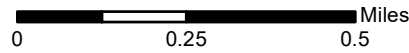


1:18,000



**Figure 13-1**

**Active Groundwater Monitoring Wells and Soils Boring Data**

Somerset Solar  
Niagara County, NY  
March 2023

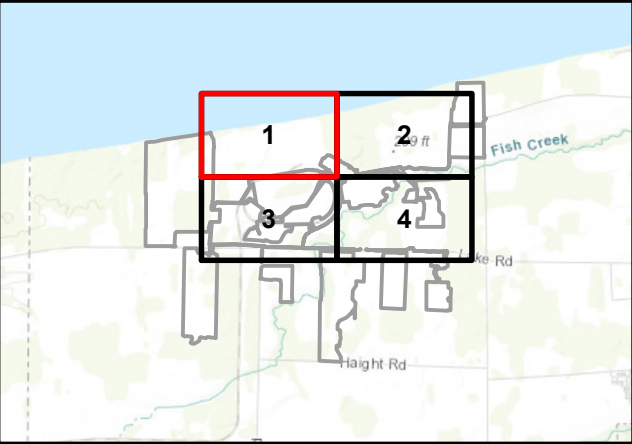
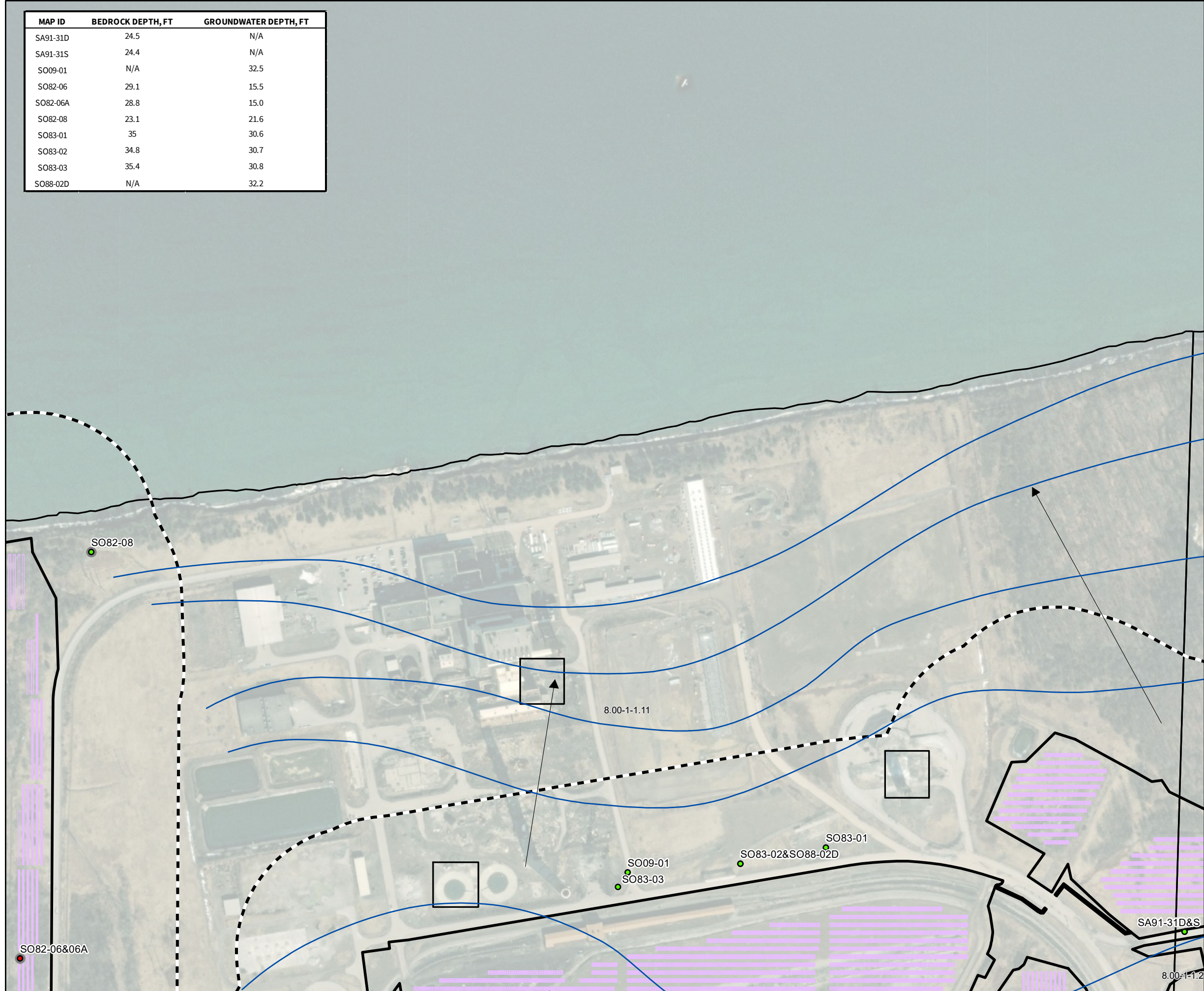


