

Town of Plaistow, NH Master Plan

Natural Resources Chapter



Aquifer Protection District

Aquifer Data from USGS

Aquifer Material

- Coarse Grained Stratified
- Coarse Grained overlaying Fine Grained Materials
- Till Covered Bedrock

Saturated Thickness

- 20 feet
- 40 feet

Transmissivity in Feet Squared Per Day

- Less than 1000
- 1000 to 2000

- Streams
- Lakes and Ponds
- Wetlands

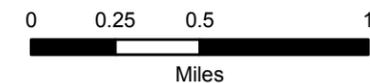
NOTES:

The saturated thickness is less than 20 feet in any areas of stratified drift where no saturated thickness lines are shown.

Stratified drift having saturated thickness less than 20 feet cannot usually provide large water supplies, even where the deposits are coarse grained.

Where all other hydrologic characteristics are equal, a thick aquifer will produce more than a thin aquifer.

Transmissivity is a measure of the ability of an aquifer to transmit a fluid. It is calculated by multiplying the horizontal hydraulic conductivity by the saturated thickness. The higher the transmissivity number, the thicker the soil is and the more productive it is.



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