Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

Joe Branch
Project Manager
Direct Dial (231) 670-6809

7601 Old Channel Trail
Montague, MI 49437

April 30, 2025

Ms. Maeve Wurtz
USEPA Region II
290 Broadway, 20th Floor
New York, New York 10007-1866

Mr. Andrew Zwack
NYSDEC
700 Delaware Avenue
Buffalo, New York 14209

Dear Ms. Wurtz and Mr. Zwack:

Re: Quarterly Operations Report
First Quarter 2025 Hyde Park Remedial Program
Bedrock and Overburden Monitoring Programs
NYSDEC Site No. 932021

In accordance with the July 2006 *"Performance Monitoring Plan"* (Conestoga Rovers & Associates & Services Environmental, Inc., 2006), this letter presents the Quarterly Operations Report for the Hyde Park Remedial Program for the period January 1, 2025 through March 31, 2025. A total of 5.87 million gallons of aqueous phase liquid (APL) was collected, treated, and discharged in compliance with the Site's City of Niagara Falls Publicly Owned Treatment Works Significant Industrial User Wastewater Discharge Permit #49. Five drums (approximately 3,000 pounds) of non-aqueous phase liquid (NAPL) and four drums (approximately 800 pounds) of personal protective equipment (PPE) and debris were shipped for disposal this quarter. The groundwater potentiometric contours during the quarter were consistent with previous interpretations. Flow Zones 6, 7, and 9 have demonstrated dewatered areas between the landfill and the gorge face. The current data continues to support the interpretation of effective hydraulic containment and inward gradients.

The performance monitoring data are presented as follows:

- **Figures 1-9**: Showing the potentiometric surface for the bedrock flow zones and overburden
- **Figure 10**: Showing continuously recorded water levels at flow zone 9 piezometer PMW-1M-09
- **Table 1**: Groundwater elevation summary
- **Tables 2, 3, and 4**: Daily, weekly, and quarterly treatment system effluent monitoring data
- **Attachment A**: Purge well performance graphs indicating daily level and flow information for each pumping well location

The continuously recorded groundwater elevations for the Flow Zone 9 piezometer (PMW-1M-09) for the first quarter 2025 are presented on Figure 10. During the scheduled monthly download of the PMW-1M-09 transducer data in December 2024, it was discovered that the transducer was as not working properly and had stopped providing data on November 27. GSH's onsite operator worked throughout January with the manufacturer's distributor to identify a resolution for the malfunctioning sensor. After removing and cleaning the sensor and remounting it in its cradle properly, the sensor resumed operation and there have been no observed

issues since. When the sensor was inoperable, groundwater elevations were monitored by calculating elevations using manual water level readings collected in early and late December and January, along with the available continuously recorded groundwater elevations, which were less than 526 feet above mean sea level (AMSL) through the entire quarter. The combination of these data points indicated that the FZ-09 outcrop along the New York Power Authority (NYPA) access road was dewatered and unsaturated throughout the entire quarter.

The pumping wells were operational and functioning as designed during the first quarter 2025, however there were some data logging issues that occurred during the quarter. GSH continues to investigate the cause of why the data was not recorded on the GSH servers. To address the gaps in the data for a pumping well location, the flow and elevations from the previous 2 to 5 days before the data gap and the following 2 to 5 days after the data gap were averaged in order to generate a data point for charting. The following is a comprehensive list of the days in which data was not recorded on the server for one or more pumping well locations.

- 1/18/2025
- 1/19/2025
- 1/22/2025
- 1/27/2025
- 1/29/2025
- 2/2/2025
- 2/7/2025
- 2/12/2025
- 2/14/2025
- 2/16/2025
- 2/19/2025
- 2/20/2025
- 2/21/2025
- 2/25/2025
- 2/26/2025
- 2/27/2025
- 3/10/2025
- 3/14/2025
- 3/16/2025
- 3/18/2025
- 3/19/2025
- 3/20/2025
- 3/21/2025
- 3/22/2025
- 3/24/2025
- 3/25/2025
- 3/26/2025
- 3/28/2025
- 3/30/2025
- 3/31/2025

NOTE: Although the data was not recorded, a review of daily operations notes verified that pumps were operational during these dates with the noted exceptions discussed later in the set point exceedances section of this document.

SET POINT EXCEEDANCES

To re-iterate, the pumping wells were operational and functioning as designed during the first quarter 2025, except for the downtime periods outlined below. The pumps are operated to maintain a water level between a typical range of 2.5 feet above (pump on) and 2.5 feet below (pump off) a specific set point in accordance with the set point range defined in the *Operation & Maintenance Manual* (GHD, 2019).

The following section discusses set point exceedances that occurred during the quarterly monitoring period and the associated causes and corrective actions (if necessary).

All Pumping Well Locations

- The set point was exceeded on March 17 at **ALL** pumping well locations due to a faulty actuator valve in the retention tank area. The faulty valve caused a site-wide lockdown of the entire treatment system which resulted in all the pumping wells being shut down. The issue was investigated and corrected the same day. Once the repair was made, the system was restarted and the pumping wells resumed operation and water levels returned to within set point on March 18 for most locations with the exceptions noted below.

Well PW-3L, PW-5UR, PW-7U, PW-8U and PW-2UR

- The water levels at pumping wells PW-3L, PW-5UR, PW-7U, and PW-8U exceeded the set point for the entire quarter (January 1 through March 31) awaiting delivery of a new pump, pump motor, and wiring harness. The water levels at pumping well PW-2UR exceeded set point on February 19 through March 31 due to a pump failure.

- GSH is awaiting delivery of new pumps, pump motors, and wiring harnesses and anticipates completing the installation of the new pump components at all locations in May 2025.

Well APW-1

- The set point was exceeded on January 15, 23, and 28, February 8, 9, 15, and 23, and March 23 due to a variable frequency drive fault. The fault was reset and the water level returned to within setpoint range on January 16, 24, and 29, February 10, 16 and 24, and March 24, respectively.
- The set point was exceeded on February 26 through February 28, March 3, 5, 6, 13, and 15 due to due to snowmelt. Water levels returned to within set point on March 1, 4, 7, 14, and 16, respectively.

Well APW-2

- The set point was exceeded on January 1 through January 3, February 13 and February 27 through March 31 due to snowmelt and rain. Water levels returned to within set point on January 4 and February 14, respectively. As of March 31, the setpoint was still exceeded due to elevated water volumes. The water levels will continue to be monitored to ensure that the pump is operating as expected and water levels return to within set point in April 2025.

Well PW-1L, PW-1U, PW-2L, PW-2M, PW-6UR, PW-9U

- At PW-1L and PW-1U, the set point was exceeded on March 5 through March 7 due to snowmelt and heavy rain. Water levels returned to within set point on March 8.
- At PW-1U, PW-2L and PW-6UR, the set point was exceeded on March 29 due to heavy rain. Water levels returned to within set point on March 30.
- At PW-2M and PW-9U, the set point was exceeded on March 5 through March 31 due to heavy rain and snowmelt. The water levels will continue to be monitored to ensure that the pump is operating as expected and water levels return to within set point in April 2025.

If you have any questions, please feel free to contact me at 231-670-6809 or by email at joseph_branch@oxy.com.

Very truly yours,

GLENN SPRINGS HOLDINGS, INC.

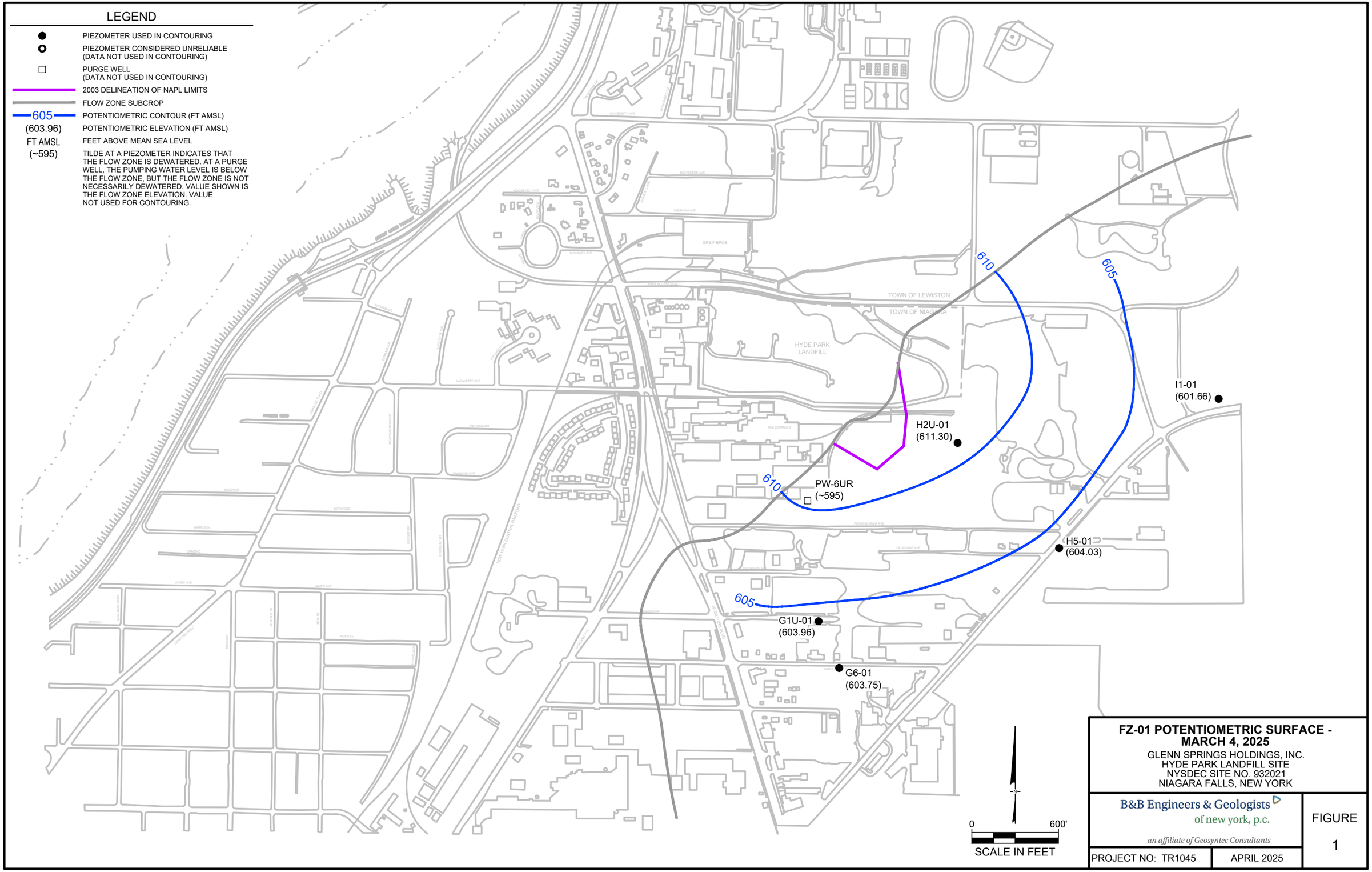
Joseph Branch
Project Manager
231-670-6809 Cell

Encl.

cc: B. McPherson, NYSDEC
C. Babcock, GSH
D. Hoyt, Geosyntec
J. Robinson, NYSDOH
T. Bathory, GSH

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- FLOW ZONE SUBCROP
- 605 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (603.96) FT AMSL (~595) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FEET ABOVE MEAN SEA LEVEL
- TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.



FZ-01 POTENTIOMETRIC SURFACE - MARCH 4, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

PROJECT NO: TR1045 | APRIL 2025 | FIGURE 1

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&MPROJECT FILES\CADD\05_HYDE PARK\RPT27-2025 Q1\DWGS\SHEETS\TR1045.05-RPT27-2025 Q1-FZ-01 - MJerome 4/28/25

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- FLOW ZONE SUBCROP
- 585 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (587.33) FT AMSL (~577) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FEET ABOVE MEAN SEA LEVEL
- TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.

J6-02 (600.90)
J2U-02 (599.77)
J5U-02 (599.69)
I1-02 (591.00)
PW-4U (~577)
PW-5UR (596.50)
H2U-02 (595.45)
F4U-02 (587.33)
PW-6UR (~574)
H5-02 (594.92)
F2U-02 (576.25)
G1-02 (592.29)
G6-02 (592.21)

600 600 595 595 590 590 585 585 580 580

HYDE PARK LANDFILL
TOWN OF LEWISTON
TOWN OF NIAGARA
GREIF BROS.
NEW YORK CENTRAL RAILROAD

0 600'
SCALE IN FEET

FZ-02 POTENTIOMETRIC SURFACE - MARCH 4, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

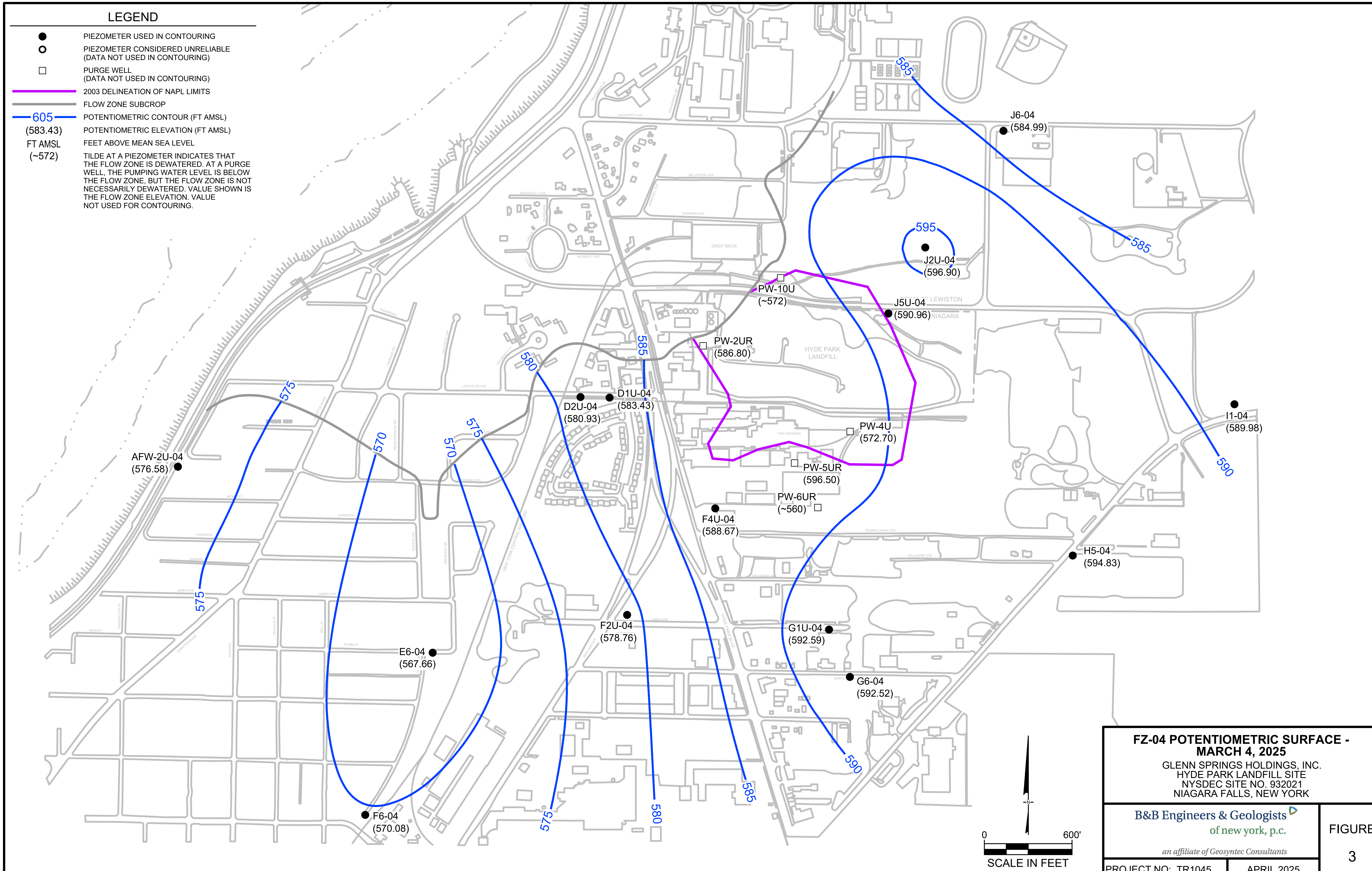
B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 2

PROJECT NO: TR1045 | APRIL 2025

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&MPROJECT FILES\CADD\05_HYDE PARK\RPT27-2025 Q1\DWGS\SHEETS\TR1045.05-RPT27-2025 Q1-FZ-02 - MJerome 4/25/25


LEGEND
PIEZOMETER USED IN CONTOURING
PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
PURGE WELL (DATA NOT USED IN CONTOURING)
2003 DELINEATION OF NAPL LIMITS
FLOW ZONE SUBCROP
605 POTENTIOMETRIC CONTOUR (FT AMSL)
(583.43) POTENTIOMETRIC ELEVATION (FT AMSL)
FT AMSL FEET ABOVE MEAN SEA LEVEL
(~572) TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.
J6-04 (584.99)
J2U-04 (596.90)
PW-10U (~572)
J5U-04 (590.96)
PW-2UR (586.80)
HYDE PARK LANDFILL
D2U-04 (580.93)
D1U-04 (583.43)
PW-4U (572.70)
I1-04 (589.98)
AFW-2U-04 (576.58)
PW-5UR (596.50)
PW-6UR (~560)
F4U-04 (588.67)
H5-04 (594.83)
F2U-04 (578.76)
G1U-04 (592.59)
E6-04 (567.66)
G6-04 (592.52)
F6-04 (570.08)
585
595
590
580
575
570
0
600'
SCALE IN FEET

FZ-04 POTENTIOMETRIC SURFACE - MARCH 4, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

PROJECT NO: TR1045	APRIL 2025	FIGURE 3

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT27-2025 Q1\DWGS\SHEETS\TR1045.05-RPT27-2025 Q1-FZ-04 - MJerome 4/28/25

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- FLOW ZONE SUBCROP
- 585 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (582.73) FT AMSL (~556) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FEET ABOVE MEAN SEA LEVEL
- TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.