TETRA TECH



Source: USGS The National Map, 2023; Niagara County Real Property Tax Services; Somerset Operating Company Monitoring Well Construction Summary, Year 2021 Annual Groundwater/Surface Water Quality Monitoring Report and Solid Waste Operating Report, GEI Consultants 2022

MAP ID	BEDROCK DEPTH, FT	GROUNDWATER DEPTH, FT
SA91-31D	24.5	N/A
SA91-31S	24.4	N/A
SO09-01	N/A	32.5
SO82-06	29.1	15.5
SO82-06A	28.8	15.0
SO82-08	23.1	21.6
SO83-01	35	30.6
SO83-02	34.8	30.7
SO83-03	35.4	30.8
SO88-02D	N/A	32.2



**Legend**

- Facility Site
- Facility Site 500ft offset
- Project Parcel
- Photovoltaic Solar Array
- Water Level Monitoring Well within the LOD
- Groundwater Monitoring Well Within the LOD Buffer
- Water Level Monitoring Well Within the LOD Buffer
- Groundwater Contour
- Groundwater Flow Arrow



**Figure 13-1**

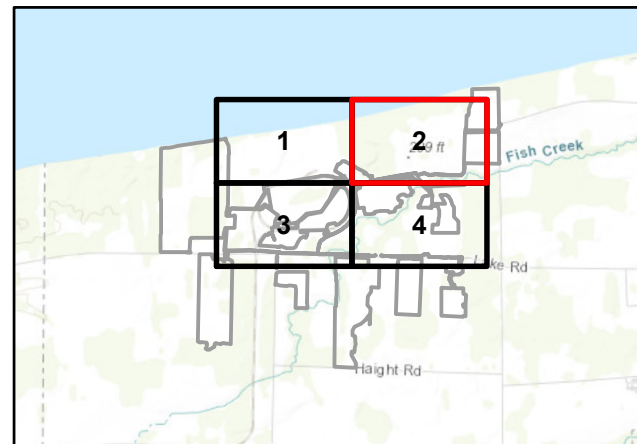
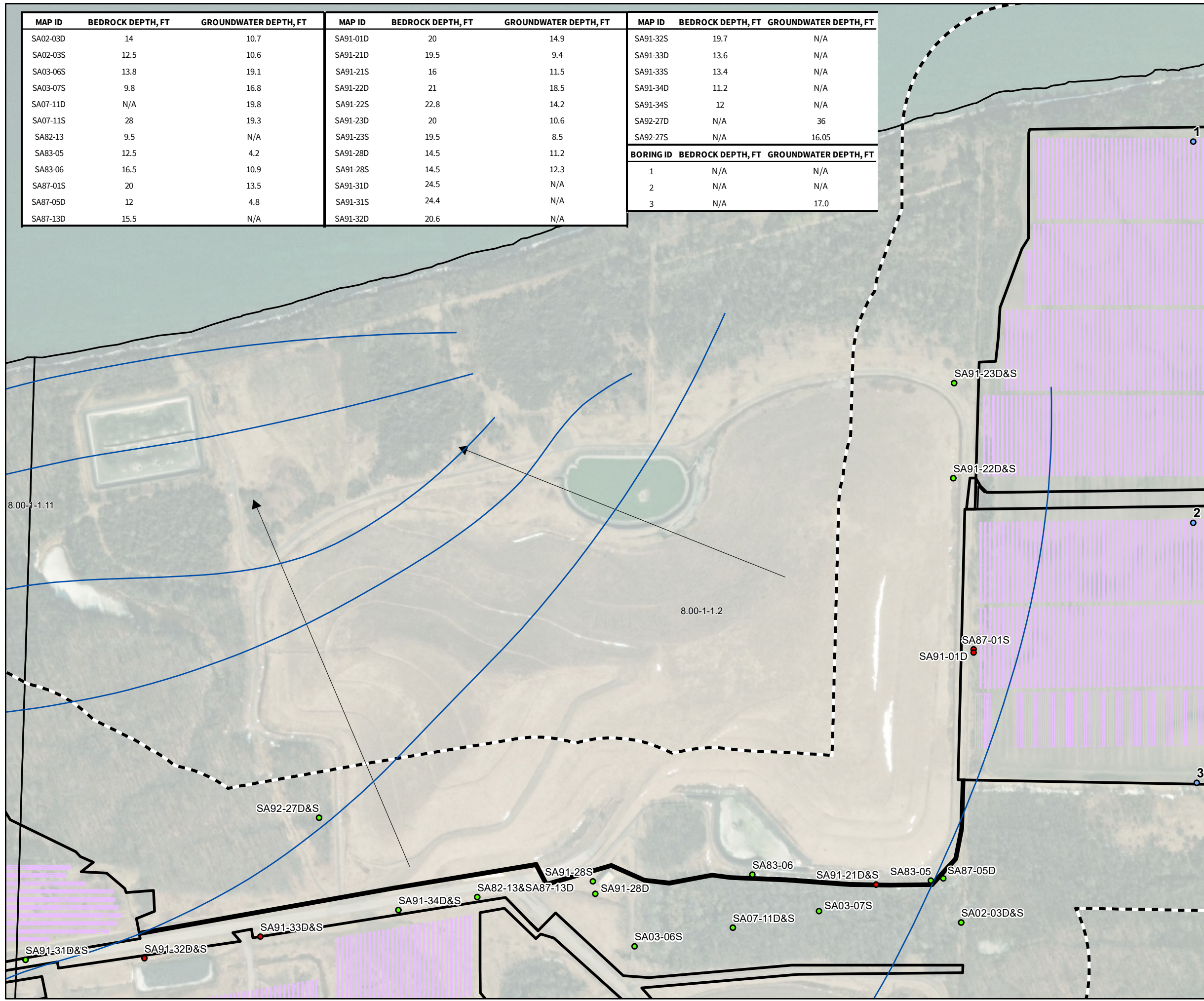
Active Groundwater Monitoring Wells  
and Soils Boring Data  
Map 1 of 4  
Somerset Solar  
Niagara County, NY  
March 2023



