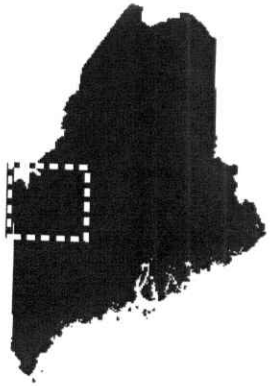
(4) Transcanada
3-17-10 Public
hearing

Petition to Add to the Windpower Expedited Permitting Area

TransCanada Maine Wind Development, Inc.

March, 2010



Expedited Wind Energy Project Permitting Area

Non-Expedited Area

Sources: Maine OGIS, USGS, LURC

INFORMATION DEPICTED HEREON IS FOR REFERENCE PURPOSES ONLY AND IS COMPILED FROM BEST AVAILABLE SOURCES. TRC ASSUMES NO RESPONSIBILITY FOR ERRORS ARISING FROM MISUSE OF THIS MAP.

Maine Western Mountains Region

Expedited Wind Energy Project Permitting Area

TRC
14 Gabriel Drive
Augusta, ME 04330

Created: 3/14/2010

Legend

- Expedited Wind Energy Project Permitting Area
- Proposed Additional Expedited Wind Energy Project Permitting Area
- Kibby Expansion Project Footprint
- Kibby Expansion Turbine Layout
- Kibby Wind Power Project Footprint
- Kibby Turbine Layout

Miles
0 1 2

N

Sources: Maine OGIS, USGS, LURC, TRC

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Expedited Wind Energy Project Permitting Area - Proposed Additional Expedited Wind Energy Project Permitting Area

TRC
14 Gabriel Drive
Augusta, ME 04330

Created: 3/15/2010

Canada
Coburn Gore
Skinner Twp
Gold Brook Road
T5 R6 BKP WKR
Hobbstown Twp
Massachusetts Gore
Chain of Ponds Twp
Gold Brook Road
Kibby Twp
T3 R5 BKP WKR
King & Bartlett Twp
Jim Pond Twp
Alder Stream Twp
Route 27
Seven Ponds Twp
Flagstaff Twp
Eustis
Bigelow Twp
Tim Pond Twp
Stetsontown Twp
Wyman Twp
Lang Twp
Coplin Plt
Route 16

Legend

- Expedited Wind Energy Project Permitting Area
- Proposed Additional Expedited Wind Energy Project Permitting Area
- Kibby Expansion Project Footprint
- Kibby Expansion Turbine Layout
- Kibby Wind Power Project Footprint
- Kibby Turbine Layout

Miles
0 0.5 1

Sources: Maine OGIS, USGS, LURC, TRC

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Expedited Wind Energy Project Permitting Area
-
Proposed Additional Expedited Wind Energy Project Permitting Area