AGW-1U-05 (588.80)
J6-05 (584.09)
J2U-05 (584.63)
PW-1U (~564)
PW-10U (564.90)
J5U-05 (585.25)
PMW-1U-05 (582.98)
PW-2UR (586.80)
D2U-05 (582.84)
D1U-05 (582.73)
PW-3M (~556)
I1-05 (553.41)
PW-4U (572.70)
H2M-05 (593.25)
PW-5UR (596.50)
F4U-05 (587.28)
PW-6UR (557.80)
H5-05 (593.81)
AFW-2U-05 (576.55)
F2U-05 (579.24)
E6-05 (567.75)
G6-05 (592.34)
F6-05 (569.99)

585 580 575 570 565 560 555 590

0 600'
SCALE IN FEET

FZ-05 POTENTIOMETRIC SURFACE - MARCH 4, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

PROJECT NO: TR1045 | APRIL 2025 | FIGURE 4

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT27-2025 Q1\DWGS\SHEETS\TR

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- FLOW ZONE SUBCROP
- DEWATERED AREA OF FLOW ZONE
- 555 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (554.40) FT AMSL (~548) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FEET ABOVE MEAN SEA LEVEL
- TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.

AFW-1U-06 (557.24)
AFW-2U-06 (~548)
ABP-7-06 (~554)
C3-06 (~551)
B2U-06 (554.40)
AGW-1U-06 (553.26)
J6-06 (555.49)
J2M-06 (555.37)
PW-9U (~548)
PW-10U (564.90)
PW-8U (566.30)
PW-8M (~547)
PW-7U (574.30)
PW-1U (549.4)
J5M-06 (548.02)
PMW-1U-06 (548.00)
D2U-06 (548.57)
D1U-06 (547.87)
PW-2M (~543)
PW-3M (~540)
I1-06 (550.44)
H2M-06 (586.36)
F4M-06 (550.53)
PW-6UMR (~534)
H5-06 (588.69)
F2M-06 (545.49)
G1M-06 (572.02)
E6-06 (572.02)
G6-06 (572.83)
F6-06 (571.97)

555 560 565 570 575 580 585 550

TOWN OF LEWISTON
TOWN OF NIAGARA
HYDE PARK LANDFILL

0 600'
SCALE IN FEET

FZ-06 POTENTIOMETRIC SURFACE - MARCH 4, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 5

PROJECT NO: TR1045 | APRIL 2025

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT27-2025 Q1\DWGS\SHEETS\TR1045.05-RPT27-2025 Q1-FZ-06 - MJerome 4/30/25

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- DEWATERED AREA OF FLOW ZONE
- 540 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (548.28) FT AMSL (~531) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FEET ABOVE MEAN SEA LEVEL
- TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.

ABP-1-07 (548.28)
APW-1 (~536)
AGW-1M-07 (550.64)
J6-07 (550.57)
ABP-7-07 (535.06)
B2M-07 (~531)
AFW-1M-07 (~534)
C3-07 (546.49)
PW-8M (~527)
J5M-07 (550.61)
PMW-1M-07 (529.76)
D2M-07 (~524)
PW-2M (~523)
PW-3M (520.00)
D1M-07 (524.40)
I1-07 (549.19)
AFW-2M-07 (~528)
F4M-07 (521.87)
PW-6UMR (~514)
H5-07 (555.88)
F2M-07 (516.15)
G1M-07 (573.5)
E6-07 (554.92)
G6-07 (574.15)
F6-07 (567.60)

TOWN OF LEWISTON
NIAGARA
HYDE PARK LANDFILL

0 600'
SCALE IN FEET

FZ-07 POTENTIOMETRIC SURFACE - MARCH 4, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 6

PROJECT NO: TR1045 | APRIL 2025

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACCACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT27-2025 Q1\DWGS\SHEETS\TR1045.05-RPT27-2025 Q1-FZ-07 - MJerome 4/30/25

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- DEWATERED AREA OF FLOW ZONE
- 535 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (535.95) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FT AMSL — FEET ABOVE MEAN SEA LEVEL
- (~528) — TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.

ABP-1-09 (535.41)
APW-1 (~528)
APW-2 (~527)
ABP-7-09 (535.95)
B2M-09 (529.62)
AGW-1M-09 (550.64)
J6-09 (566.89)
J2M-09 (550.61)
AFW-1M-09 (526.19)
C3-09 (543.57)
PW-1L (~519)
PW-8M (519.50)
J5M-09 (550.65)
PMW-1M-09 (517.81)
D1M-09 (519.34)
D2M-09 (~516)
PW-2M (~514)
PW-3M (520.00)
I1-09 (564.4)
AFW-2M-09 (521.04)
H2M-09 (550.15)
F4M-09 (514.80)
PW-6UMR (~506)
H5-09 (549.63)
F2M-09 (514.98)
G1M-09 (571.66)
E6-09 (552.86)
G6-09 (574.59)
F6-09 (569.91)

530 535 540 545 550 555 560 565 570

0 600'
SCALE IN FEET

FZ-09 POTENTIOMETRIC SURFACE - MARCH 4, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 7

PROJECT NO: TR1045 | APRIL 2025

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACCACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT27-2025 Q1\DWGS\SHEETS\TR1045.05-RPT27-2025 Q1-FZ-09 - MJerome 4/30/25

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- 515 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (514.91) FT AMSL — POTENTIOMETRIC ELEVATION (FT AMSL); FEET ABOVE MEAN SEA LEVEL

APW-1 (508.70)
APW-2 (523.60)
AGW-1L-11 (586.91)
B2L-11 (498.52)
J6-11 (584.83)
AFW-1L-11 (514.91)
PW-1L (499.40)
PMW-1L-11 (514.02)
PW-2L (494.80)
J5L-11 (546.98)
D2L-11 (524.23)
D1L-11 (503.84)
PW-3L (517.10)
I1-11 (548.03)
H2L-11 (553.25)
AFW-2L-11 (496.98)
F4L-11 (569.28)
H5-11 (544.02)
F2L-11 (551.32)
G1L-11 (558.22)
G6-11 (561.46)
E6-11 (531.00)
F6-11 (526.46)

TOWN OF LEWISTON
NIAGARA
HYDE PARK LANDFILL

0 600'
SCALE IN FEET

FZ-11 POTENTIOMETRIC SURFACE - MARCH 4, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

PROJECT NO: TR1045 | APRIL 2025 | FIGURE 8

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT27-2025 Q1\DWGS\SHEETS\TR1045.05-RPT27-2025 Q1-FZ-11 - MJerome 4/30/25

LEGEND

- WELL USED IN CONTOURING
- WELL CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- OBCWS WET WELLS PUMPED FOR RECOVERY. POSTED LEVELS INDICATE THE PUMPING SETPOINTS. SETPOINT LEVELS WERE USED FOR CONTOURING.
- EXISTING BARRIER COLLECTION SYSTEM
- OVERBURDEN BARRIER COLLECTION SYSTEM
- 585 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (585.92) FT AMSL — POTENTIOMETRIC ELEVATION (FT AMSL)
- (DRY) — FEET ABOVE MEAN SEA LEVEL
- (sp. 583.00) — WELL DRY AT THE TIME OF MEASUREMENT
- (SURCHARGED) — SETPOINT LEVEL
- WELL SURCHARGED AT THE TIME OF MEASUREMENT

CMW-1OB (572.55)
CMW-2OB (590.52)
CMW-3OB (575.86)
CMW-4OB (SURCHARGED)
CMW-5OB (SURCHARGED)
CMW-6OB (SURCHARGED)
CMW-7OB (605.71)
CMW-8OB (DRY)
CMW-9OB (569.13)
CMW-11OB (571.08)
CMW-12OB (587.81)
OMW-1 (599.81)
OMW-2 (602.77)
OMW-3 (592.14)
OMW-4R (590.19)
OMW-5R (587.62)
OMW-6 (585.92)
OMW-7 (586.55)
OMW-8R2 (587.06)
OMW-9 (588.65)
OMW-10R (587.86)
OMW-11R (592.68)
OMW-12R (592.88)
OMW-13R (593.52)
OMW-14R (596.62)
OMW-15 (602.56)
OMW-16R (603.70)
WW-C (sp. 583.00)
WW-D (sp. 580.00)

570 575 580 585 590 595 600 605

0 600'
SCALE IN FEET

OVERBURDEN POTENTIOMETRIC SURFACE - MARCH 4, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 9

PROJECT NO: TR1045 | APRIL 2025

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&MPROJECT FILES\CADD\05_HYDE PARK\RPT27-2025 Q1\DWGS\SHEETS\TR1045.05-RPT27-2025 Q1-OB - MJerome 4/30/25

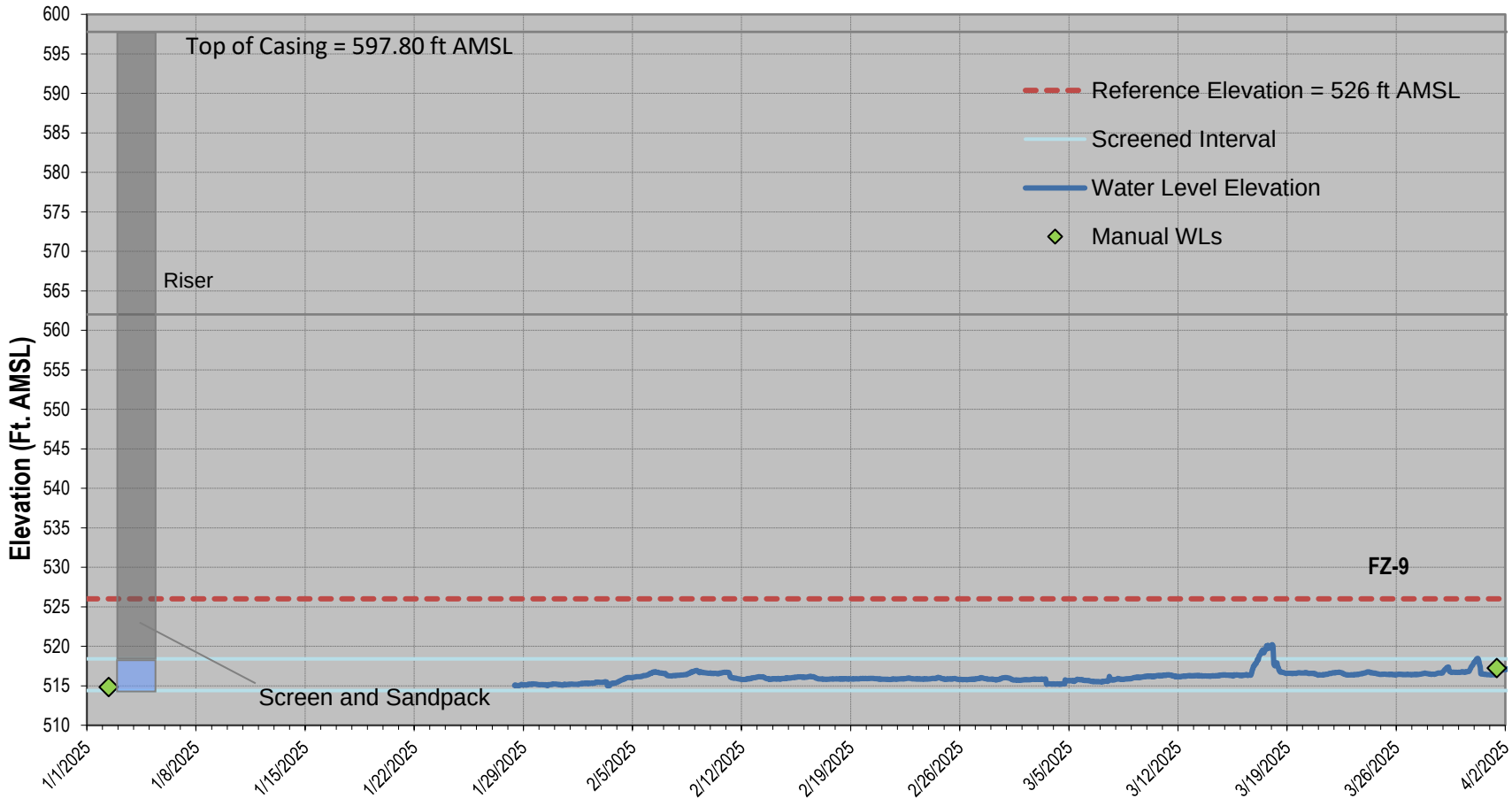


figure 10

PMW-1M-09 1st Quarter 2025 - Hourly Water Level Elevation
1st Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.

Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

Table 1

Groundwater Elevation Summary
First Quarter - 2025
Hyde Park RRT Program

Hydraulic Monitoring Completed 04 March 2025

Well	Reference Elevation (ft AMSL)	Depth to Water (BTOR)(ft)	Groundwater Elevation (ft AMSL)
Overburden			
CMW-2OB	590.79	0.27	590.52
CMW-3OB	582.13	6.27	575.86
CMW-4OB	574.28	Surcharged	-
CMW-5OB	583.43	Surcharged	-
CMW-6OB	571.89	Surcharged	-
CMW-7OB	611.00	5.29	605.71
CMW-8OB	616.11	Dry @ 3.28	< 612.83
CMW-9OB	571.76	2.63	569.13
CMW-1OB	576.80	4.25	572.55
CMW-11OB	572.85	1.77	571.08
CMW-12OB	594.74	6.93	587.81
MH20	605.87	4.68	601.19
MH21	599.77	6.04	593.73
MH22	593.37	6.78	586.59
MH23	587.05	10.40	576.65
MH24	582.57	3.78	578.79
MH25	583.82	3.42	580.40
MH26	584.48	5.00	579.48
MH27	586.12	8.24	577.88
MH28	585.23	8.30	576.93
MH29	604.58	10.44	594.14
MH30	599.49	10.03	589.46
MH31	590.10	9.60	580.50
MH32	592.01	9.70	582.31
MH33	592.51	8.78	583.73
MH34	598.34	7.34	591.00
MH35	605.69	6.57	599.12
MH35A	605.69	7.24	598.45
OMW-1	605.28	5.47	599.81
OMW-2	605.99	3.22	602.77
OMW-3	598.63	6.49	592.14
OMW-4R	601.17	10.98	590.19
OMW-5R	591.31	3.69	587.62
OMW-6	587.62	1.70	585.92
OMW-7	592.74	6.19	586.55
OMW-8R2	594.67	7.61	587.06
OMW-9	595.27	6.62	588.65
OMW-10R	595.13	7.27	587.86
OMW-11R	597.52	4.84	592.68
OMW-12R	596.71	4.32	592.88
OMW-13R	601.50	7.98	593.52
OMW-14R	599.64	3.02	596.62
OMW-15	607.48	4.92	602.56
OMW-16R	607.62	3.92	603.70
SC-2	625.61	22.64	602.97
SC-3	638.72	40.12	598.60
SC-4	639.35	39.34	600.01
SC-5	634.07	31.61	602.46
SC-6	631.15	22.40	608.75

Notes:

BTOR	-Below Top Of Riser
-	- Not applicable
ft AMSL	- Feet above mean sea level
Surcharged	- Well surcharged at the time of measurement
Dry	- No water present at the time of the measurement; measurement is bottom of well
Inaccessible	- Well inaccessible due to non-operating car parked on well

Table 1

Groundwater Elevation Summary
First Quarter - 2025
Hyde Park RRT Program

Hydraulic Monitoring Completed 04 March 2025

Well	Reference Elevation (ft AMSL)	Depth to Water (BTOR)(ft)	Groundwater Elevation (ft AMSL)
Shallow Bedrock			
CMW-1SH	576.11	11.63	564.48
CMW-2SH	590.51	15.33	575.18
CMW-3SH	581.91	26.93	554.98
CMW-4SH	574.16	6.20	567.96
CMW-5SH	583.36	4.45	578.91
CMW-6SH	572.05	9.54	562.51
CMW-7SH	610.58	Inaccessible	Inaccessible
CMW-8SH	615.95	6.61	609.34
CMW-9SH	571.96	11.59	560.37
CMW-11SH	573.21	7.89	565.32
CMW-12SH	597.02	20.10	576.92
Flow Zone 1			
G1U-01	617.08	13.12	603.96
G6-01	609.24	5.49	603.75
H2U-01	620.92	9.62	611.30
H5-01	617.61	13.58	604.03
I1-01	625.58	23.92	601.66
Flow Zone 2			
F2U-02	599.89	23.64	576.25
F4U-02	602.32	14.99	587.33
G1-02	616.86	24.57	592.29
G6-02	608.65	16.44	592.21
H2U-02	620.88	25.43	595.45
H5-02	617.47	22.55	594.92
I1-02	625.47	34.47	591.00
J2U-02	609.66	9.89	599.77
J5U-02	606.21	6.52	599.69
J6-02	609.23	8.33	600.90
Flow Zone 4			
AFW-2U-04	593.48	16.90	576.58
D1U-04	593.77	10.34	583.43
D2U-04	590.65	9.72	580.93
E6-04	578.23	10.57	567.66
F2U-04	599.76	21.00	578.76
F4U-04	602.19	13.52	588.67
F6-04	588.06	17.98	570.08
G1U-04	616.96	24.37	592.59
G6-04	609.15	16.63	592.52
H5-04	617.40	22.57	594.83
I1-04	625.30	35.32	589.98
J2U-04	609.42	12.52	596.90
J5U-04	606.05	15.09	590.96
J6-04	609.12	24.13	584.99