Source: USGS The National Map, 2023; Niagara County Real Property Tax Services; Somerset Operating Company Monitoring Well Construction Summary, Year 2021 Annual Groundwater/Surface Water Quality Monitoring Report and Solid Waste Operating Report, GEI Consultants 2022

NOT FOR CONSTRUCTION

MAP ID	BEDROCK DEPTH, FT	GROUNDWATER DEPTH, FT	MAP ID	BEDROCK DEPTH, FT	GROUNDWATER DEPTH, FT	MAP ID	BEDROCK DEPTH, FT	GROUNDWATER DEPTH, FT
SA02-03D	14	10.7	SA91-01D	20	14.9	SA91-32S	19.7	N/A
SA02-03S	12.5	10.6	SA91-21D	19.5	9.4	SA91-33D	13.6	N/A
SA03-06S	13.8	19.1	SA91-21S	16	11.5	SA91-33S	13.4	N/A
SA03-07S	9.8	16.8	SA91-22D	21	18.5	SA91-34D	11.2	N/A
SA07-11D	N/A	19.8	SA91-22S	22.8	14.2	SA91-34S	12	N/A
SA07-11S	28	19.3	SA91-23D	20	10.6	SA92-27D	N/A	36
SA82-13	9.5	N/A	SA91-23S	19.5	8.5	SA92-27S	N/A	16.05
SA83-05	12.5	4.2	SA91-28D	14.5	11.2	<b>BORING ID BEDROCK DEPTH, FT GROUNDWATER DEPTH, FT</b>		
SA83-06	16.5	10.9	SA91-28S	14.5	12.3	1	N/A	N/A
SA87-01S	20	13.5	SA91-31D	24.5	N/A	2	N/A	N/A
SA87-05D	12	4.8	SA91-31S	24.4	N/A	3	N/A	17.0
SA87-13D	15.5	N/A	SA91-32D	20.6	N/A			



**Legend**

- Facility Site
- Facility Site 500ft offset
- Project Parcel
- Photovoltaic Solar Array
- Groundwater Monitoring Well within the LOD
- Groundwater Monitoring Well Within the LOD Buffer
- Geotechnical Investigation Soil Boring
- Groundwater Contour
- Groundwater Flow



