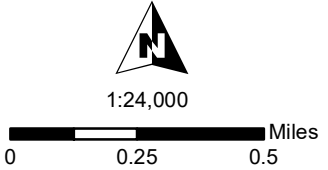


- Legend**
- Line of Sight
  - Representative Viewpoint with Photo Simulation
  - Project Site
  - Foreground Distance Zone (0.5 miles)
  - Visual Study Area (2 miles)
  - Potential Visibility of Solar Array\*
  - ▲ Point of Interconnection
  - Underground Electric Line
  - Aboveground Electric Line (Cabling on Sleepers)
  - Facility Substation
  - Photovoltaic Solar Array

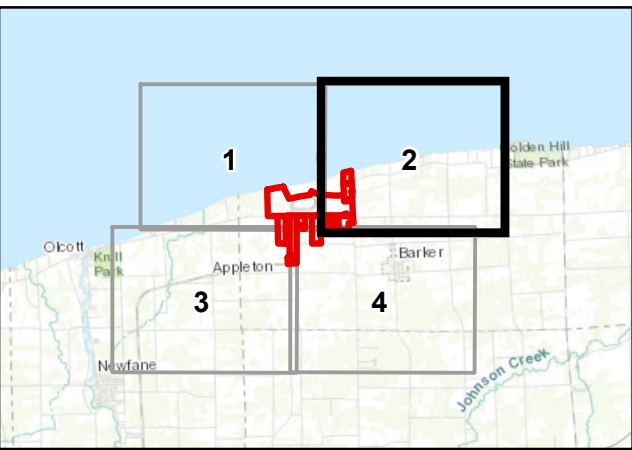
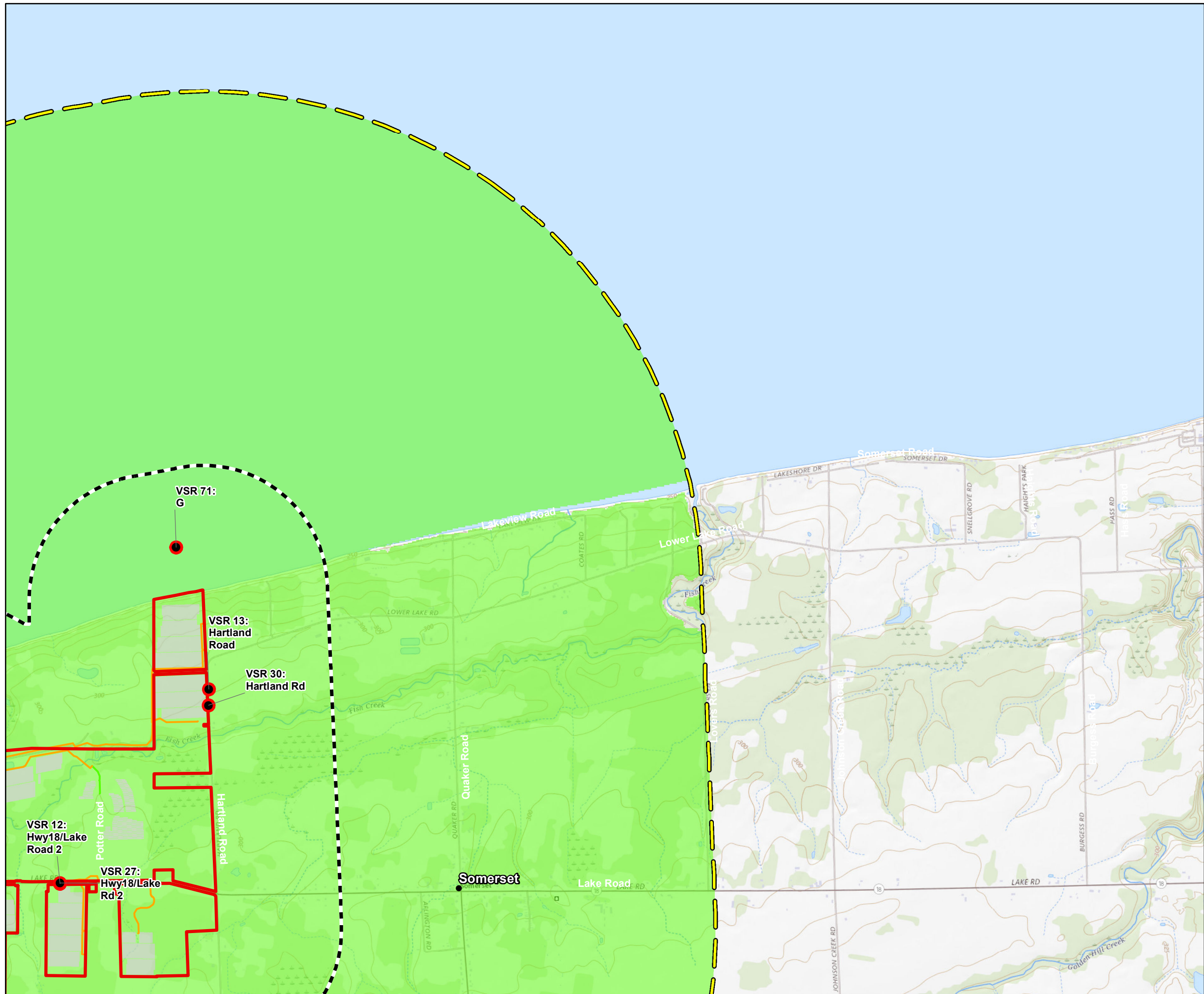
\*Viewshed analysis based on USGS NED10m. Solar array obtained from Tetra Tech Engineering on 08/03/2023. An array height of 11 ft and an observer height of 6 ft were assumed in the analysis. Areas that are not shaded in green indicate that the proposed solar facility is likely not visible at that location.



**Figure 3d**  
Viewshed Analysis for Solar Arrays  
Topographic View  
Map 1 of 4  
Somerset Solar  
Niagara County, NY  
August 2023

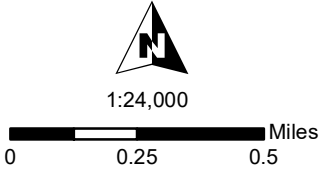


Source: ESRI, USDA NAIP, BTS, US CENSUS, TETRA TECH, USGS NED, LANDFIRE EVH



- Legend**
- Representative Viewpoint with Photo Simulation
  - Project Site
  - Foreground Distance Zone (0.5 miles)
  - Visual Study Area (2 miles)
  - Potential Visibility of Solar Array\*
  - Underground Electric Line
  - Aboveground Electric Line (Cabling on Sleepers)
  - Photovoltaic Solar Array

\*Viewshed analysis based on USGS NED10m. Solar array obtained from Tetra Tech Engineering on 08/03/2023. An array height of 11 ft and an observer height of 6 ft were assumed in the analysis. Areas that are not shaded in green indicate that the proposed solar facility is likely not visible at that location.