Notes:

BTOR	-Below Top Of Riser
-	- Not applicable
ft AMSL	- Feet above mean sea level
Surcharged	- Well surcharged at the time of measurement
Dry	- No water present at the time of the measurement; measurement is bottom of well
Inaccessible	- Well inaccessible due to non-operating car parked on well

Table 1

Groundwater Elevation Summary
First Quarter - 2025
Hyde Park RRT Program

Hydraulic Monitoring Completed 04 March 2025

Well	Reference Elevation (ft AMSL)	Depth to Water (BTOR)(ft)	Groundwater Elevation (ft AMSL)
Flow Zone 5			
AFW-2U-05	593.33	16.78	576.55
AGW-1U-05	591.80	3.00	588.80
D1U-05	593.51	10.78	582.73
D2U-05	590.56	7.72	582.84
E6-05	578.04	10.29	567.75
F2U-05	599.64	20.40	579.24
F4U-05	602.06	14.78	587.28
F6-05	587.85	17.86	569.99
G6-05	609.13	16.79	592.34
H2M-05	621.59	28.34	593.25
H5-05	617.31	23.50	593.81
I1-05	625.25	71.84	553.41
J2U-05	609.30	24.67	584.63
J5U-05	605.87	20.62	585.25
J6-05	609.02	24.93	584.09
PMW-1U-05	598.00	15.02	582.98
Flow Zone 6			
ABP-7-06	575.78	Dry @ 21.80	< 553.98
AFW-1U-06	571.83	14.59	557.24
AFW-2U-06	593.22	47.84	545.38
AGW-1U-06	591.66	38.40	553.26
B2U-06	589.29	34.89	554.40
C3-06	585.78	37.12	548.66
D1U-06	593.25	45.38	547.87
D2U-06	590.38	41.81	548.57
E6-06	577.99	5.97	572.02
F2M-06	599.06	53.57	545.49
F4M-06	602.05	51.52	550.53
F6-06	587.84	15.87	571.97
G1M-06	616.75	44.73	572.02
G6-06	609.09	36.26	572.83
H2M-06	621.42	35.06	586.36
H5-06	617.17	28.48	588.69
I1-06	625.15	74.71	550.44
J2M-06	608.94	53.57	555.37
J5M-06	606.22	58.20	548.02
J6-06	608.93	53.44	555.49
PMW-1U-06	597.92	49.92	548.00

Notes:

BTOR	-Below Top Of Riser
-	- Not applicable
ft AMSL	- Feet above mean sea level
Surcharged	- Well surcharged at the time of measurement
Dry	- No water present at the time of the measurement; measurement is bottom of well
Inaccessible	- Well inaccessible due to non-operating car parked on well

Table 1

Groundwater Elevation Summary
First Quarter - 2025
Hyde Park RRT Program

Hydraulic Monitoring Completed 04 March 2025

Well	Reference Elevation (ft AMSL)	Depth to Water (BTOR)(ft)	Groundwater Elevation (ft AMSL)
Flow Zone 7			
ABP-1-07	575.20	28.16	548.28
ABP-7-07	575.73	40.67	535.06
AFW-1M-07	571.41	Dry @ 38.71	< 532.70
AFW-2M-07	593.44	66.83	526.61
AGW-1M-07	592.91	42.27	550.64
B2M-07	589.52	59.18	530.34
C3-07	585.62	39.13	546.49
D1M-07	594.15	69.75	524.40
D2M-07	590.77	68.20	522.57
E6-07	577.91	22.99	554.92
F2M-07	598.91	82.76	516.15
F4M-07	601.91	80.04	521.87
F6-07	587.68	20.08	567.60
G1M-07	616.68	43.18	573.50
G6-07	609.06	34.91	574.15
H5-07	617.05	61.17	555.88
I1-07	625.14	75.95	549.19
J5M-07	606.07	55.46	550.61
J6-07	608.85	58.28	550.57
PMW-1M-07	598.50	68.74	529.76
Flow Zone 9			
ABP-1-09	575.19	40.08	535.41
ABP-7-09	575.67	39.72	535.95
AFW-1M-09	571.12	44.93	526.19
AFW-2M-09	593.32	72.28	521.04
AGW-1M-09	592.75	42.11	550.64
B2M-09	589.34	59.72	529.62
C3-09	585.00	41.43	543.57
D1M-09	594.02	74.68	519.34
D2M-09	590.66	75.25	515.41
E6-09	577.82	24.96	552.86
F2M-09	598.71	83.73	514.98
F4M-09	601.79	86.99	514.80
F6-09	587.53	17.62	569.91
G1M-09	616.58	44.92	571.66
G6-09	608.98	34.39	574.59
H2M-09	621.32	71.17	550.15
H5-09	616.93	67.30	549.63
I1-09	624.91	60.51	564.40
J2M-09	608.77	58.16	550.61
J5M-09	605.82	55.17	550.65
J6-09	608.76	41.87	566.89
PMW-1M-09	598.34	80.53	517.81

Notes:

BTOR	-Below Top Of Riser
-	- Not applicable
ft AMSL	- Feet above mean sea level
Surcharged	- Well surcharged at the time of measurement
Dry	- No water present at the time of the measurement; measurement is bottom of well
Inaccessible	- Well inaccessible due to non-operating car parked on well

Table 1

Groundwater Elevation Summary
First Quarter - 2025
Hyde Park RRT Program

Hydraulic Monitoring Completed 04 March 2025

Well	Reference Elevation (ft AMSL)	Depth to Water (BTOR)(ft)	Groundwater Elevation (ft AMSL)
Flow Zone 11			
AFW-1L-11	572.10	57.19	514.91
AFW-2L-11	593.43	96.45	496.98
AGW-1L-11	592.71	5.80	586.91
B2L-11	589.65	91.13	498.52
D1L-11	593.80	89.96	503.84
D2L-11	590.21	65.98	524.23
E6-11	577.72	46.72	531.00
F2L-11	598.94	47.62	551.32
F4L-11	602.22	32.94	569.28
F6-11	587.40	60.94	526.46
G1L-11	616.84	58.62	558.22
G6-11	608.89	47.43	561.46
H2L-11	620.73	67.48	553.25
H5-11	616.81	72.79	544.02
I1-11	624.75	76.72	548.03
J5L-11	607.20	60.22	546.98
J6-11	608.68	23.85	584.83
PMW-1L-11	598.84	84.82	514.02
Purge Wells			
APW-1	564.98	56.28	508.70
APW-2	569.89	46.29	523.60
PW-1L	593.16	93.76	499.40
PW-1U	593.50	43.76	549.40
PW-2L	597.29	102.49	494.80
PW-2M	596.61	82.71	513.90
PW-2UR	594.75	7.95	586.80
PW-3L	599.05	81.95	517.10
PW-3M	597.79	77.79	520.00
PW-4M	606.93	Well no longer in use-decommissioned	-
PW-4U	604.85	32.15	572.70
PW-5UR	601.31	4.81	596.50
PW-6UMR	609.31	107.51	501.80
PW-6UR	608.47	50.67	557.80
PW-7U	592.47	18.17	574.30
PW-8M	592.67	73.17	519.50
PW-8U	589.27	22.97	566.30
PW-9U	587.47	43.87	543.60
PW-10U	593.54	28.64	564.90

Notes:

BTOR	-Below Top Of Riser
-	- Not applicable
ft AMSL	- Feet above mean sea level
Surcharged	- Well surcharged at the time of measurement
Dry	- No water present at the time of the measurement; measurement is bottom of well
Inaccessible	- Well inaccessible due to non-operating car parked on well

Table 2

Leachate Treatment System Daily Effluent Monitoring Data
First Quarter - 2025
Hyde Park RRT Program

	Effluent	
Date	**pH** (su)	**Flow** (gal)
01/01/2025	7.9	175,000
01/02/2025	8.0	134,000
01/03/2025		
01/04/2025	7.9	105,000
01/05/2025		
01/06/2025		
01/07/2025	7.9	142,000
01/08/2025		
01/09/2025	8.0	178,000
01/10/2025		
01/11/2025		
01/12/2025		
01/13/2025		
01/14/2025		
01/15/2025		
01/16/2025	7.0	179,000
01/17/2025		
01/18/2025		
01/19/2025		
01/20/2025		
01/21/2025		
01/22/2025		
01/23/2025	7.1	186,000
01/24/2025	7.1	246,000
01/25/2025		
01/26/2025		
01/27/2025		
01/28/2025		
01/29/2025		
01/30/2025	7.2	206,000
01/31/2025		
02/01/2025		
02/02/2025		
02/03/2025		
02/04/2025		
02/05/2025		

Table 2

Leachate Treatment System Daily Effluent Monitoring Data
First Quarter - 2025
Hyde Park RRT Program

	Effluent	
Date	**pH** (su)	**Flow** (gal)
02/06/2025	7.2	202,000
02/07/2025		
02/08/2025		
02/09/2025		
02/10/2025		
02/11/2025	7.1	220,000
02/12/2025		
02/13/2025		
02/14/2025	7.1	187,000
02/15/2025		
02/16/2025		
02/17/2025		
02/18/2025		
02/19/2025	7.1	160,000
02/20/2025	7.1	64,000
02/21/2025		
02/22/2025		
02/23/2025		
02/24/2025		
02/25/2025	7.3	211,000
02/26/2025		
02/27/2025	7.3	184,000
02/28/2025	7.4	109,000
03/01/2025	7.4	253,000
03/02/2025		
03/03/2025		
03/04/2025	7.5	191,000
03/05/2025	7.4	137,000
03/06/2025	7.4	141,000
03/07/2025	7.6	116,000
03/08/2025		
03/09/2025		
03/10/2025	7.5	150,000
03/11/2025	7.5	236,000
03/12/2025	7.5	156,000
03/13/2025		

Table 2

Leachate Treatment System Daily Effluent Monitoring Data
First Quarter - 2025
Hyde Park RRT Program

	Effluent	
Date	**pH** (su)	**Flow** (gal)
03/14/2025	7.5	193,000
03/15/2025	7.5	126,000
03/16/2025		
03/17/2025	7.4	111,000
03/18/2025		
03/19/2025		
03/20/2025		
03/21/2025	7.5	130,000
03/22/2025		
03/23/2025	7.5	185,000
03/24/2025	7.6	180,000
03/25/2025	7.6	113,000
03/26/2025	7.6	58,000
03/27/2025	7.5	161,000
03/28/2025	7.4	177,000
03/29/2025	7.6	168,000
03/30/2025		
03/31/2025		
	Total	5,870,000

Notes:

su - Standard unit
gal - Gallons

Table 3

Analytical Results Summary
Weekly Effluent Sampling - Leachate Treatment System
First Quarter - 2025
Hyde Park RRT Program

Parameter	Units	Effluent 1/2/2025	1/8/2025	1/15/2025	1/22/2025	1/29/2025
Volatiles						
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	**1.5**	**1.5**	**1.8**	**1.6**	**1.5**
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl acetate	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	**0.24 J**	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
General Chemistry						
Phenolics (total)	mg/L	**0.0189**	**0.0210**	**0.0155**	**0.0125**	**0.0159**

Notes:

** - No sample collected; treatment system down while troubleshooting and repairing a storage tank valve issue that interlocked the treatment system.

1.5 - indicates a detection

J - Estimated concentration

U - Not detected at associated reporting limit

mg/L - milligrams per liter

µg/L - micrograms per liter

Table 3

Analytical Results Summary
Weekly Effluent Sampling - Leachate Treatment System
First Quarter - 2025
Hyde Park RRT Program

Parameter	Units	Effluent 2/5/2025	2/12/2025	2/19/2025	2/26/2025	3/5/2025
Volatiles						
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	**1.1**	**0.73 J**	**1.1**	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl acetate	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
General Chemistry						
Phenolics (total)	mg/L	**0.0299**	**0.0228**	**0.0127**	**0.0132**	0.0050 U

Notes:

** - No sample collected; treatment system down while troubleshooting and repairing a storage tank valve issue that interlocked the treatment system.

1.5 - indicates a detection

J - Estimated concentration

U - Not detected at associated reporting limit

mg/L - milligrams per liter

µg/L - micrograms per liter

Table 3

Analytical Results Summary
Weekly Effluent Sampling - Leachate Treatment System
First Quarter - 2025
Hyde Park RRT Program

Parameter	Units	Effluent 3/12/2025	3/19/2025 **	3/26/2025
Volatiles				
1,1,1-Trichloroethane	µg/L	1.0 U	-	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	-	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	-	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	-	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	-	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	-	**0.35 J**
1,2-Dichlorobenzene	µg/L	1.0 U	-	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	-	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	-	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	-	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	-	1.0 U
2-Chlorotoluene	µg/L	1.0 U	-	1.0 U
3-Chlorotoluene	µg/L	1.0 U	-	1.0 U
4-Chlorotoluene	µg/L	1.0 U	-	1.0 U
Benzene	µg/L	1.0 U	-	1.0 U
Bromodichloromethane	µg/L	1.0 U	-	1.0 U
Bromoform	µg/L	1.0 U	-	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	-	1.0 U
Carbon disulfide	µg/L	1.0 U	-	1.0 U
Carbon tetrachloride	µg/L	1.0 U	-	1.0 U
Chlorobenzene	µg/L	1.0 U	-	1.0 U
Chloroethane	µg/L	1.0 U	-	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	-	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	-	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	-	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	-	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	-	1.0 U
Ethylbenzene	µg/L	1.0 U	-	1.0 U
m&p-Xylenes	µg/L	2.0 U	-	2.0 U
m-Monochlorobenzotrifluoride	µg/L	1.0 U	-	1.0 U
Methylene chloride	µg/L	1.0 U	-	1.0 U
o-Monochlorobenzotrifluoride	µg/L	1.0 U	-	1.0 U
o-Xylene	µg/L	1.0 U	-	1.0 U
p-Monochlorobenzotrifluoride	µg/L	1.0 U	-	1.0 U
Styrene	µg/L	1.0 U	-	1.0 U
Tetrachloroethene	µg/L	1.0 U	-	1.0 U
Toluene	µg/L	1.0 U	-	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	-	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	-	1.0 U
Trichloroethene	µg/L	1.0 U	-	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	-	1.0 U
Vinyl acetate	µg/L	2.0 U	-	2.0 U
Vinyl chloride	µg/L	**0.28 J**	-	**0.49 J**
Xylenes (total)	µg/L	3.0 U	-	3.0 U
General Chemistry				
Phenolics (total)	mg/L	0.0050 U	-	**0.0049 J**

Notes:

** - No sample collected; treatment system down while troubleshooting and repairing a storage tank valve issue that interlocked the treatment system.

