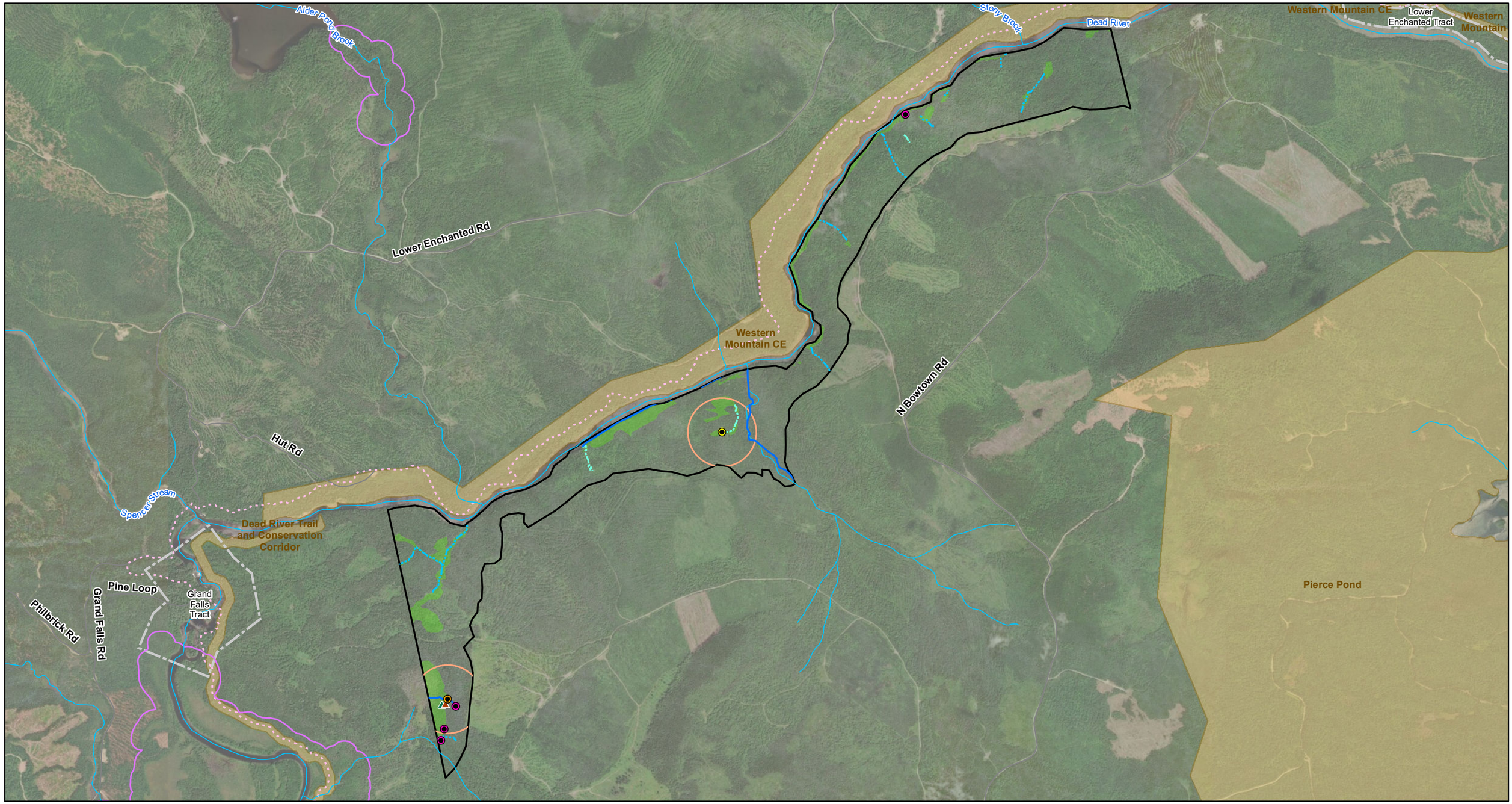
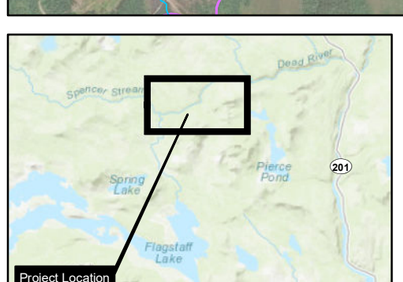
Path: R:\Projects\152619_CMP_NECEC_VernalPools\GIS\Fig7-3_152619_PriorityParcel_Basin_NECEC_Wetlands_11x17L.mxd