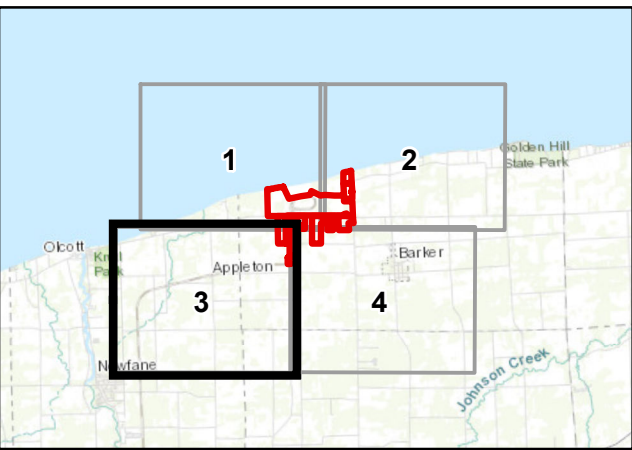
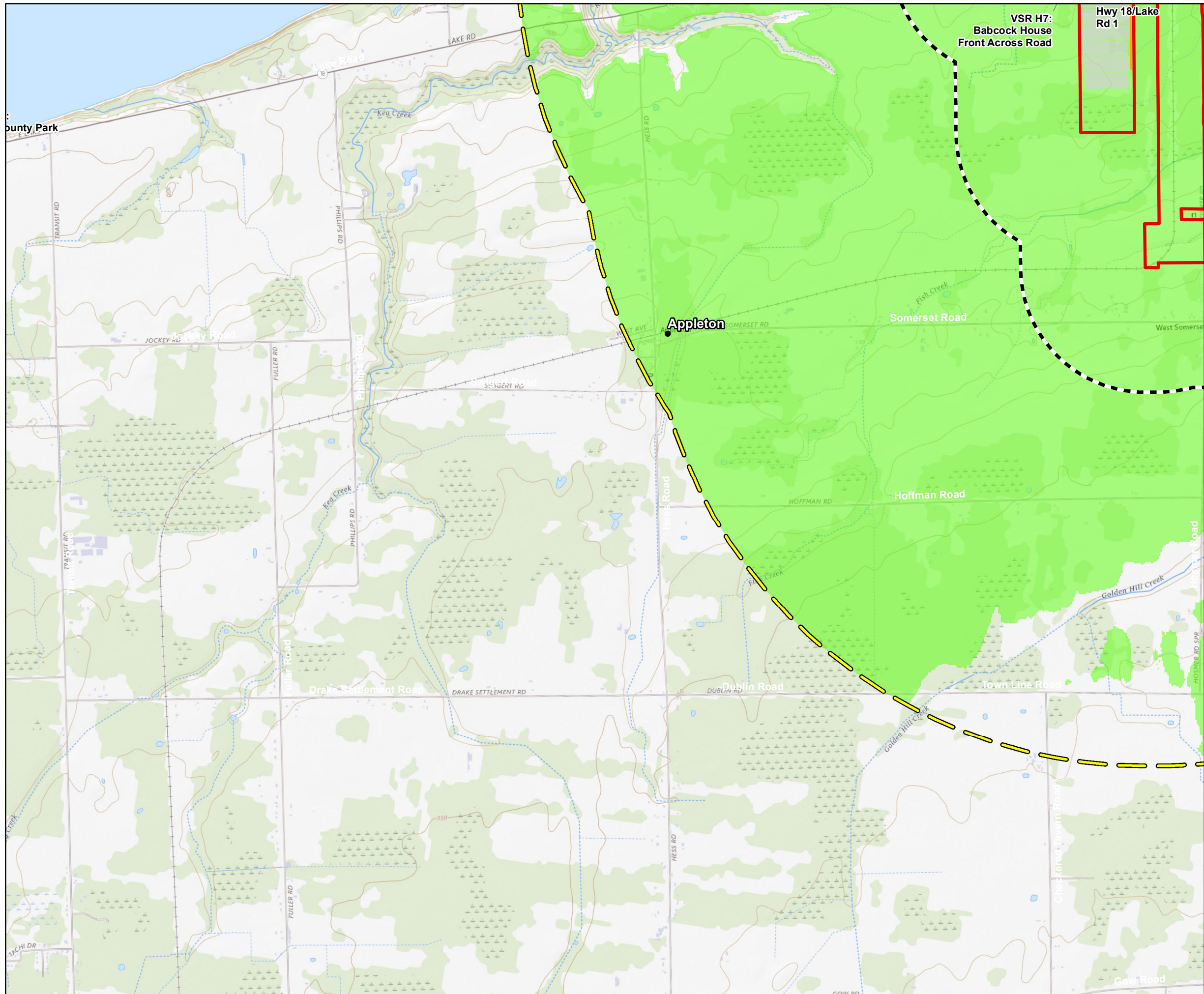


**Figure 3d**  
 Viewshed Analysis for Solar Arrays  
 Topographic View  
 Map 2 of 4  
 Somerset Solar  
 Niagara County, NY  
 August 2023



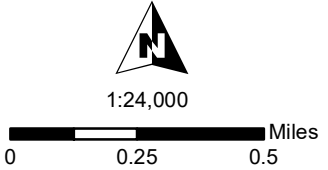
Source: ESRI, USDA NAIP, BTS, US CENSUS, TETRA TECH, USGS NED, LANDFIRE EVH





- Legend**
- Project Site
  - Foreground Distance Zone (0.5 miles)
  - Visual Study Area (2 miles)
  - Potential Visibility of Solar Array\*
  - Underground Electric Line
  - Photovoltaic Solar Array

\*Viewshed analysis based on USGS NED10m. Solar array obtained from Tetra Tech Engineering on 08/03/2023. An array height of 11 ft and an observer height of 6 ft were assumed in the analysis. Areas that are not shaded in green indicate that the proposed solar facility is likely not visible at that location.



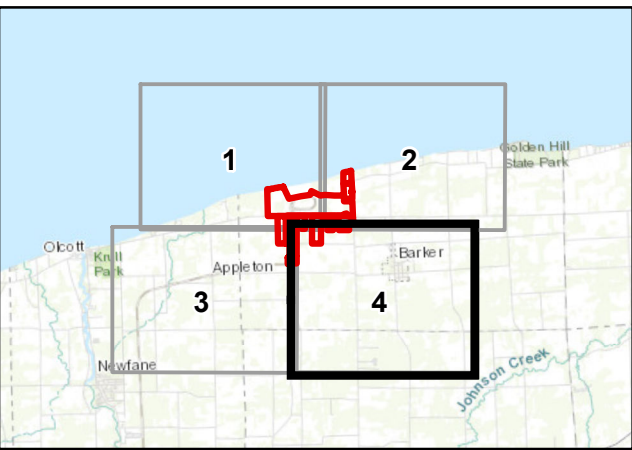
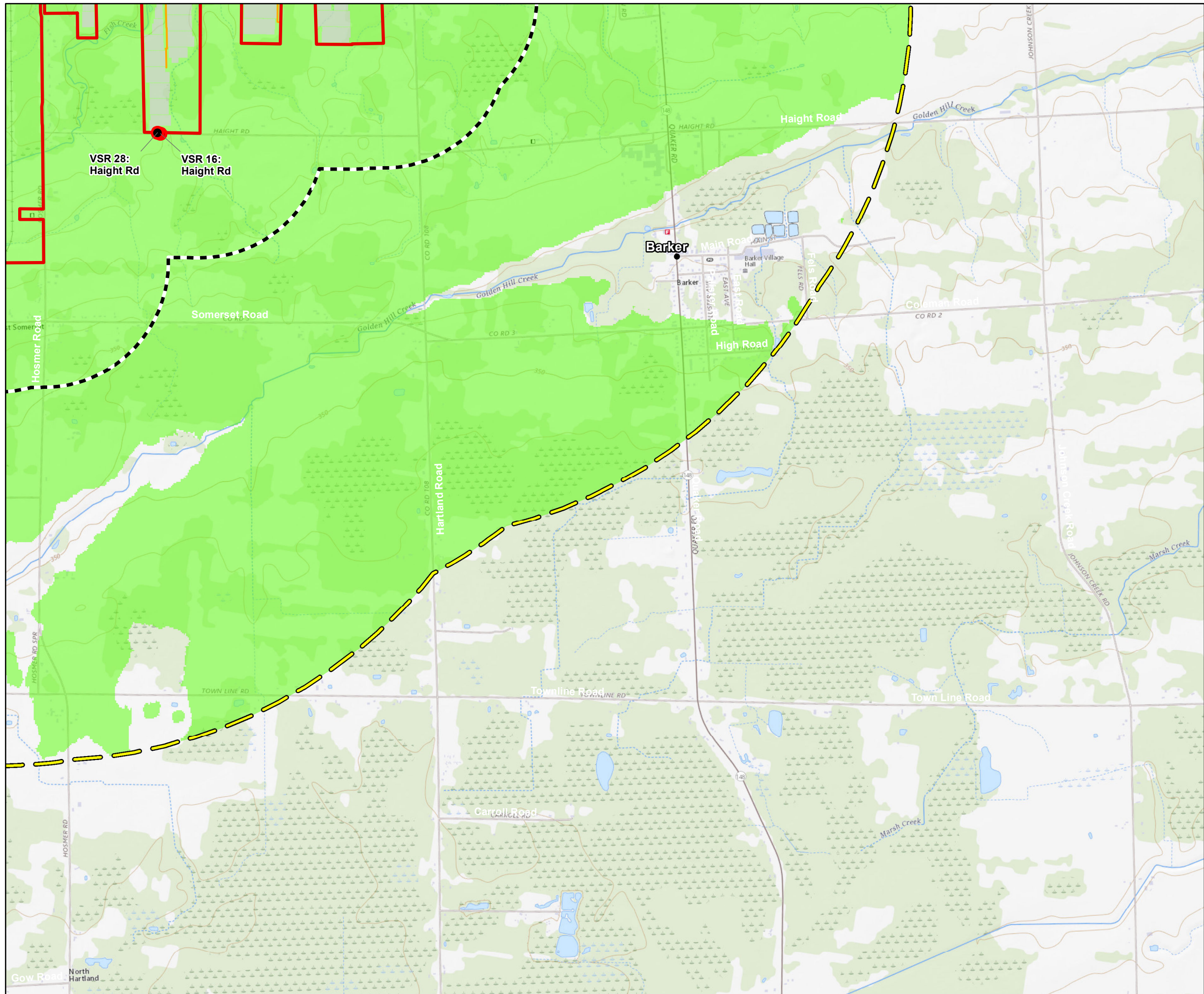
**Figure 3d**

