

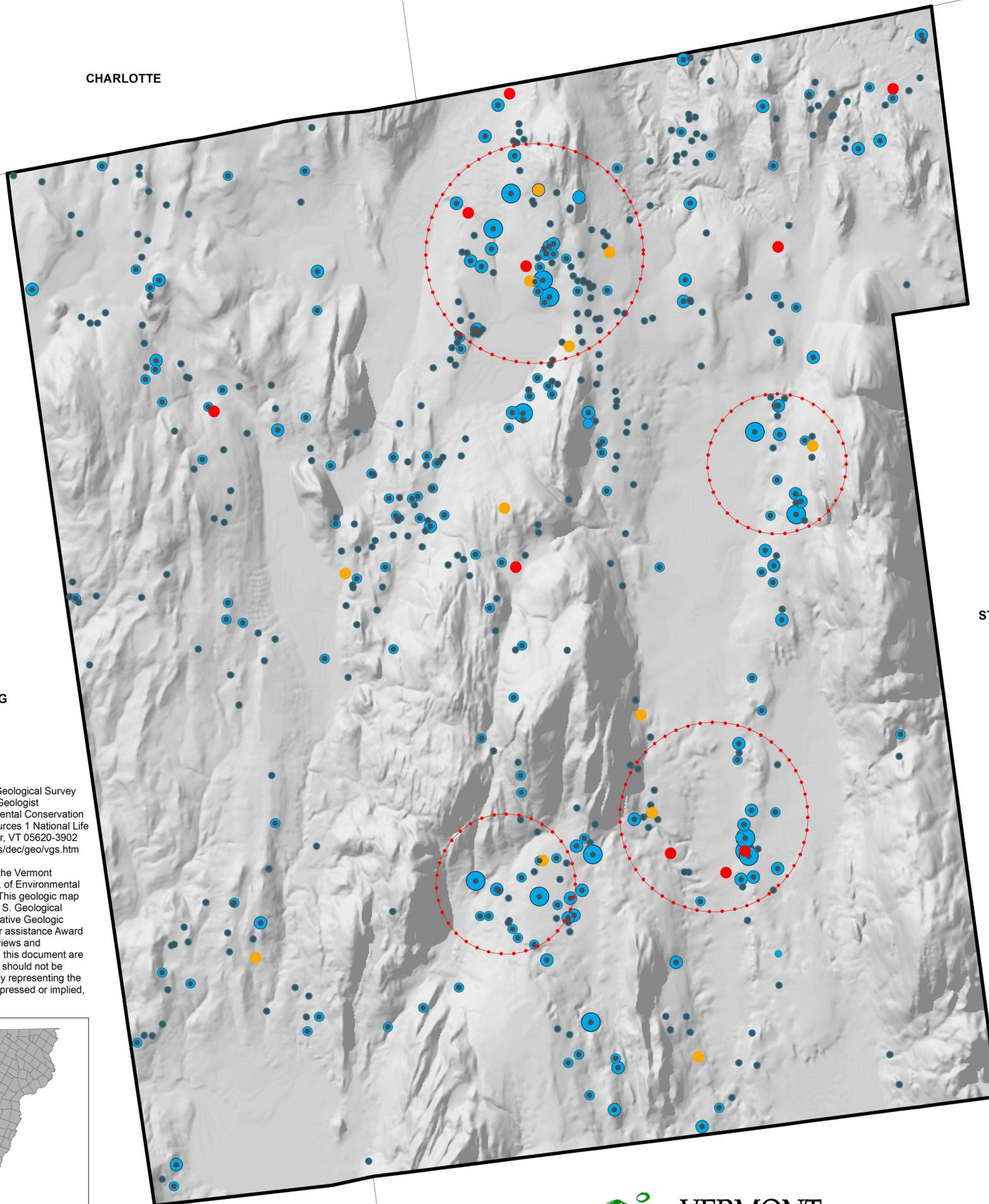
Potential Aquifer Resources in Monkton, Vermont

Bedrock Well Yield & Surficial Aquifer Potential

HINESBURG

CHARLOTTE

Vermont Geological Survey
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Potential Yield From Surficial Aquifer

- High
- Moderate to High
- Low to Moderate
- Low

STARKSBORO

Well Yield (gpm)