- Corps Vernal Pool
- Vernal Pool
- Potential Vernal Pool
- Wetland Data Point
- Upland Data Point
- Delineated Ephemeral Stream
- Delineated Intermittent Stream
- Delineated Perennial Stream
- Stream (NHD)
- Critical Terrestrial Habitat (750')
- Maine Huts & Trails Main Trail
- Road
- Inland Waterfowl and Wading Bird Habitat
- Survey Area
- Other Tract
- Delineated Wetland
- Conservation Land

Figure 7.3: Natural Resources
Basin Tract

Somerset County, Maine

DRAFT

0 1,000 2,000 4,000
Feet

1 " = 2,000 '

Page 1 of 1

Central Maine Power
NECEC Compensation Parcels
Natural Resource Survey Results

CENTRAL MAINE POWER

POWER ENGINEERS

Date: 8/6/2018; Author: KK; Project: 152619

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APPENDIX 7A IPAC RESULTS: BASIN TRACT

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

NOT FOR CONSULTATION

Project information

NAME

Compensatory Mitigation

LOCATION

Somerset County, Maine

DESCRIPTION

BT

Local office

Maine Ecological Services Field Office

(207) 469-7300
(207) 902-1588

MAILING ADDRESS
P. O. Box A
East Orland, ME 04431

PHYSICAL ADDRESS
306 Hatchery Road
East Orland, ME 04431

http://www.fws.gov/mainefieldoffice/index.html

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Log in to IPaC.
2. Go to your My Projects list.
3. Click PROJECT HOME for this project.
4. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

---

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information.
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS

NOT FOR CONSULTATION

Canada Lynx *Lynx canadensis* There is **final** critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/3652	Threatened
Northern Long-eared Bat *Myotis septentrionalis* No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9045	Threatened

Fishes

NAME	STATUS
Atlantic Salmon *Salmo salar* There is **final** critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/2097	Endangered

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

NOT FOR CONSULTATION

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php
- Measures for avoiding and minimizing impacts to birds http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php
- Nationwide conservation measures for birds http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf

THERE ARE NO MIGRATORY BIRDS OF CONSERVATION CONCERN EXPECTED TO OCCUR AT THIS LOCATION.

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures and/or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the E-bird Explore Data Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets .

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: The Cornell Lab of Ornithology All About Birds Bird Guide, or (if you are unsuccessful in locating the bird of interest there), the Cornell Lab of Ornithology Neotropical Birds guide. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and

NOT FOR CONSULTATION

3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ “What does IPaC use to generate the migratory birds potentially occurring in my specified location”. Please be aware this report provides the “probability of presence” of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the “no data” indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ “Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds” at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

NOT FOR CONSULTATION

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

FRESHWATER EMERGENT WETLAND

PEM1E

FRESHWATER FORESTED/SHRUB WETLAND

PSS1E
PFO4E

RIVERINE

R3UBH

A full description for each wetland code can be found at the National Wetlands Inventory website