Viewshed Analysis for Solar Arrays  
 Topographic View  
 Map 3 of 4  
 Somerset Solar  
 Niagara County, NY  
 August 2023



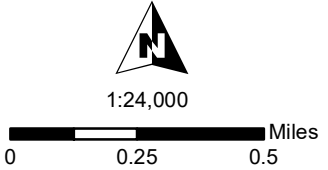
Source: ESRI, USDA NAIP, BTS, US CENSUS, TETRA TECH, USGS NED, LANDFIRE EVH





- Legend**
- Representative Viewpoint with Photo Simulation
  - Project Site
  - Foreground Distance Zone (0.5 miles)
  - Visual Study Area (2 miles)
  - Potential Visibility of Solar Array\*
  - Underground Electric Line
  - Photovoltaic Solar Array

\*Viewshed analysis based on USGS NED10m. Solar array obtained from Tetra Tech Engineering on 08/03/2023. An array height of 11 ft and an observer height of 6 ft were assumed in the analysis. Areas that are not shaded in green indicate that the proposed solar facility is likely not visible at that location.



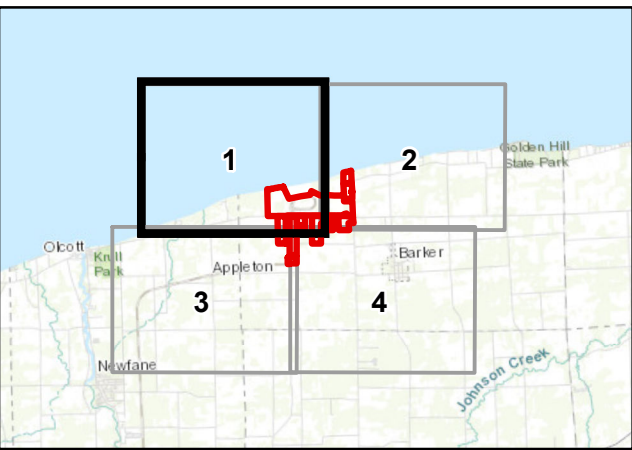
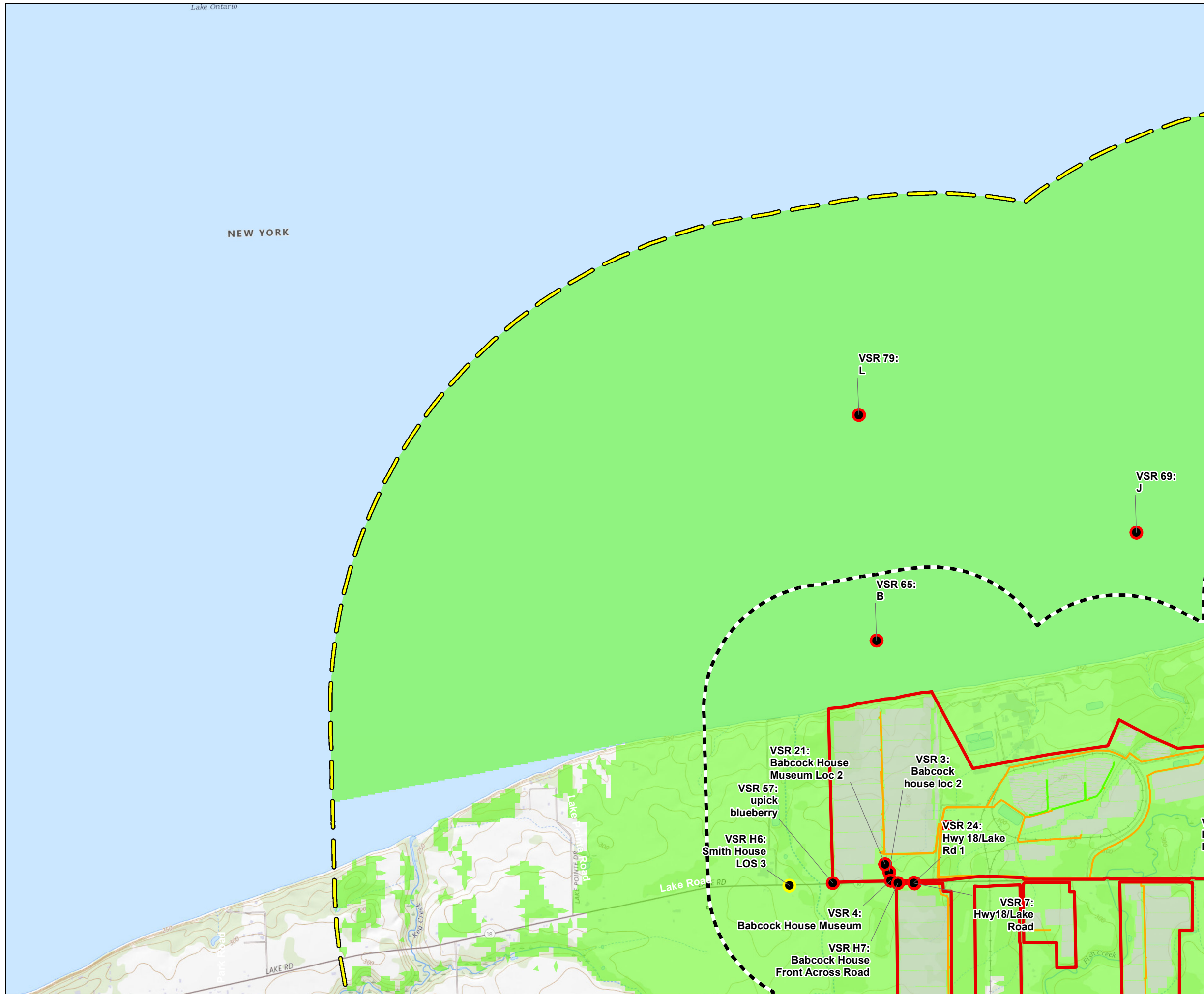
**Figure 3d**

Viewshed Analysis for Solar Arrays  
 Topographic View  
 Map 4 of 4  
 Somerset Solar  
 Niagara County, NY  
 August 2023



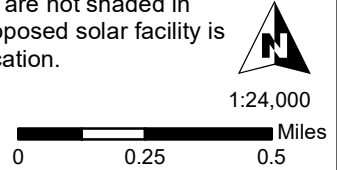
Source: ESRI, USDA NAIP, BTS, US CENSUS, TETRA TECH, USGS NED, LANDFIRE EVH





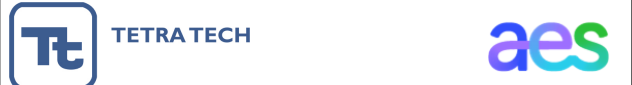
- Legend**
- Line of Sight
  - Representative Viewpoint with Photo Simulation
  - Project Site
  - Foreground Distance Zone (0.5 miles)
  - Visual Study Area (2 miles)
  - Potential Visibility of Solar Array\*
  - ▲ Point of Interconnection
  - Overhead Electric Line
  - Underground Electric Line
  - Aboveground Electric Line (Cabling on Sleepers)
  - Facility Substation
  - Photovoltaic Solar Array

\*Viewshed analysis based on USGS NED10m. USGS 10m was modified to account for forested areas using the USGS LANDFIRE Existing Vegetation Height data. Solar array obtained from Tetra Tech Engineering on 08/03/2023. An array height of 11 ft and an observer height of 6 ft were assumed in the analysis. Areas that are not shaded in green indicate that the proposed solar facility is likely not visible at that location.



