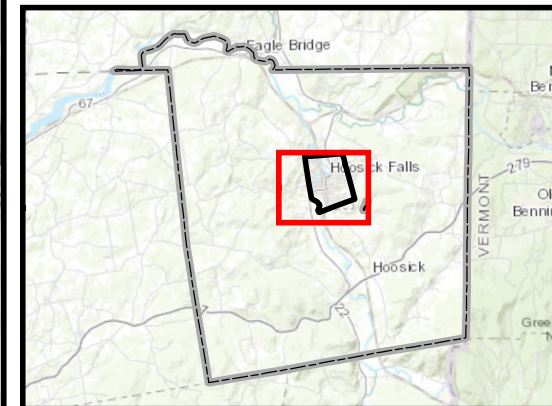


Appendix A

Previously Submitted Regional Hydrogeologic Figures

DRAFT



Legend

Regional Gauging Event - December 2020

- Site Measurements
- Stream Gauges
- Water Table Elevation Contours (10 ft)
- Water Table Elevation Contours (10 ft) - Inferred
- Stream
- Hoosic River
- Approximate Property Boundaries

NOTES:

- Due to the density of measurement locations, not all locations are labeled
- Water table elevation was modeled using spatial analyst interpolation tools in ArcGIS 10.7.1
- Steep local gradients proximal to the Hoosic River are not depicted
- Note that site investigations underway in the Hoosick Falls area may produce information that changes or enhances understanding of regional hydrogeology, including configuration of the water table.
- The basemap shown is a LiDAR derived hillshade topographic model

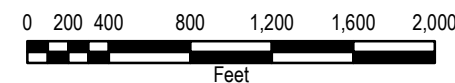
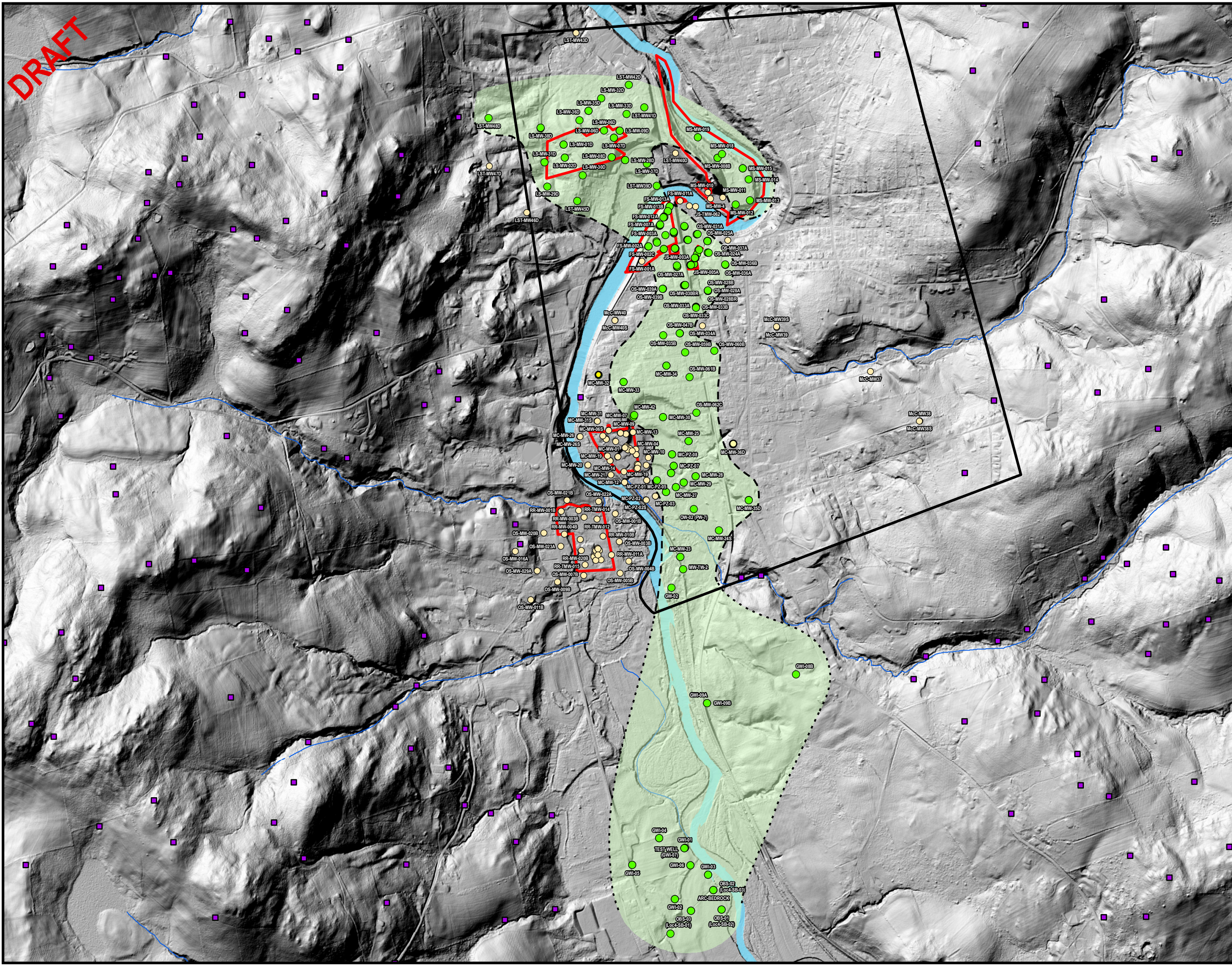


Figure A1

Regional Water Table Elevation - December 2020

Village of Hoosick Falls
Town of Hoosick
New York





Legend

- Outcrop Locations (Potter)
- ~ Stream
- Waterbody
- Approximate Site Boundaries
- Village of Hoosick Falls Boundary