TRC
14 Gabriel Drive
Augusta, ME 04330

Created: 3/15/2010

Canada

Merrill Strip Twp

Skinner Twp

Kibby Mtn

Gold Brook Road

Mt Pisgah

Mile Five Rd

Kibby Range

Kibby Twp

Sisk Mtn

Mile 2.5 Rd

Gold Brook Road

Wahi Road

Chain of Ponds Twp

Route 27

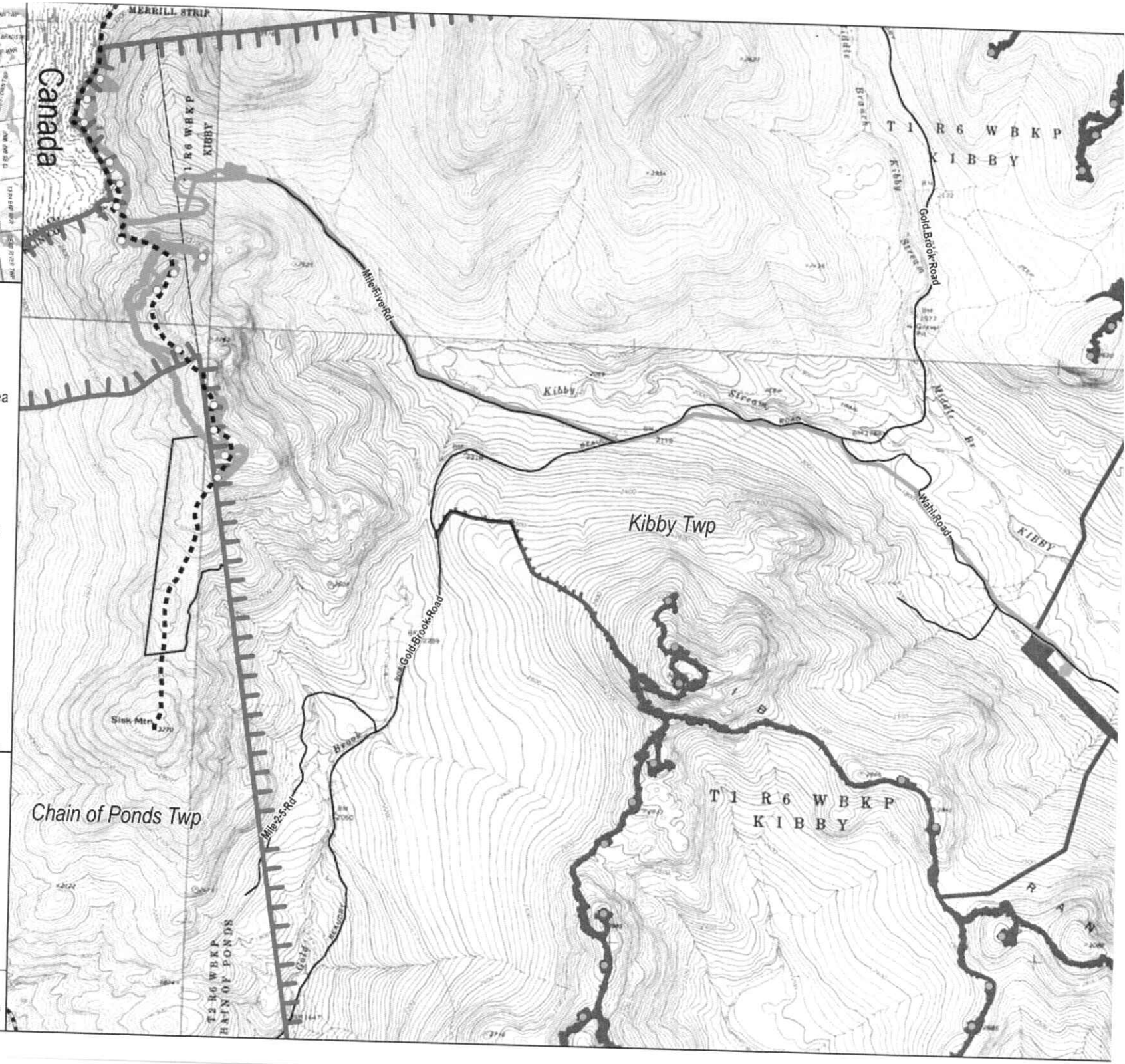
Seven Ponds

Alder Stream Twp

Jim Pond Twp

CHRONOLOGY

- Governor's Task Force on Wind Power Development established May 2007
- Final Report of the Task Force Issued February 2008 (with map showing expedited permitting area)
- Kibby Wind Power Project ("Kibby") Rezoning Petition (ZP 709) issued March 6, 2008
- Wind Power Legislation took effect April 2008
- Kibby Final Development approval (DP 4794) issued July 9, 2008
- Early 2009 permitting discussions with LURC staff regarding Sisk
- TransCanada files Petition to Initiate Rulemaking to Add to Expedited Permitting Area in June 2009
- Commission Initiates Rulemaking – August 2009
- Commission Adopts Rulemaking Guidance – March 3, 2010
- TransCanada submits Revised Petition Area in response to Guidance – March 10, 2010



Legend

- Expedited Wind Energy Project Permitting Area
- Proposed Additional Expedited Wind Energy Project Permitting Area
- Ridge Center Line
- Kibby Expansion Project Footprint
- Kibby Expansion Turbine Layout
- Kibby Wind Power Project Footprint
- Kibby Turbine Layout

Miles
0 0.25 0.5

N

Sources: Maine OGIS, USGS, LURC, TRC

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Expedited Wind Energy Project Permitting Area

