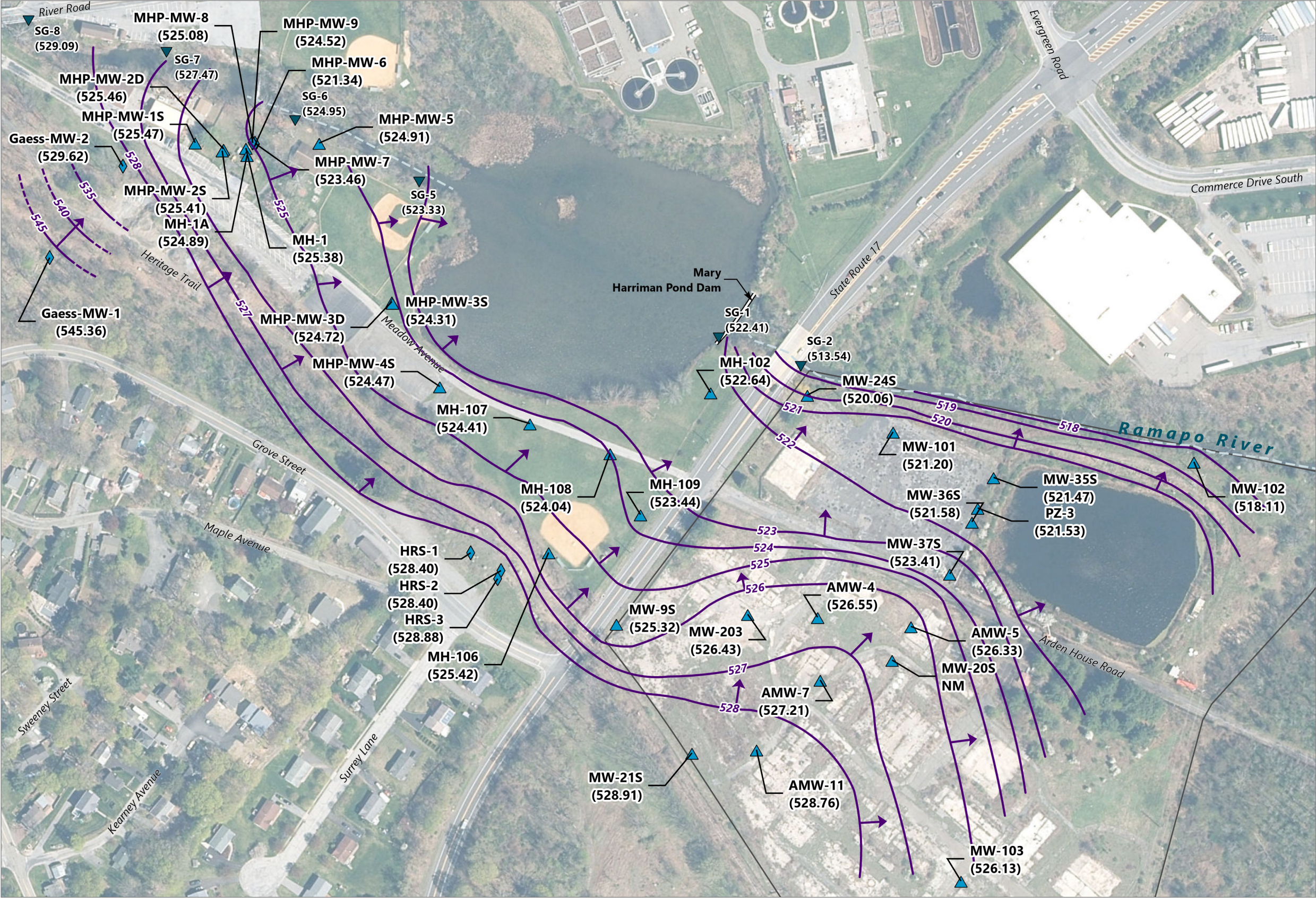




LEGEND:

- Staff Gauge
- Streams
- Site Boundary
- Dam
- Aquifer Groundwater Elevation Contours (feet NAVD88)
- Inferred Aquifer Groundwater Elevation Contour
- Groundwater Flow Direction per April 2025 Monitoring Event

Monitoring Well Location

Water Bearing Unit

- Aquifer
- Unknown

- NOTES:**
1. Aerial imagery from Esri Online Services collected March 23, 2021.
 2. Streams from National Hydrography Dataset (NHD).
 3. Groundwater elevations based on depth to water measurements recorded April 15 and 16, 2025.
 4. (525.38): indicates measured groundwater elevation in feet North American Vertical Datum, 1988 (NAVD88).
 5. MHP-MW-6, MHP-MW-7, and MHP-MW-9 are presumed to be screened within the overburden aquifer.
 6. Water levels were also collected for gauges Staff Gauge-1 and SG-3. These locations are outside the bounds of this map and the data were not used for the creation of groundwater contours.