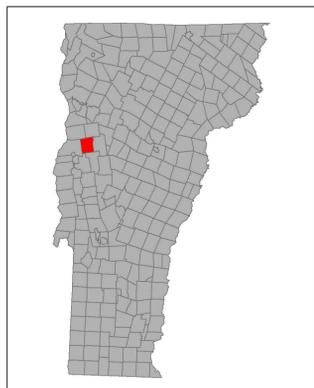
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- 12.01 - 35.00
- 35.01 - 80.00
- 80.01 - 200.00



FERRISBURG

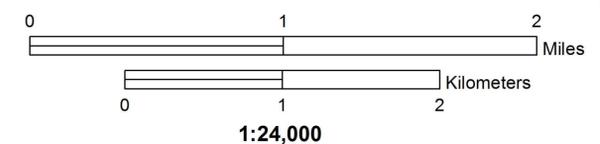
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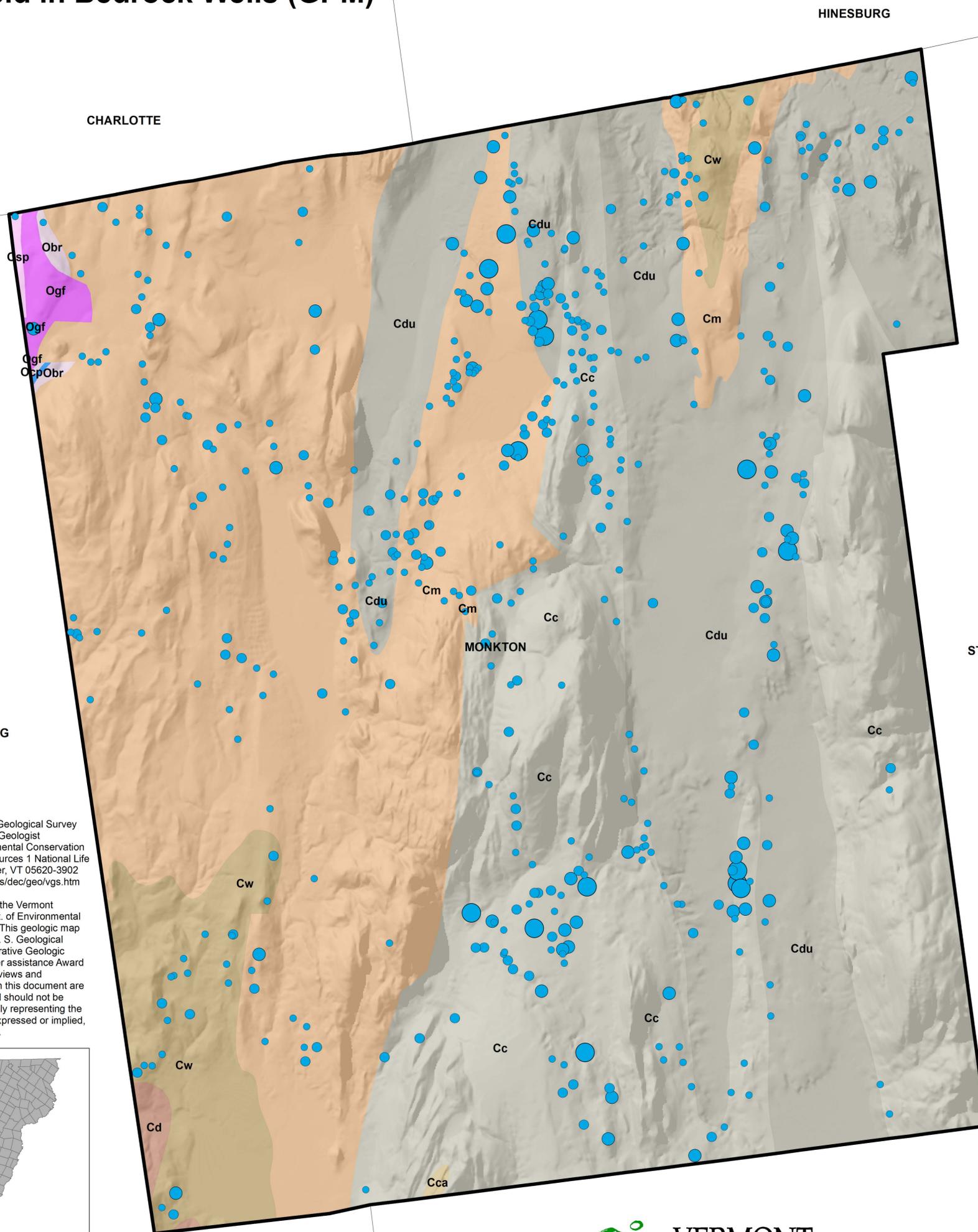