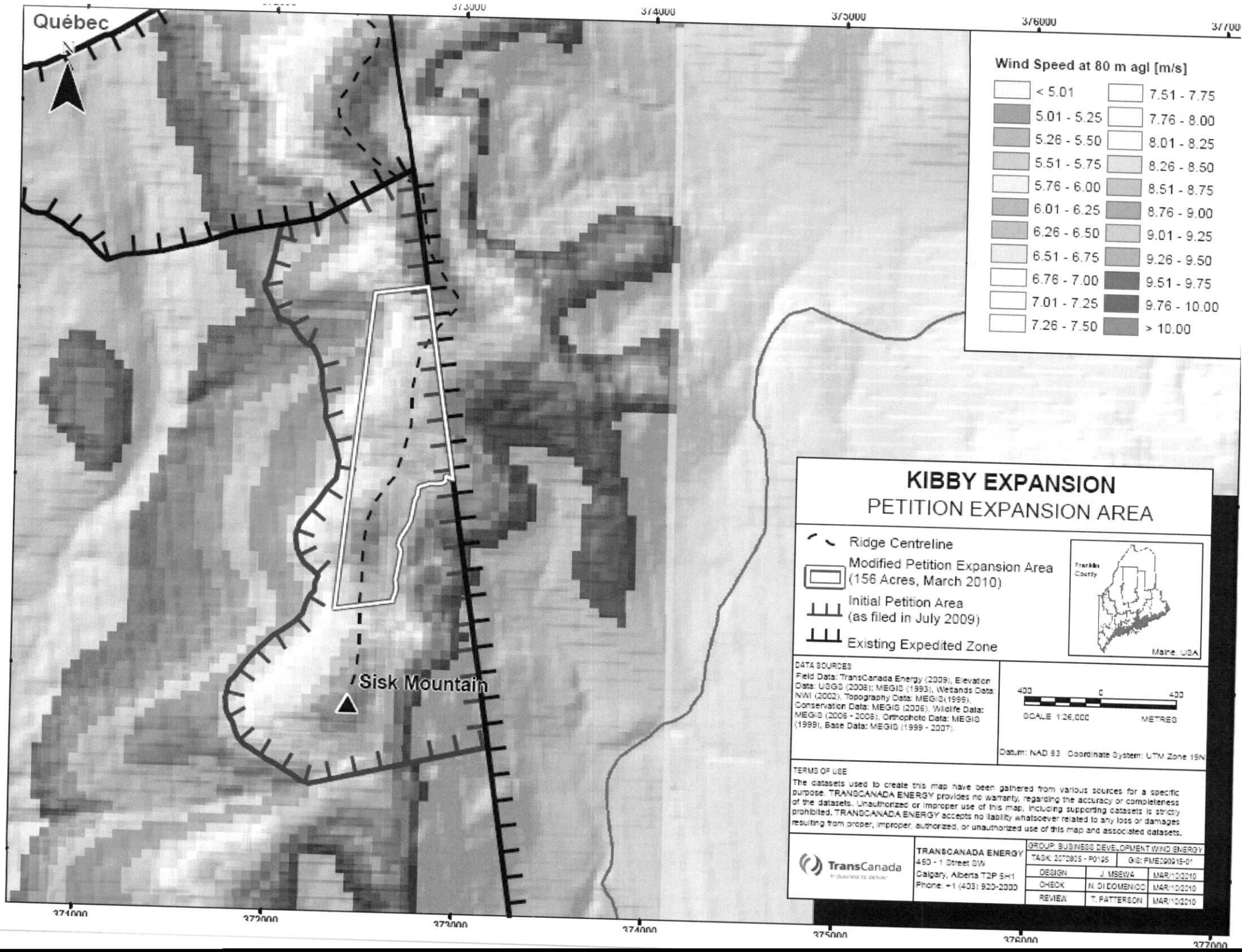
-

Proposed Additional Expedited Wind Energy Project Permitting Area

TRC

14 Gabriel Drive
Augusta, ME 04330

Created: 3/15/2010


Québec
Sisk Mountain
Wind Speed at 80 m agl [m/s]
< 5.01
5.01 - 5.25
5.26 - 5.50
5.51 - 5.75
5.76 - 6.00
6.01 - 6.25
6.26 - 6.50
6.51 - 6.75
6.76 - 7.00
7.01 - 7.25
7.26 - 7.50
7.51 - 7.75
7.76 - 8.00
8.01 - 8.25
8.26 - 8.50
8.51 - 8.75
8.76 - 9.00
9.01 - 9.25
9.26 - 9.50
9.51 - 9.75
9.76 - 10.00
> 10.00
KIBBY EXPANSION
PETITION EXPANSION AREA
Ridge Centreline
Modified Petition Expansion Area (156 Acres, March 2010)
Initial Petition Area (as filed in July 2009)
Existing Expedited Zone
Franklin County
Maine, USA
DATA SOURCES
Field Data: TransCanada Energy (2009), Elevation Data: USGS (2006); MEGIS (1993), Wetlands Data: NWI (2002), Topography Data: MEGIS (1999), Conservation Data: MEGIS (2006), Wildlife Data: MEGIS (2006 - 2008), Orthophoto Data: MEGIS (1999), Base Data: MEGIS (1999 - 2007).
400 0 400
SCALE 1:26,000 METRES
Datum: NAD 83 Coordinate System: UTM Zone 19N
TERMS OF USE
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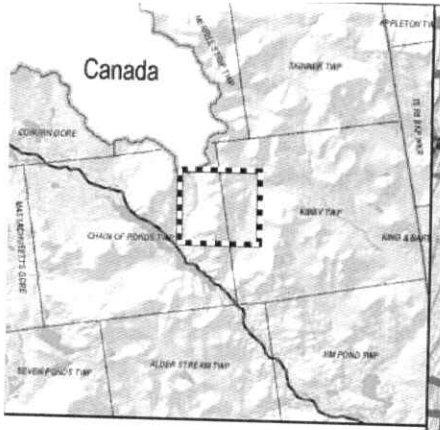
TransCanada
TRANSCANADA ENERGY
450 - 1 Street SW
Calgary, Alberta T2P 5H1
Phone: +1 (403) 920-2000
GROUP: BUSINESS DEVELOPMENT WIND ENERGY
TASK: 2070805 - P0195
GIS: PME090915-01
DESIGN J. MBEWA MAR/10/2010
CHECK N. DI DOMENICO MAR/10/2010
REVIEW T. PATTERSON MAR/10/2010