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

NOT FOR CONSULTATION

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

NOT FOR CONSULTATION

APPENDIX 7B VEGETATION LIST: BASIN TRACT

SCIENTIFIC NAME	COMMON NAME	FAMILY	WETLAND PLANT INDICATOR RATING [1, 2]
Abies balsamea	Balsam Fir	Pinaceae	FAC
Acer pennsylvanicum	Striped Maple	Sapindaceae	FACU
Acer rubrum	Red Maple	Sapindaceae	FAC
Acer spicatum	Mountain Maple	Sapindaceae	FACU
Actaea rubra	Red Baneberry	Ranunculaceae	FACU
Agrostis capillaris	Colonial Bentgrass	Poaceae	FAC
Alnus incana ssp. *rugosa*	Speckled Alder	Betulaceae	FACW
Amelanchier laevis	Smooth Shadbush	Rosaceae	N/A
Anemone quinquefolia	Nightcaps	Ranunculaceae	FACU
Anthoxanthum odoratum	Sweet Vernal Grass	Poaceae	FACU
Apocynum cannabinum	Indian Hemp	Apocynaceae	FAC
Aralia nudicaulis	Wild Sarsaparilla	Araliaceae	FACU
Arctium minus	Common Burdock	Asteraceae	FACU
Arisaema triphyllum	Jack-in-the-Pulpit	Araceae	FAC
Betula alleghaniensis	Yellow Birch	Betulaceae	FAC
Betula payrifera	Paper Birch	Betulaceae	FACU
Betula populifolia	Gray Birch	Betulaceae	FAC
Brachyelytrum aristosum	Northern Long-Awned Wood Grass	Poaceae	FACU
Campanula rotundifolia	Scotch Bellflower	Campanulaceae	FACU
Carex cryptolepis	Northeastern Sedge	Cyperaceae	OBL
Carex debilis	White-Edged Sedge	Cyperaceae	FACW
Carex disperma	Soft-Leaf Sedge	Cyperaceae	FACW
Carex gracillima	Graceful Sedge	Cyperaceae	FACU
Carex gynandra	Nodding Sedge	Cyperaceae	OBL
Carex intumescens	Greater Bladder Sedge	Cyperaceae	FACW
Carex stipata	Stalk-Grain Sedge	Cyperaceae	OBL
Chamaepericlymenum canadense	Bunchberry	Cornaceae	FAC
Chamerion angustifolium	Narrow-Leaved Fireweed	Onagraceae	N/A
Circaea alpina	Small Enchanter's Nightshade	Onagraceae	FACW
Clematis virginiana	Virginia Virgin's Bower	Ranunculaceae	FAC
Clintonia borealis	Yellow Bluebead Lily	Liliaceae	FAC
Coptis trifolia	Three-Leaf Goldthread	Ranunculaceae	FACW
Corylus cornuta	Beaked Hazelnut	Betulaceae	FACU
Crataegus sp.	Hawthorne	Rosaceae	N/A
Diervilla lonicera	Bush-Honeysuckle	Caprifoliaceae	N/A
Dryopteris intermedia	Evergreen Wood Fern	Dryopteridaceae	FAC

SCIENTIFIC NAME	COMMON NAME	FAMILY	WETLAND PLANT INDICATOR RATING [1, 2]
Epipactis helleborine	Broad-Leaved Helleborine	Orchidaceae	UPL
Equisetum arvense	Field Horsetail	Equisetaceae	FAC
Equisetum scirpoides	Dwarf Scouring Rush	Equisetaceae	FAC
Equisetum sylvaticum	Woodland Horsetail	Equisetaceae	FACW
Euthamia graminifolia	Flat-Top Goldentop	Asteraceae	FAC
Fragaria virginiana	Common Strawberry	Rosaceae	FACU
Fraxinus americana	White Ash	Oleaceae	FACU
Fraxinus nigra	Black Ash	Oleaceae	FACW
Galium aparine	Scratch Bedstraw	Rubiaceae	FACU
Galium odoratum	Sweet-Scented Bedstraw	Rubiaceae	N/A
Galium triflorum	Fragrant Bedstraw	Rubiaceae	FACU
Gaultheria hispidula	Creeping Snowberry	Ericaceae	FACW
Glyceria striata	Fowl Manna Grass	Poaceae	OBL
Gymnocarpium dryopteris	Northern Oak Fern	Woodsiaceae	FACU
Hieracium aurantiacum	Orange Hawkweed	Asteraceae	N/A
Hypericum perforatum	Common St. John's Wort	Hypericaceae	FACW
Impatiens capensis	Spotted Touch-Me-Not	Balsaminaceae	FACW
Lonicera canadensis	American Fly-Honeysuckle	Caprifoliaceae	FACU
Lysimachia borealis	Starflower	Myrsinaceae	N/A
Lysimachia terrestris	Swamp Candles	Myrsinaceae	OBL
Matteuccia struthiopteris	Ostrich Fern	Onocleaceae	FAC
Medeola virginiana	Indian Cucumber Root	Liliaceae	FACU
Mitchella repens	Partridge Berry	Rubiaceae	FACU
Oclemena acuminata	Whorled Aster	Asteraceae	FACU
Onoclea sensibilis	Sensitive Fern	Onocleaceae	FACW
Osmunda claytonia	Interrupted Fern	Osmundaceae	FAC
Osmunda regalis	Royal Fern	Osmundaceae	OBL
Osmundastrum cinnamomeum	Cinnamon Fern	Osmundaceae	FACW
Oxalis montana	Northern Wood Sorrel	Oxalidaceae	FACU
Parathelypteris novaborecensis	New York Fern	Thelypteridaceae	FAC
Phegopteris connectilis	Long Beech Fern	Thelypteridaceae	FACU
Phleum pratense	Common Timothy	Poaceae	FACU
Picea rubens	Red Spruce	Pinaceae	FACU
Plantanthera aquilonis	North Wind Bog-Orchid	Orchidaceae	FACW
Poa pratensis ssp. *pratensis*	Kentucky Blue Grass	Poaceae	FACU
Populus balsamifera	Balsam Poplar	Salicaceae	FACW
Populus tremuloides	Quaking Aspen	Salicaceae	FACU
Prunella vulgaris	Common Self-Heal	Lamiaceae	FAC

