This plate contains information on the feasibility 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 6 are interpreted as having a high surficial aquifer potential due to the presence of thick coarse-grained deposits overlain by fine-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 those 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 105 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 recently located well logs were available for this study, further research may identify areas in the valley bottoms with greater surficial aquifer potential.

EXPLANATION

- **Moderate**
- **Low**
- **Low**
- **Moderate**
- **Low**
- **Low**
- **Low**
- **Low**
- **Low**

- Unknown
- Unknown

- Major Roads
- Minor Roads
- Study Area
- Quadrangle Boundaries
- Streams
- Water Bodies

Base map from U.S. Geological Survey. Coordinate System: Vermont State Plane, meters, NAD83. Geographic coordinates shown at topo corners are in NAD83.

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Map Scale: 1:24,000