Legend

- Expedited Wind Energy Project Permitting Area
- Proposed Additional Expedited Wind Energy Project Permitting Area
- Natural Resource Survey Limits
- Ridge Center Line

Feet

0 1,000 2,000

N

Sources: Maine OGIS, USGS, LURC, TRC

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Expedited Wind Energy Project Permitting Area

-

Proposed Additional Expedited Wind Energy Project Permitting Area

TRC
14 Gabriel Drive
Augusta, ME 04330

Created: 3/15/2010

Canada

Chain of Ponds Twp

Kibby Twp

Branch Brook

Slisk Mtn

Mile Five Rd

Mile 2.5 Rd

Gold Brook Road

ROAD

Brook

BM 2342

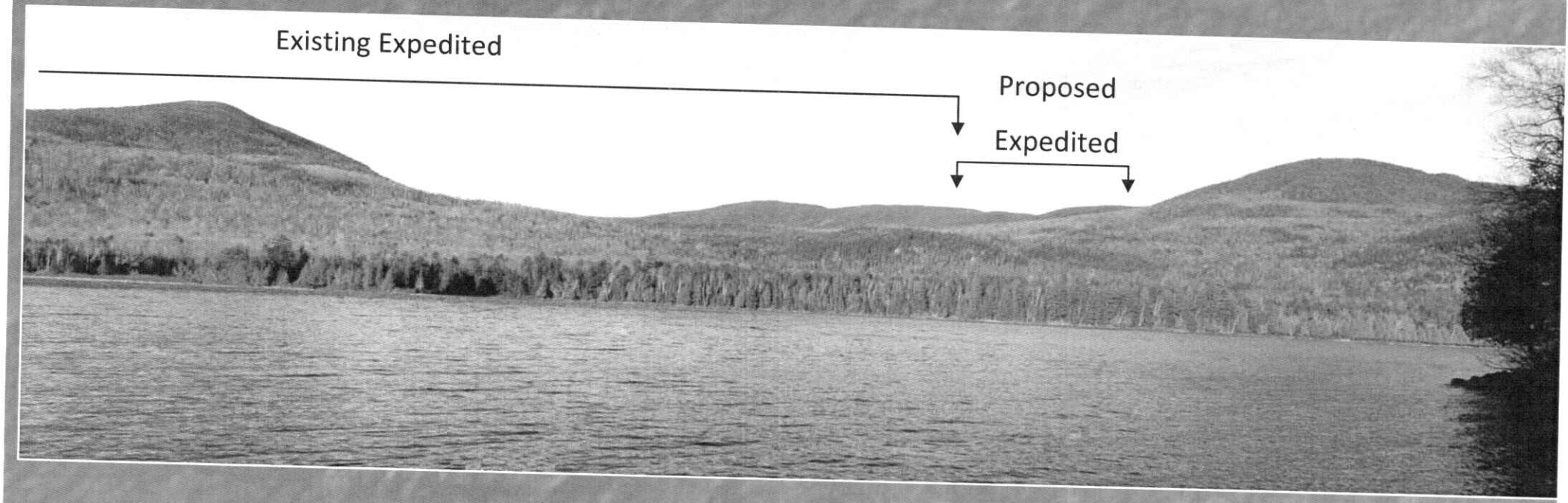
BM 2318

BM 2289

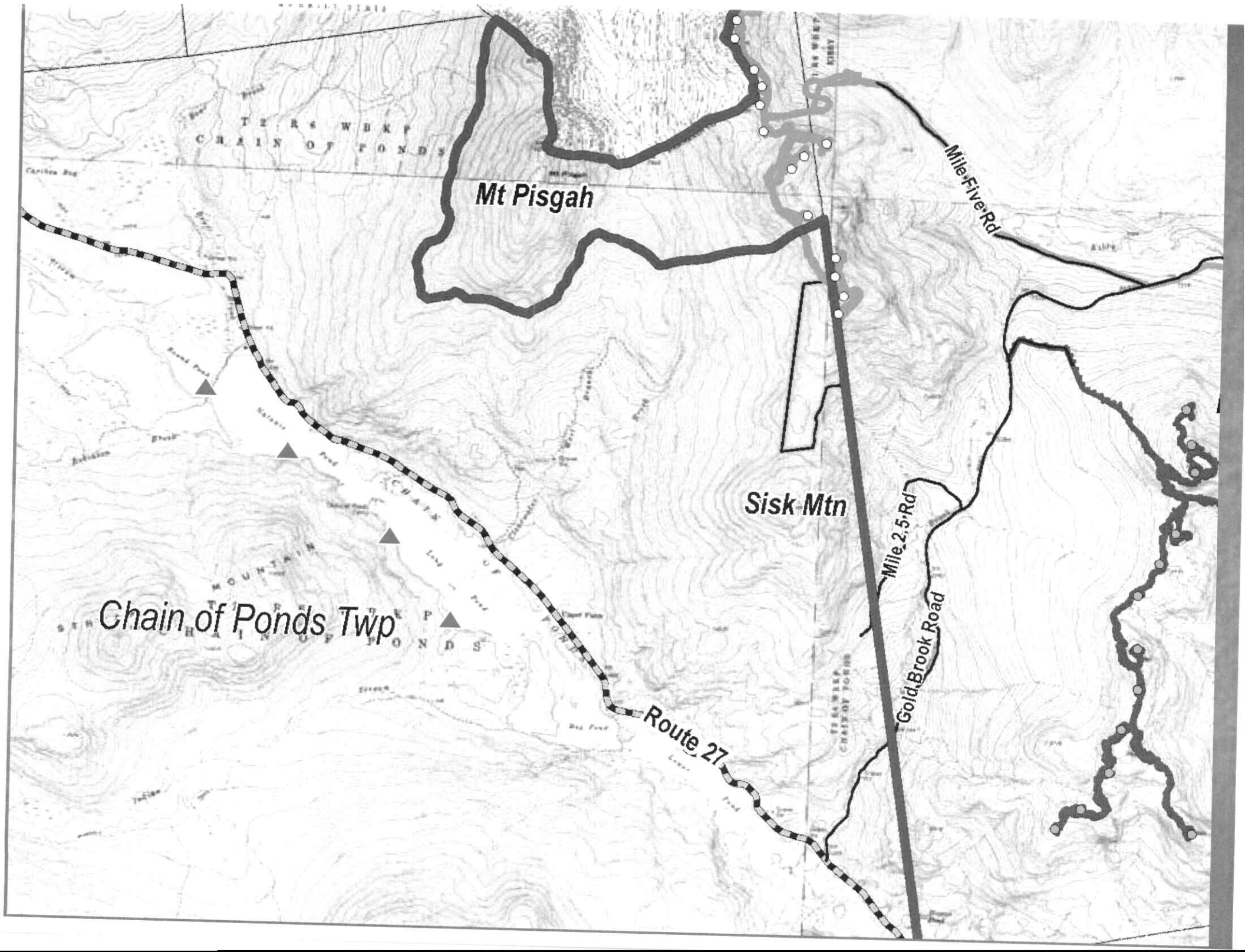
BM 2050

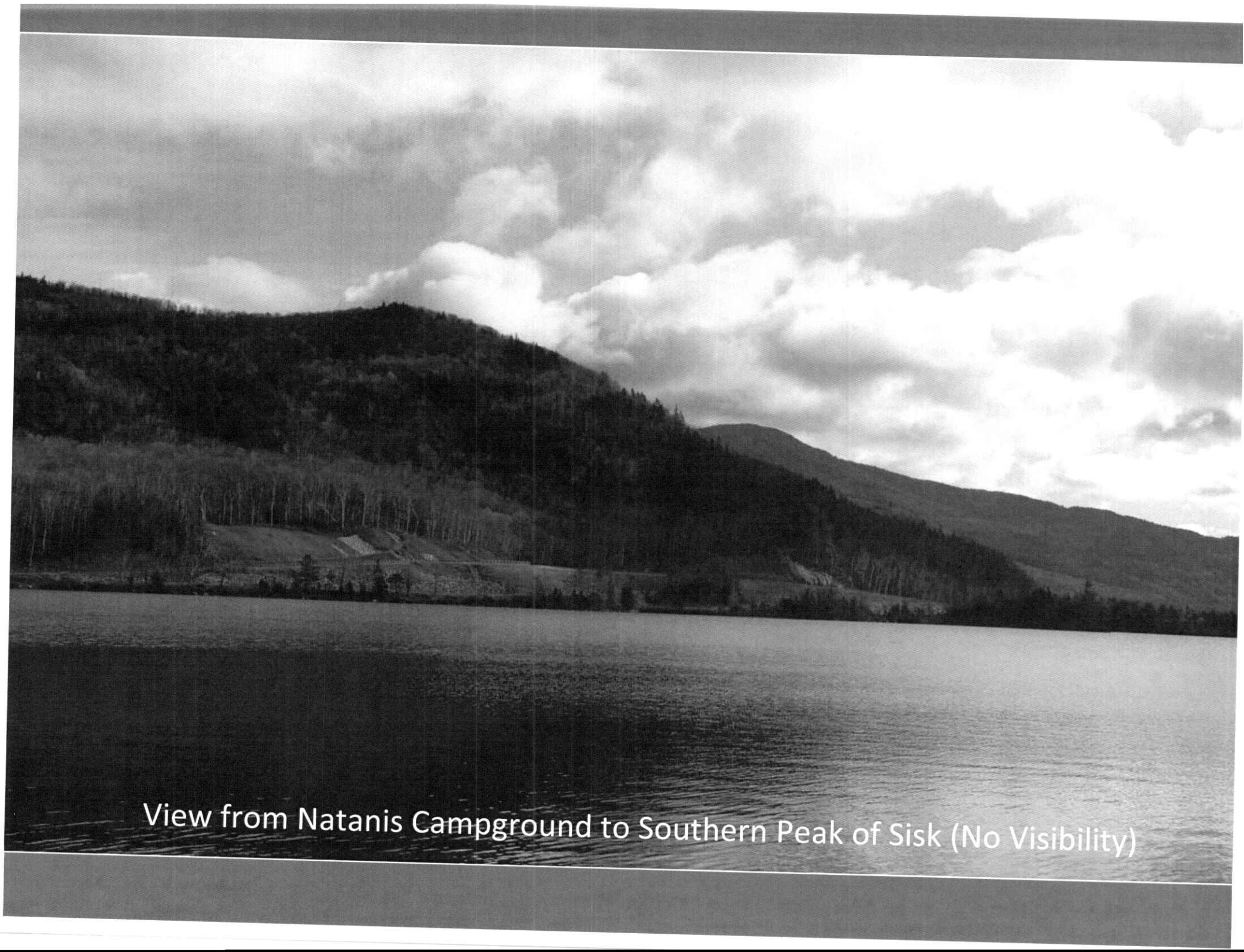
ENVIRONMENTAL SURVEYS

- Survey protocols developed in close consultation with appropriate state and federal agencies
- Surveys performed of area proposed for Kibby Expansion application and Revised Petition Area
- Soil surveys and wetland delineation work conducted June -- November 2009
- Rare Plant surveys and natural communities identification July and August 2009
- Avian and Bat Monitoring (Spring and Fall 2009)
  - Rare raptor nesting surveys
  - Spring and Fall daytime migrant surveys
  - Breeding bird surveys (emphasis on Bicknell's Thrush) (Spring 2009)
  - Bat detector survey (Fall 2009)