Author: John G. Van Hoesen

Bedrock Geology of Monkton, Vermont

Well Yield in Bedrock Wells (GPM)

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Well Yield (gpm)

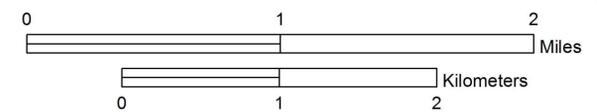
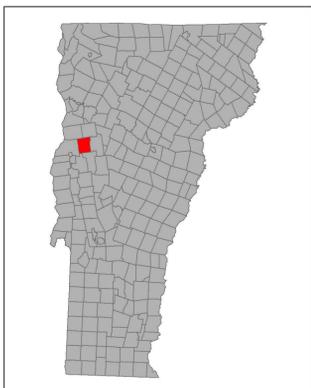
- 0.00 - 12.00
- 12.01 - 35.00
- 35.01 - 80.00
- 80.01 - 200.00

Bedrock Geology

- Cheshire Quartzite - (Cc)
- Cheshire Quartzite - (Cca)
- Danby Formation - (Cd)
- Dunham Dolostone - (Cdu)
- Monkton Quartzite - (Cm)
- Winooski Dolostone - (Cw)
- Black River Group - (Obr)
- Crown Point Formation - (Ocp)
- Glens Falls Limestone - (Ogf)
- Stony Point Formatio - (Osp)

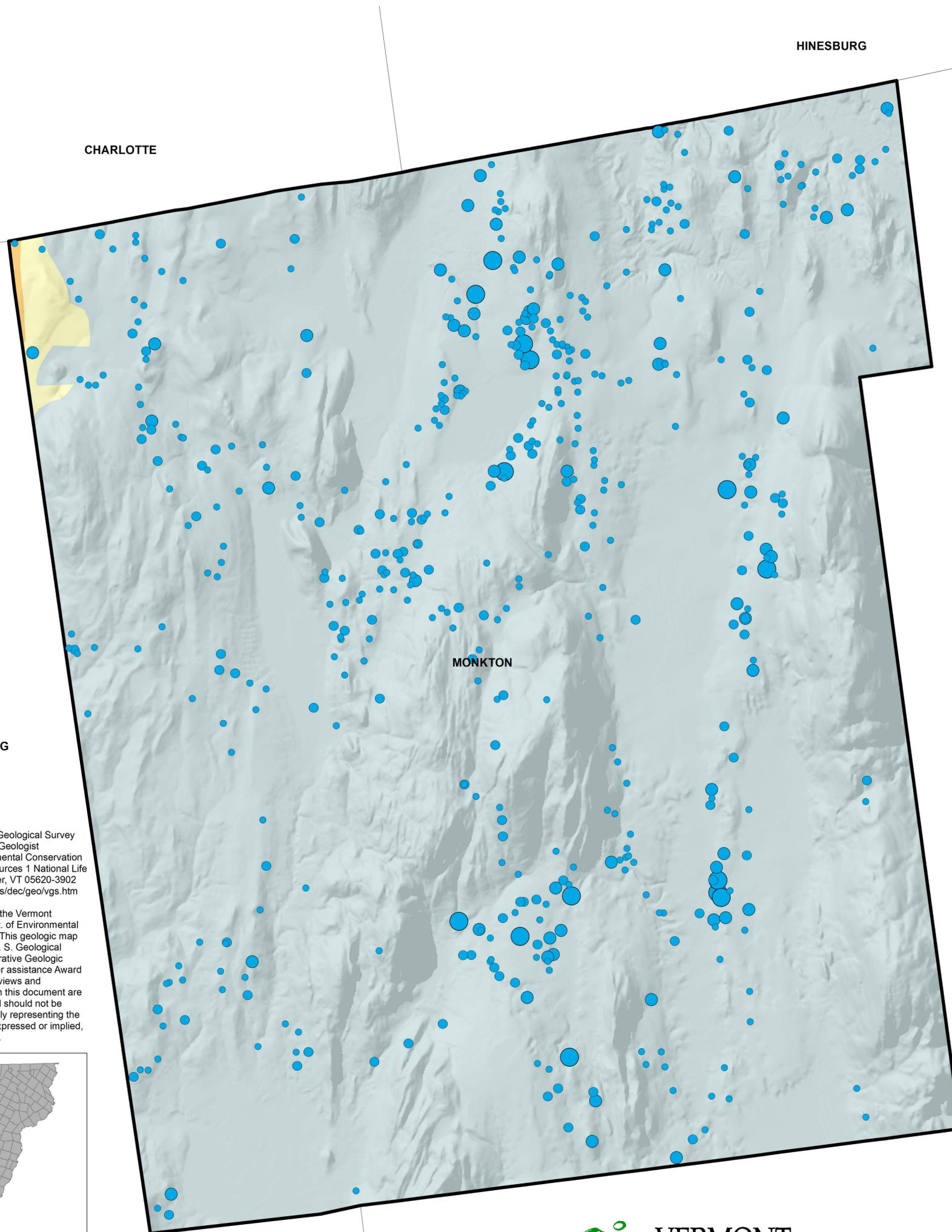
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Hydrogeologic Units of Monkton, Vermont