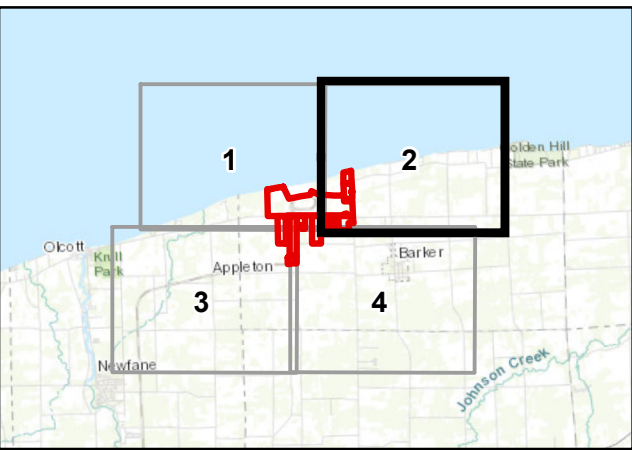
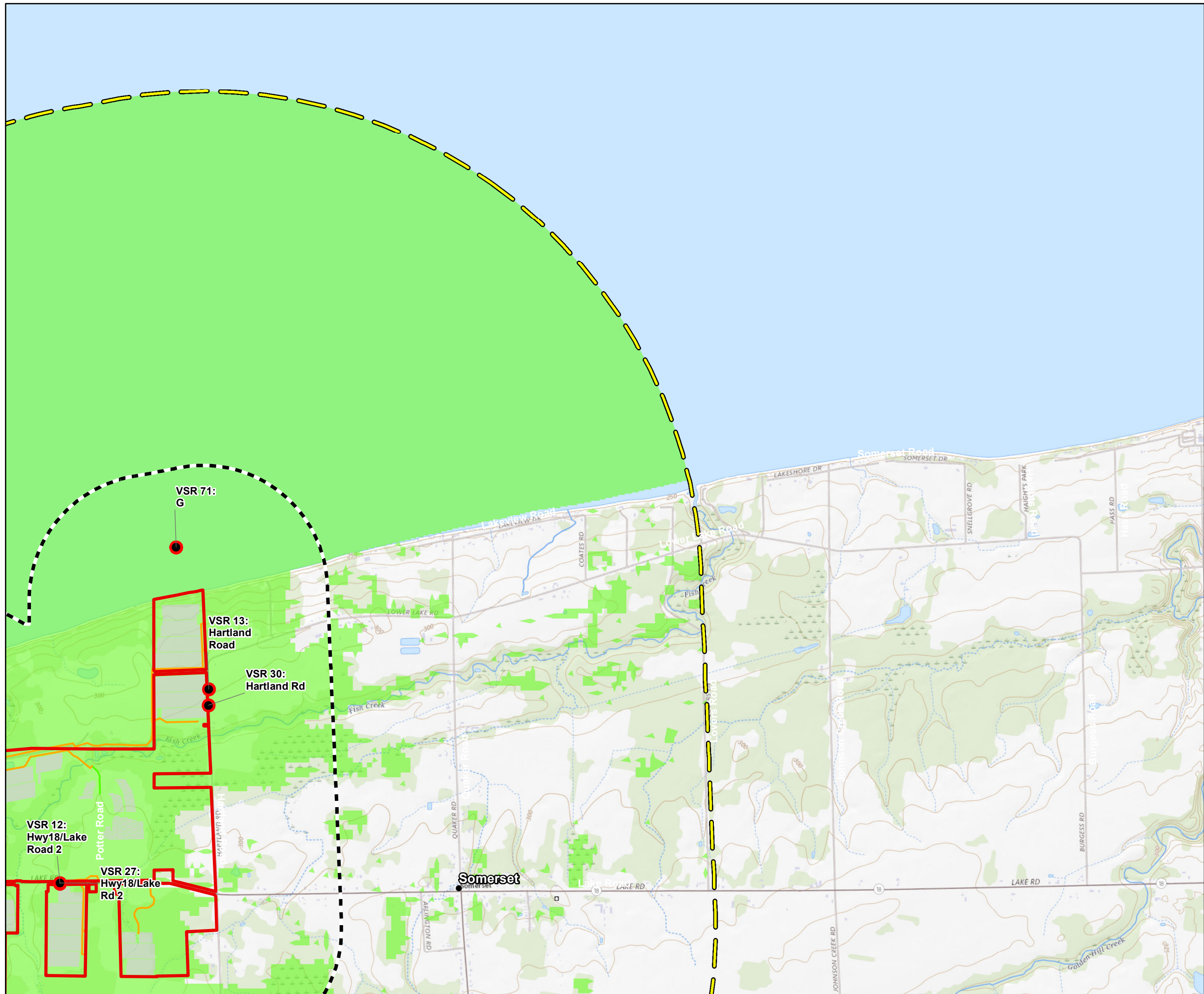
**Figure 3e**

Viewshed Analysis for Solar Arrays  
 Vegetated View  
 Map 1 of 4  
 Somerset Solar  
 Niagara County, NY  
 August 2023



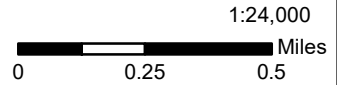
Source: ESRI, USDA NAIP, BTS, US CENSUS, TETRA TECH, USGS NED, LANDFIRE EVH





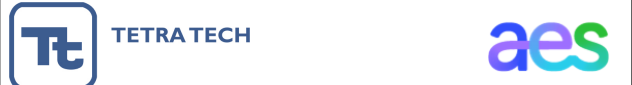
- Legend**
- Representative Viewpoint with Photo Simulation
  - Project Site
  - Foreground Distance Zone (0.5 miles)
  - Visual Study Area (2 miles)
  - Potential Visibility of Solar Array\*
  - ▲ Point of Interconnection
  - Overhead Electric Line
  - Underground Electric Line
  - Aboveground Electric Line (Cabling on Sleepers)
  - Facility Substation
  - Photovoltaic Solar Array

\*Viewshed analysis based on USGS NED10m. USGS 10m was modified to account for forested areas using the USGS LANDFIRE Existing Vegetation Height data. Solar array obtained from Tetra Tech Engineering on 08/03/2023. An array height of 11 ft and an observer height of 6 ft were assumed in the analysis. Areas that are not shaded in green indicate that the proposed solar facility is likely not visible at that location.



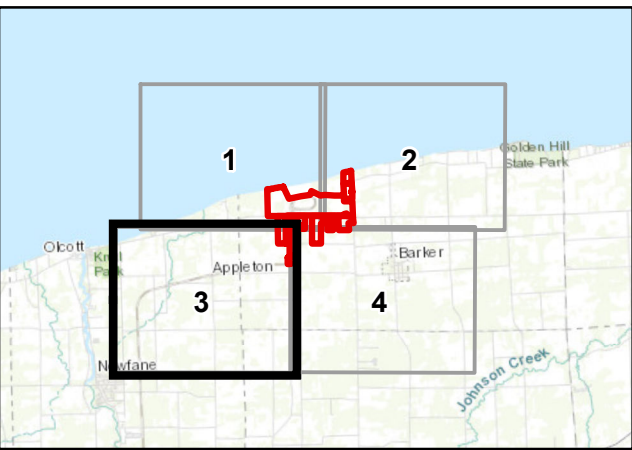
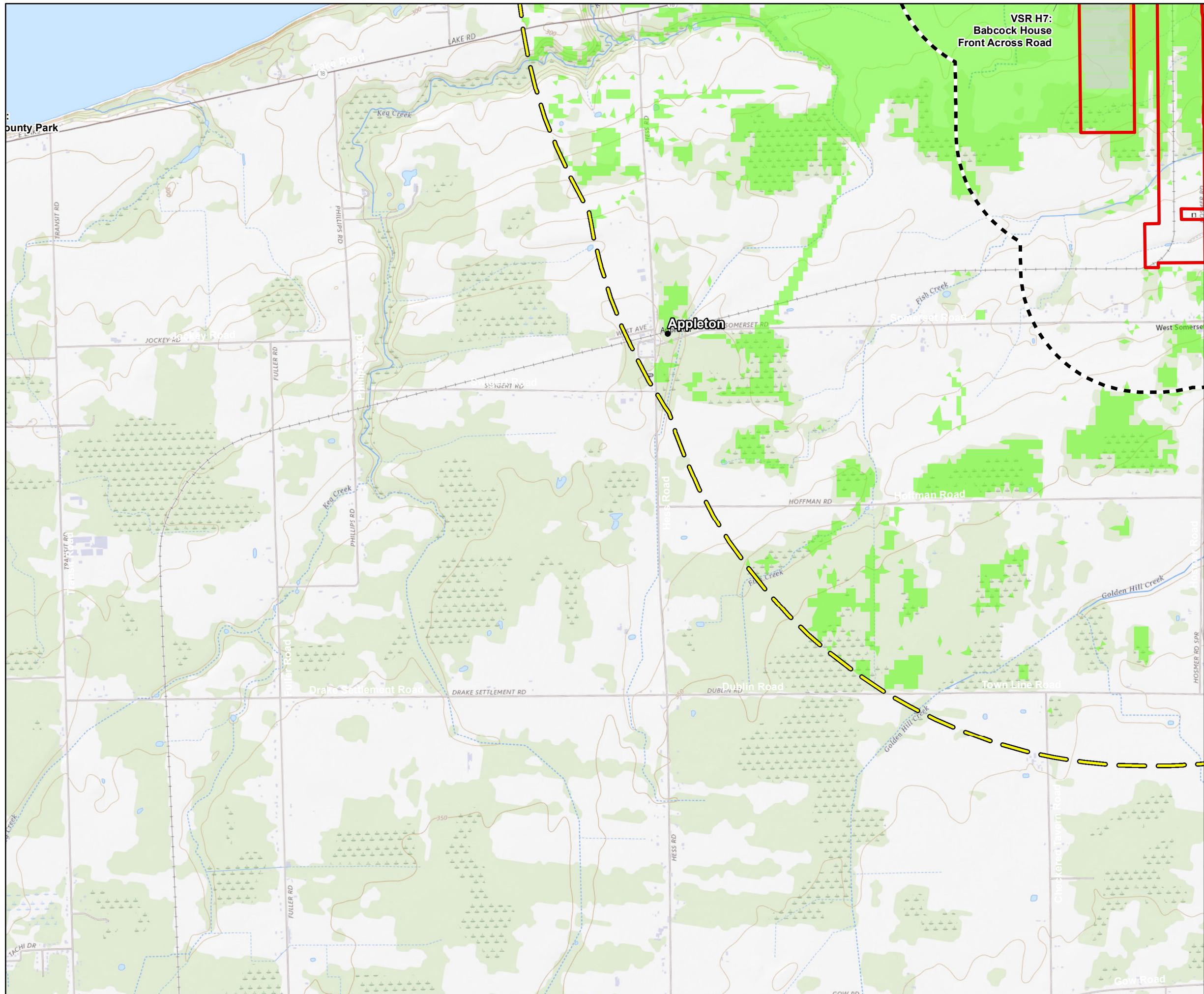
**Figure 3e**

