

Assessment for: Castine Water Department ID ME0090330

Location: Castine, Maine

Date: May 1, 2003

Summary of the Data used in our Assessment

Public Water Supply Information

Well identification number: 90330211

Well type: Gravel well

Well description: 2-inch Pvc Test Well Emergency Use

Overburden thickness (feet): 18

Wellhead protection radius around the well: 2200

Reported distance of land control around the well: 60

Wellhead Protection Ordinance in effect: No

Risk Based on Well Type and Site Geology

Ranking:

Well type: Gravel well

Overburden thickness (feet): 18

Existing risk of contamination based on well type & site geology:

Moderate risk

Existing Risk of Acute Contamination

Ranking:

Positive coliform test: No

Nitrate test greater than 5 ppm: No

Septic system within 300 feet of the well: No

Existing risk of acute contamination:

Low risk

Future Risk of Acute Contamination

Future Ranking:

No legal land control or control status is unknown or

legal control is less than a 150-foot radius around the well: Yes

Legal control of at least a 150-foot radius of property around the well: No

Legal control of at least a 300-foot radius of property around the well: No

Future risk of acute contamination:

High risk

Existing Risk of Chronic Contamination

Ranking:

Detection of Chronic Chemical Contaminant: No

Name(s) of Chronic Chemical Contaminant(s) Detected: No chronic chemical contaminants detected.

Total No. Potential Sources of Contamination within WHPA: 4

Distance to nearest "Significant Potential Source of Contamination": 80 (feet)

Name of nearest "Significant Potential Source of Contamination": Residential home

Existing risk of chronic contamination:

Moderate risk

Future Risk of Chronic Contamination - Land Ownership / Control

Legal control of Entire Wellhead Protection Area: No

Legal control of 2500 Phase II/V Waiver Radius: No

Future risk of chronic contamination:

High risk