SCIENTIFIC NAME	COMMON NAME	FAMILY	WETLAND PLANT INDICATOR RATING [1, 2]
Prunus nigra	Canada Plum	Rosaceae	FACU
Pyrola elliptica	Elliptic-Leaved Shinleaf	Ericaceae	FACU
Ranunculus spp.	Crowfoot	Ranunculaceae	N/A
Ribes glandulosum	Skunk Currant	Grossulariaceae	FACW
Ribes lacustre	Bristly Swamp Currant	Grossulariaceae	FACW
Rosa blanda	Smooth Rose	Rosaceae	FACU
Rubus hispidus	Bristly Dewberry	Rosaceae	FACW
Rubus idaeus	Red Raspberry	Rosaceae	FACU
Sambucus racemosa ssp. *pubens*	Red Elderberry	Adoxaceae	FACU
Sanicula marilandica	Maryland Sanicle	Apiaceaea	FACU
Scutellaria lateriflora	Mad Dog Skullcap	Lamiaceae	OBL
Solidago canadensis	Canadian Goldenrod	Asteraceae	FACU
Solidago rugosa	Wrinkle-Leaf Goldenrod	Asteraceae	FACU
Sorbus americana	American Mountain Ash	Rosaceae	FAC
Spinulum annotinum	Bristly Clubmoss	Lycopodiaceae	FAC
Streptopus lanceolatus	Rosy Bells	Liliaceae	FACU
Swida alternifolia	Alternate-Leaved Dogwood	Cornaceae	FACU
Swida sericea	Red Osier Dogwood	Cornaceae	FACW
Symphyotrichum lateriflorum	Calico American Aster	Asteraceae	FAC
Thalictrum pubescens	Tall Meadow-Rue	Ranunculaceae	FACW
Thuja occidentalis	Northern White Cedar	Cupressaceae	FACW
Trillium erectum	Stinking Benjamin	Melanthiaceae	FACU
Trillium undulatum	Painted Trillium	Melanthiaceae	FACU
Tsuga canadensis	Eastern Hemlock	Pinaceae	FACU
Vaccinium angustifolium	Common Lowbush Blueberry	Ericaceae	FACU
Viburnum lantanoides	Hobblebush	Adoxaceae	FACU
Viola spp.	Violets	Violaceae	N/A
INDICATOR STATUS	OCCURRENCE IN WETLANDS (% per Reed, 1998)		
Obligate (OBL)	Almost always occurs in wetlands under natural conditions (99%)		
Facultative Wetland (FACW)	Usually in wetlands, occasionally found in non-wetlands (67- 99%)		
Facultative (FAC)	Equally likely to occur in wetlands and non-wetlands. (33-67%)		
Facultative Upland (FACU)	Usually in non-wetlands, occasionally found in wetlands (1-33%)		
Upland (UPL)	Almost always in non-wetlands under natural conditions (1%)		

[1] Lichvar, R.W., D.L. Banks, W.N. Kirchner, and N.C. Melvin. 2016. *The National Wetland Plant List*: 2016 wetland ratings. Phytoneuron 2016-30: 1-17. USACE National Wetland Plant List. Web.20 June 2018.
[2] Lichvar, R.W., N.C. Melvin, M.L. Butterwick, and W.N. Kirchner. 2012. National Wetland Plant List Indicator Rating Definitions. ERDC/CRREL TN-12-1, USACE Research and Development Center Cold Regions Research and Engineering Laboratory, Hanover, NH. Available at https://www.fws.gov/wetlands/documents/national-wetland-plant-list-indicator-rating-definitions.pdf [Verified 20 June 2018].

*Reed, P. B., Jr. 1988. *National List of Plant Species that Occur in Wetlands.* Washington, DC, USFWS.

8.0 SUMMARY AND CONCLUSIONS

8.1 Potential Compensation Tracts Summary

The extent and composition of the surveyed natural resources on the six potential compensation tracts displayed on Figures 2.2 (LJPT), 3.3 (FLT), 4.3 (PPT), 5.3 (GFT) 6.3 (LET) and 7.3 (BT) are summarized in Table 8.1.