Viewshed Analysis for Solar Arrays  
 Vegetated View  
 Map 2 of 4  
 Somerset Solar  
 Niagara County, NY  
 August 2023



Source: ESRI, USDA NAIP, BTS, US CENSUS, TETRA TECH, USGS NED, LANDFIRE EVH

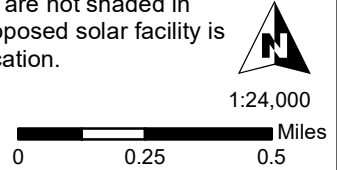




**Legend**

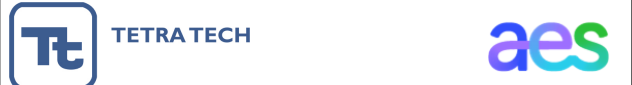
- Project Site
- Foreground Distance Zone (0.5 miles)
- Visual Study Area (2 miles)
- Potential Visibility of Solar Array\*
- ▲ Point of Interconnection
- Overhead Electric Line
- Underground Electric Line
- Aboveground Electric Line (Cabling on Sleepers)
- Facility Substation
- Photovoltaic Solar Array

\*Viewshed analysis based on USGS NED10m. USGS 10m was modified to account for forested areas using the USGS LANDFIRE Existing Vegetation Height data. Solar array obtained from Tetra Tech Engineering on 08/03/2023. An array height of 11 ft and an observer height of 6 ft were assumed in the analysis. Areas that are not shaded in green indicate that the proposed solar facility is likely not visible at that location.



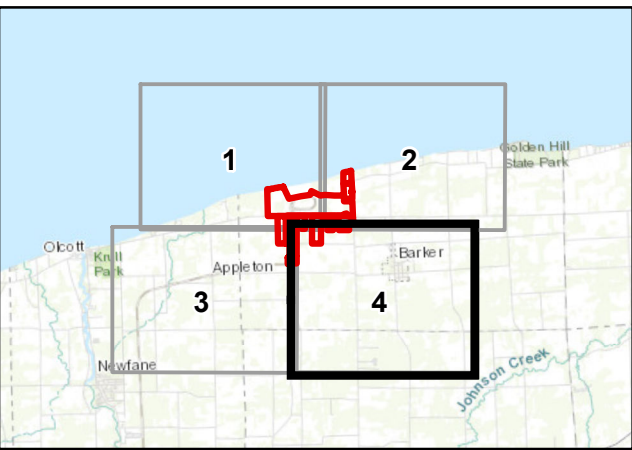
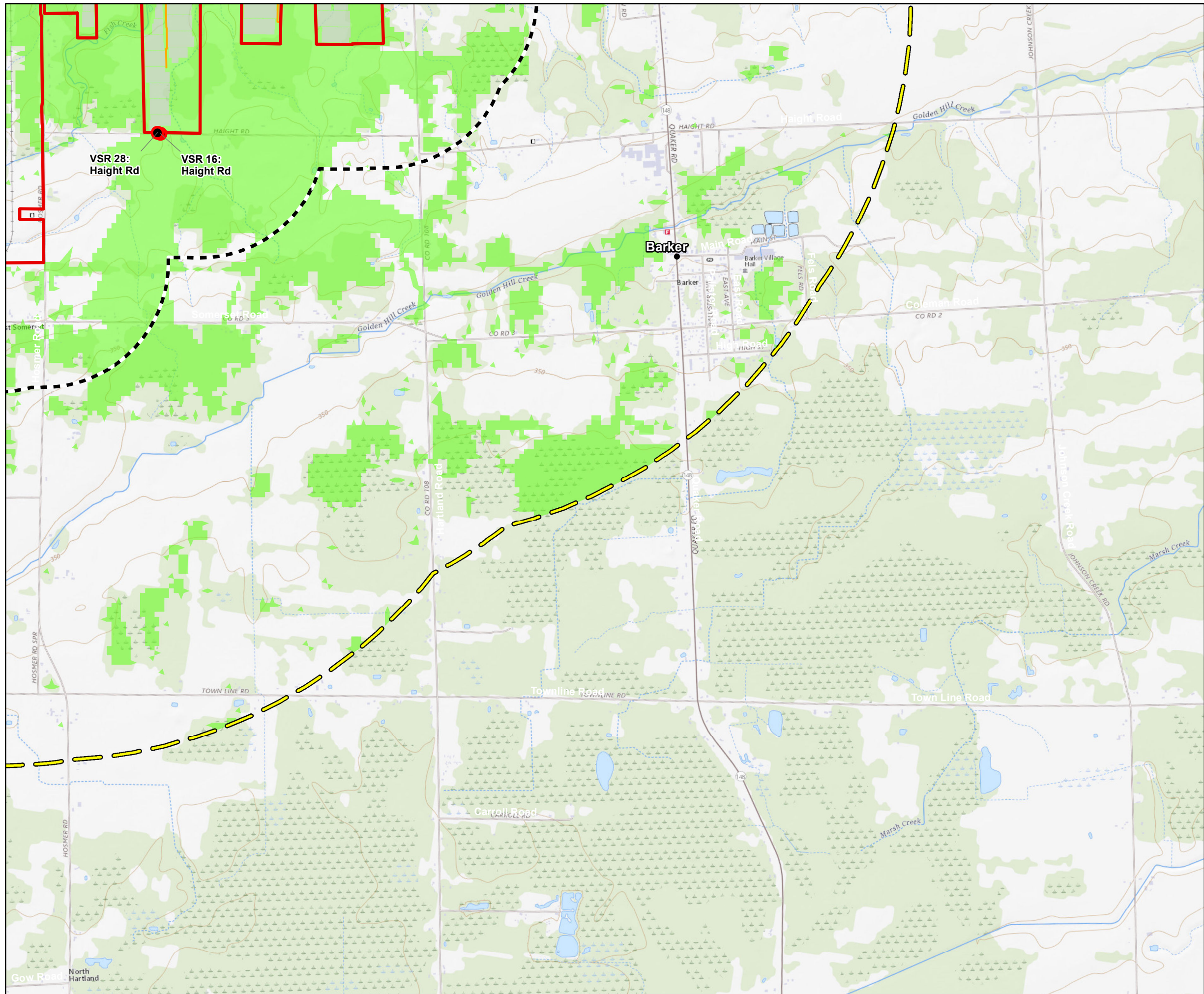
**Figure 3e**

Viewshed Analysis for Solar Arrays  
 Vegetated View  
 Map 3 of 4  
 Somerset Solar  
 Niagara County, NY  
 August 2023