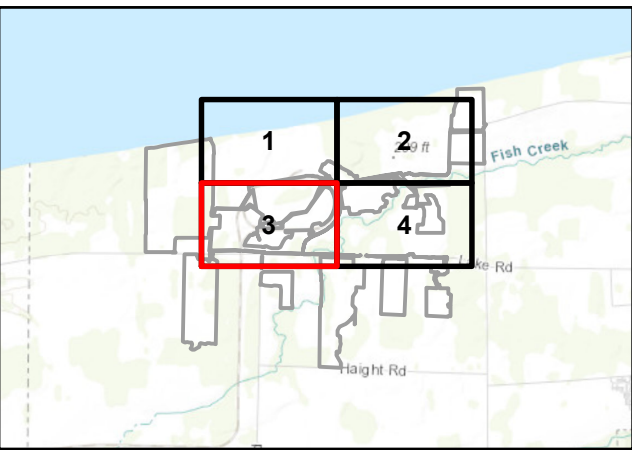
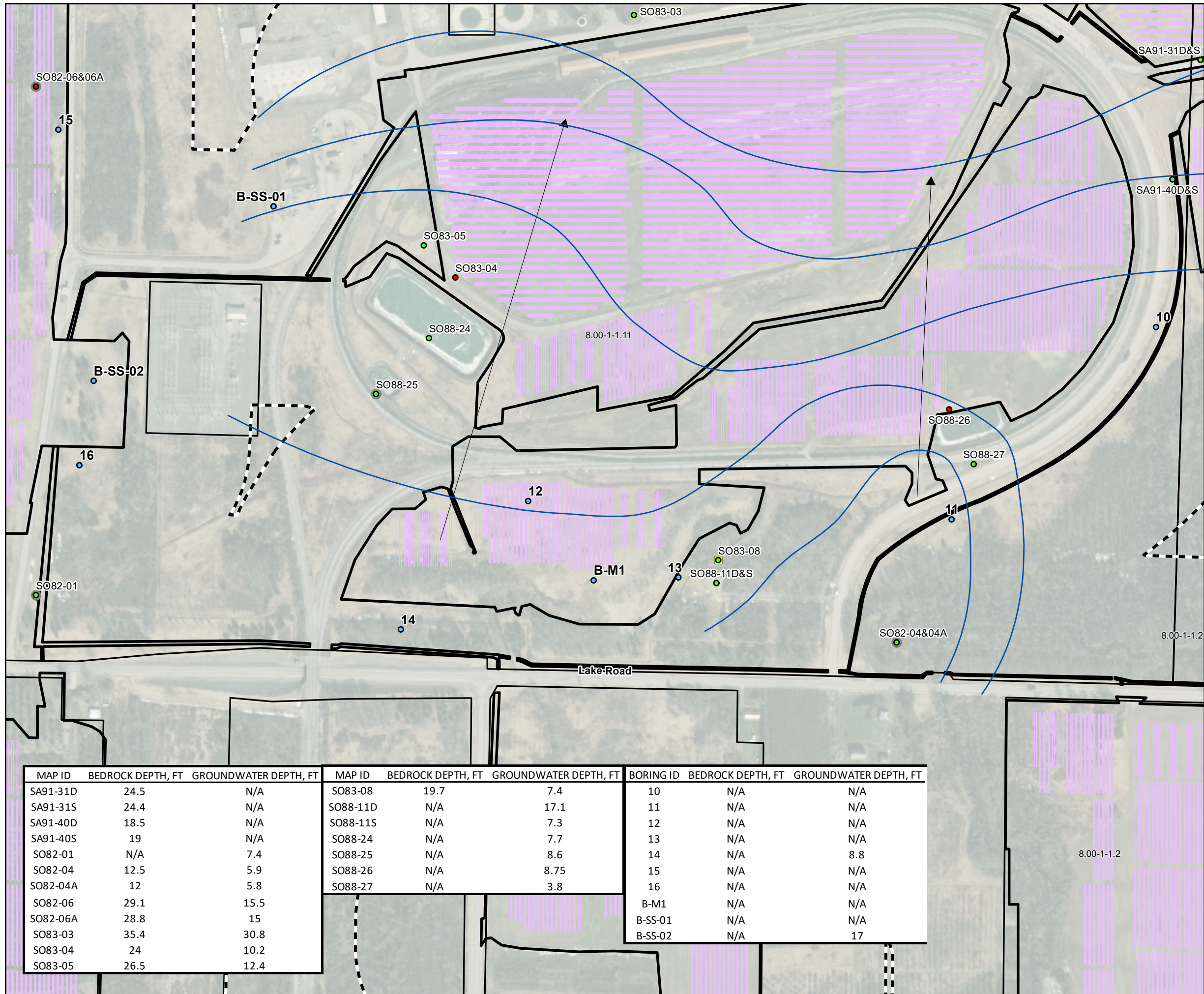
**Figure 13-1**