TABLE 8-1 NECEC POTENTIAL COMPENSATION TRACTS NATURAL RESOURCE SUMMARY

WETLAND TYPE (acres)	LJPT	FLT	PPT	GFT	LET	BT
PUB	-	-	8.40	-	-	-
PEM	50.11	16.48	3.13	0.46	-	-
PSS	-	94.71	4.80	2.97	8.18	14.72
PFO	18.36	312.77	2.00	11.08	4.79	48.65
Total Palustrine Wetland Area (acres)	68.46	423.96	18.33	14.51	12.97	63.37
Total Palustrine Wetland Percentage of Tract (%)	62.37	50.99	22.56	12.00	5.46	9.09
R2 (river-miles)	0.12	1.52	0.78	1.11	-	-
R3 (river-miles)	-	-	-	0.45	5.13	4.21
R4 (river-miles)	-	0.52	-	-	-	-
Total Riverine Frontage (miles)	0.12	2.04	0.78	1.56	5.13	4.21
R2 (acres)	-	-	-	14.92	-	-
R3 (acres)	-	-	-	3.74	6.67	-
Total Riverine Area (acres)	N/A	N/A	N/A	18.66	6.67	N/A
Total Riverine Wetland Percentage of Tract (%)	N/A	N/A	N/A	15.44	10.24	N/A
L1UB (miles)	-	8.50	-	-	-	-
Total Lacustrine Frontage (miles)	N/A	8.50	N/A	N/A	N/A	N/A
Total Lacustrine Frontage and Wetland Percentage of Tract (%)	62.73	50.99	22.56	27.44	15.70	9.90

Additional information describing the surveyed natural resources on the six Compensation Tracts displayed on Figures 2.2 (LJPT), 3.3 (FLT), 4.3 (PPT), 5.3 (GFT) 6.3 (LET) and 7.3 (BT) is presented in Table 8.2.

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TABLE 8-2 NECEC POTENTIAL COMPENSATION TRACTS SUMMARY

	PHYSICAL ATTRIBUTES	WETLAND CLASSIFICATION	FUNCTIONS AND VALUES	SWH / JUXTAPOSITION	DEVELOPMENT
Little Jimmie Pond –Harwood (LJPT) 109.77 Acres	Wetlands: 68.46 acres Streams: 3,030 feet (ft) (0.58 miles [mi]) Frontage: 0.17 mi Hutchinson Pond	NWI: L1UB, PFO4/1, PSS, PEM WOSS: SWH (moderate value IWWH), GP250, FP, PT, RSB	Principal: GW, FF, WH, FH, PE, STPR, NR, SS, ED, REC	SWH: 211.5-acre medium ranked IWWH, candidate DWA, 2 PSVPs Conserved Land: 886-acre Jamie's Pond WMA, 81-acre Hutchinson Pond (KLT)	Zoning: Rural/Residential (R1) – 2.0-acre Shoreland Zone Resource Protection Aquifer Overlay
Flagstaff Lake (FLT) 831.39 Acres (76.31 Acres Leased)	Wetlands: 423.96 acres Streams: 10,790 ft (2.04 mi) Frontage: 8.5 miles Flagstaff Lake	NWI: L1UB, PFO1/4 PSS, PEM, PUB WOSS: SWH (high value IWWH), GP 250, 20k POW/PEM, FP, PT, RSB	Principal: GW, FF, WH, FH, PE, STPR, NR, SS, ED, REC	SWH: 36.5-acre high value IWWH, 1 PSVP Conserved Land: Bigelow Preserve, Dead River Peninsula, Dead River Trail & Conservation Corridor, Appalachian Trail Corridor	Zoning: M-GN P-AL, P-GP, P-SL2 P-WL1, P-WL2, P-WL3
Pooler Ponds (PPT) 81.24 Acres	Wetlands: 18.33 acres Streams: 4,480 ft (0.85 mi) Frontage: 0.8 mi Kennebec River	NWI: R2UB, PFO1/4, PSS, PEM, PUB WOSS: SWH (moderate value IWWH), GP 250, 20k POW/PEM, FP, RSB	Principal: GW, FF, WH, FH, PE, STPR, NR, SS, ED, REC	SWH: 31.39 moderate value IWWH Conserved Land: none within 1.0 mile Appalachian Trail Corridor 3.4 miles to south	Zoning: M-GN P-GP, P-SL1, P-SL2, P-WL1, WQLL
Grand Falls (GFT) 120.84 Acres (< 1 acre leased)	Wetlands: 14.51 acres Streams: 5,610 ft (1.06 mi) Frontage: 0.7 mi Dead River	NWI: R3UB, PFO1/4, PSS, PEM WOSS: SWH (moderate value IWWH), 20k POW/PEM, FP, PT, RSB	Principal: GW, FF, WH, FH, PE, STPR, NR, SS, ED, REC	SWH: 16.01 acres of 1,542-acre moderate value IWWH, DWA (LUPC): 1 SVP, 1 PSVP Conserved Land: Dead River Trail & Conservation Corridor	Zoning: M-GN P-FP, P-FW 0600300 P-RR, P-SL1, P-UA P-WL1, P-WL2, P-WL3