Vermont Geological Survey
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Well Yield (gpm)

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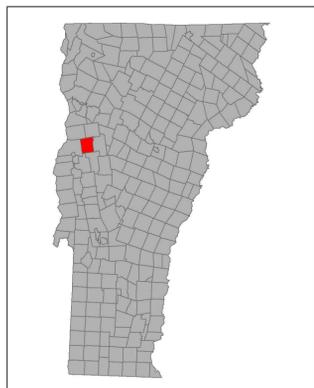
Bedrock Hydrogeologic Units

- I
- II
- III

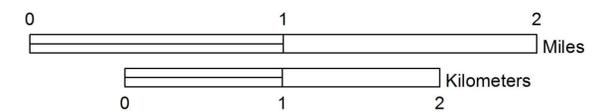
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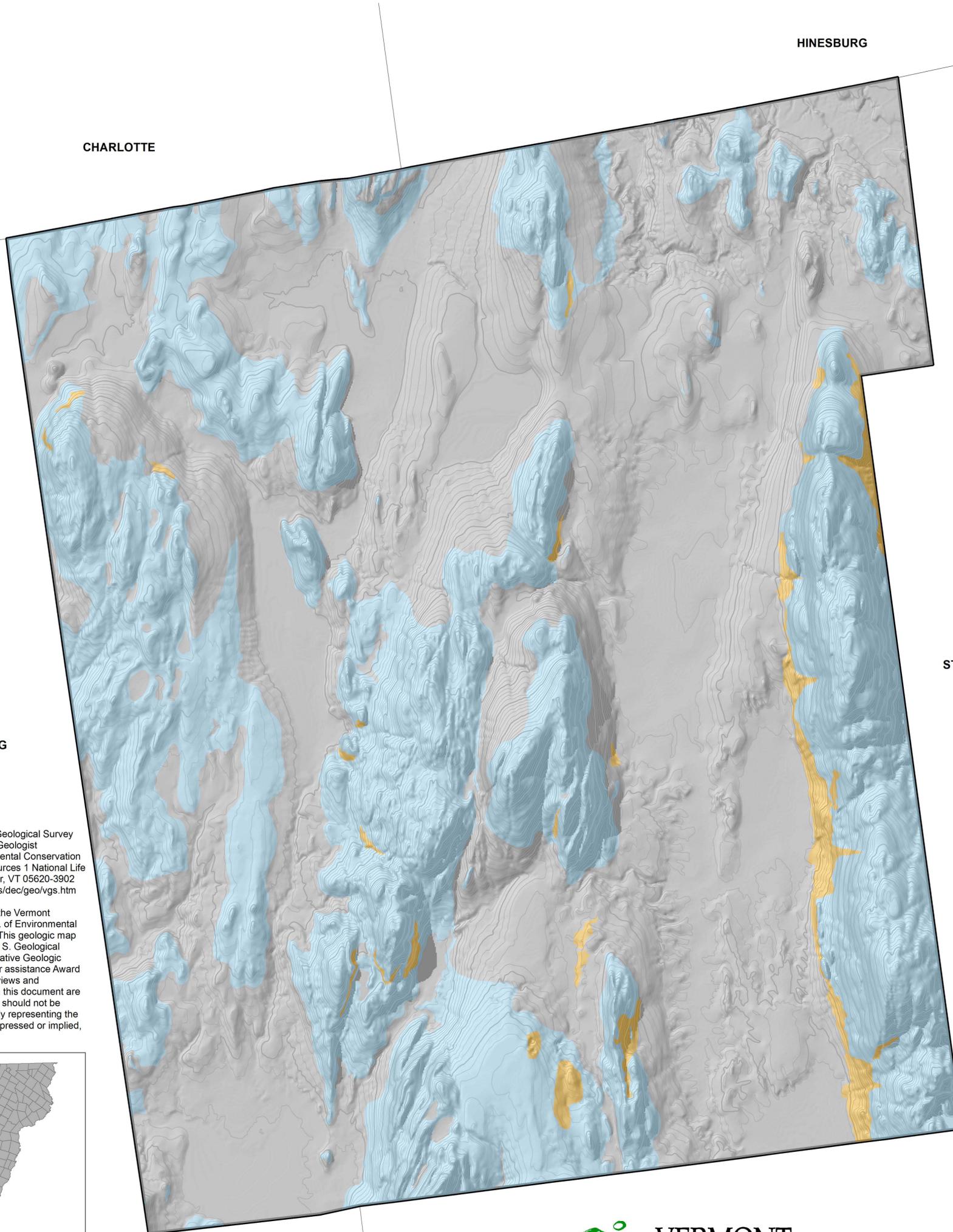
1:24,000