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Filepath: \\gstfile01\gis\Jobs\Nepera_3099\Maps\GroundwaterMonitoring\GroundwaterElevations\2025\Nepera_GWElevs_2025.aprx | AQ_Nepera_Fig2_GWElevations_April2025_Overburden



Figure 2
Overburden Aquifer Groundwater Elevation Contours (April 2025)
Former Nepera Plant Site, Harriman, New York

Water Level Data - Former Nepera Plant Site and Surrounding Properties
April 2025

Location ID	Water Bearing Unit	Easting	Northing	Top of Casing/ Measuring Point	Depth to Water (feet)	Groundwater Elevation	Barometric Pressure (in Hg)	Date Gauged
AMW-1	Aquitard	590077.00	902104.00	530.29	6.10	524.19	29.42	4/16/2025
AMW-2	Aquitard	590182.72	902257.46	528.63	6.41	522.22	29.65	4/17/2025
AMW-3	Aquitard	590065.00	901912.00	532.24	6.24	526.00	29.42	4/16/2025
AMW-4	Aquifer	590273.00	901887.00	531.30	4.75	526.55	29.65	4/17/2025
AMW-5	Aquifer	590456.00	901869.00	529.80	3.47	526.33	29.42	4/16/2025
AMW-6	Aquitard	590091.00	901784.00	535.91	8.60	527.31	29.42	4/16/2025
AMW-7	Aquifer	590278.00	901764.00	535.05	7.84	527.21	29.42	4/16/2025
AMW-11	Aquifer	590153.00	901627.00	540.96	12.20	528.76	29.42	4/16/2025
MH-1	Aquifer	589151.00	902808.00	533.33	7.95	525.38	29.08	4/15/2025
MH-1A*	Aquifer	589153.32	902793.93	534.31	9.42	524.89	29.42	4/16/2025
MH-3R*	Bedrock	589170.32	902783.87	533.01	4.35	528.66	29.08	4/15/2025
MH-101	Aquitard	589848.00	901986.00	530.01	6.14	523.87	29.42	4/16/2025
MH-102	Aquifer	590063.00	902328.00	524.58	1.94	522.64	29.42	4/16/2025
MH-103D	Bedrock	589956.00	902209.00	526.50	3.36	523.14	29.42	4/16/2025
MH-103S	Aquitard	589953.00	902203.00	526.92	3.78	523.14	29.42	4/16/2025
MH-104	Aquitard	589785.00	902235.00	527.00	3.13	523.87	29.42	4/16/2025
MH-105D	Bedrock	589635.00	902138.00	530.15	4.55	525.60	29.08	4/15/2025
MH-105S	Aquitard	589639.00	902135.00	530.18	4.80	525.38	29.08	4/15/2025
MH-106	Aquifer	589745.08	902014.18	532.10	6.68	525.42	29.42	4/16/2025
MH-107	Aquifer	589708.42	902267.09	527.41	3.00	524.41	29.42	4/16/2025
MH-108	Aquifer	589865.70	902208.55	527.66	3.62	524.04	29.42	4/16/2025
MH-109	Aquifer	589925.33	902088.51	528.11	4.67	523.44	29.42	4/16/2025
MHP-MW-1S*	Aquifer	589051.48	902818.37	536.19	10.72	525.47	29.08	4/15/2025
MHP-MW-2D*	Aquifer	589107.14	902806.15	533.63	8.17	525.46	29.08	4/15/2025
MHP-MW-2S*	Aquifer	589104.60	902802.83	533.56	8.15	525.41	29.08	4/15/2025
MHP-MW-3D*	Aquifer	589437.43	902506.59	527.64	2.92	524.72	29.08	4/15/2025
MHP-MW-3S*	Aquifer	589438.73	902503.87	528.08	3.77	524.31	29.08	4/15/2025
MHP-MW-4S*	Aquifer	589531.47	902339.91	528.49	4.02	524.47	29.08	4/15/2025
MHP-MW-5*	Aquifer	589294.79	902817.77	529.32	4.41	524.91	29.08	4/15/2025
MHP-MW-6*	Unknown	589169.82	902815.75	531.18	9.84	521.34	29.08	4/15/2025
MHP-MW-7*	Unknown	589168.86	902817.32	530.92	7.46	523.46	29.08	4/15/2025
MHP-MW-8*	Unknown	589164.67	902817.92	530.94	5.86	525.08	29.08	4/15/2025
MHP-MW-9*	Unknown	589163.44	902818.78	531.54	7.02	524.52	29.08	4/15/2025
MW-9S	Aquifer	589878.03	901873.96	529.61	4.29	525.32	29.42	4/16/2025
MW-10D	Bedrock	589878.11	901870.94	530.57	4.35	526.22	29.42	4/16/2025
MW-18D	Bedrock	590705.80	901344.12	533.35	8.52	524.83	29.42	4/16/2025
MW-20DR	Bedrock	590403.24	901809.81	528.55	NM	N/A	29.42	4/16/2025
MW-20S	Aquifer	590418.99	901802.98	528.43	NM	N/A	29.42	4/16/2025
MW-21D	Bedrock	590022.07	901626.48	544.55	18.62	525.93	29.42	4/16/2025
MW-21S	Aquifer	590026.27	901620.68	544.43	15.52	528.91	29.42	4/16/2025
MW-23D	Bedrock	590687.84	902350.26	523.34	3.61	519.73	29.65	4/17/2025