	PHYSICAL ATTRIBUTES	WETLAND CLASSIFICATION	FUNCTIONS AND VALUES	SWH / JUXTAPOSITION	DEVELOPMENT
Lower Enchanted (LET) 235.60 Acres	Wetlands: 12.97 acres Streams: 22,620 ft (4.28 mi) Frontage: 2.3 mi Dead River 1.33 mi Enchanted Stream	NWI: R3UB, PFO1/4, PSS WOSS: FP, PT, RSB	Principal: GW, FF, WH, FH, PE, STPR, NR, SS, REC	SWH: w/in 150 ft of 276-acre moderate value IWWH, 1 PSVP Conserved Land: Western Mountain Charitable Foundation Easement	Zoning: M-GN P-RR, P-SL1, P-SL2 P-WL2, P-WL3
Basin (BT) 697.06 Acres	Wetlands: 63.37 acres Streams: 35,210 ft (6.67 mi) Frontage: 4.2 mi Dead River	NWI: R3UB, PFO1/4, PSS, PEM WOSS: FP, PT, RSB	Principal: GW, FF, WH, FH, PE, STPR, NR, SS, REC	SWH: DWA (LUPC) Conserved Land: 10,000+ contiguous acres one mile to the south	Zoning: M-GN P-FW 060030, P-RR PSL-1, P-SL2 P-WL1, P-WL2
SUMMARY: 2,075.90 ACRES	Wetlands: 601.6 acres Streams: 81,740 ft (15.48 mi) Frontage: 8.0 mi Rivers 8.67 mile Lakes	NWI: L1UB, R2UB, R3UB, PFO1/4, PSS, PEM, PUB WOSS: SWH (M/H value IWWH, SVP), GP 250, 20k POW/PEM, FP, PT, RSB	Principal: GW, FF, WH, FH, PE, STPR, NR, SS, ED, REC	SWH: 211.54 acres moderate / high value IWWH, 1 SVP, 5 PSVPs Contiguous Conserved Land: > 41,600 acres	Zoning: All 6 Tracts suitable for residential development

Code explanations can be found at: NWI – page 7; WOSS – page 8; Functions & Values – pages 11-12; SWH/IWWH – page 8; Vernal Pools – pages 8-10; Development – page 124.

8.2 Developability of LUPC Compensation Tracts

LJPT located in Manchester, is therefore subject to the Town of Manchester local zoning and development requirements. A brief, preliminary overview of potential developability requirement for LJPT is presented in related Section 2.5 on page 15.

Similar zoning and development requirements are identified on Land Use Guidance Maps. by the Maine Land Use Planning Commission for the remaining five Tracts and displayed as Figures 4.2, 5.2, 6.2 and 7.2 for FLT, PPT, GFT, LET and BT, respectively. Land Use Subdistricts for each of the five Compensation Tracts are listed under Development on Table 8.1. Portions of all five Tracts are identified as General Management (**M-GN**) Subdistricts as well as the following Protection Subdistricts:

- Shoreland Protection (**P-SL**)
    - **P-SL1 –** areas within 250 feet of the normal high-water mark of flowing waters upstream of a 50-square mile drainage area.
    - **P-SL2 –** areas within 75 feet of the normal high-water mark of flowing waters downstream of a 50-square mile drainage area, and the upland edge of freshwater wetlands designated as P-WL1, P-WL2 and P-WL3.
- Wetland Protection (**P-WL**), obtained from NWI maps prepared by the USFWS (Nichols 1984; Tiner 2007), is comprised of:
    - **P-WL1 –** wetlands of special significance (WOSS),
    - **P-WL2 –** scrub shrub and other non-forested wetlands, or
    - **P-WL3 –** forested wetlands (excluding those covered under PWL-1, PWL-2).

The following additional Protection Subdistricts are also present on four specific Tracts:

- Accessible Lake (**P-AL**) - FLT
- Flood Prone areas (**P-FP**) – GFT,
- Fish and Wildlife (**P-FW**) – GFT, BT
- Great Pond (**P-GP**) – FLT, PPT
- Unusual Area (**P-UA**) – FLT, GFT

In accordance with MLUPC's Chapter 10, Sub-Chapter II provisions, various land uses in General Management Districts (**M-GN**) are:

1. permissible without a permit, such as (but not limited to) – primitive recreational uses such as fishing, hiking, and wildlife study, forest management activities
2. permissible without a permit subject to standards, including (but not limited to) – Level A road projects, accessory structures; or are
3. specific uses requiring a permit ranging from residential construction (single to multi-family dwellings, and subdivisions to shoreland alterations.

