

Assessment for: Madawaska Water District; ID ME0090920

Location: Madawaska, Maine

Date: October 4, 2012

### **Summary of the Data used in our Assessment**

#### **Public Water Supply Information**

Well identification number: 90920101

Well type: Bedrock well

Well description: Bedrock well; depth is 620 ft @ 500 gpm

Overburden thickness (feet): 28 ft

Wellhead protection radius around the well: 2500 ft

Reported distance of land control around the well: Zone 1 - 300 ft; Zone 2 – 1000 ft

Wellhead Protection Ordinance in effect: Yes; in effect since 6/19/2007

### **Risk Based on Well Type and Site Geology**

#### ***Ranking:***

Well type: Bedrock well

Overburden thickness (feet): 28 ft

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

*Low 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: No

Legal control of at least a 150-foot radius of property around the well: Yes

Legal control of at least a 300-foot radius of property around the well: Yes

*Future risk of acute contamination:*

*Low risk*

### **Existing Risk of Chronic Contamination**

#### ***Ranking:***

Detection of Chronic Chemical Contaminant: Yes

Name(s) of Chronic Chemical Contaminant(s) Detected: Bromodichloromethane

Total No. Potential Sources of Contamination within WHPA: 1

Distance to nearest "Significant Potential Source of Contamination": 300 ft

Name of nearest "Significant Potential Source of Contamination": Above Ground Diesel Fuel Storage Tank -260 gal

*Existing risk of chronic contamination:*

*Moderate risk*

### **Future Risk of Chronic Contamination - Land Ownership / Control**

Legal control of Entire Wellhead Protection Area: No; up to 1000 ft

Legal control of 2500 Phase II/V Waiver Radius: Yes

*Future risk of chronic contamination:*

*Moderate risk*