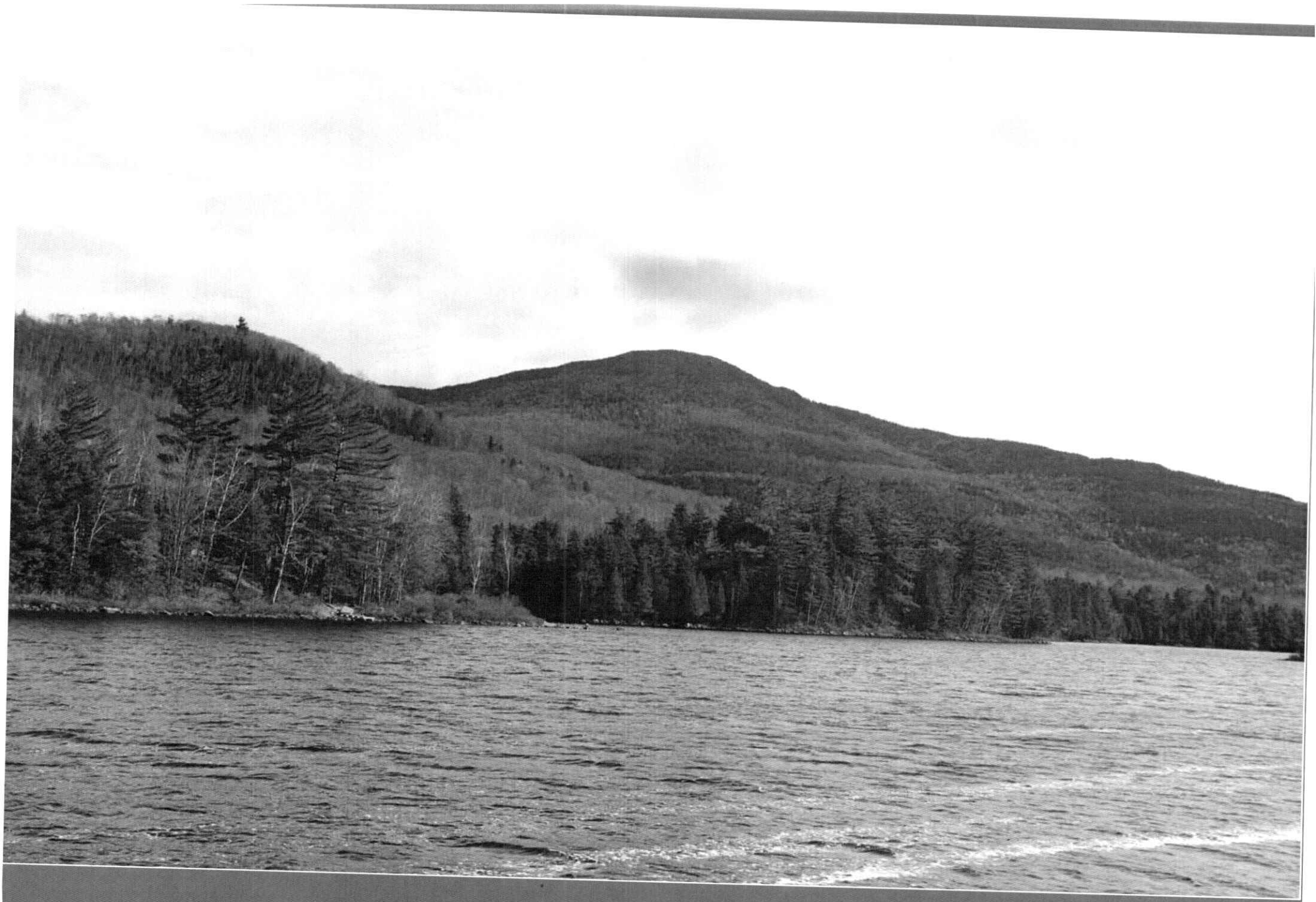


Pan view from the southern end of Long Pond showing the prominence of Mount Pisgah (left) and the southern Peak of Sisk Mountain (right)

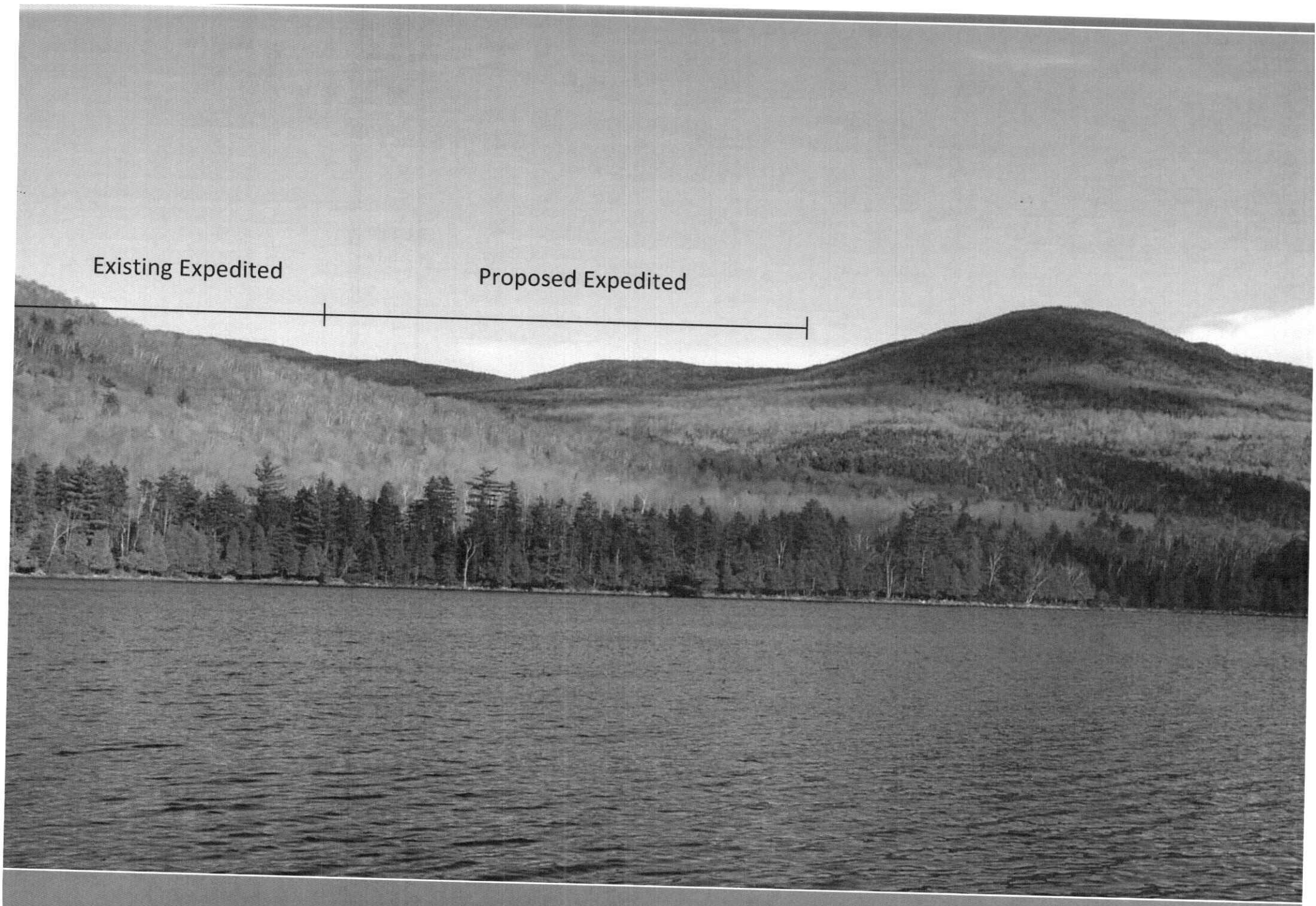

Mt Pisgah
Sisk Mtn
Chain of Ponds Twp
Route 27
Mile Five Rd
Mile 2.5 Rd
Gold Brook Road