8.3 Potential Compensation Tracts Suitability for the NECEC Project Impacts

As described in greater detail in Section 2.0, Alternatives Analysis, and Section 13.0, Compensatory Mitigation, of the September 27, 2017 NRPA application, the 146.5-mile long NECEC Project Preferred Alternative (Figure 1) will include and require:

- 53.5 miles of undeveloped ROW
- 1,823 acres of clearing, of which 149.07 acres will result in permanent cover type conversion of forested wetland
- 115 stream crossings
- 47.21 acres of temporary (in place less than 18 months. i.e., crane mats) wetland fill
- 0.85 acres of fill in WOSS (includes fill in IWWH and SVPH)
- 4.47 acres of permanent wetland (non-WOSS) fill
- 0.01 acre of permanent upland fill into IWWH
- 31.31 acres permanent upland cover type conversion of SVPH
- 13.31 acres permanent upland cover type conversion of IWWH
- 0.72 acre of permanent upland fill in SVP habitat
- 4.7 acres in or within 100 ft of 250 USACE compensable vernal pools with 56 of high value, 122 medium value, and 72 low value

The Pooler Ponds, Little Jimmie Pond, Grand Falls, Lower Enchanted, Basin and Flagstaff Lake Compensation Tracts (Figure 1), range in size between 81.24 and 831.39 acres, for an aggregate area of 2,075.90 acres and encompass:

- 8.5 miles along the east shore of Flagstaff Lake (Focus Area of Statewide Ecological Significance)
- 1.33 miles of intact, unaltered riparian corridor along each side of Enchanted Stream
- 7.2 miles of intact, unaltered riparian corridor along the Dead River
- 7.16 miles of Outstanding River Segments of the Dead River, encompassing both sides on GFT (Ch 200 §403)
- Grand Falls, the largest horseshoe waterfalls in Maine
- 0.78 mile of intact riparian habitat along the Kennebec River
- 6.15 miles of ephemeral, intermittent and perennial streams (excluding Enchanted Stream and Dead and Kennebec Rivers)
- 601.6 acres of palustrine wetlands (PFO, PSS, PEM, PUB) that provide a suite of principal functions and values including: Groundwater Recharge/Discharge, Floodflow Alteration, Fisheries and Shellfish Habitat, Sediment/Toxicant/Pathogen, Nutrient Removal/Retention, Production (Nutrient) Export, Sediment/Shoreline Stabilization and Wildlife Habitat and Recreation, Educational and Scientific values

- 120.16 acres of moderate or high value IWWH
- At least one high value SVP, four high value PSVPs, 11 medium value, seven low value VPs, 10 medium to low value CVPs, and at least 43 PVP/ABAs
- Associated 516.33 acres of Vernal Pool Critical Terrestrial Habitat (750 feet)
- 220 acres of Deer Wintering Area
- Direct connectivity with more than 41,600 acres of presently permanently-conserved public lands

The relationship of these attributes to the New England District Compensatory Mitigation Guidance discussed in Section 2.1 is summarized in Table 8.3

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TABLE 8-3 USACE NEW ENGLAND DISTRICT COMPENSATORY GUIDANCE (9/1/2016)