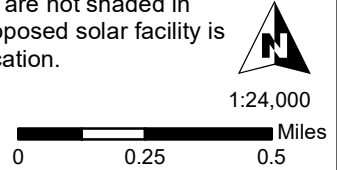
Source: ESRI, USDA NAIP, BTS, US CENSUS, TETRA TECH, USGS NED, LANDFIRE EVH





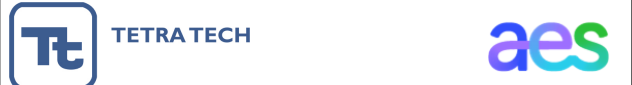
- Legend**
- Representative Viewpoint with Photo Simulation
  - Project Site
  - Foreground Distance Zone (0.5 miles)
  - Visual Study Area (2 miles)
  - Potential Visibility of Solar Array\*
  - ▲ Point of Interconnection
  - Overhead Electric Line
  - Underground Electric Line
  - Aboveground Electric Line (Cabling on Sleepers)
  - Facility Substation
  - Photovoltaic Solar Array

\*Viewshed analysis based on USGS NED10m. USGS 10m was modified to account for forested areas using the USGS LANDFIRE Existing Vegetation Height data. Solar array obtained from Tetra Tech Engineering on 08/03/2023. An array height of 11 ft and an observer height of 6 ft were assumed in the analysis. Areas that are not shaded in green indicate that the proposed solar facility is likely not visible at that location.



**Figure 3e**

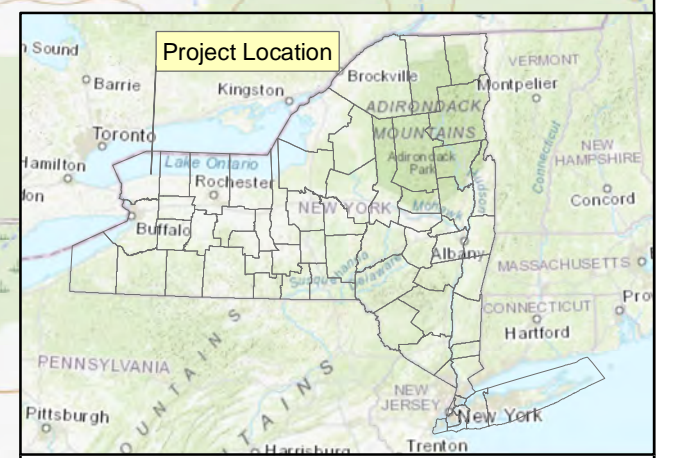
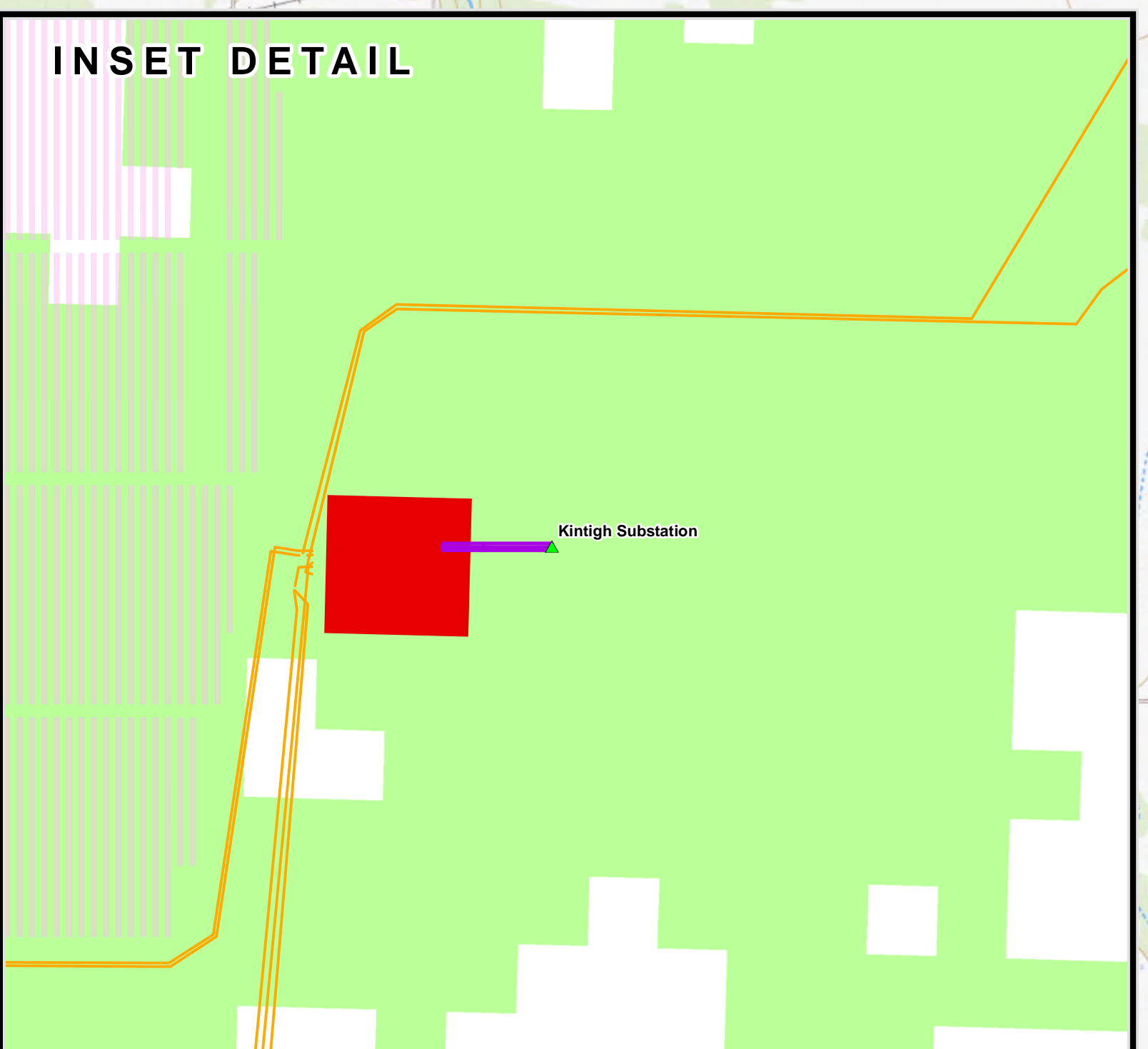
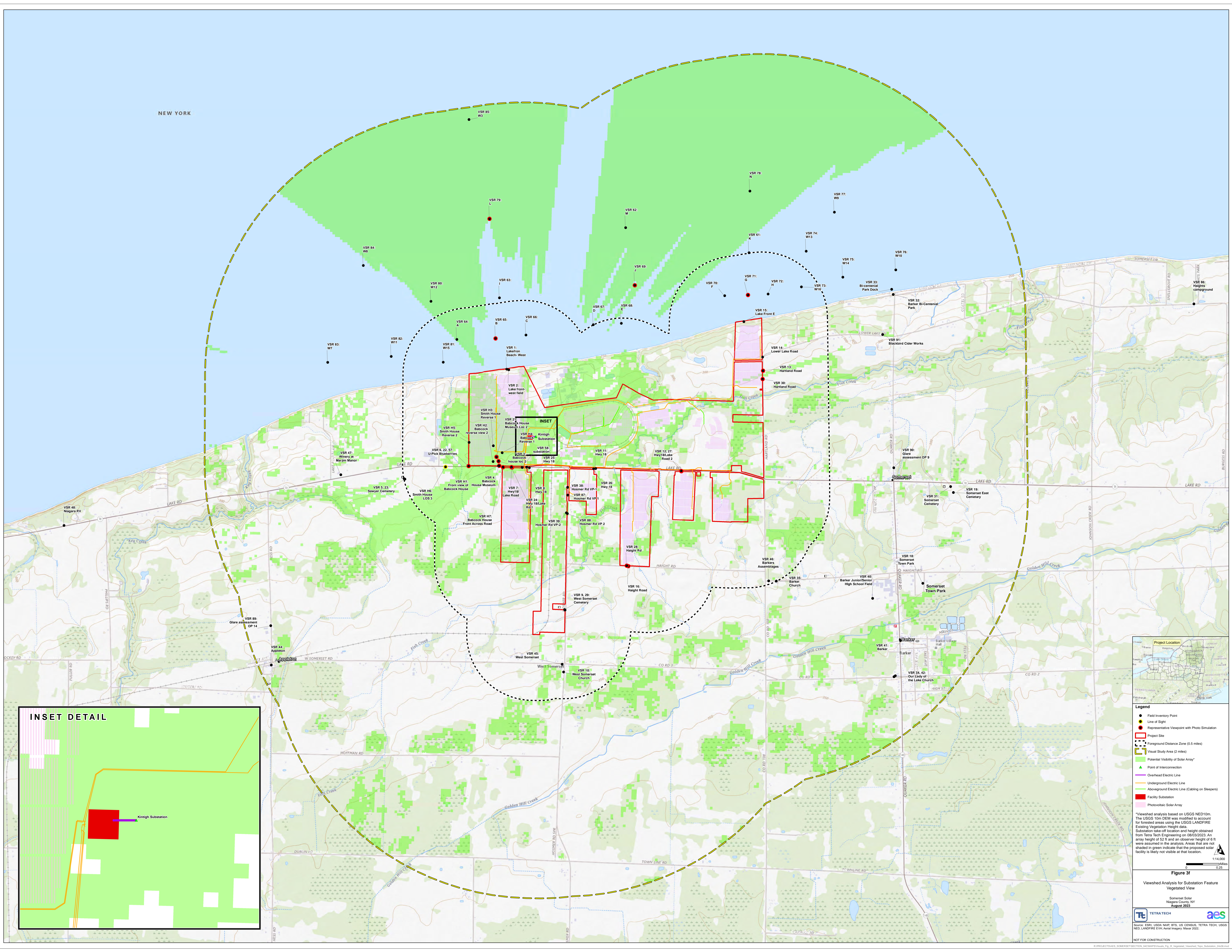
Viewshed Analysis for Solar Arrays  
 Vegetated View  
 Map 4 of 4  
 Somerset Solar  
 Niagara County, NY  
 August 2023