Author: John G. Van Hoesen



Bedrock Recharge Potential - Monkton, Vermont

Vermont Geological Survey
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Contours

- 20'
- 100'

Recharge Potential

- I - High Recharge Potential
- II - Moderate Recharge Potential
- III - Low Recharge Potential

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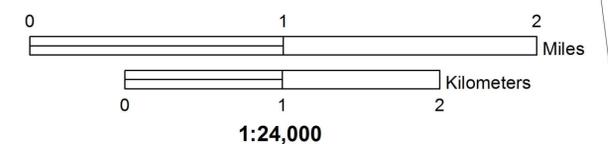
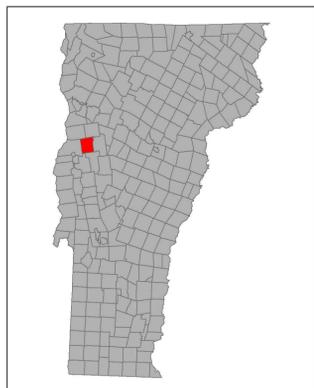
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Potential Favorability For Prevention of Direct Surface Infiltration - Monkton, Vermont

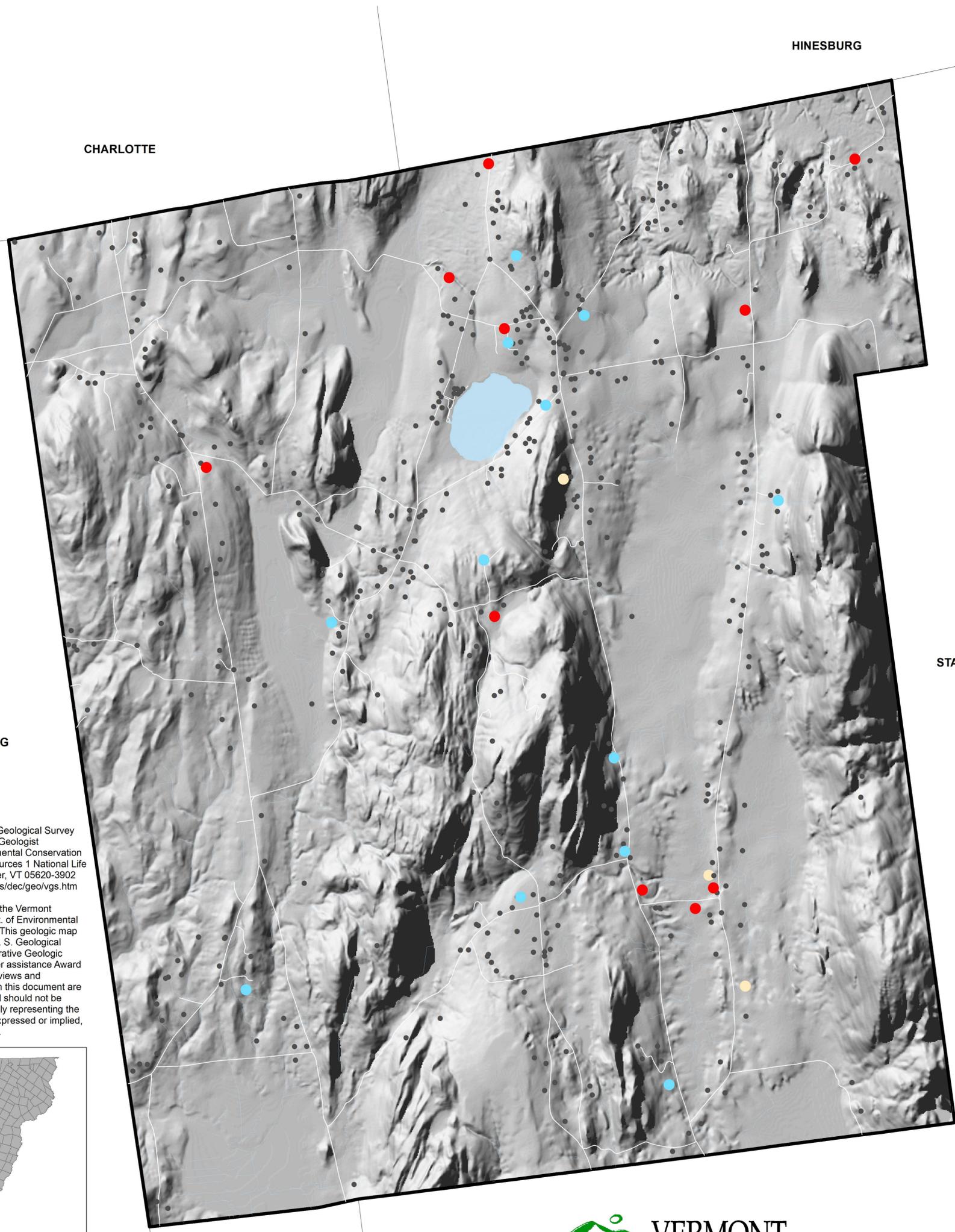
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Open File Report VG2016-2

Favorability

- High
- Low
- n/a
- Unknown

Summary

These rankings were assigned by applying a hydrogeologic classification to log descriptions of surficial deposits thicker than 40 feet from private water wells. Wells ranked HIGH contain thick fine grained deposits - which decrease rates of direct surface infiltration - overlying porous and permeable coarse-grained



FERRISBURG

CHARLOTTE

HINESBURG

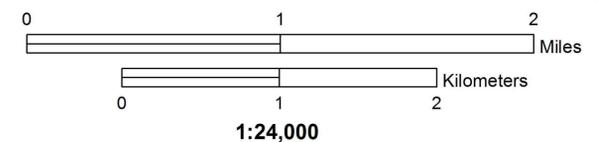
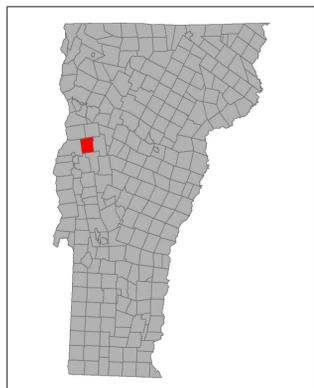
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Potential Favorability For Recharge of Groundwater to Bedrock - Monkton, Vermont