(See Section 1.2 on page 5)	LJPT 109.77 acres	FLT 831.39 acres	PPT 81.24 acres	GFT 120.84 acres	LET 235.60 acres	BT 697.0 acres
MITIGATION SITE SELECTION						
Ecologic Suitability:						
hydrologic conditions, soil characteristics and other physical and chemical characteristics,	✓	✓	✓	✓	✓	✓
watershed–scale features such as habitat diversity, connectivity and other landscape scale functions,	Figure 2.3	Figure3.3	Figure 4.3	Figure 5.3	Figure 6.3	Figure 7.3
size and location relative to hydrologic sources and other ecologic features,	Figure 2.1	Figure3.1	Figure 4.1	Figure 5.1	Figure 6.1	Figure 7.1
compatibility with adjacent land use and watershed management	Figure 2.3	Figure3.3	Figure 4.3	Figure 5.3	Figure 6.3	Figure 7.3
reasonably foreseeable effects on ecologically important aquatic or terrestrial resources,	Table 2.1	Table 3.1	Table 4.1	Table 5.1	Table 6.1	Table 7.1
other relevant factors such as: development trends, anticipated land use changes, habitat status and trends, location in stream network, local or regional goals for protection of particular habitat, and water quality and floodplain management goals;	886-acre Jamies Pond WMA, Cobbossee-Annabessacook Focus Area	50,000-acre Bigelow Mtn Flagstaff Lk N Branch Dead River Focus Area	Mod. value IWWH	Outstanding River Segment, Mod value IWWH, DWA	Outstanding River Segment, MHTs	Outstanding River Segment, DWA
Landscape Position (similar setting and wetland types as of the impacted aquatic resource(s)	Figure 2.1	Figure3.1	Figure 4.1	Figure 5.1	Figure 6.1	Figure 7.1
Resistance to Disturbance (located near refuges, buffers, green spaces and other preserved natural elements of the landscape)	Figure 2.1	Figure3.1	Figure 4.1	Figure 5.1	Figure 6.1	Figure 7.1
Sustainability Considerations (current and future hydrology and preference for locations in areas that will remain as open space not to be severely impacted by clearly predictable development)	Figure 2.1 Figure 2.3 Figure 2.3	Figure3.1 Figure 3.2 Figure 3.3	Figure 4.1 Figure 4.2 Figure 4.3	Figure 5.1 Figure 5.2 Figure 5.3	Figure 6.1 Figure 6.2 Figure 6.3	Figure 7.1 Figure 7.2 Figure 7.3
Surrounding land use/plans, including probable future land use	Figure 2.2	Figure3.2	Figure 4.2	Figure 5.2	Figure 6.2	Figure 7.2
FOR PRESERVATION AS COMPENSATORY MITIGATION IN PARTICULAR:						
Resources to be preserved provide important physical, chemical or biological function for the watershed;	Table 2.1	Table 3.1	Table 4.1	Table 5.1	Table 6.1	Table 7.1
Resources to be preserved contribute to the ecological sustainability of the watershed;	HUC 01030003	HUC 01030000	HUC 01030003	HUC 0103002	HUC 01030002	HUC 01030002
Resources are under threat of destruction or adverse modifications;	R-1	M-GN	M-GN	M-GN	M-GN	M-GN
Site will be permanently protected through an appropriate real estate or other legal instrument	✓	✓	✓	✓	✓	✓

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Exhibit 1-10: Title, Right or Interest for the NECEC Preservation Tracts

Exhibit 1-10: Title, Right or Interest for the NECEC Preservation Tracts

Parcel	Town	County	Grantor	Book/Page	Date
Pooler Pond	The Forks	Somerset	Joseph Durgin	631-384	11-18-1960
“	“	“	Herbert Durgin	387-295	6-14-1926
“	“	“	Augusta Trust	391-291	4-1-1927
Little Jimmie Pond	Manchester	Kennebec	Julian Harwood	10775-49	7-1-2011
“	“	“	Herbert Rollins	11147-275	8-24-2012
“	“	“	Julian Harwood et al.	10488-209	7-30-2010
Grand Falls	Spring Lake	Somerset	Edna Page Bunker	396-127	6-30-1927
“	“	“	Albert Clark et al.	397-483	5-19-1928
“	“	“	Charles Clark	396-129	6-24-1927
“	“	“	Ethel Clark	394-555	11-8-1927
“	“	“	Ethel Clark	397-145	11-8-1927
“	“	“	Ethel Clark	401-61	9-29-1928
“	“	“	Wilkie Clark	387-529	9-3-1926
“	“	“	Blinn Page	389-564	2-8-1927
“	“	“	Blinn Page et al.	397-492	5-19-1928
“	“	“	Nellie Toune et al.	396-128	6-24-1927
“	“	“	Blain Viles	387-437	8-5-1926
“	“	“	Helen Wentworth	396-133	7-19-1927
Flagstaff Lake	Dead River Plt. Carrying Place	“	Guy P. Gannet	453-431	1-24-1941
“	“	“	First National Granite Bank	457-457	11-27-1940
“	“	“	Fidelity Trust Company	480-397	3-29-1945
“	“	“	Augusta Trust Company	480-265	2-1-1945
Lower Enchanted	Lower Enchanted	“	Oxford Paper Company	2165-339	12-22-1995
“	“	“	Willie Snow	373-250	5-3-1923
Basin Tract	Pierce Pond	“	Kennebec Land Company	413-221	6-17-1931
“	“	“	Augusta Trust Company	418-131	1-27-1933