Source: ESRI, USDA NAIP, BTS, US CENSUS, TETRA TECH, USGS NED, LANDFIRE EVH



NEW YORK

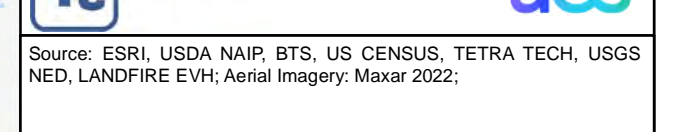


- Legend**
- Field Inventory Point
  - Line of Sight
  - Representative Viewpoint with Photo Simulation
  - ▭ Project Site
  - ▭ Foreground Distance Zone (0.5 miles)
  - ▭ Visual Study Area (2 miles)
  - ▭ Potential Visibility of Solar Array\*
  - ▲ Point of Interconnection
  - Overhead Electric Line
  - Underground Electric Line
  - Aboveground Electric Line (Cabling on Sleepers)
  - Facility Substation
  - Photovoltaic Solar Array

\*Viewshed analysis based on USGS NED 10m. The USGS 10m DEM was modified to account for forested areas using the USGS LANDFIRE Existing Vegetation Height data. Substation take-off location and height obtained from Tetra Tech Engineering on 08/03/2023. An array height of 52 ft and an observer height of 6 ft were assumed in the analysis. Areas that are not shaded in green indicate that the proposed solar facility is likely not visible at that location.

**Figure 3f**  
Viewshed Analysis for Substation Feature Vegetated View

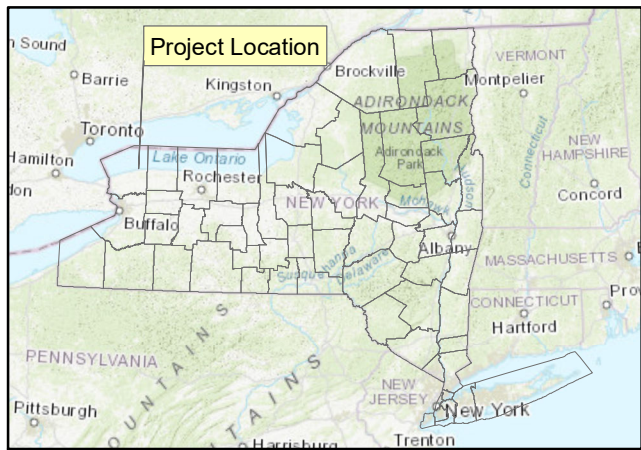
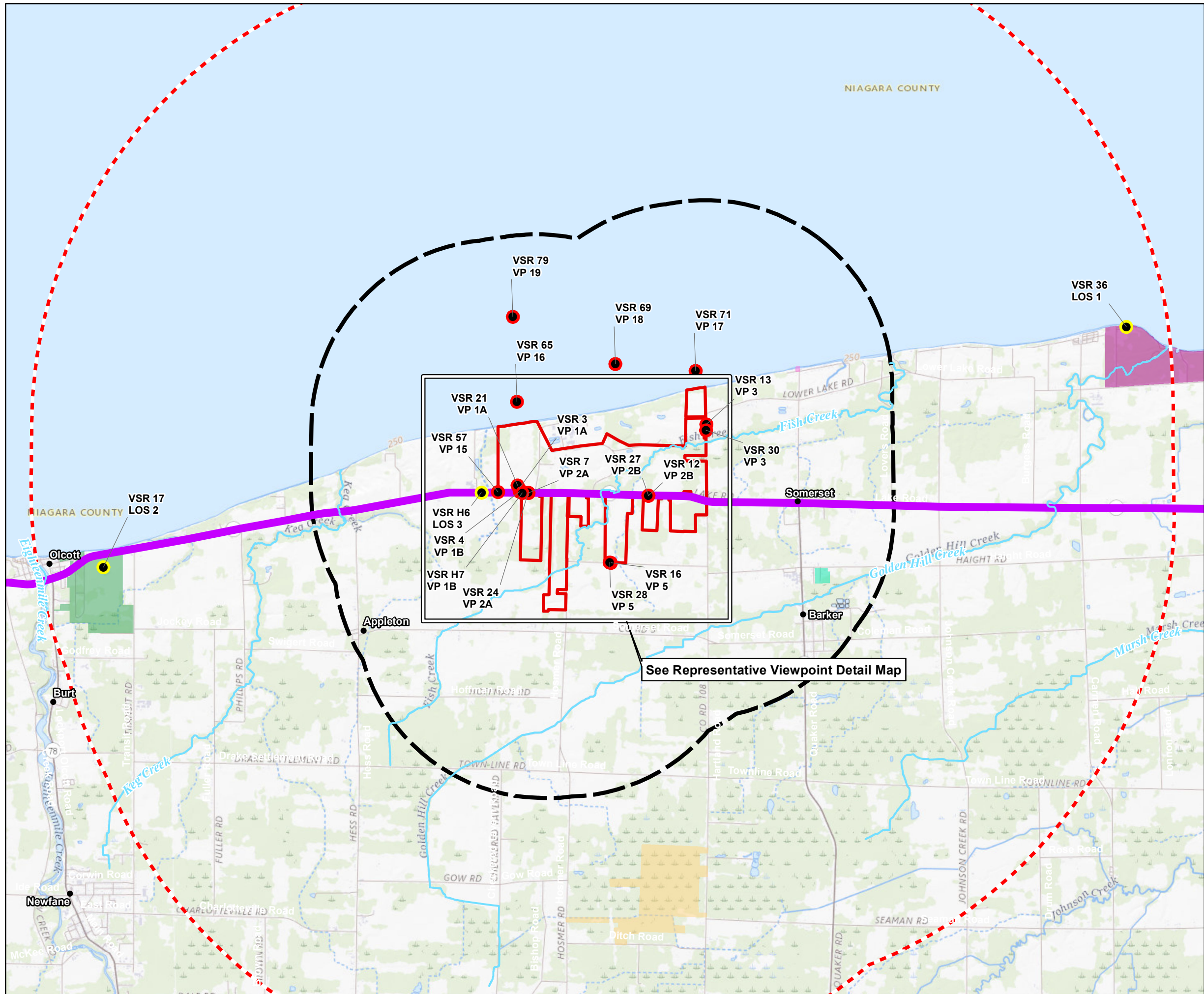
Somerset Solar  
Niagara County, NY  
August 2023



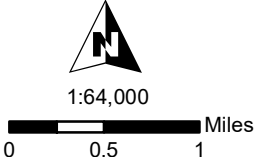
Source: ESRI, USDA NAD 83, US Census, Tetra Tech, USGS NED, LANDFIRE E-1H, Aerial Imagery, Maxar 2022.

