

## This is a detailed topographic map of the Robinsonston area in Ontario, Canada. The map features several large lakes, including Neusha Lake, Keesee Lake, Belling Lake, and Boyden Lake. It also shows numerous smaller lakes and water bodies, such as Little Duck Lake and Bunker Point. The terrain is characterized by dense contour lines indicating elevation, with peaks reaching up to 1000 feet. A network of roads, including Highway 124 and Highway 125, is depicted. The map also shows the location of Robinsonston, Ontario, and the Town of Robinsonston sand-salt storage area. The map is oriented with North at the top and includes a scale bar in kilometers.



Quadrangle Location

Areas with moderate to low or no potential ground-water yield (includes areas underlain by till, marine deposits, eolian deposits, alluvium, swamps, thin glacial sand and gravel deposits, or bedrock); yields in surficial deposits generally less than 10 gallons per minute to a properly constructed well.

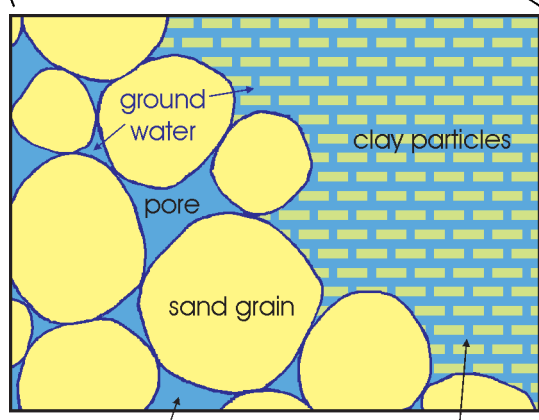
1. Weddle, T. K., Tolman, A. L., Williams, J. S., Adamik, J. T., Neil, C. D., and Steiger, K. L., 1988. Hydrogeology and water quality of significant sand and gravel aquifers in parts of Hancock, Penobscot, and Washington Counties, Maine: Maine Geological Survey, Open-File Report 88-7a, 94 p.
2. Locke, D. B., 2000. Surficial materials of the Red Beach quadrangle, Maine: Maine Geological Survey Open-File Map 00-108.
3. Borns, H. W., 1974. Reconnaissance surficial geology of the Red Beach 7.5' quadrangle, Maine: Maine Geological Survey, Open-File Map 74-9.

The 3-letter identifier for a line is an abbreviation for the topographic quadrangle. If the 3-letter identifier for the line is followed by a number (ex: MAP - 7, MAP - 4), the line is a 12-channel line. If the identifier is followed by a letter (ex: MAP - E, MAP - P), the line is a single-channel line. Single-channel seismic interpretations by C. D. Neil. Twelve-channel seismic interpretations by J. D. Adamik and C. D. Neil.