Water Level Data - Former Nepera Plant Site and Surrounding Properties
April 2025

Location ID	Water Bearing Unit	Easting	Northing	Top of Casing/ Measuring Point	Depth to Water (feet)	Groundwater Elevation	Barometric Pressure (in Hg)	Date Gauged
MW-23S	Aquitard	590703.46	902356.89	523.33	2.65	520.68	29.65	4/17/2025
MW-24S	Aquifer	590252.78	902323.23	527.61	7.55	520.06	29.65	4/17/2025
MW-33S	Aquitard	590208.99	901662.78	535.55	2.57	532.98	29.42	4/16/2025
MW-34	Aquitard	590300.41	901675.16	533.79	2.40	531.39	29.42	4/16/2025
MW-35AQ	Aquitard	590620.21	902165.96	524.52	2.89	521.63	29.65	4/17/2025
MW-35S	Aquifer	590618.07	902161.60	524.64	3.17	521.47	29.65	4/17/2025
MW-36AQ	Aquitard	590575.87	902069.33	524.89	2.55	522.34	29.65	4/17/2025
MW-36S	Aquifer	590575.70	902074.19	524.97	3.39	521.58	29.65	4/17/2025
MW-37AQ	Aquitard	590533.51	901974.81	524.66	NM	N/A	29.65	4/17/2025
MW-37S	Aquifer	590532.19	901972.18	524.69	1.28	523.41	29.65	4/17/2025
MW-101	Aquifer	590420.92	902250.90	525.95	4.75	521.20	29.65	4/17/2025
MW-102	Aquifer	591011.30	902192.05	522.61	4.50	518.11	29.65	4/17/2025
MW-103	Aquifer	590554.21	901369.46	533.82	7.69	526.13	29.42	4/16/2025
MW-201	Aquitard	589980.30	901981.50	531.60	6.34	525.26	29.42	4/16/2025
MW-202D	Bedrock	590136.20	902207.40	528.57	6.01	522.56	29.65	4/17/2025
MW-202S	Aquitard	590123.00	902191.20	528.01	6.10	521.91	29.65	4/17/2025
MW-203	Aquifer	590135.70	901893.00	531.91	5.48	526.43	29.42	4/16/2025
PZ-3	Aquifer	590586.95	902101.59	525.25	3.72	521.53	29.65	4/17/2025
Gaess-MW-1*	Unknown	588766.01	902592.90	556.85	11.49	545.36	29.08	4/15/2025
Gaess-MW-2*	Unknown	588909.77	902772.28	544.50	14.88	529.62	29.08	4/15/2025
HRS-1*	Unknown	589592.13	902013.55	549.02	20.62	528.40	29.08	4/15/2025
HRS-2*	Unknown	589651.61	901978.58	548.33	19.93	528.40	29.08	4/15/2025
HRS-3*	Unknown	589645.06	901962.59	546.48	17.60	528.88	29.08	4/15/2025
SG-1	Gauge	590079.00	902434.00	526.02	3.61	522.41	29.65	4/17/2025
SG-2	Gauge	590240.00	902378.00	528.46	14.92	513.54	29.65	4/17/2025
SG-3	Gauge	591911.00	901321.00	523.77	12.32	511.45	29.65	4/17/2025
Staff Gauge-1	Gauge	591938.00	901276.60	514.82	0.74	511.56	29.65	4/17/2025
SG-5*	Gauge	589491.14	902739.79	526.44	3.11	523.33	29.65	4/17/2025
SG-6*	Gauge	589247.87	902860.40	527.34	2.39	524.95	29.65	4/17/2025
SG-7*	Gauge	588995.34	902994.42	531.49	4.02	527.47	29.65	4/17/2025
SG-8*	Gauge	588724.66	903056.39	537.84	8.75	529.09	29.65	4/17/2025

Notes

in HG = inches of mercury

SG = Staff Gauge

* = Staff Gauge Surveyed April 2025

Staff Gauge-1 measured from 4 foot mark on gauge