Active Groundwater Monitoring Wells  
and Soils Boring Data  
Map 2 of 4  
Somerset Solar  
Niagara County, NY  
March 2023



Source: USGS The National Map, 2023; Niagara County Real Property Tax Services; Somerset Operating Company Monitoring Well Construction Summary, Year 2021 Annual Groundwater/Surface Water Quality Monitoring Report and Solid Waste Operating Report, GEI Consultants 2022

NOT FOR CONSTRUCTION



- Legend**
- Facility Site
  - Facility Site 500ft offset
  - Project Parcel
  - Photovoltaic Solar
  - Groundwater Monitoring Well within the LOD
  - Water Level Monitoring Well within the LOD
  - Groundwater Monitoring Well Within the LOD Buffer
  - Water Level Monitoring Well Within the LOD Buffer
  - Groundwater Monitoring Well Identified During Magnetometer Survey
  - Geotechnical Investigation Soil Boring
  - Groundwater Contour
  - Groundwater Flow



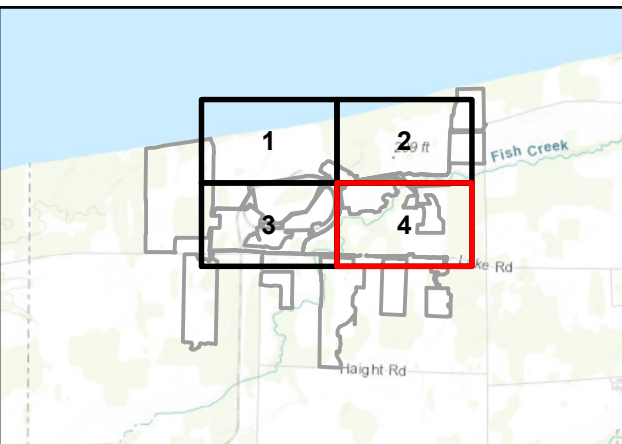
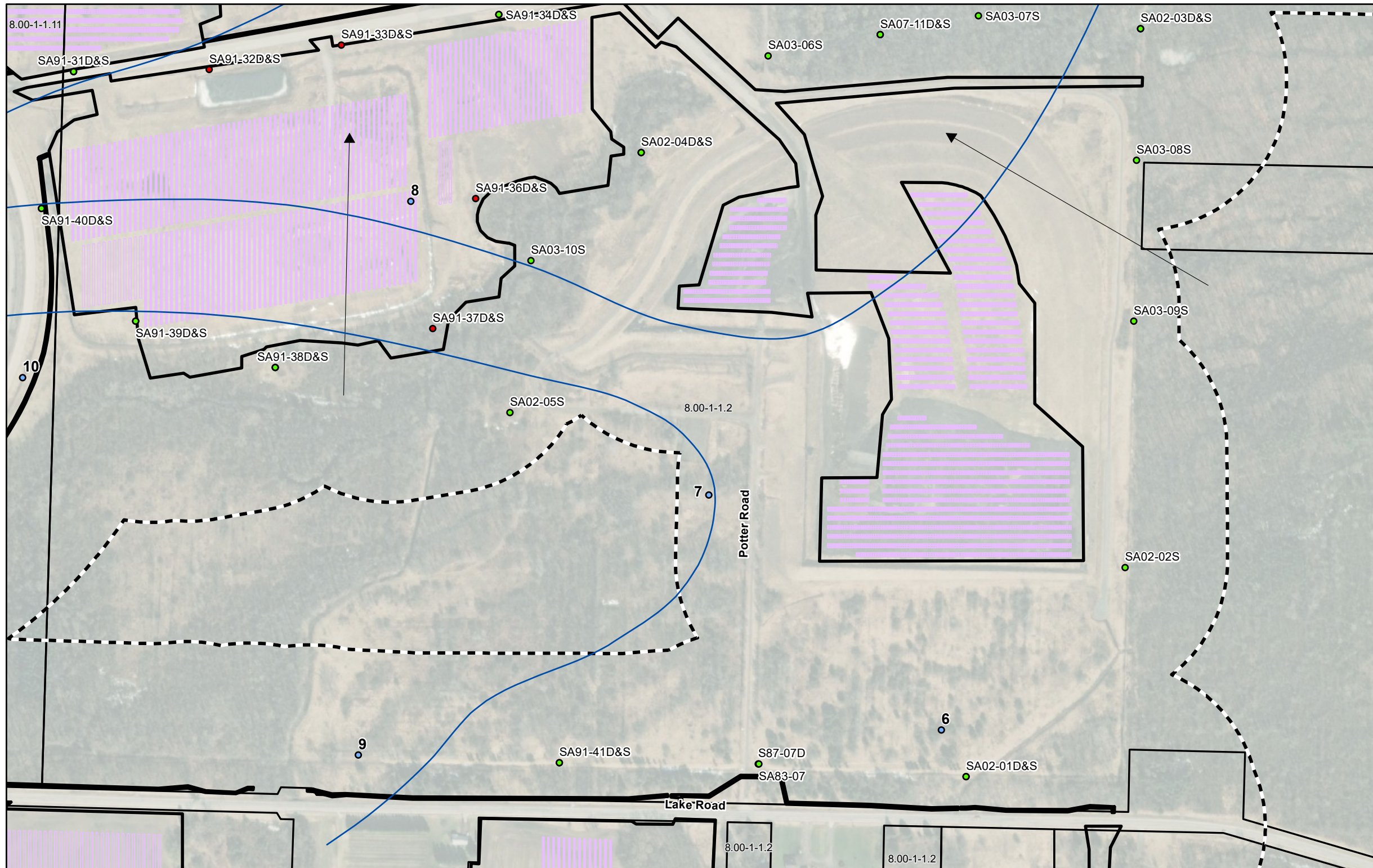
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SA91-31D	24.5	N/A	SO83-08	19.7	7.4	10	N/A	N/A
SA91-31S	24.4	N/A	SO88-11D	N/A	17.1	11	N/A	N/A
SA91-40D	18.5	N/A	SO88-11S	N/A	7.3	12	N/A	N/A
SA91-40S	19	N/A	SO88-24	N/A	7.7	13	N/A	N/A
SO82-01	N/A	7.4	SO88-25	N/A	8.6	14	N/A	8.8
SO82-04	12.5	5.9	SO88-26	N/A	8.75	15	N/A	N/A
SO82-04A	12	5.8	SO88-27	N/A	3.8	16	N/A	N/A
SO82-06	29.1	15.5				B-M1	N/A	N/A
SO82-06A	28.8	15				B-SS-01	N/A	N/A
SO83-03	35.4	30.8				B-SS-02	N/A	17
SO83-04	24	10.2						
SO83-05	26.5	12.4						

