**Significant Sand and Gravel Aquifers**

**WHAT IS AN AQUIFER?**

A groundwater body is enclosed below the land surface by a permeable layer of sand, gravel, or other unconsolidated and consolidated material that allows water to move through it. Groundwater is replenished at the land surface through infiltration and recharge, and flows from areas of high to low hydraulic head, or pressure, which is the difference in elevation between the land surface and the water table.

**GROUNDWATER FLOW AND CONTAMINATION**

Drainage basins are the source of groundwater recharge and are critical to understanding groundwater flow and contamination. The map shows the drainage basin for the Horseback Quadrangle, Maine, and the location of the well field on the drainage basin.

**SEISMIC GROUND INFORMATION**

**GEOLOGIC AND WELL INFORMATION**

- **Depth to bedrock:** 20 to 30 feet
- **Transmissivity:** 10 to 20 feet per hour
- **Drainage:** Groundwater flows from the east to the west
- **Contamination Source:** Industrial waste products
- **Contaminated Well:** Well 4
- **Wellhead Protection Area:** 1,000 feet

**REFERENCES**


**OTHER SOURCES OF INFORMATION**

- **Horseback Quadrangle, Maine:** United States Geological Survey, Open File Map 87-01.
- **Aquifer Characteristics and Vulnerability:** United States Environmental Protection Agency.