1.5 - indicates a detection

J - Estimated concentration

U - Not detected at associated reporting limit

mg/L - milligrams per liter

µg/L - micrograms per liter

Table 4

Analytical Results Summary
Quarterly Effluent Sampling - Leachate Treatment System
First Quarter - 2025
Hyde Park RRT Program

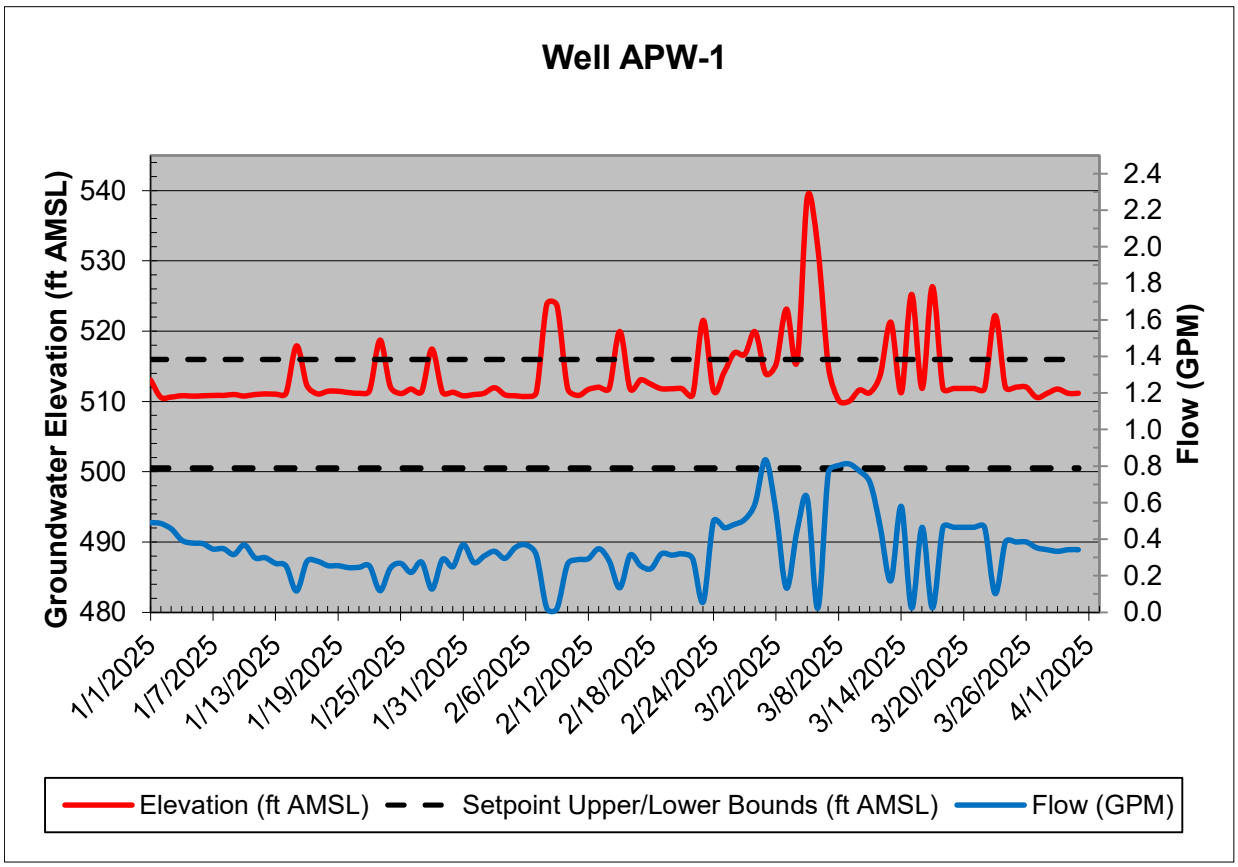
	Sample Location:	**EFFLUENT**
	Sample ID:	**EFF-032625-WT**
	Sample Date:	**3/26/2025**
Parameters	**Units**	
Volatile Organic Compounds		
Vinyl chloride	µg/L	**0.445 J**
General Chemistry		
Phosphorus	mg/L	**0.039 J**

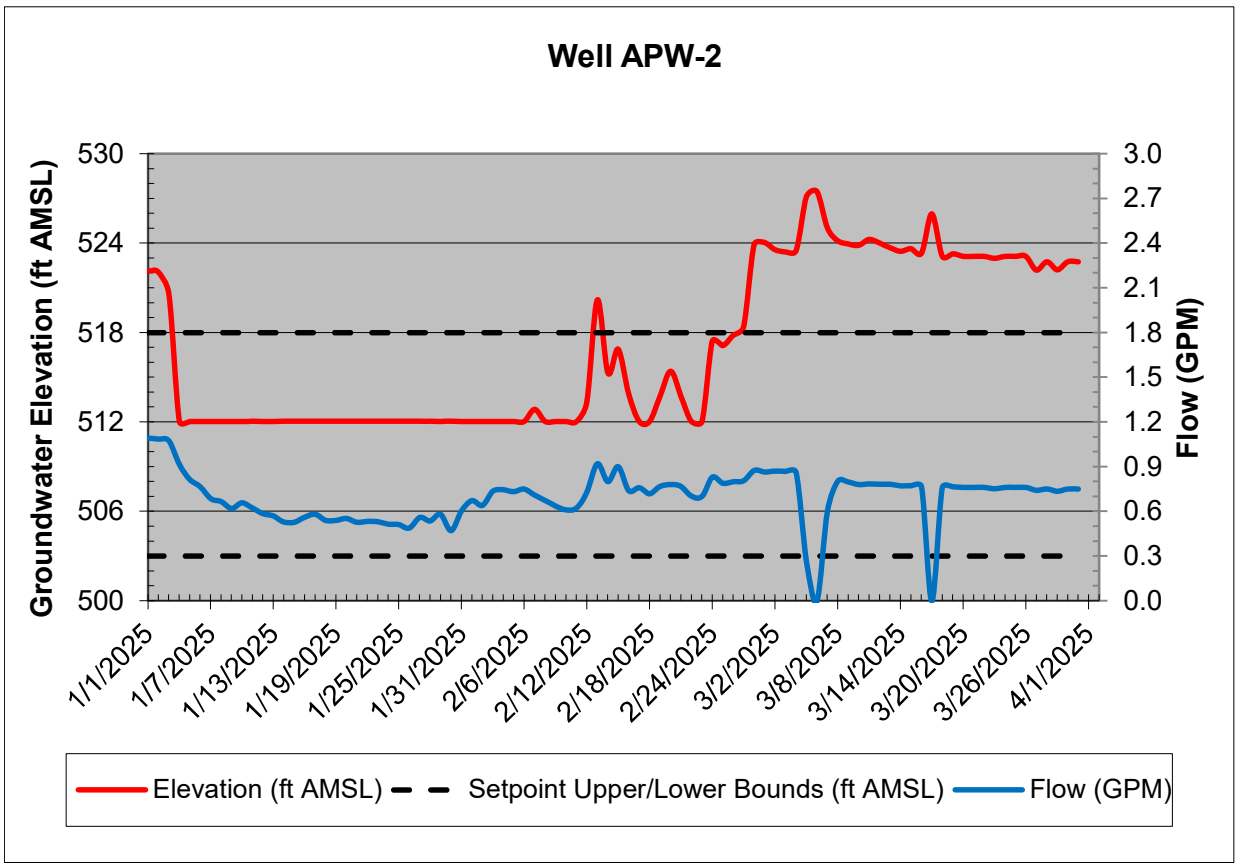
Notes:

J - estimated concentration
µg/L - micrograms per liter
mg/L - milligrams per liter
0.445 J - indicates a detection for the indicated compound

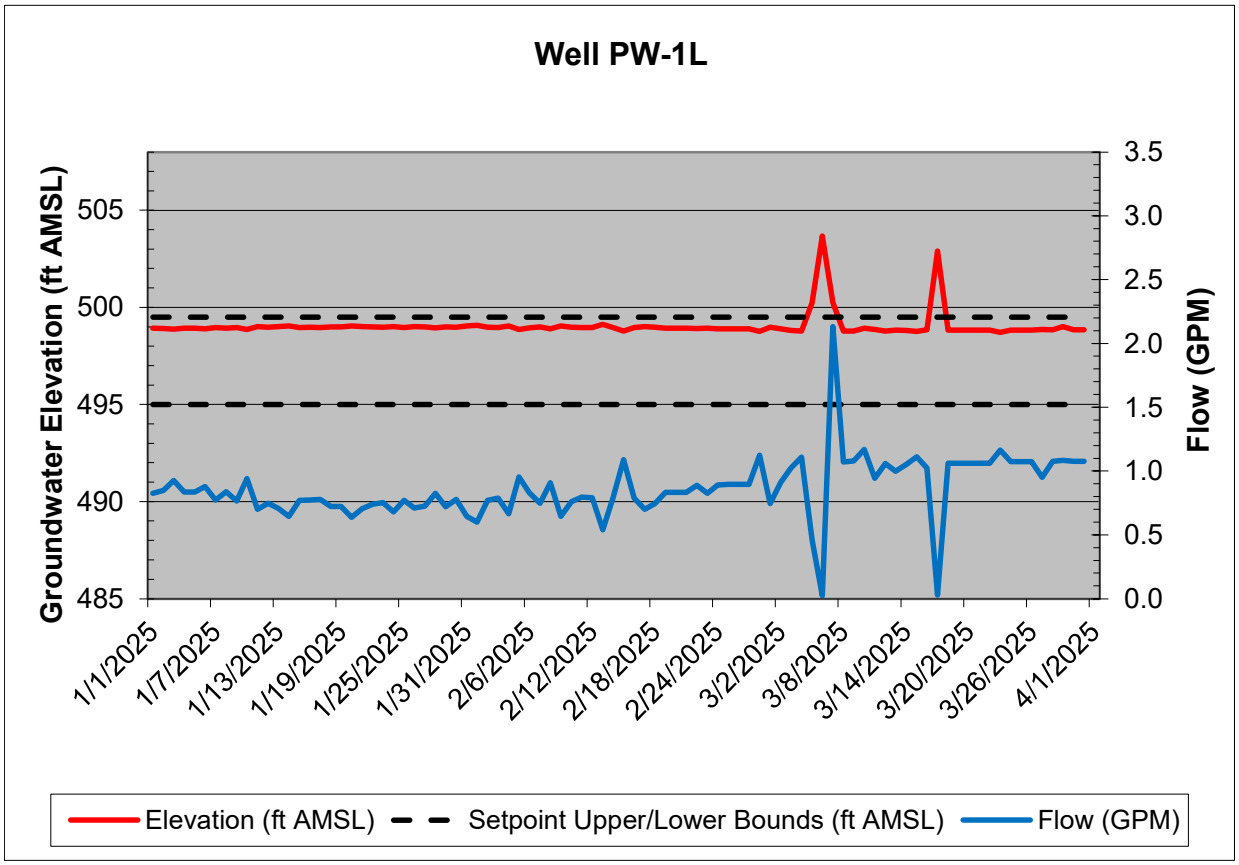
ATTACHMENT A

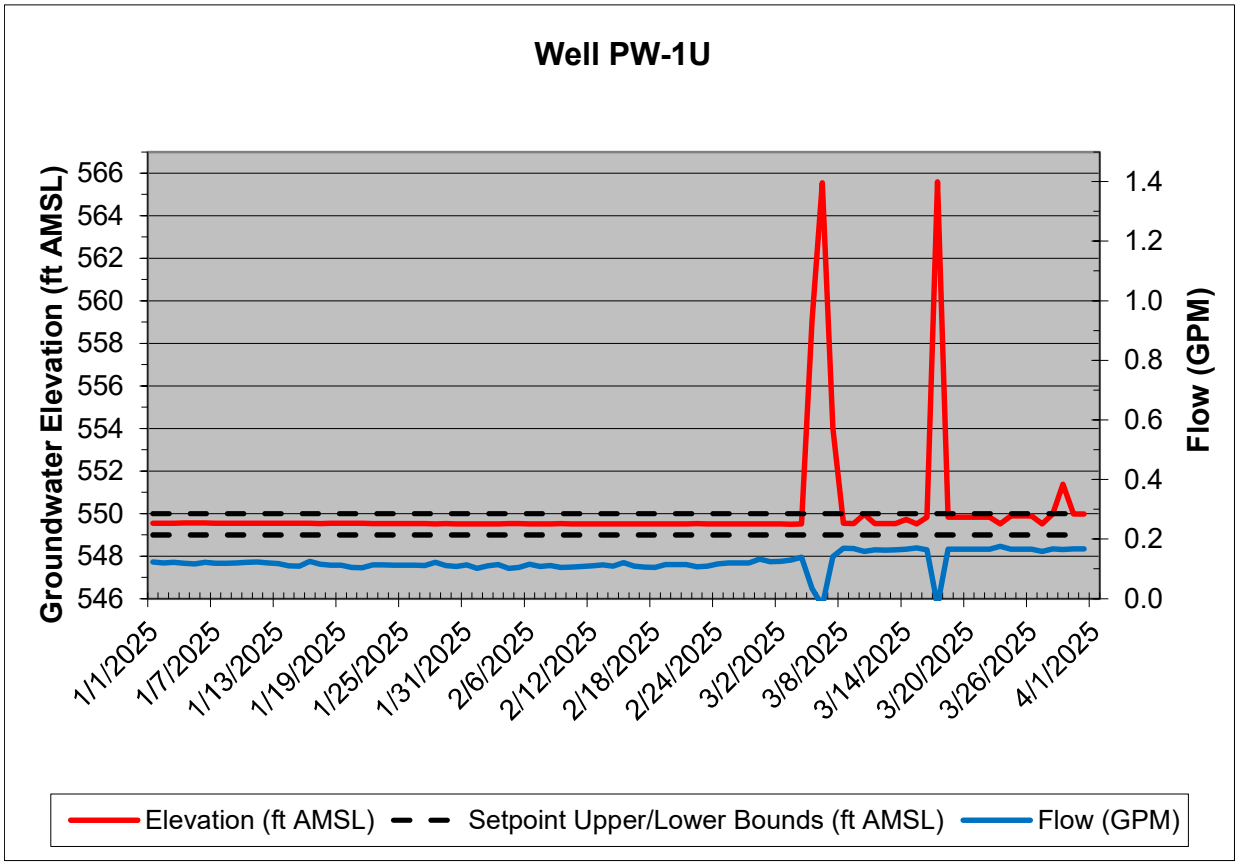
FIRST QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK



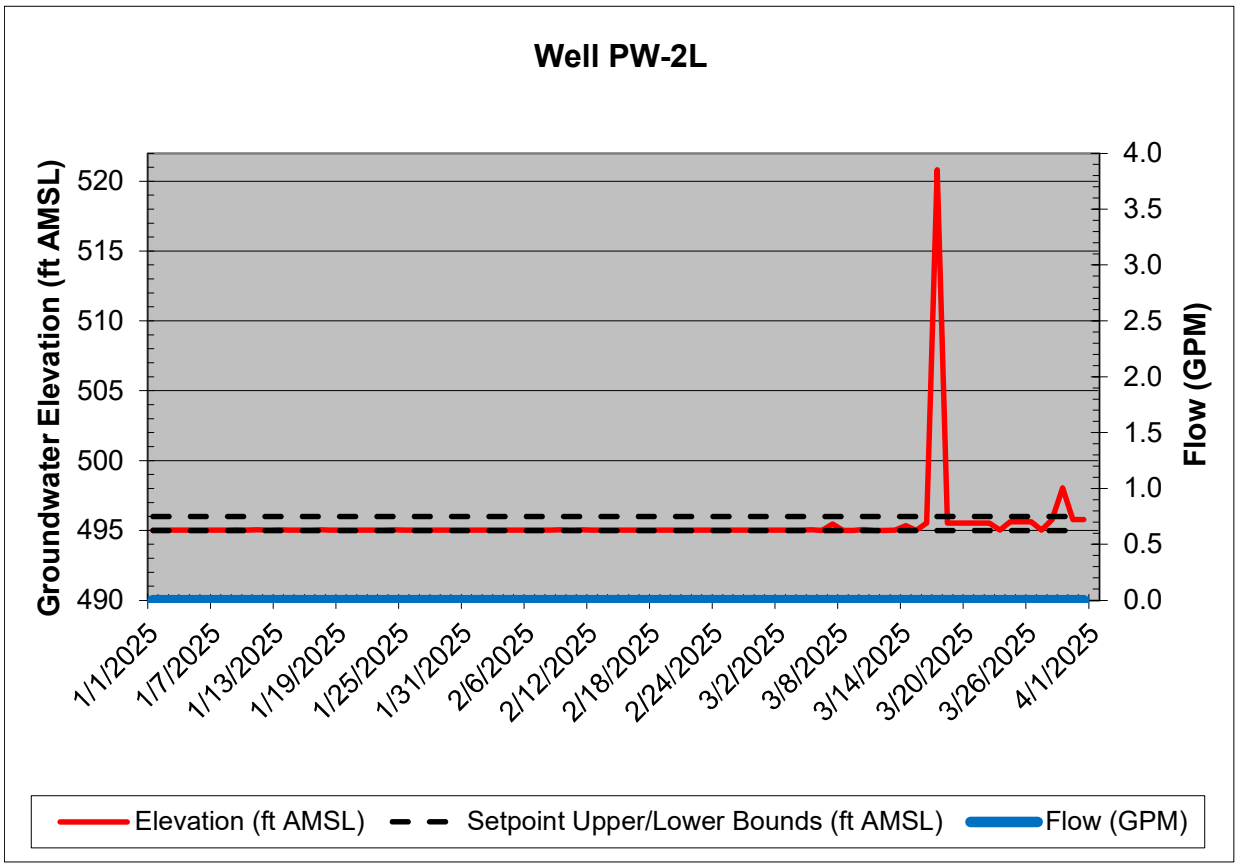


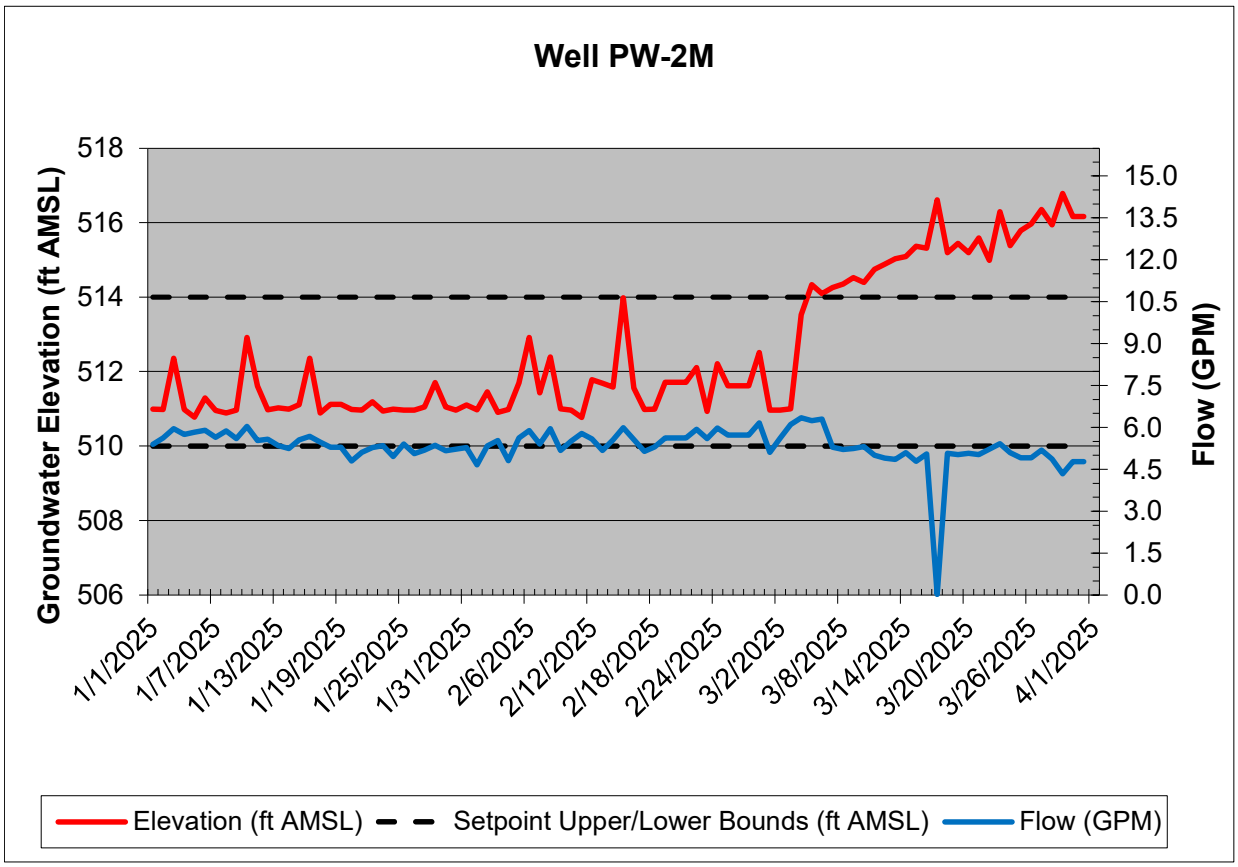
FIRST QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK





FIRST QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK





FIRST QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
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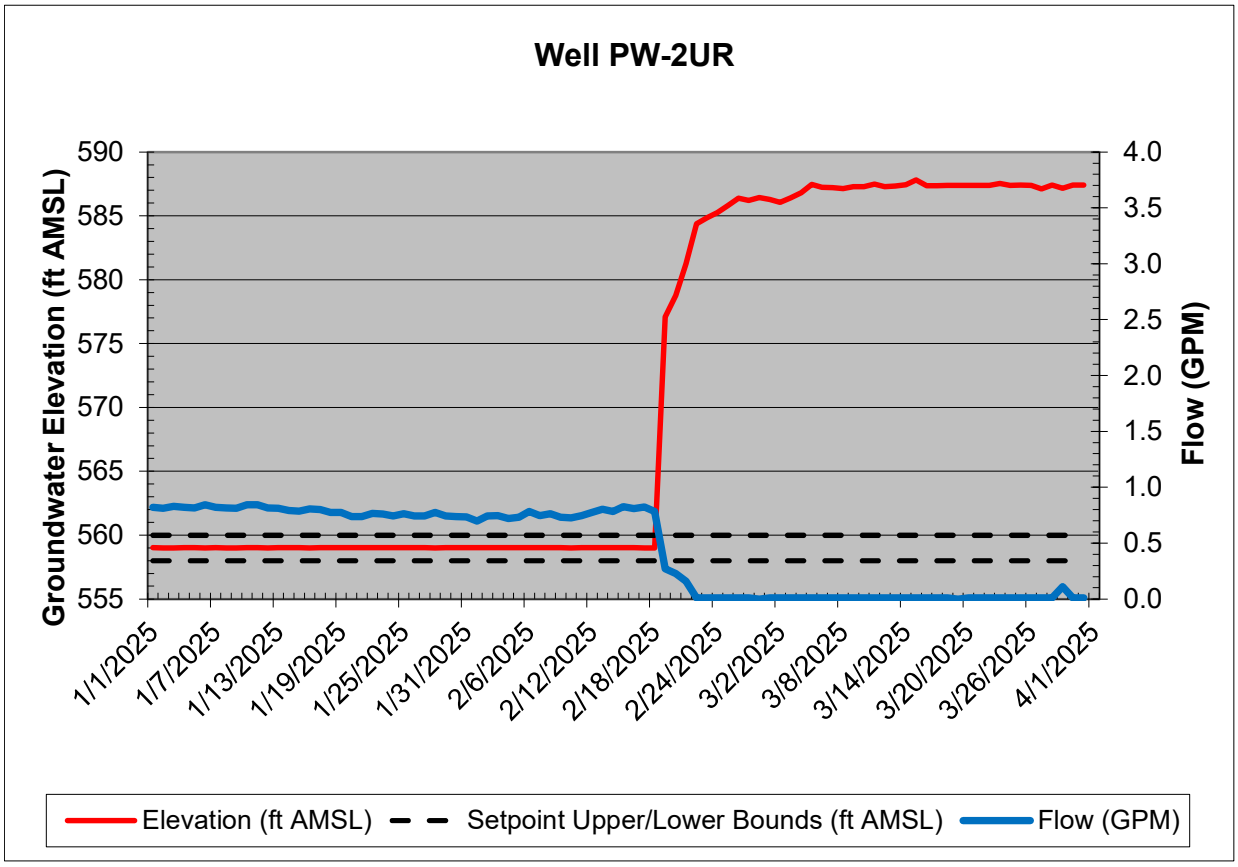

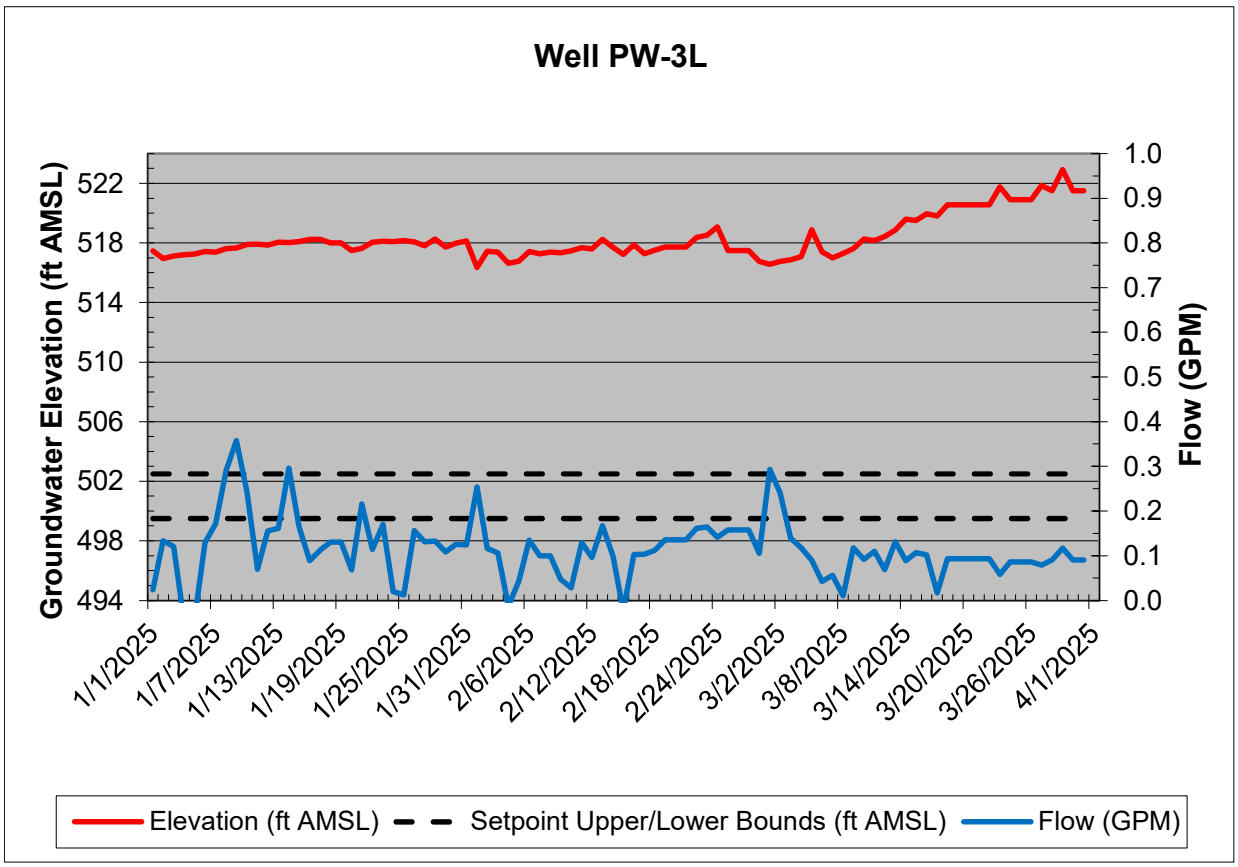

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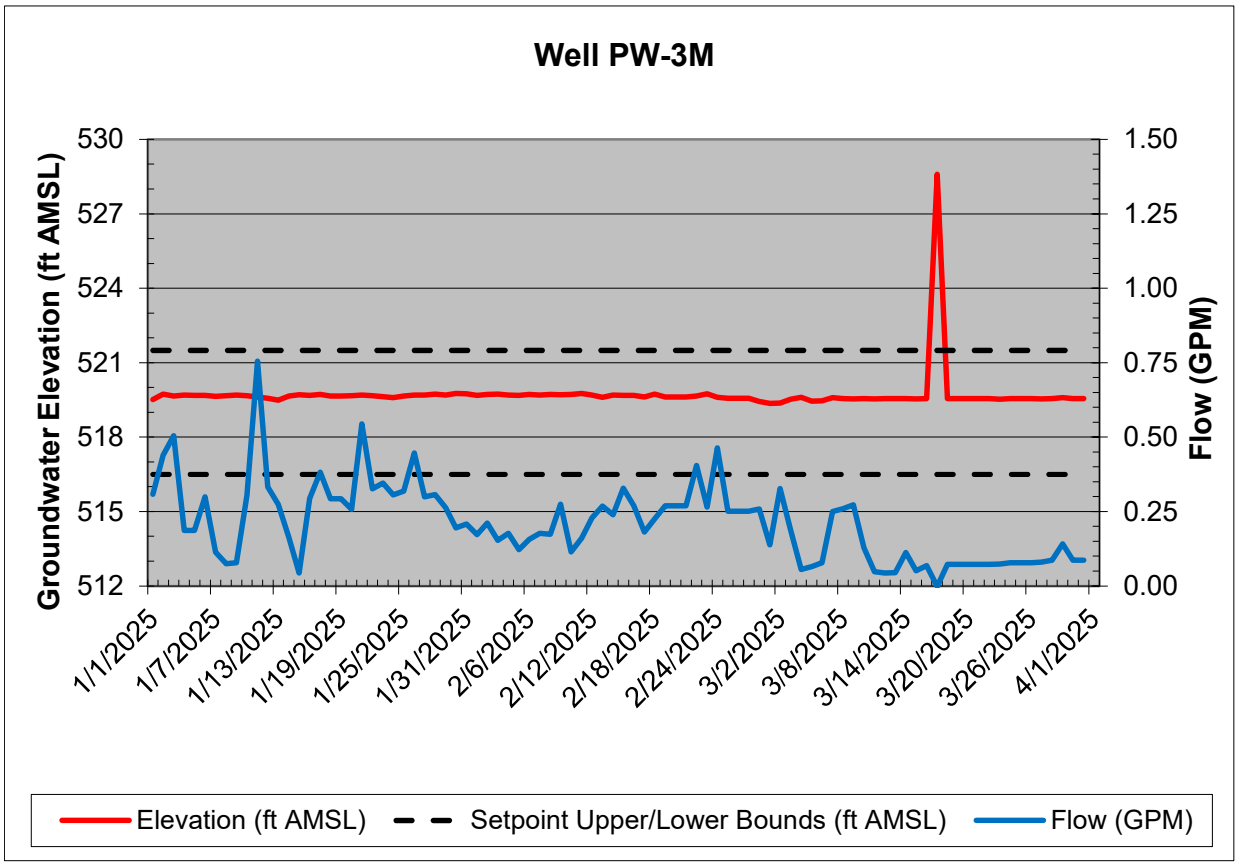
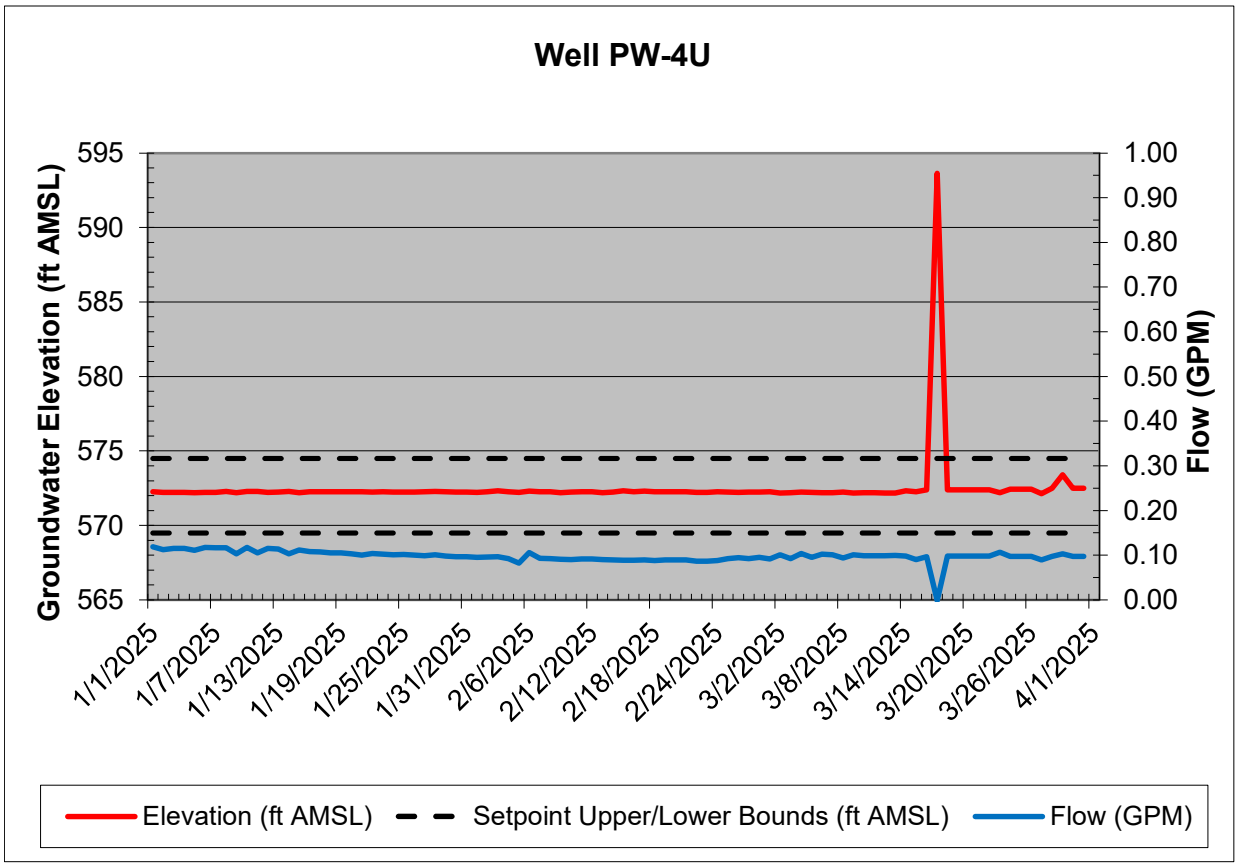
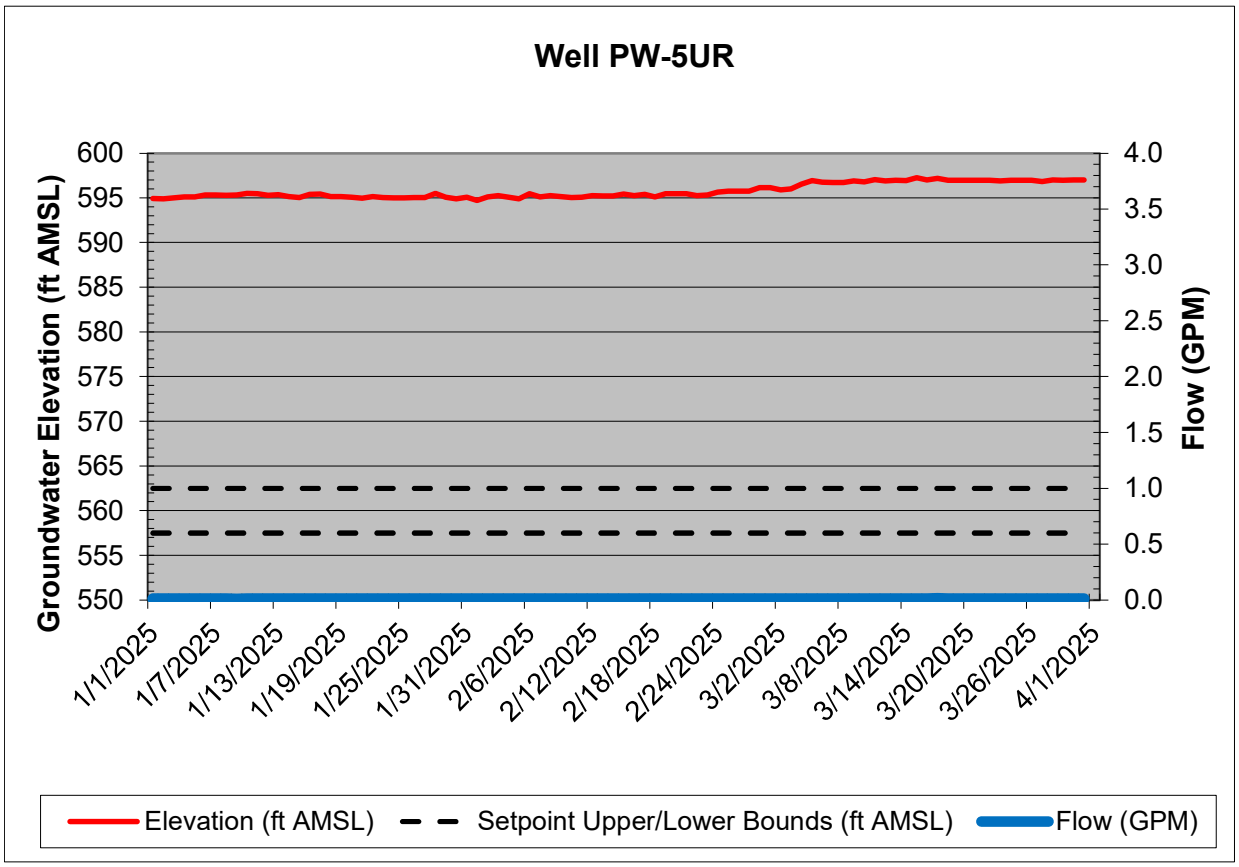
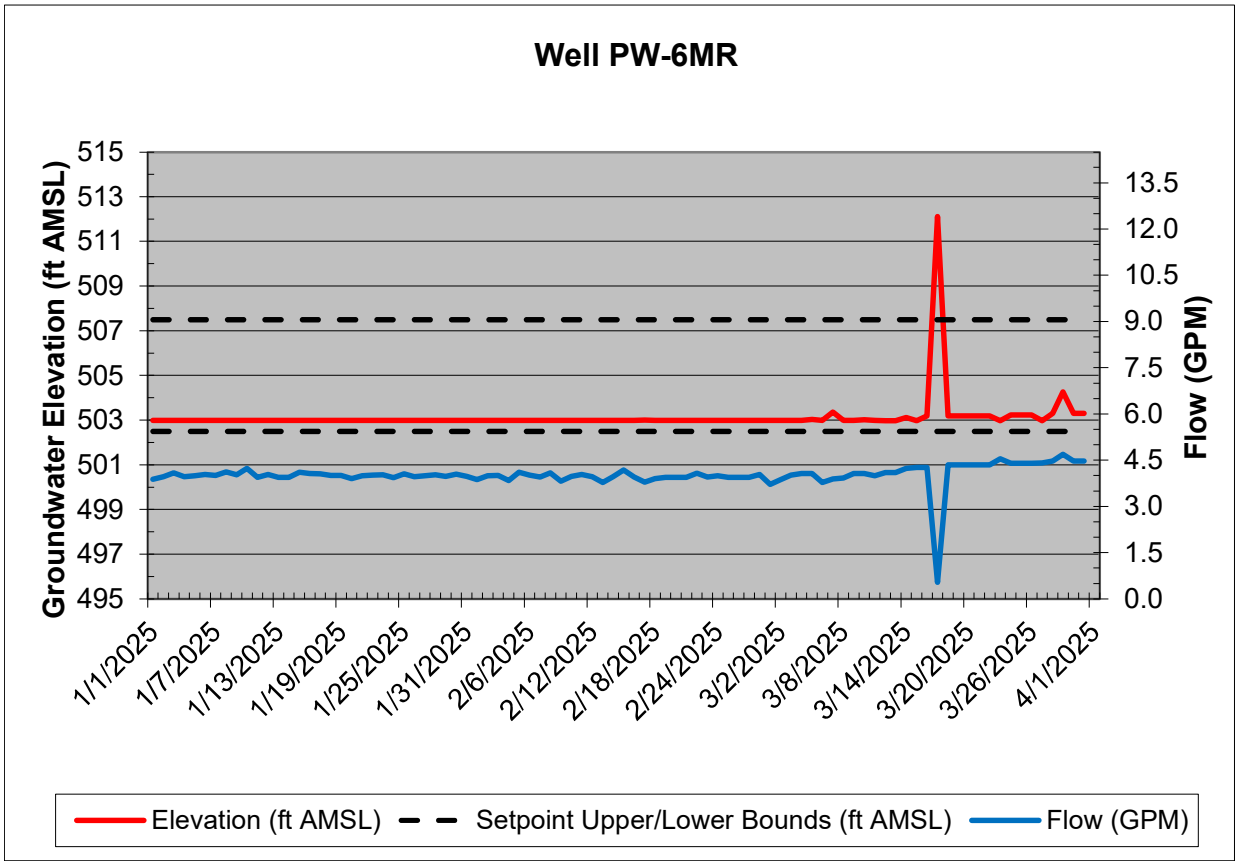
HYDE PARK