**Figure 13-1**

Active Groundwater Monitoring Wells  
and Soils Boring Data  
Map 3 of 4  
Somerset Solar  
Niagara County, NY  
March 2023



Source: USGS The National Map, 2023; Niagara County Real Property Tax Services; Somerset Operating Company Monitoring Well Construction Summary, Year 2021 Annual Groundwater/Surface Water Quality Monitoring Report and Solid Waste Operating Report, GEI Consultants 2022



**Legend**

- Facility Site
- Facility Site 500ft offset
- Project Parcel
- Photovoltaic Solar
- Groundwater Monitoring Well within the
- Groundwater Monitoring Well Within the LOD
- Geotechnical Investigation Soil Boring
- Groundwater Contour
- Groundwater Flow

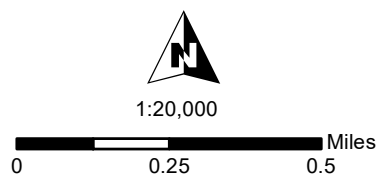
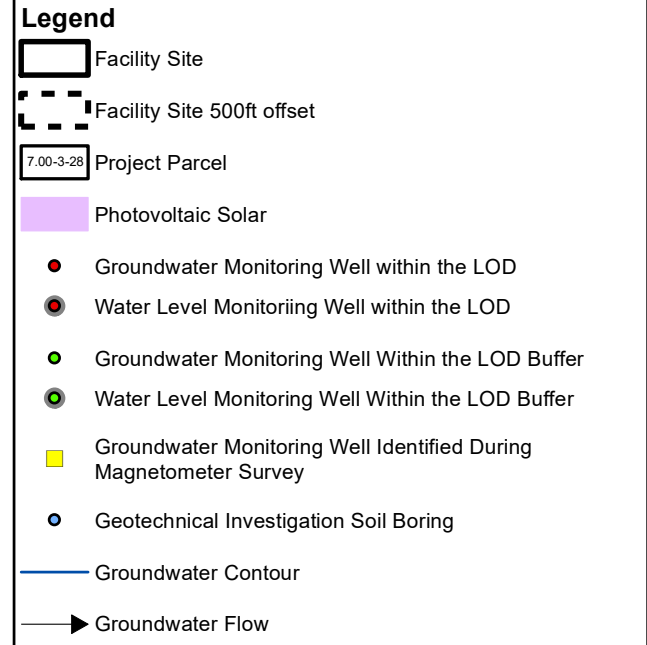
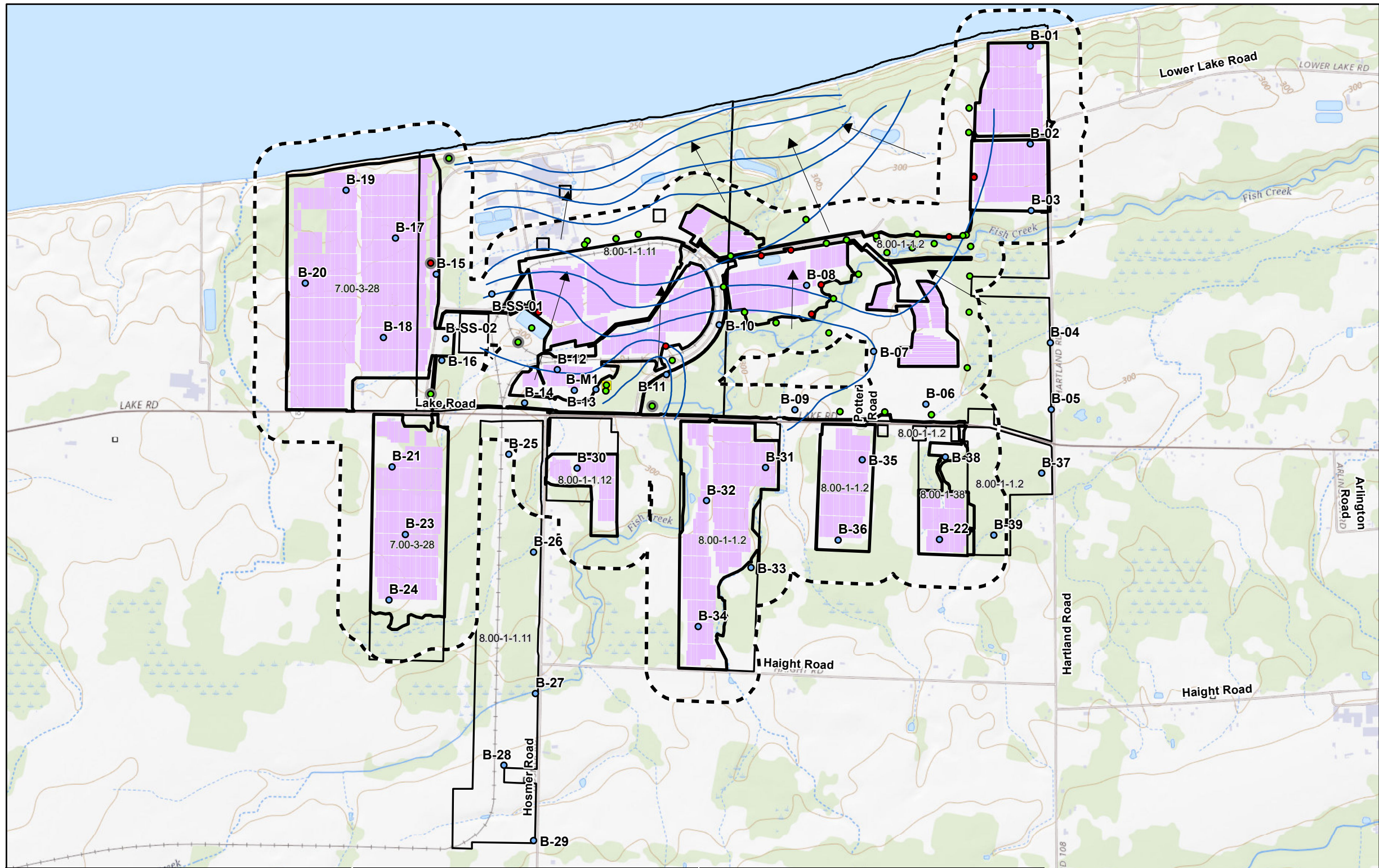