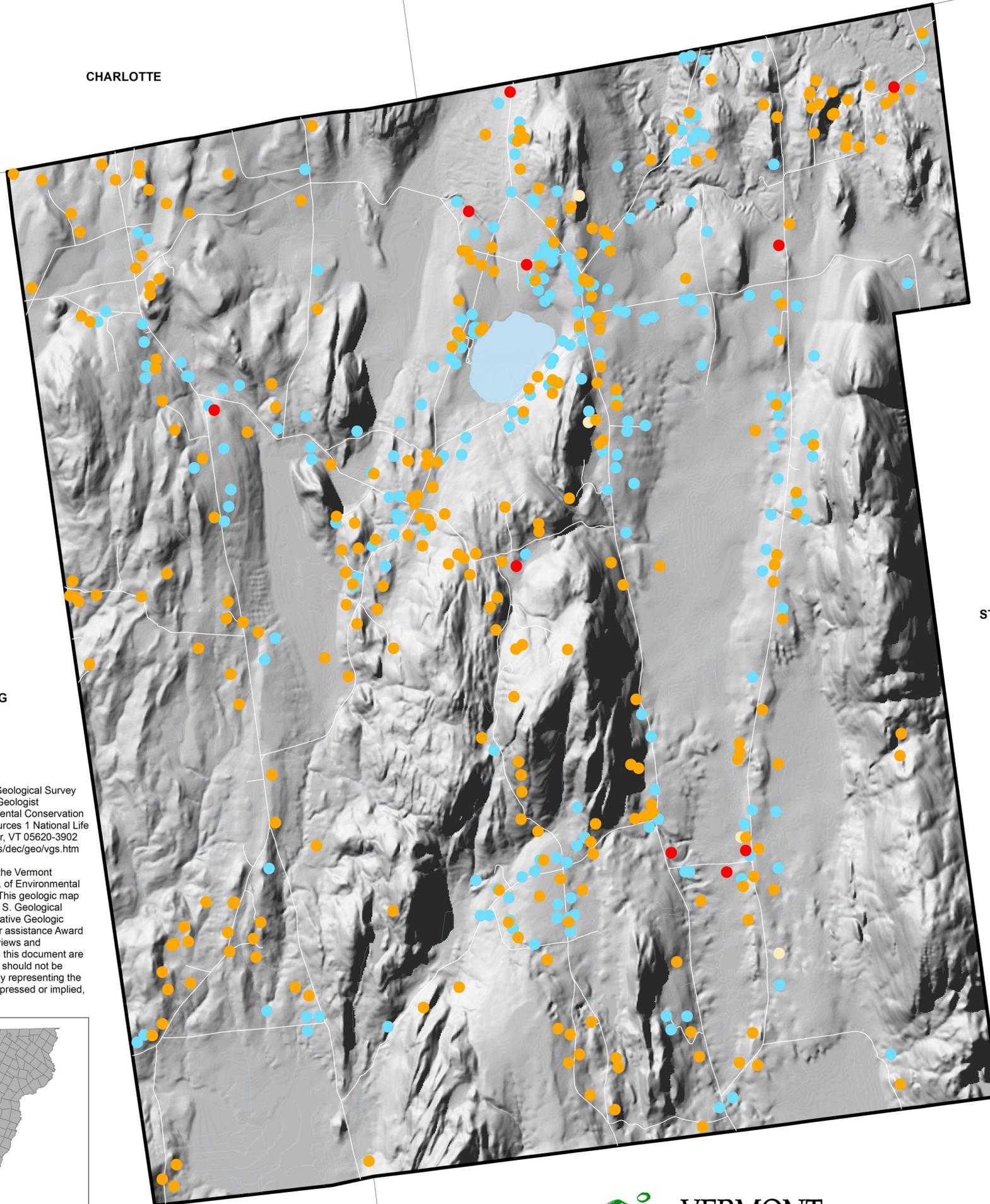
Vermont Geological Survey
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Favorability

- High
- Moderate to High
- Low to Moderate
- Low
- Unknown

Summary

These rankings were assigned by applying a hydrogeologic classification to log descriptions of surficial deposits thicker than 40 feet from private water wells. Wells ranked HIGH contain thick fine grained deposits - which decrease rates of direct surface infiltration - overlying porous and permeable coarse-grained



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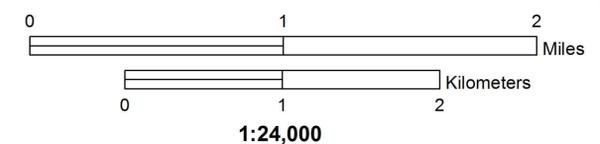
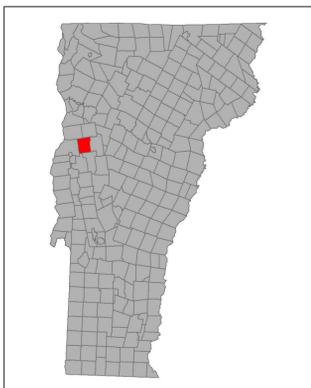
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