FIRST QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK





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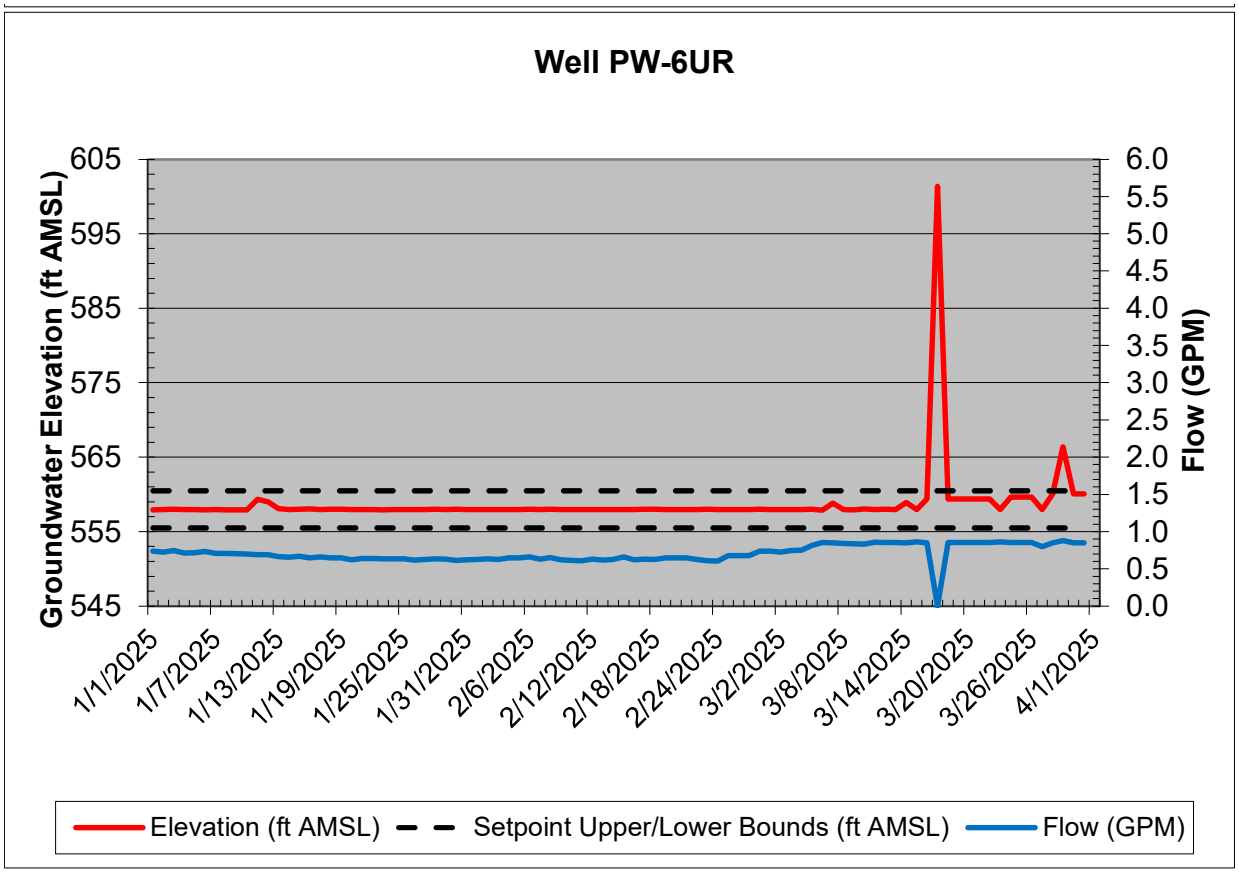
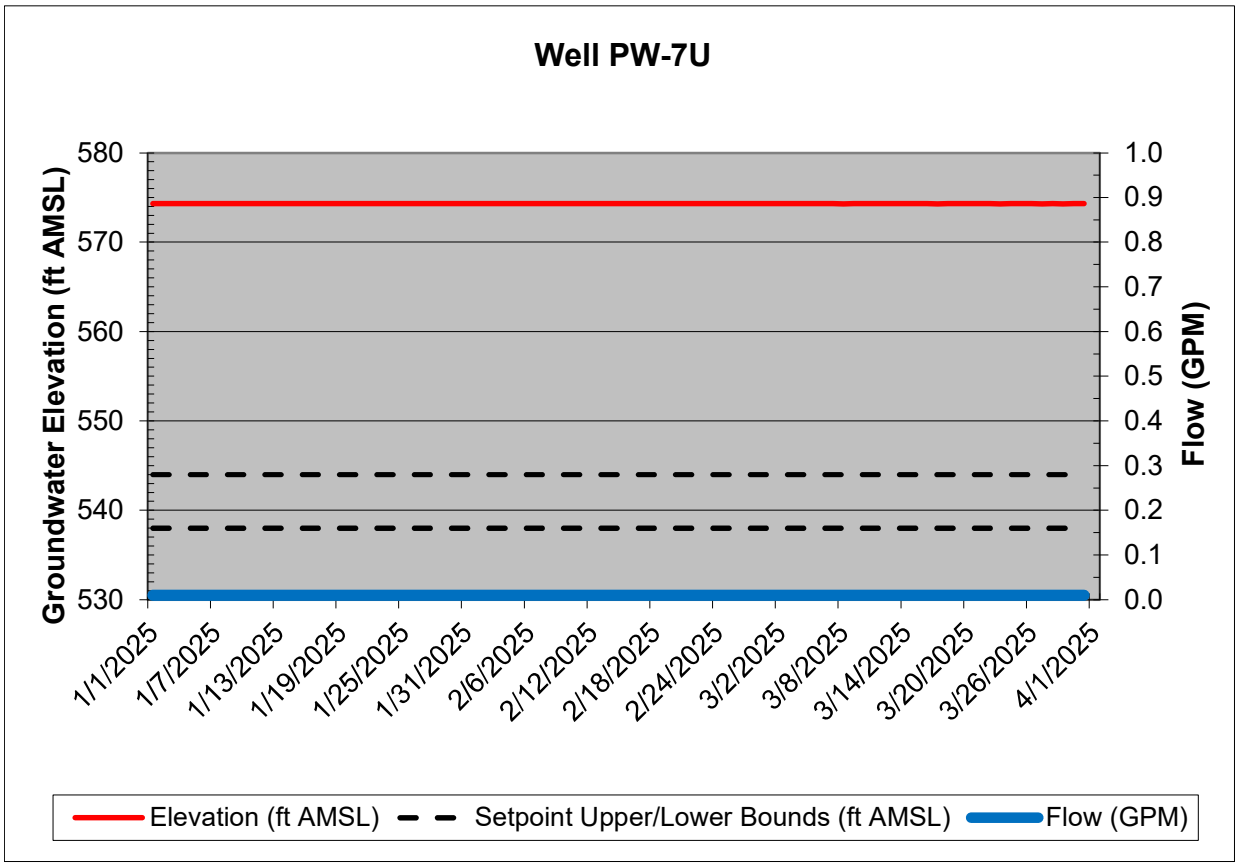
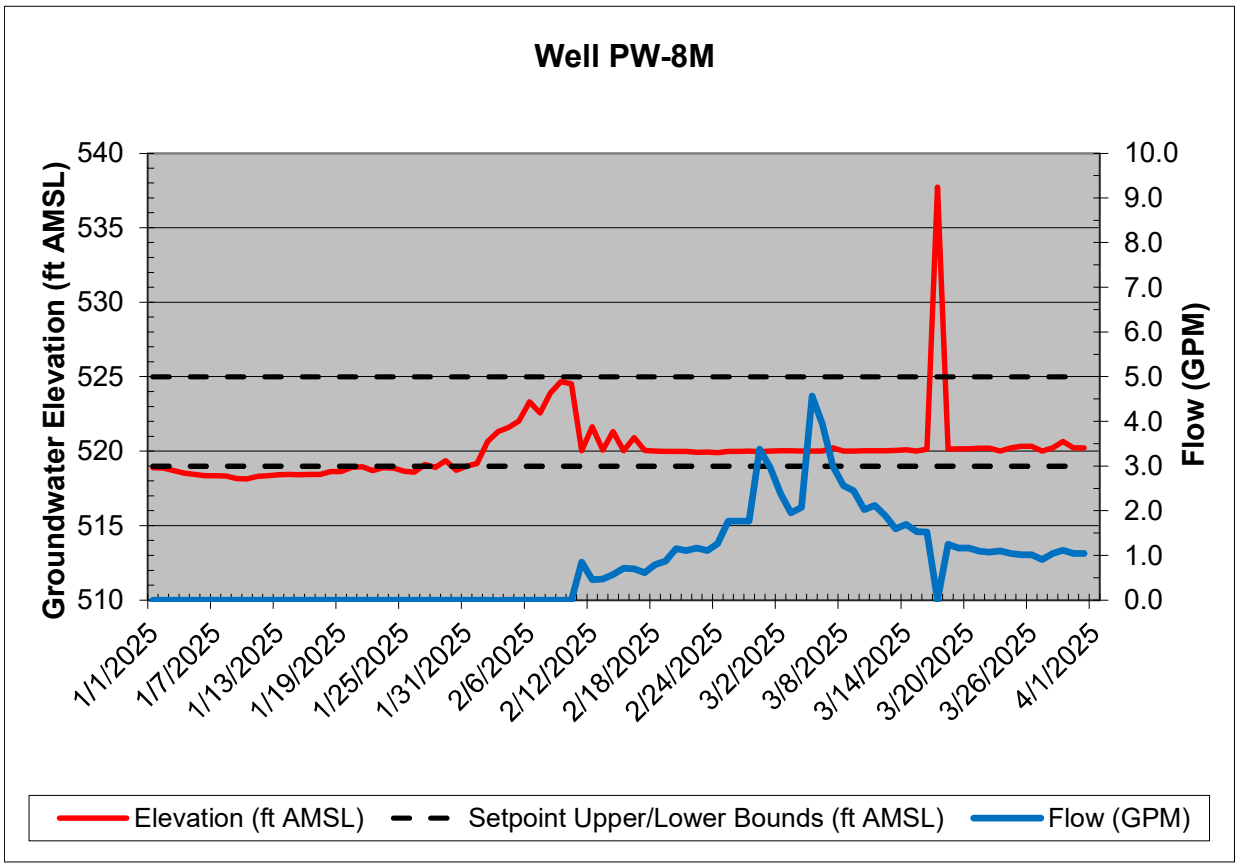
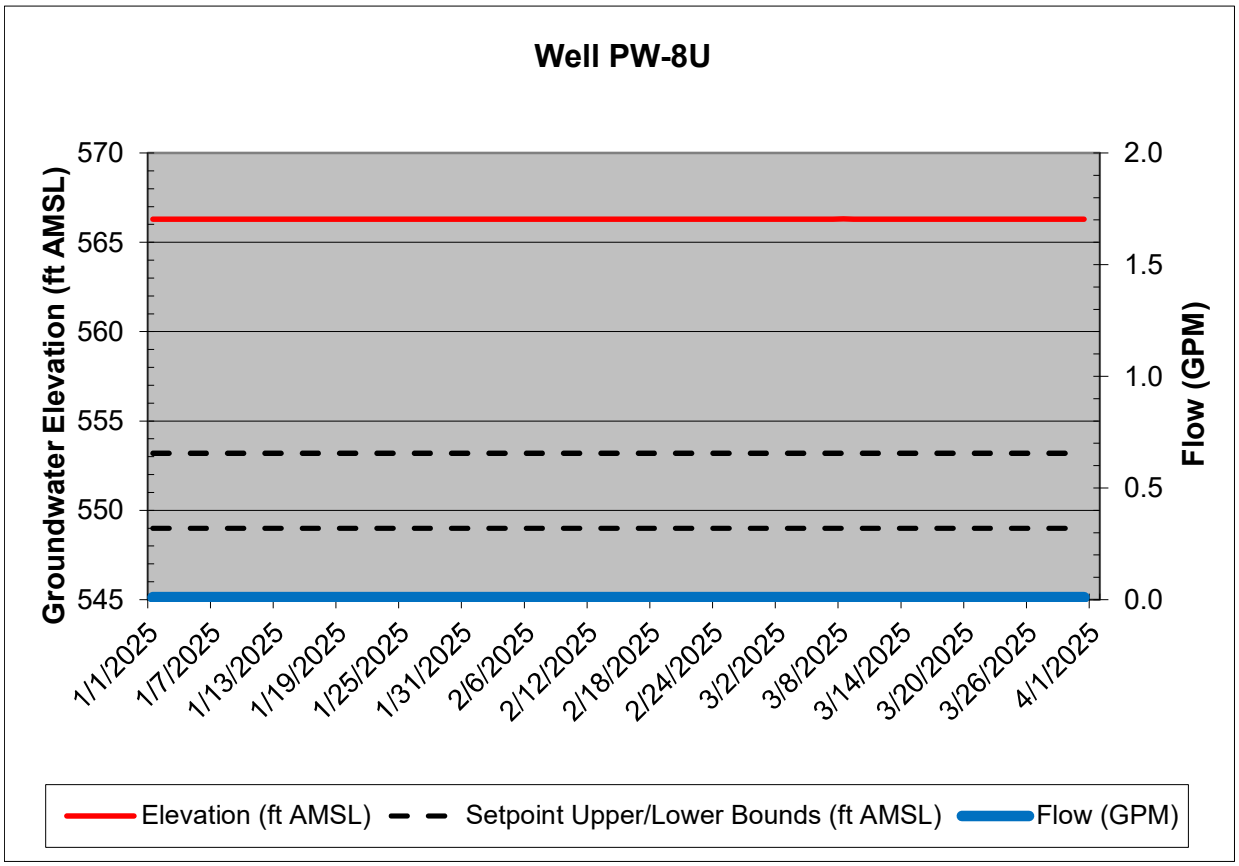