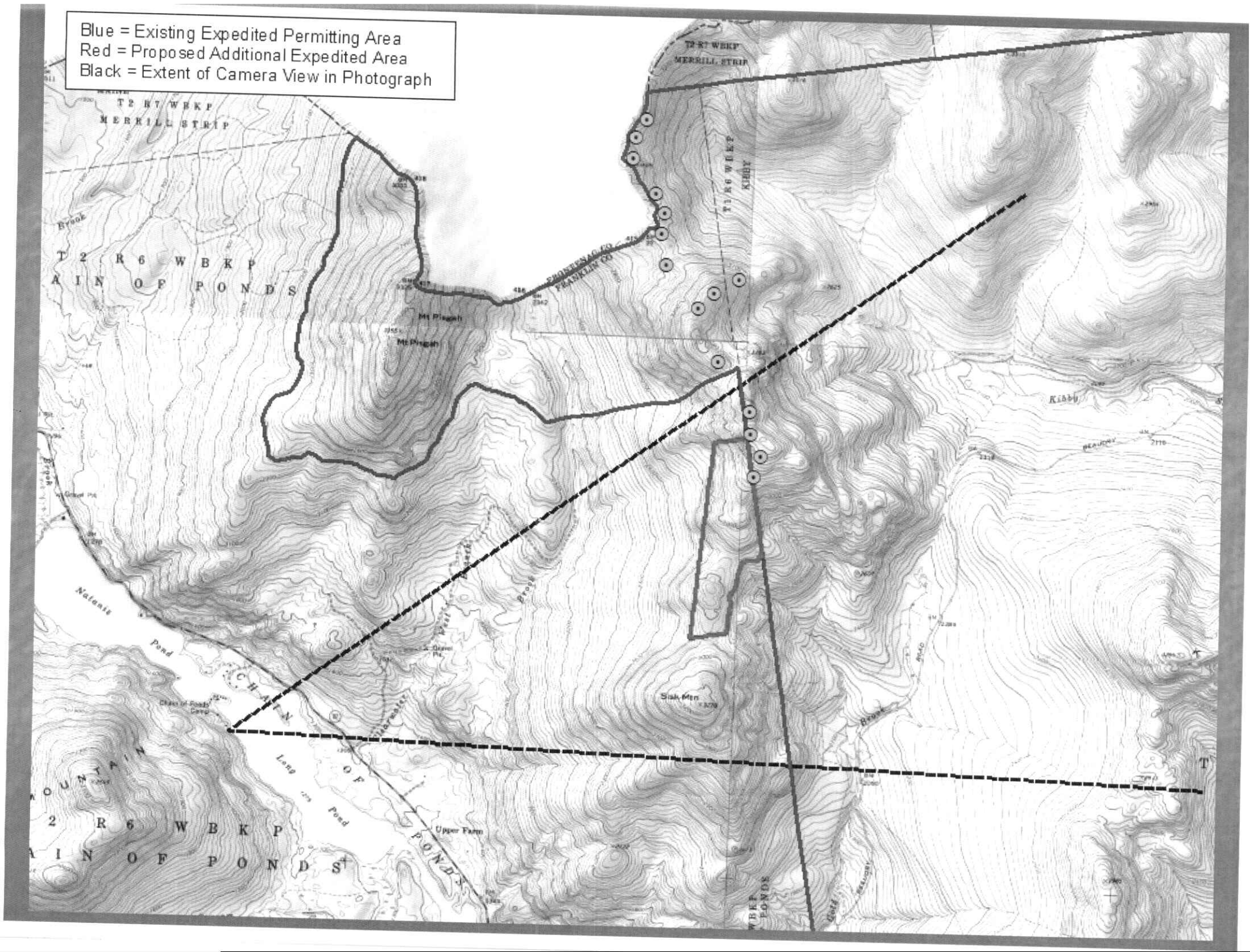
View from Natanis Campground to Southern Peak of Sisk (No Visibility)

