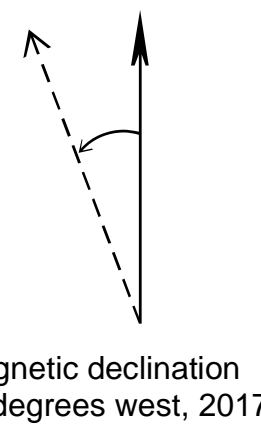
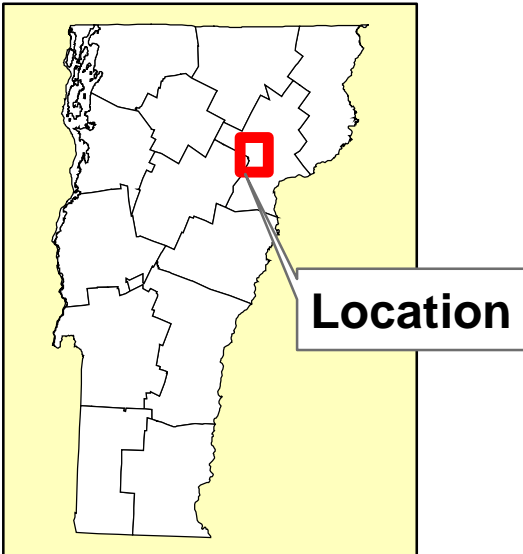


- Moderate
- Moderate
- Low
- Low
- Low
- Unknown
- Unknown
- Major Roads
- Minor Roads
- StudyArea
- Quadrangle Boundaries
- Streams
- Town Boundaries
- Water Bodies

EXPLANATION

This plate contains information on the favorability of surficial deposits to serve as aquifers. It is based on an interpretation of the hydrogeologic classification of water well logs shown on Plate 7. Hydrogeologic Classes 0 through 5 are interpreted as having a high surficial aquifer potential due to the presence of thick coarse-grained deposits overlain by finer grained deposits. These are shown as large green dots. Classes 6 and 7 are interpreted to have a moderate surficial aquifer potential as they have thick coarse-grained deposits but these are not overlain by a fine-grained deposit that could serve to prevent direct infiltration of surface water. These are shown as orange dots. Classes 8 through 12 do not have a thick coarse-grained deposit and therefore have a low potential to serve as a surficial aquifer. These are shown as small red dots. Class 13 has insufficient detail for classification.

Out of the 103 well logs examined, none were classified as having high potential and only 7 as having moderate potential. As these are scattered throughout the study area, there do not appear to be any areas in the quadrangle with high potential as surficial aquifers. However, as only a few accurately located well logs were available for this study, further research may identify areas in the valley bottoms with greater surficial aquifer potential.



Base map from U.S. Geological Survey.
Coordinate System: Vermont State Plane, meters, NAD 83.
Geographic coordinates shown at topo corners are in NAD 83.

Digital cartography by George Springston, December 31, 2018.
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The views and conclusions contained in this document are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the State of Vermont.

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Joes Pond Quadrangle, Vermont**

by
George E. Springston
2018