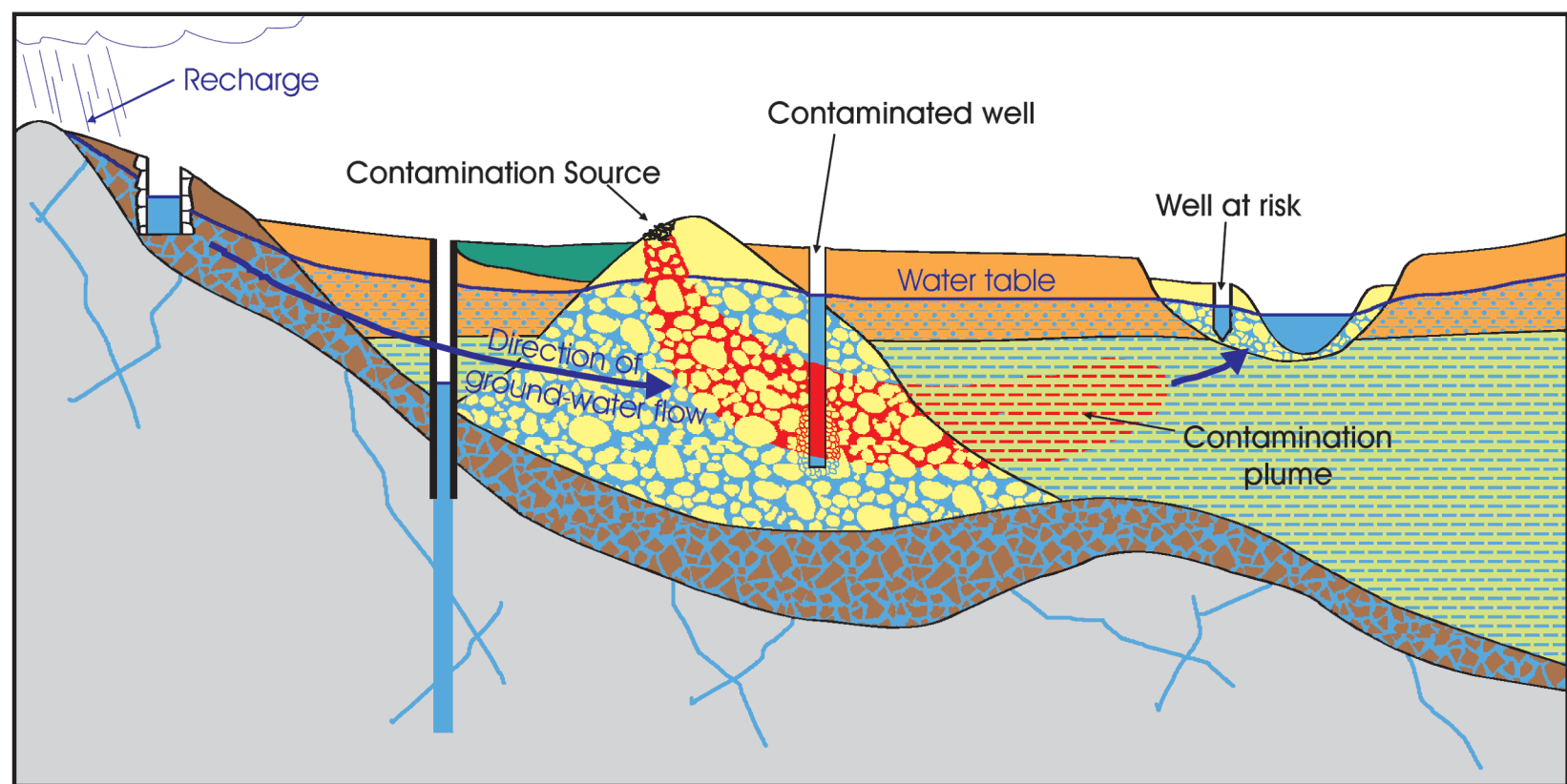
50	Depth to bedrock, in feet below land surface
≥13	Penetration depth of boring; ≥ symbol refers to minimum depth to bedrock based on boring depth or refusal
6H	Depth to water level in feet below land surface (observed in well, spring, test boring, pit, or seismic line)
X	Gravel pit (overburden thickness noted in feet, e.g. 5-12')
X	Quarry
GPM	Yield (flow) of well or spring in gallons per minute (GPM)
↓	Spring, with general direction of flow
⊖	Drilled overburden well
■	Dug well
✦	Observation well (project well if labeled; nonproject well if unlabeled)
✦	Test boring (project boring if labeled; nonproject boring if unlabeled)
↓	Driven point
⊖	Test pit
•	Drilled bedrock well
▽	Potential point source of ground-water contamination
+	Bedrock outcrop

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Another type of well common in Maine is the *drilled bedrock well*. This well is drilled into the underlying rock with steel casing to isolate the well from potential surface-water contamination. In this type of well, water is found when the well hole intersects water-bearing fractures in the bedrock. Notice how the water level in this well is not the same level as the water table. The well casing isolates the bedrock well from the overlying sediments. The water level is controlled by water pressure in the fractures in the bedrock and is not related to the water table in the overlying materials.



*Operating a twelve-channel seismograph, Piscataquis County, Maine*

[illegible]

Information from seismic refraction studies also is shown on the map. Seismic studies give detailed information about depth to water table and depth to and shape of the bedrock surface. Geologic cross sections generated from seismic information are shown in associated reports listed in the references below the map at left.

If ground-water contamination occurs, the general trend of the plume migration can be deduced from these maps by analyzing the drainage basin boundaries and the local surface water bodies.

For further assistance in interpreting this map, contact a geologist at the Maine Geological Survey.