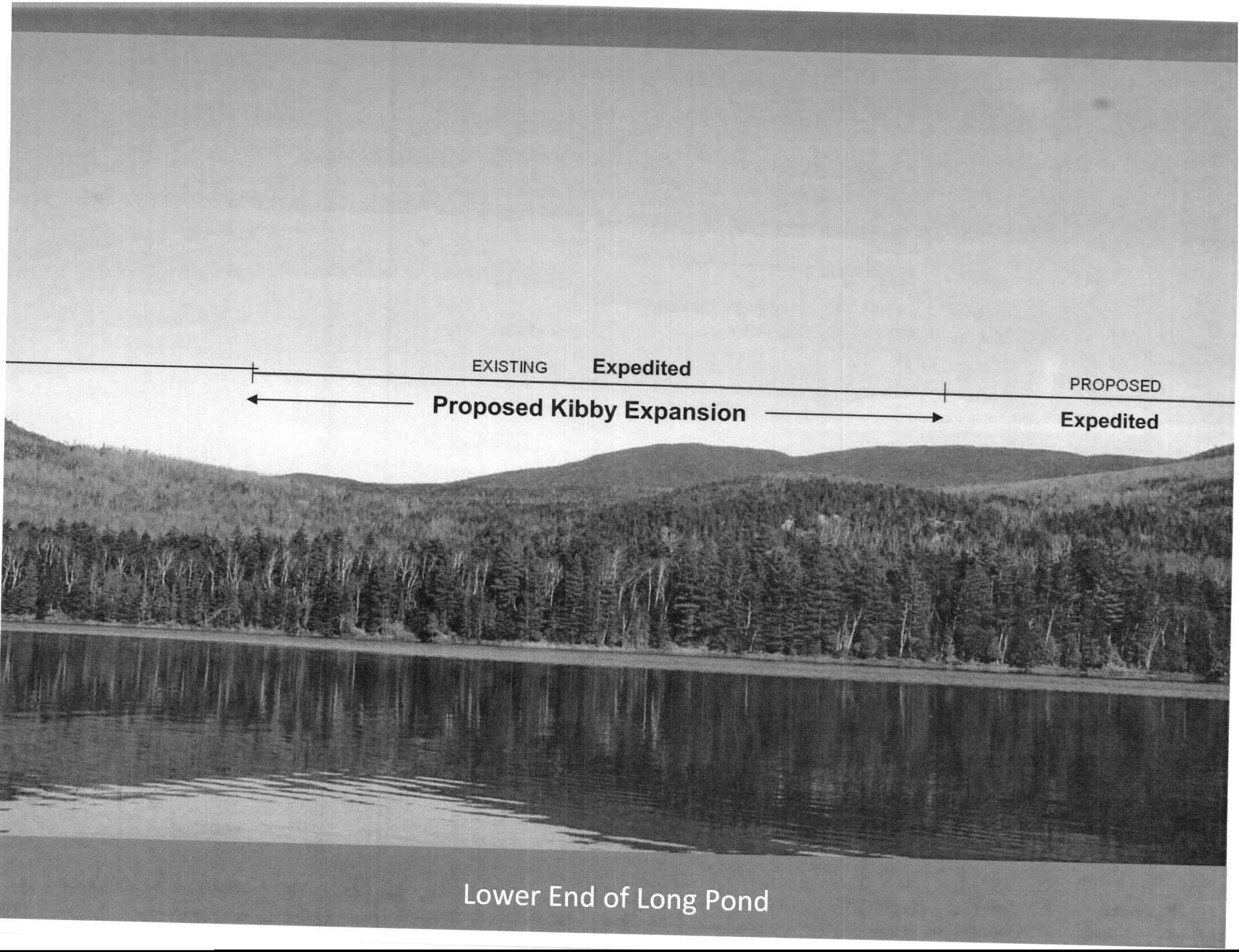


View from Southern Natanis Pond to Sisk Mountain

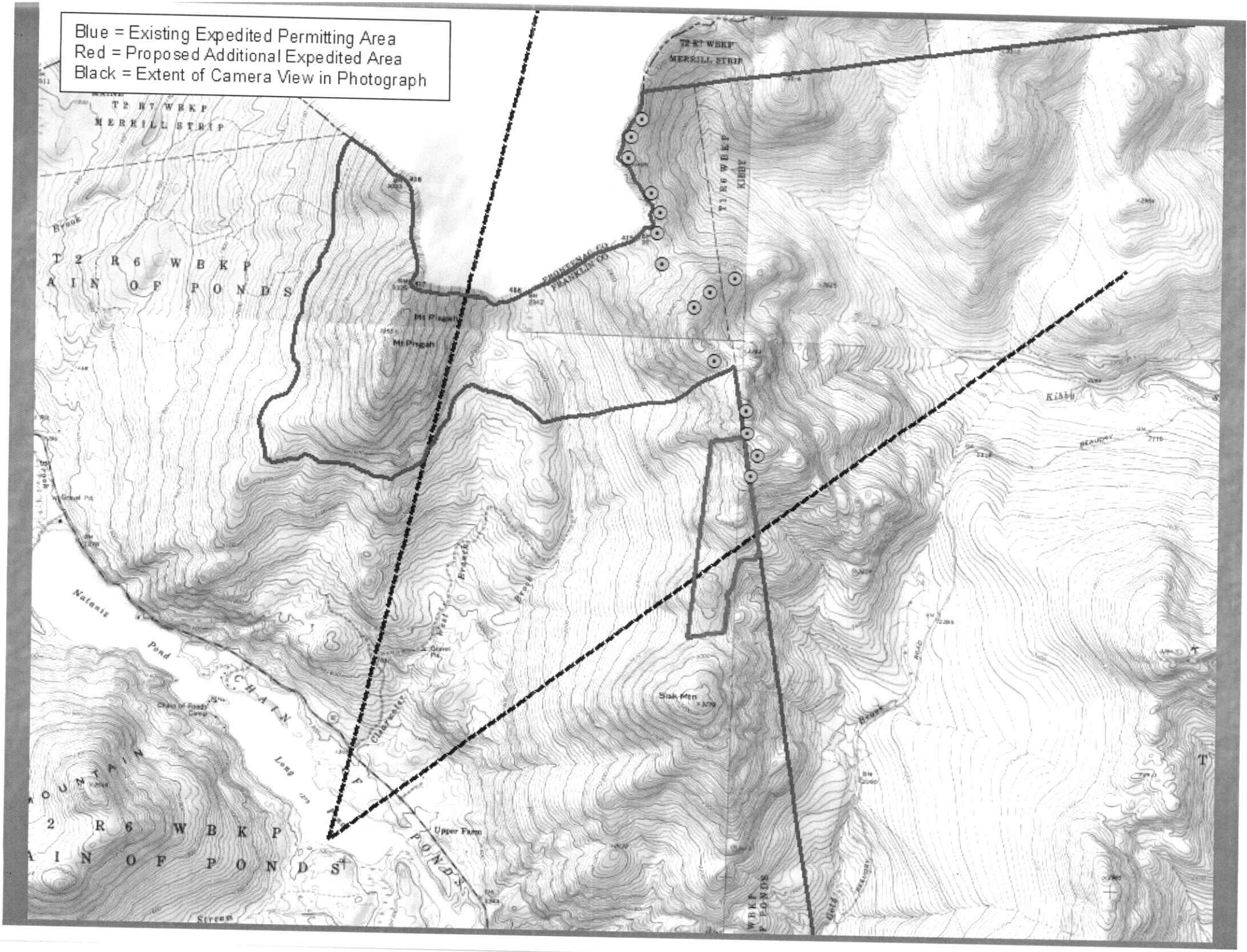


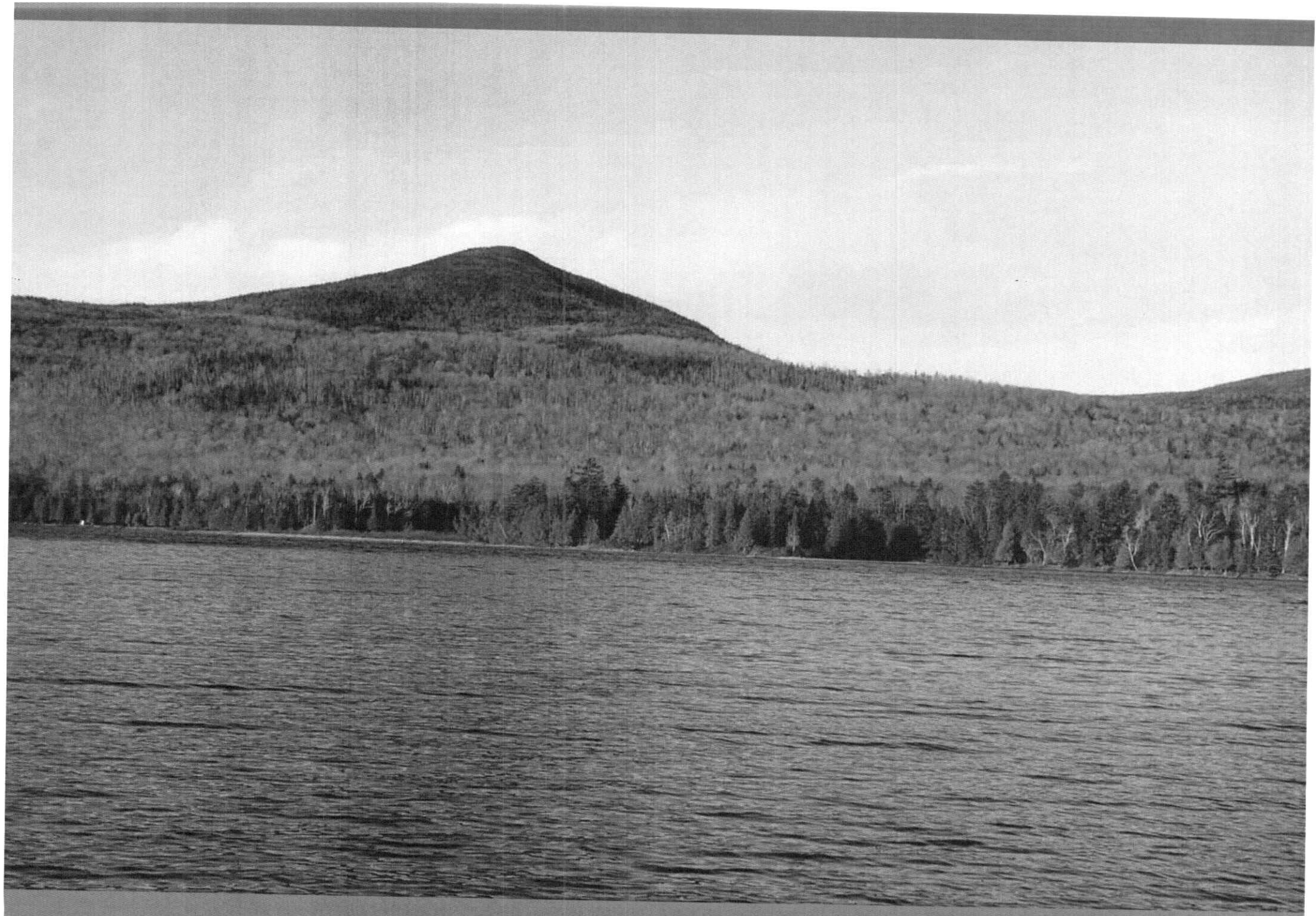
View from Upper Middle Long Pond


Blue = Existing Expedited Permitting Area
Red = Proposed Additional Expedited Area
Black = Extent of Camera View in Photograph
T2 R7 WBKP
MERRILL STRIP
T2 R6 WBKP
T1 R6 WBKP
KIBBY
T2 R6 WBKP
AIN OF PONDS
Mt Pisgah
Natanis Pond