NOT FOR CONSTRUCTION





- Legend**
- Line of Sight
  - Representative Viewpoint with Photo Simulation
  - Project Site
  - Visual Study Area (2 miles)
  - Visual Inventory Area (5 miles)
  - Stream/River
  - Great Lakes Seaway Trail Scenic Byway
  - Golden Hill State Park
  - Niagara County Krull Park
  - Wetlands Reserve Program (WRP)
  - Hartland Swamp WMA
  - Keg Creek Local Conservation Easement
  - Somerset Town Park
  - Barker Bi-Centennial Park



**Figure 4a**  
Identified Representative Viewpoints

Somerset Solar  
Niagara County, NY  
August 2023

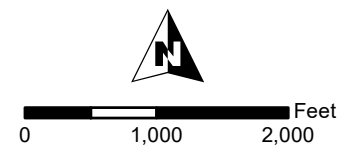
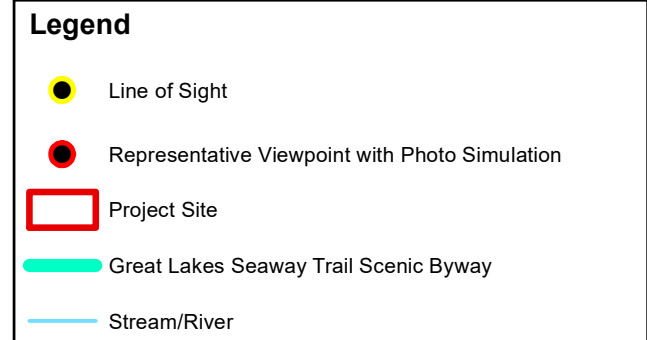
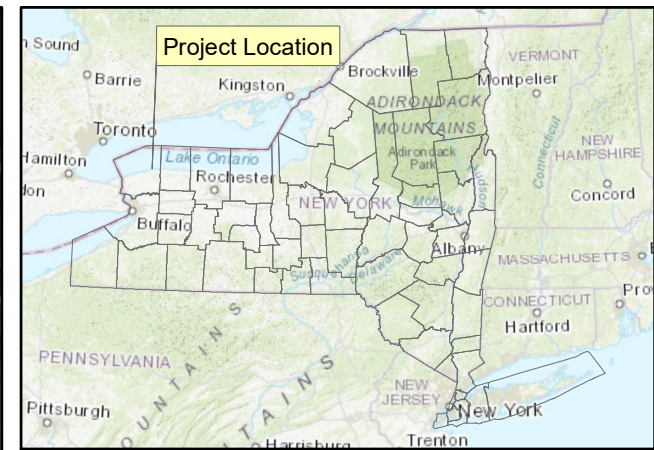
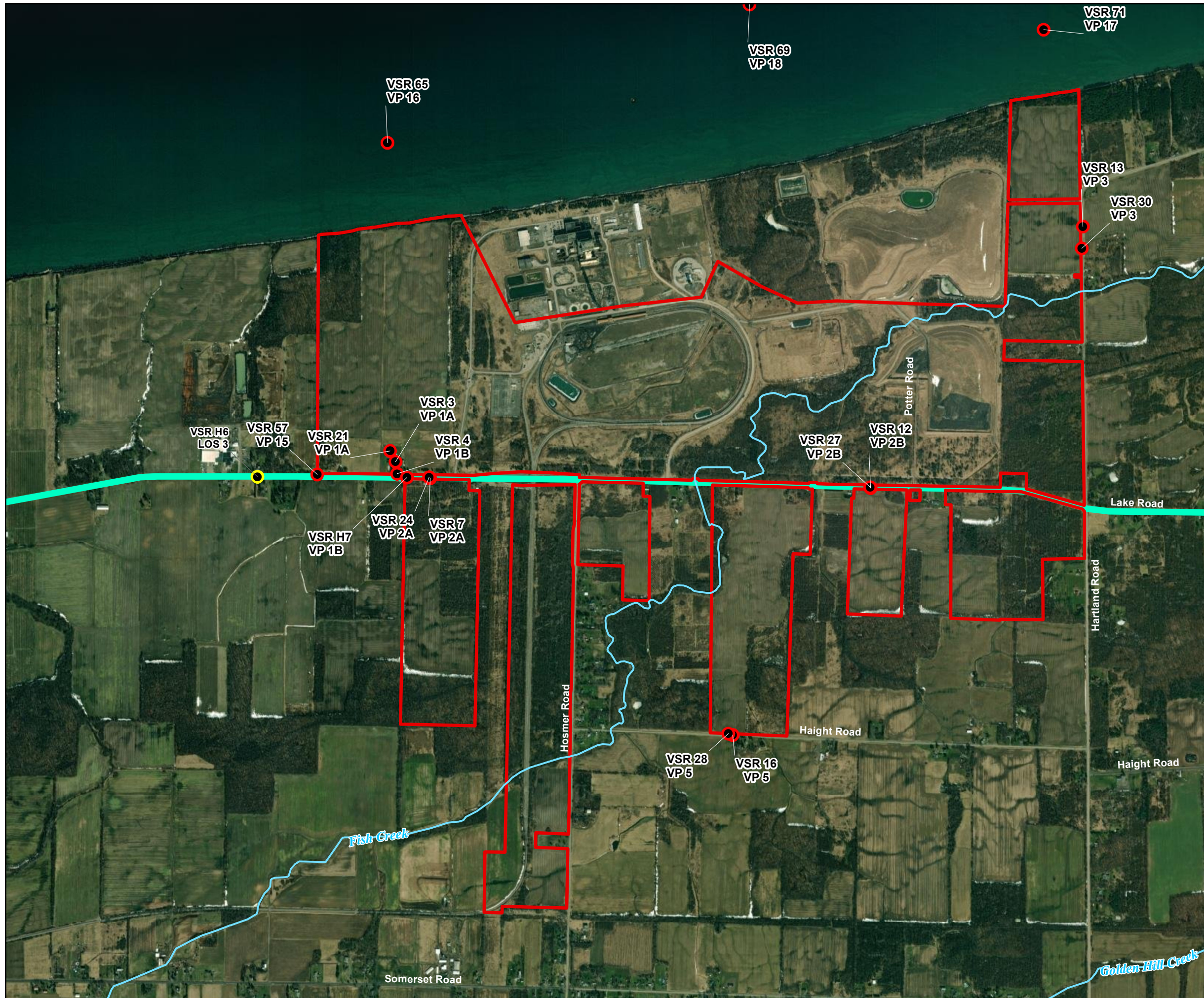


TETRA TECH



Source: ESRI, USDA NAIP, BTS, US CENSUS, NYSGIS, USGS PAD-US 2.1, NSD, NYSDEC, HIFLD, NHD, GOOGLE EARTH PRO, NRHP, NSBP



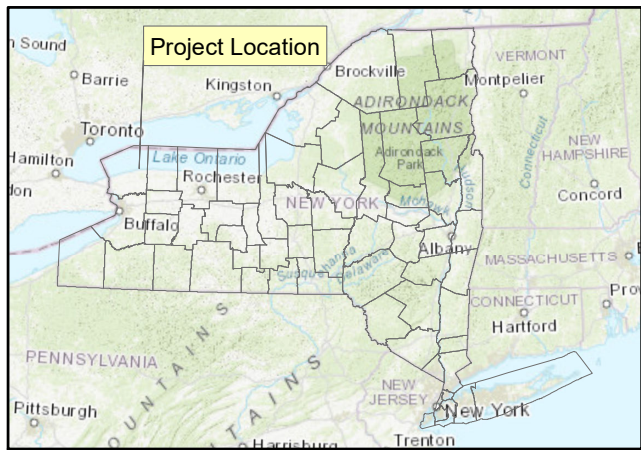


**Figure 4b**  
 Identified Representative Viewpoint - Detail  
 Somerset Solar  
 Niagara County, NY  
 August 2023



Source: ESRI, USDA NAIP, BTS, US CENSUS, NYSGIS, USGS PAD-US 2.1, NSD, NYSDEC, HIFLD, NHD, GOOGLE EARTH PRO, NRHP, NSBP



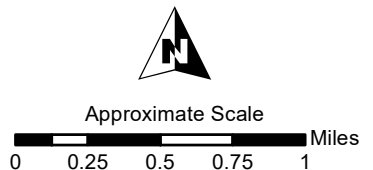


**Legend**

- Project Site Boundary
- Foreground Distance Zone (0.5 miles)
- Middleground to Background Distance Zone (2 miles)
- Municipal Boundary

**Landscape Similarity Zones**

- Agriculture
- Developed / Transportation Corridors
- Forest
- Industrial
- Open Water
- Wetland



**Figure 5**  
Landscape Similarity Zones

Somerset Solar  
Niagara County, NY  
January 2023



Source: Esri, et al., 2022; NYS GIS Civil Boundaries, Sept 2021, USGS NLCD 2019

NOT FOR CONSTRUCTION