MAP ID	BEDROCK DEPTH, FT	GROUNDWATER DEPTH, FT	MAP ID	BEDROCK DEPTH, FT	GROUNDWATER DEPTH, FT	MAP ID	BEDROCK DEPTH, FT	GROUNDWATER DEPTH, FT	BORING ID	BEDROCK DEPTH, FT	GROUNDWATER DEPTH, FT
SA02-01D	16.5	14.1	SA03-10S	15.5	11.5	SA91-34S	12	N/A	6	N/A	N/A
SA02-01S	17	9.4	SA07-11D	N/A	19.8	SA91-36D	12	N/A	7	N/A	N/A
SA02-02S	13.5	10.6	SA07-11S	28	19.3	SA91-36S	12	N/A	8	N/A	N/A
SA02-03D	14	10.7	S87-07D	N/A	N/A	SA91-37D	14.7	N/A	9	N/A	N/A
SA02-03S	12.5	10.6	SA83-07	N/A	N/A	SA91-37S	14.5	N/A	10	N/A	N/A
SA02-04D	14	10.3	SA91-31D	24.5	N/A	SA91-38D	17.1	N/A			
SA02-04S	13	9.6	SA91-31S	24.4	N/A	SA91-38S	15.5	N/A			
SA02-05S	14.5	7.8	SA91-32D	20.6	N/A	SA91-39D	20.5	N/A			
SA03-06S	13.8	19.1	SA91-32S	19.7	N/A	SA91-39S	20	N/A			
SA03-07S	9.8	16.8	SA91-33D	13.6	N/A	SA91-40D	18.5	N/A			
SA03-08S	11.7	15.7	SA91-33S	13.4	N/A	SA91-40S	19	N/A			
SA03-09S	14.5	14.2	SA91-34D	11.2	N/A	SA91-41D	18.5	7.6			
						SA91-41S	14.5	6.8			

**Figure 13-1**  
 Active Groundwater Monitoring Wells  
 and Soils Boring Data  
 Map 4 of 4  
 Somerset Solar  
 Niagara County, NY  
 March 2023



Source: USGS The National Map, 2023; Niagara County Real Property Tax Services; Somerset Operating Company Monitoring Well Construction Summary, Year 2021 Annual Groundwater/Surface Water Quality Monitoring Report and Solid Waste Operating Report, GEI Consultants 2022



BORING ID	BEDROCK DEPTH, FT	GROUNDWATER DEPTH, FT	BORING ID	BEDROCK DEPTH, FT	GROUNDWATER DEPTH, FT	BORING ID	BEDROCK DEPTH, FT	GROUNDWATER DEPTH, FT	BORING ID	BEDROCK DEPTH, FT	GROUNDWATER DEPTH, FT
B-01	N/A	N/A	B-13	N/A	N/A	B-25	14.0	N/A	B-37	N/A	N/A
B-02	N/A	N/A	B-14	N/A	8.8 & 19	B-26	N/A	3.0	B-38	N/A	N/A
B-03	N/A	17.0	B-15	N/A	N/A	B-27	N/A	10.5	B-39	17	N/A
B-04	14.6	12.2 & 14	B-16	N/A	N/A	B-28	N/A	N/A	B-M1	N/A	N/A
B-05	N/A	N/A	B-17	N/A	N/A	B-29	10.5	10.5	B-SS-1	N/A	N/A
B-06	N/A	N/A	B-18	N/A	N/A	B-30	N/A	N/A	B-SS2	N/A	17
B-07	N/A	N/A	B-19	N/A	N/A	B-31	10.7	N/A			
B-08	N/A	N/A	B-20	N/A	N/A	B-32	14.8	N/A			
B-09	N/A	N/A	B-21	N/A	N/A	B-33	N/A	N/A			
B-10	N/A	N/A	B-22	N/A	N/A	B-34	N/A	8 & 20			
B-11	N/A	N/A	B-23	N/A	N/A	B-35	N/A	8 & 18			
B-12	N/A	N/A	B-24	N/A	N/A	B-36	N/A	N/A			

**Figure 13-1**  
Soils Borings Overview

Active Groundwater Monitoring Wells  
and Soils Boring Data

Somerset Solar  
Niagara County, NY  
March 2023



Source: USGS The National Map, 2023; Niagara County Real Property Tax Services; Somerset Operating Company Monitoring Well Construction Summary, Year 2021 Annual Groundwater/Surface Water Quality Monitoring Report and Solid Waste Operating Report, GEI Consultants 2022