Deep Sand and Gravel Unit*

- Extent of Deep Sand
- Approximate Border of Deep Sand and Gravel Unit
- Inferred Border of Deep Sand and Gravel Unit
- No Border = Extent Undefined
- Deep Sand and Gravel Unit Exists
- Deep Sand and Gravel Unit Does Not Exist

NOTES:

- * Defined as sand and gravel deposit underlying regional lacustrine silt and clay
- Due to the density of measurement locations, not all locations are labeled
- The basemap shown is a LiDAR derived hillshade topographic model

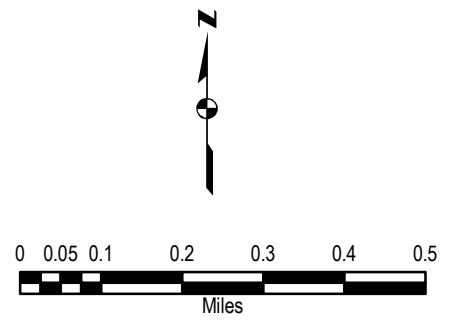


Figure A2
Deep Sand and Gravel Unit
Town of Hoosick
New York

DRAFT

C:\Users\Team\Documents\Hoosick Falls\Map\Groundwater\Elevation\Regional\2020\TactRegionalUsepConfined_BoringLocations_20210629.mxd - Brett Shaver - 6/29/2021

DRAFT

Map showing a watershed area with various monitoring wells and contour lines. The map includes a scale bar (0 to 0.5 Miles) and a north arrow.

Monitoring wells shown include:

- LS-MW-421 (425.34')
- LS-MW-420 (430.79')
- LS-MW-33D (421.74')
- LS-MW-411 (427.23')
- LS-MW-38I (435.58')
- LS-MW-38D (431.01')
- LS-MW-01D (433.65')
- LS-MW-31D (433.97')
- LS-MW-28D (436.24')
- LS-MW-32D (430.79')
- LS-MW-33D (421.74')
- LS-MW-411 (427.23')
- LS-MW-38I (435.58')
- LS-MW-38D (431.01')
- LS-MW-01D (433.65')
- LS-MW-31D (433.97')
- LS-MW-28D (436.24')
- FS-MW-013B (414.23')
- FS-MW-008B (414.44')
- FS-MW-007B (414.45')
- FS-MW-002C (414.84')
- OS-MW-025B (414.47')
- OS-MW-036B (422.74')
- OS-MW-028B (411.34')
- OS-MW-030B (415.21')
- OS-MW-033B (415.41')
- OS-MW-035B (417.99')
- MC-MW-34 (418.53')
- MC-MW-33 (424.43')
- MC-MW-07 (426.24')
- MC-PZ-08 (418.69')
- MC-PZ-06 (418.64')
- MC-PZ-05 (419.67')
- MC-PZ-04 (418.53')
- VNF-GW-02 (413.75')
- MC-MW-23 (418.8')
- MC-MW-TW2 (412.45')
- MC-GW-02 (418.82')
- GWL-MW-098 (433.97')
- GWL-04 (423.45')
- TEST WELL (425.31')
- GWL-06 (425.56')
- GWL-07 (425.87')
- ARC-OBS-02 (425.51')
- ARC-OBS-03 (425.14')
- ARC-OBS-04 (425.48')
- ARC-OBS-01 (425.45')
- GW-MW-08B (484.45')
- MC-MW-35I (451.54')
- MC-MW-24S (421.15')
- MS-MW-015B (401.07')
- MS-MW-008B (400.49')
- MS-MW-015 (400.59')
- MS-MW-014B (400.72')
- MS-MW-013B (407.47')

Contour lines are labeled with elevations: 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460.



Regional Gauging Event - December 2020

- NOTES:**
- * Defined as sand and gravel deposit underlying regional lacustrine silt and clay
 - **Head values in well OS-MW-60B confirm an anomalous groundwater depression at this location which may be related to regional bedrock faulting. The head elevation for OS-MW-60B is posted for completeness but was not used in contouring the data. Omission of this data point does not significantly change the valley-wide groundwater flow regime.
 - Due to the density of measurement locations, not all locations are labeled
 - Groundwater elevation was modeled using spatial analyst interpolation tools in ArcGIS 10.7.1
 - Note that site investigations underway in the Hoosick Falls area may produce information that changes or enhances understanding of regional hydrogeology, including configuration of the contours shown.
 - The basemap shown is a LiDAR derived hillshade topographic model



 Village of Hoosick Falls Boundary

Regional Gauging Event - December 2020

-  Locations Screened in the Deep Sand Unit*
-  Groundwater Elevation Contours (2 ft generally; 10 ft where high density)
-  Stream
-  Waterbody

- - - Approximate Border of Deep Sand Aquifer

..... Inferred Border of Deep Sand Aquifer

Extent of Deep Sand

* Defined as sand and gravel deposit underlying regional lacustrine silt and clay

****Head values in well OS-MW-60B confirm an anomalous groundwater depression at this location which may be related to regional bedrock faulting. The head elevation for OS-MW-60B is posted for completeness but was not used in contouring the data. Omission of this data point does not significantly change the valley-wide groundwater flow regime.**

- Due to the density of measurement locations, not all locations are labeled
- Groundwater elevation was modeled using spatial analyst interpolation tools in ArcGIS 10.7.1
- Note that site investigations underway in the Hoosick Falls area may produce information that changes or enhances understanding of regional hydrogeology, including configuration of the contours shown.
- The basemap shown is a LiDAR derived hillshade topographic model

Figure A5

Potentiometric Surface - Deep Sand & Contiguous Shallow Sand

Town of Hoosick
New York