Long Pond
Upper Farm
Slab Mtn
Kibby
Brook

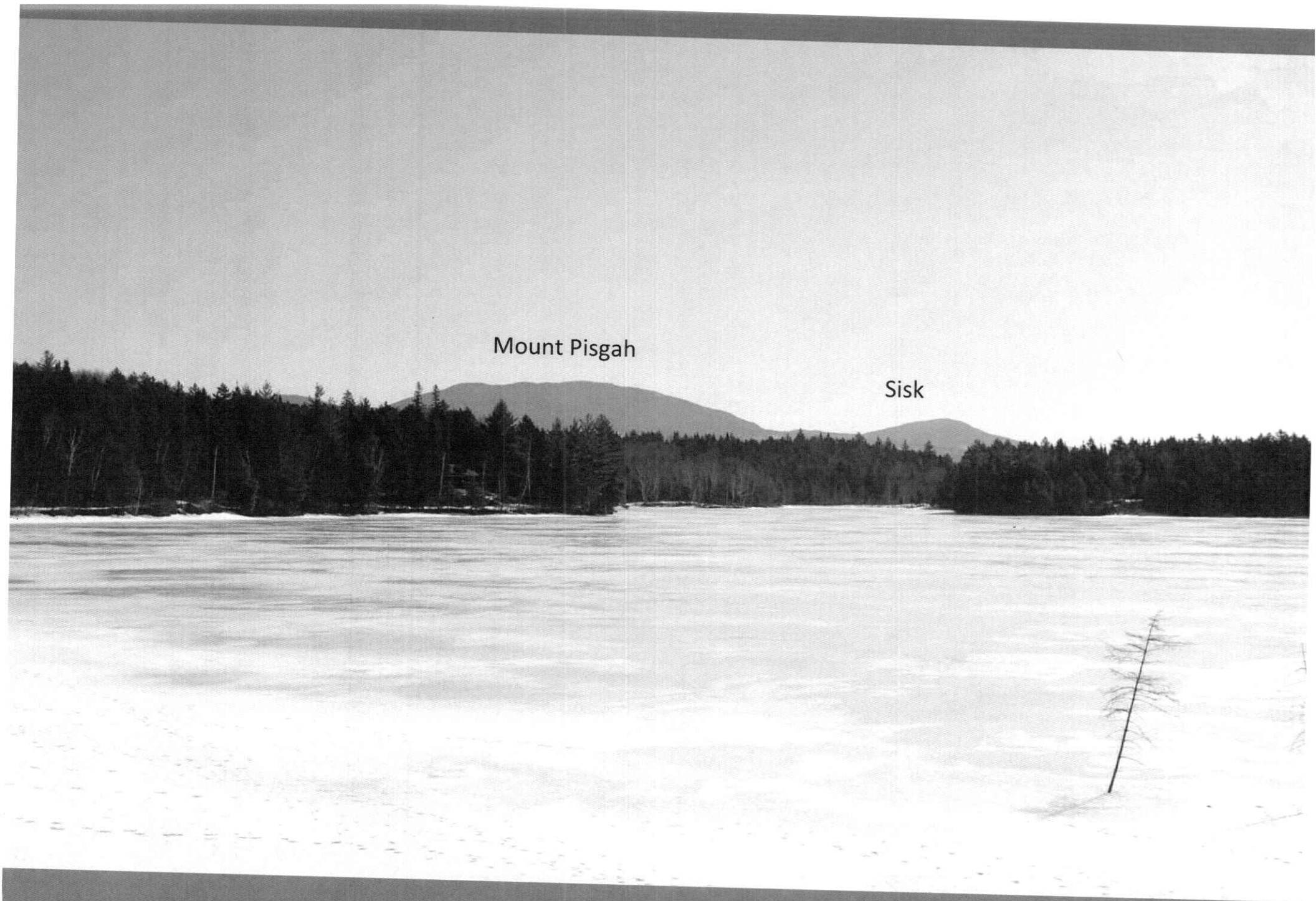


Lower End of Long Pond


Blue = Existing Expedited Permitting Area
Red = Proposed Additional Expedited Area
Black = Extent of Camera View in Photograph
T2 R7 WBKP
MERRILL STRIP
T2 R6 WBKP
AIN OF PONDS
T1 R6 WBKP
KIBBY
Mt Pisgah
Natanis Pond
Long Pond
Upper Pond
Stink Pen
Kibby
Stream



Mount Pisgah seen from Long Pond



Arnold Pond (7 – 7.5 miles away)