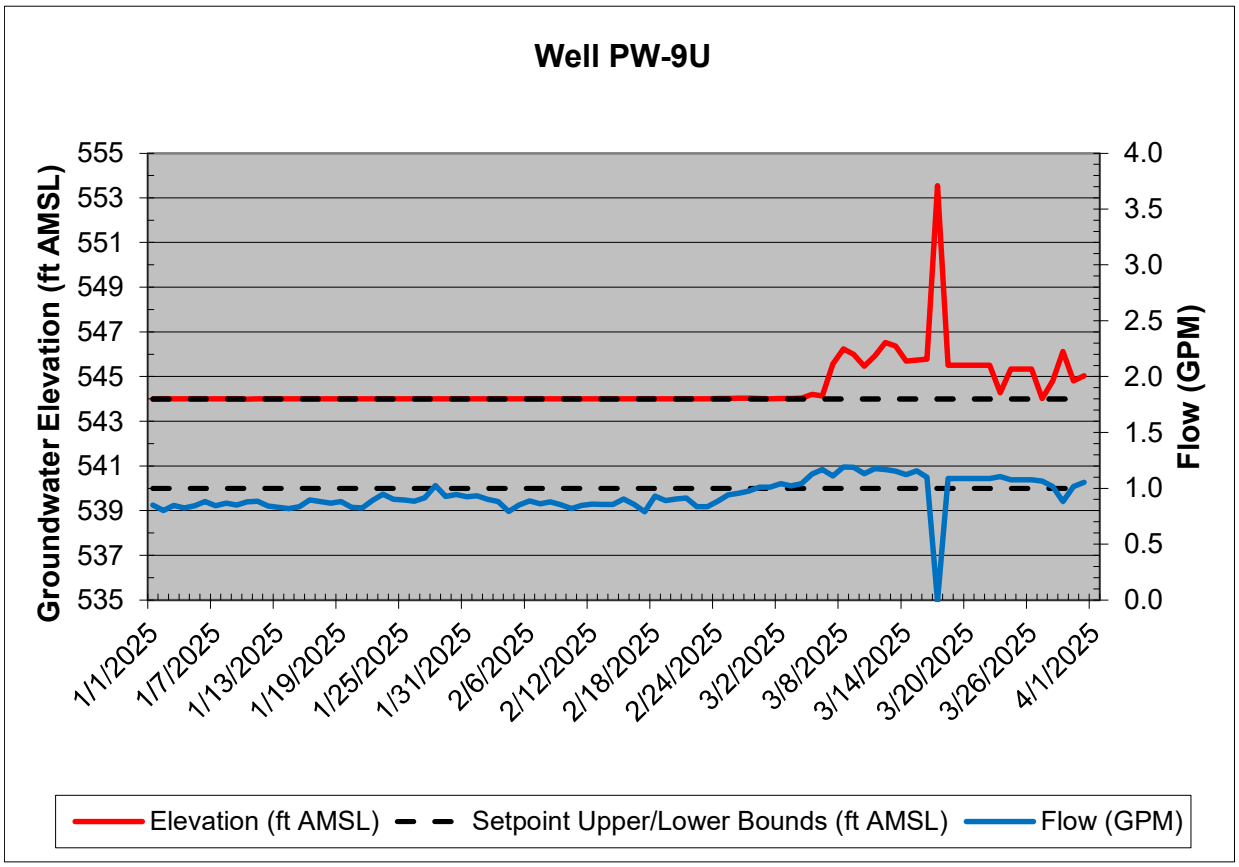


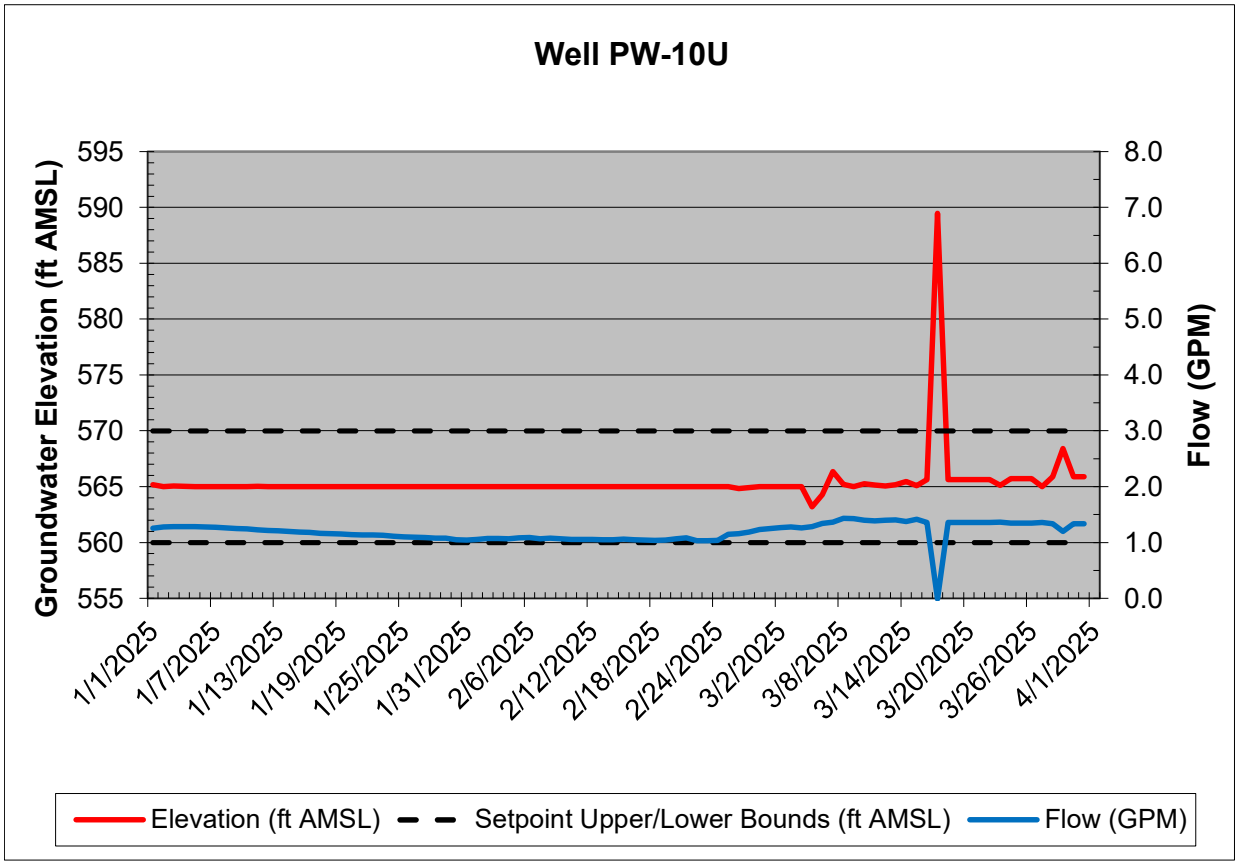
FIRST QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK





FIRST QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK





Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

Joe Branch
Project Manager
Direct Dial (231) 670-6809

7601 Old Channel Trail
Montague, MI 49437

July 31, 2025

Ms. Maeve Wurtz
USEPA Region II
290 Broadway, 20th Floor
New York, New York 10007-1866

Mr. Andrew Zwack
NYSDEC
700 Delaware Avenue
Buffalo, New York 14209

Dear Ms. Wurtz and Mr. Zwack:

Re: Quarterly Operations Report
Second Quarter 2025 Hyde Park Remedial Program
Bedrock and Overburden Monitoring Programs
NYSDEC Site No. 932021

In accordance with the July 2006 *"Performance Monitoring Plan"* (Conestoga Rovers & Associates & Services Environmental, Inc., 2006), this letter presents the Quarterly Operations Report for the Hyde Park Remedial Program for the period April 1, 2025 through June 30, 2025. A total of 3.36 million gallons of aqueous phase liquid (APL) was collected, treated, and discharged in compliance with the Site's City of Niagara Falls Publicly Owned Treatment Works Significant Industrial User Wastewater Discharge Permit #49. The groundwater potentiometric contours during the quarter were consistent with previous interpretations. Flow Zones 6, 7, and 9 have demonstrated dewatered areas between the landfill and the gorge face. The current data continues to support the interpretation of effective hydraulic containment and inward gradients.

The performance monitoring data are presented as follows:

- **Figures 1-9**: Showing the potentiometric surface for the bedrock flow zones and overburden
- **Figure 10**: Showing continuously recorded water levels at flow zone 9 piezometer PMW-1M-09
- **Table 1**: Groundwater elevation summary
- **Tables 2, 3, and 4**: Daily, weekly, and quarterly treatment system effluent monitoring data
- **Attachment A**: Purge well performance graphs indicating daily level and flow information for each pumping well location

The continuously recorded groundwater elevations for the Flow Zone 9 piezometer (PMW-1M-09) for the second quarter 2025 are presented on Figure 10. Groundwater elevations were less than 526 feet above mean sea level (AMSL) through the entire quarter. The data points indicated that the FZ-09 outcrop along the New York Power Authority (NYPA) access road was dewatered and unsaturated throughout the entire quarter.

The pumping wells were operational and functioning as designed during the second quarter 2025 with the exception of the pumps noted for replacement discuss later in this letter.

SET POINT EXCEEDANCES

To re-iterate, the pumping wells were operational and functioning as designed during the second quarter 2025, except for those well awaiting replacement. The pumps are operated to maintain a water level between a typical range of 2.5 feet above (pump on) and 2.5 feet below (pump off) a specific set point in accordance with the set point range defined in the *Operation & Maintenance Manual* (GHD, 2019).

The following section discusses set point exceedances that occurred during the quarterly monitoring period and the associated causes and corrective actions (if necessary).

Well PW-2UR, PW-3L, PW-4U, PW-5UR, PW-7U, PW-8M, and PW-8U

- The water levels at pumping wells PW-2UR, PW-3L, PW-4U, PW-5UR, PW-7U, PW-8M, and PW-8U exceeded the set point for the quarter (April 1 through June 30) awaiting delivery of a new pump, pump motor, and wiring harness. As of the date of this letter, all necessary equipment has been received and GSH's consultant is in the process of scheduling the pump replacements for the month of August.

All Pumping Well Locations, with exceptions – High NAPL Decanter Alarm

- The setpoints for all wells, with the exception of the wells currently down awaiting pump replacement, were exceeded due to a high NAPL alarm on April 2 through 4, May 1 through 5, May 10 through 13, May 15 through 20, and May 27 through May 30, 2025, which interlocked the entire pumping system. The issue was investigated, and it was determined that due to a buildup of NAPL in Decanter 1, a high NAPL alarm was triggered, which interlocked the pumping system and shut down the pumps. In each instance, the alarm was reset and the pumping wells resumed pumping. Since this had been a reoccurring issue, it was further investigated, and a different resolution was identified which resulted in no further system shutdowns due to the Decanter 1 high NAPL alarm. The final resolution was identified on May 30, 2025.

Heavy rain events

- The setpoint for APW-1 was exceeded on May 22, 2025 due to a heavy precipitation event the same day and returned to setpoint May 28, 2025.
- The setpoint for PW-10U was exceeded on June 26, 2025 due to a heavy precipitation event the same day and returned to setpoint the following day, June 27, 2025.

Well PW-2M, PW-3L, PW-9U, and APW-2

- A review of the flow data for these wells indicates that flows have been steadily decreasing over time which could be indicative of either a slowly failing pump/motor/wiring harness or buildup of NAPL/sediment around the pump intake. GSH will continue to investigate and monitor the condition of these wells.

Well APW-1

- The setpoint for APW-1 exceeded setpoint on April 5, 2025 due to a PLC issue/alarm. The alarm was investigated and reset and groundwater elevations returned to setpoint on April 11, 2025.
- The setpoint for APW-1 exceeded setpoint on April 18, 2025 due to a PLC fault. The fault was investigated and resolved. Groundwater elevations returned to setpoint on April 23, 2025.

Well PW-6MR and PW-6UR

- At PW-6MR, from May 18 through May 28, the pump was down while an issue with PW-6UR was investigated and diagnosed. Controllers for both PW-6UR and PW-6MR are located in the same control box. Once the issue with PW-6UR was identified, the PW-6MR was turned on and groundwater elevations returned to setpoint on May 31, 2025.
- At PW-6UR, a failed flow and water level sensor caused the pump to shut down on May 6 and has remained down. GSH is currently awaiting delivery of replacement parts. It is anticipated the repairs will occur in August.

Well PW-1U, PW-1L, PW-2L, PW—4U and PW-6MR

- The setpoints for PW-1U, PW-1L, PW-2L, PW-4U, and PW-6MR were exceeded on June 18 and 19, 2025 due to a collection tank sump alarm. The issue was investigated and the alarm reset. Groundwater levels in the wells returned to setpoint the following day (June 20, 2025).

If you have any questions, please feel free to contact me at 231-670-6809 or by email at joseph_branch@oxy.com.
Very truly yours,

GLENN SPRINGS HOLDINGS, INC.

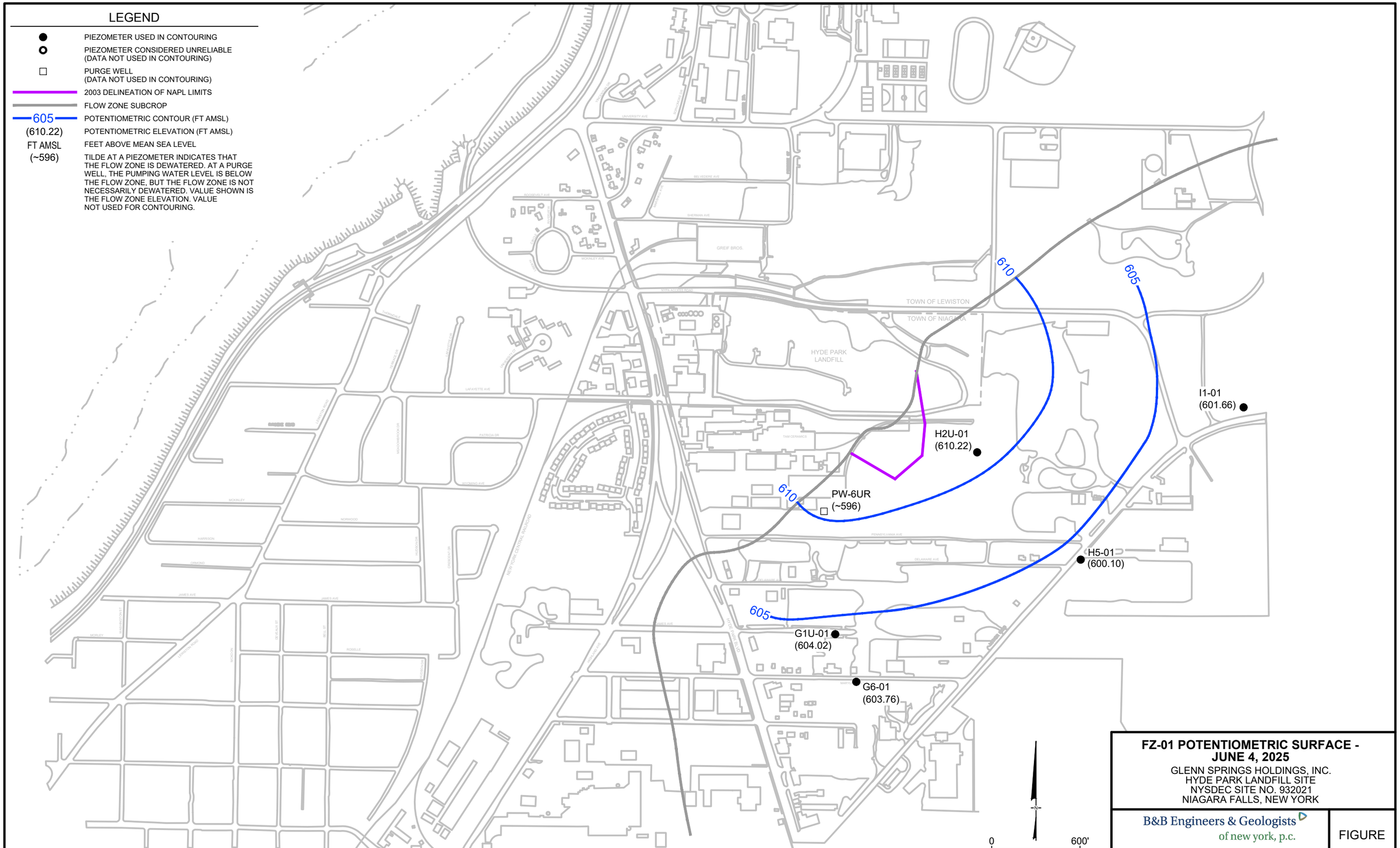
Joseph Branch
Project Manager
231-670-6809 Cell

Encl.

cc: B. McPherson, NYSDEC
J. Robinson, NYSDOH
C. Babcock, GSH
T. Bathory, GSH
D. Hoyt, B&B Engineers & Geologists of NY, PC.
I. Richardson, B&B Engineers & Geologists of NY, PC.

LEGEND

- ● PIEZOMETER USED IN CONTOURING
- ◎ PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- □ PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- FLOW ZONE SUBCROP
- 605 POTENTIOMETRIC CONTOUR (FT AMSL)
- (610.22) POTENTIOMETRIC ELEVATION (FT AMSL)
- FT AMSL FEET ABOVE MEAN SEA LEVEL
- (~596) TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.



FZ-01 POTENTIOMETRIC SURFACE - JUNE 4, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

PROJECT NO: TR1045 | JULY 2025 | FIGURE 1

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&MPROJECT FILES\CADD\05_HYDE PARK\RPT39-2025 Q2\DWGS\SHEETS\TR1045.05 RPT39-2025 Q2-FZ-01 - MJerome 7/18/25

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- FLOW ZONE SUBCROP
- 585 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (586.69) FT AMSL (~578) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FEET ABOVE MEAN SEA LEVEL
- TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.

J6-02 (595.59)
J2U-02 (596.16)
J5U-02 (596.53)
I1-02 (590.00)
PW-4U (~578)
H2U-02 (595.01)
PW-5UR (596.50)
PW-6UR (~575)
F4U-02 (586.69)
H5-02 (594.76)
F2U-02 (575.89)
G1-02 (592.18)
G6-02 (591.74)

595
590
585
580

HYDE PARK LANDFILL
TOWN OF LEWISTON
TOWN OF NIAGARA
GREIF BROS.
NEW YORK CENTRAL RAILROAD

0 600'
SCALE IN FEET

FZ-02 POTENTIOMETRIC SURFACE - JUNE 4, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

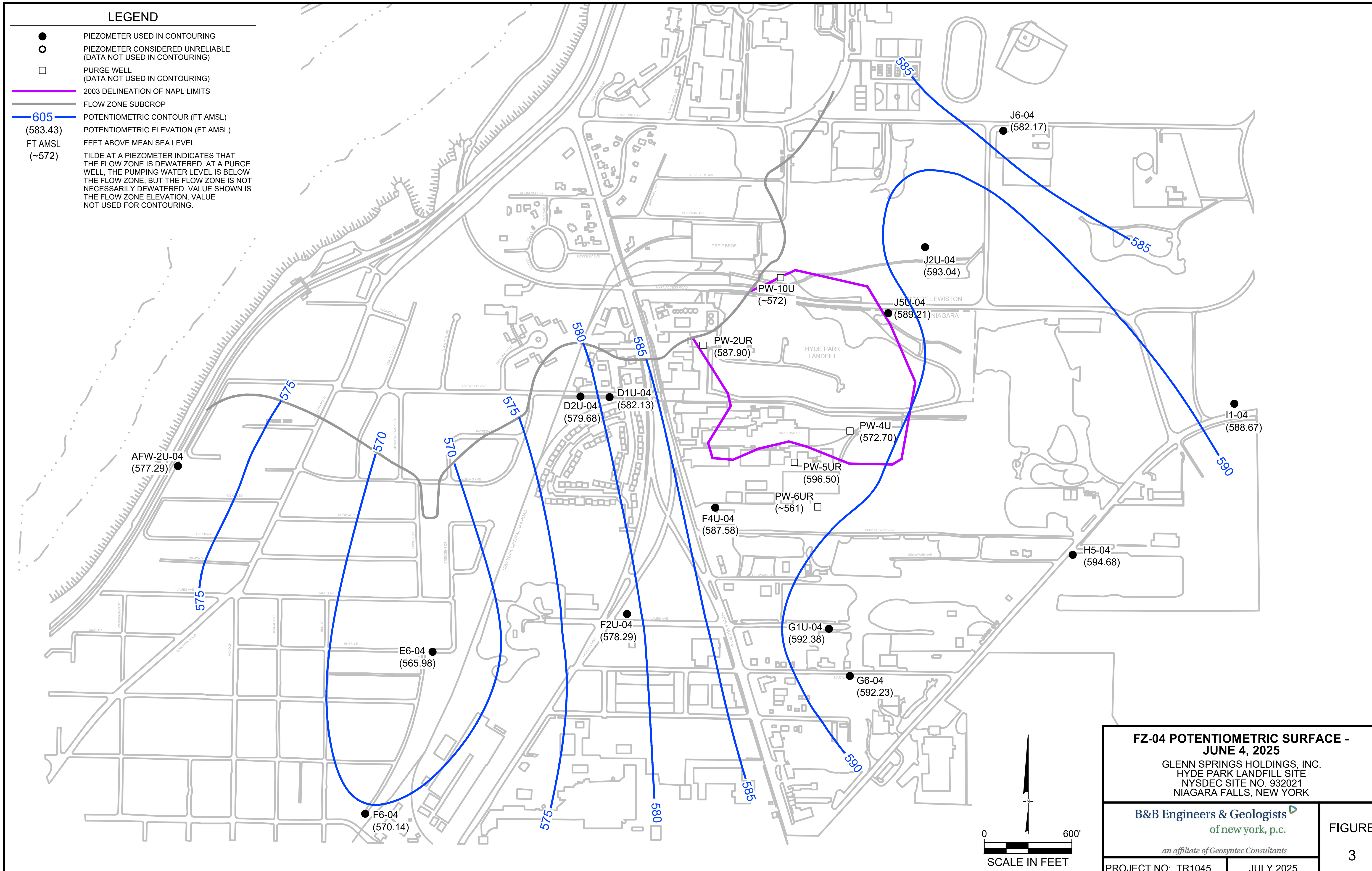
B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 2

PROJECT NO: TR1045 | JULY 2025

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT39-2025 Q2\DWGS\SHEETS\TR1045.05 RPT39-2025 Q2-FZ-02 - Jon.Hillman 7/30/25



LEGEND
PIEZOMETER USED IN CONTOURING
PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
PURGE WELL (DATA NOT USED IN CONTOURING)
2003 DELINEATION OF NAPL LIMITS
FLOW ZONE SUBCROP
605 POTENTIOMETRIC CONTOUR (FT AMSL)
(583.43) POTENTIOMETRIC ELEVATION (FT AMSL)
FT AMSL FEET ABOVE MEAN SEA LEVEL
(~572) TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.
J6-04 (582.17)
J2U-04 (593.04)
J5U-04 (589.21)
PW-10U (~572)
PW-2UR (587.90)
HYDE PARK LANDFILL
D1U-04 (582.13)
D2U-04 (579.68)
PW-4U (572.70)
PW-5UR (596.50)
PW-6UR (~561)
F4U-04 (587.58)
AFW-2U-04 (577.29)
I1-04 (588.67)
H5-04 (594.68)
F2U-04 (578.29)
G1U-04 (592.38)
G6-04 (592.23)
E6-04 (565.98)
F6-04 (570.14)
575
570
580
585
590
0
600'
SCALE IN FEET
N

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT39-2025 Q2\DWGS\SHEETS\TR1045.05 RPT39-2025 Q2-FZ-04 - Jon.Hillman 7/30/25

FZ-04 POTENTIOMETRIC SURFACE - JUNE 4, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

PROJECT NO: TR1045	JULY 2025	FIGURE 3

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- FLOW ZONE SUBCROP
- 585 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (586.26) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FT AMSL — FEET ABOVE MEAN SEA LEVEL
- (~556) — TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.

AGW-1U-05 (586.26)
J6-05 (580.88)
J2U-05 (582.10)
PW-1U (~564)
PW-10U (565.20)
J5U-05 (582.10)
PMW-1U-05 (583.15)
PW-2UR (587.90)
D2U-05 (581.25)
D1U-05 (582.02)
PW-3M (~556)
I1-05 (554.33)
PW-4U (572.70)
PW-5UR (596.50)
H2M-05 (594.02)
F4U-05 (586.25)
PW-6UR (557.80)
H5-05 (593.92)
AFW-2U-05 (577.29)
F2U-05 (578.66)
E6-05 (566.05)
G6-05 (591.84)
F6-05 (570.03)

585, 580, 575, 570, 565, 560, 555, 590

HYDE PARK LANDFILL

0 600'
SCALE IN FEET

FZ-05 POTENTIOMETRIC SURFACE - JUNE 4, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 4

PROJECT NO: TR1045 | JULY 2025

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACCIACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT39-2025 Q2\DWGS\SHEETS\TR1045.05 RPT39-2025 Q2-FZ-05 - Jon.Hillman 7/31/25

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- FLOW ZONE SUBCROP
- DEWATERED AREA OF FLOW ZONE
- 555 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (556.59) FT AMSL (~554) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FEET ABOVE MEAN SEA LEVEL
- TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.

AFW-1U-06 (556.59)
AFW-2U-06 (~548)
ABP-7-06 (~554)
C3-06 (~551)
E6-06 (571.78)
F6-06 (571.7)
B2U-06 (554.50)
AGW-1U-06 (553.53)
PW-9U (~548)
PW-10U (565.20)
PW-8U (566.30)
PW-8M (~547)
PW-7U (574.30)
PW-1U (549.10)
PMW-1U-06 (549.10)
D2U-06 (549.51)
D1U-06 (548.94)
PW-2M (~543)
PW-3M (~540)
F4M-06 (552.16)
PW-6UMR (~534)
F2M-06 (545.74)
G1M-06 (571.76)
G6-06 (572.66)
J6-06 (556.00)
J2M-06 (552.94)
J5M-06 (548.91)
I1-06 (551.42)
H2M-06 (585.37)
H5-06 (589.55)

555 560 565 570 550 575 580 585

TOWN OF LEWISTON
TOWN OF NIAGARA
LOVE PARK LANDFILL

0 600'
SCALE IN FEET

FZ-06 POTENTIOMETRIC SURFACE - JUNE 4, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

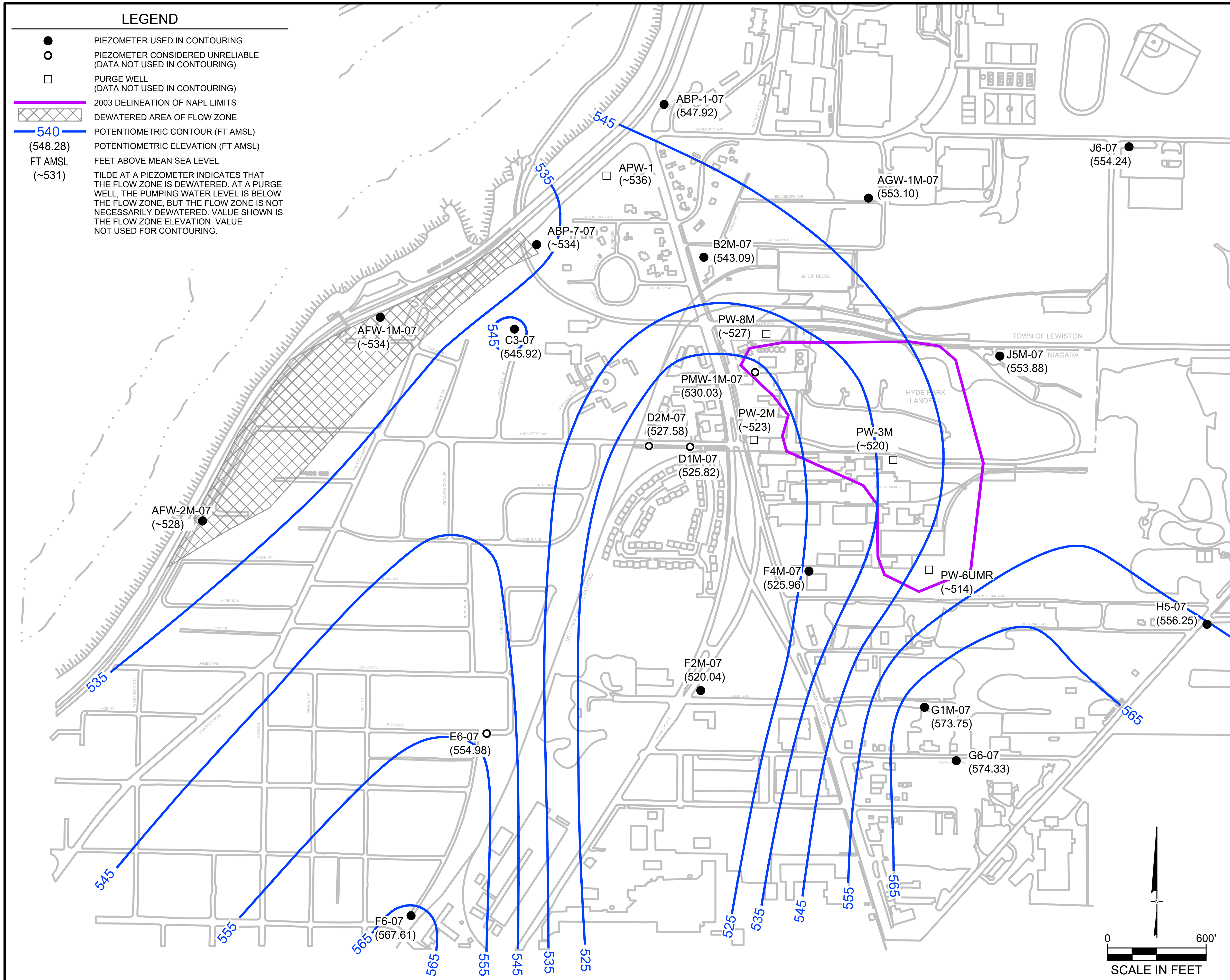
B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 5

PROJECT NO: TR1045 | JULY 2025

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT39-2025 Q2\DWGS\SHEETS\TR1045.05 RPT39-2025 Q2-FZ-06 - Jon.Hillman 7/31/25


LEGEND
PIEZOMETER USED IN CONTOURING
PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
PURGE WELL (DATA NOT USED IN CONTOURING)
2003 DELINEATION OF NAPL LIMITS
DEWATERED AREA OF FLOW ZONE
540 POTENTIOMETRIC CONTOUR (FT AMSL)
(548.28) POTENTIOMETRIC ELEVATION (FT AMSL)
FT AMSL FEET ABOVE MEAN SEA LEVEL
(~531) TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.
ABP-1-07 (547.92)
APW-1 (~536)
ABP-7-07 (~534)
B2M-07 (543.09)
AGW-1M-07 (553.10)
J6-07 (554.24)
AFW-1M-07 (~534)
C3-07 (545.92)
PW-8M (~527)
PMW-1M-07 (530.03)
J5M-07 (553.88)
TOWN OF LEWISTON
NIAGARA
HYDE PARK LANDFILL
D2M-07 (527.58)
PW-2M (~523)
D1M-07 (525.82)
PW-3M (~520)
I1-07 (549.44)
AFW-2M-07 (~528)
F4M-07 (525.96)
PW-6UMR (~514)
H5-07 (556.25)
F2M-07 (520.04)
G1M-07 (573.75)
G6-07 (574.33)
E6-07 (554.98)
F6-07 (567.61)
545
535
525
555
565
0 600'
SCALE IN FEET

FZ-07 POTENTIOMETRIC SURFACE - JUNE 4, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 6

PROJECT NO: TR1045 | JULY 2025

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT39-2025 Q2\DWGS\SHEETS\TR1045.05 RPT39-2025 Q2-FZ-07 - Stephen.Beveridge 7/31/25

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- DEWATERED AREA OF FLOW ZONE
- 535 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (534.80) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FT AMSL — FEET ABOVE MEAN SEA LEVEL
- (~528) — TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.
- * — VALUE ANOMALOUS, FROM HISTORICAL READINGS; NOT USED FOR CONTOURING.

ABP-1-09 (535.29)
APW-1 (~528)
APW-2 (~527)
ABP-7-09 (534.80)
B2M-09 (543.14) *
AGW-1M-09 (552.82)
J6-09 (564.65)
J2M-09 (553.33)
AFW-1M-09 (525.47)
C3-09 (543.76)
PW-1L (~519)
PW-8M (519.50)
J5M-09 (553.50)
PMW-1M-09 (519.50)
D1M-09 (523.14)
D2M-09 (519.39)
PW-2M (518.30)
PW-3M (519.40)
I1-09 (564.23)
AFW-2M-09 (521.43)
H2M-09 (550.56)
F4M-09 (519.15)
PW-5UMR (~506)
H5-09 (548.95)
F2M-09 (519.13)
G1M-09 (574.19)
E6-09 (553.10)
G6-09 (574.56)
F6-09 (570.48)

TOWN OF LEWISTON
NIAGARA
HYDE PARK LANDFILL

0 600'
SCALE IN FEET

FZ-09 POTENTIOMETRIC SURFACE - JUNE 4, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 7

PROJECT NO: TR1045 | JULY 2025

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT39-2025 Q2\DWGS\SHEETS\TR1045.05 RPT39-2025 Q2-FZ-09 - Stephen.Beveridge 7/18/25

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- 515 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (523.60) FT AMSL — POTENTIOMETRIC ELEVATION (FT AMSL); FEET ABOVE MEAN SEA LEVEL

APW-1 (508.70)
APW-2 (523.60)
AGW-1L-11 (587.13)
B2L-11 (497.94)
AFW-1L-11 (508.71)
PW-1L (497.20)
PMW-1L-11 (513.99)
PW-2L (495.30)
D2L-11 (524.03)
D1L-11 (502.01)
J6-11 (585.08)
J5L-11 (546.82)
I1-11 (547.68)
PW-3L (522.20)
H2L-11 (553.91)
AFW-2L-11 (497.29)
F4L-11 (573.85)
H5-11 (543.97)
F2L-11 (555.65)
G1L-11 (555.21)
E6-11 (532.35)
G6-11 (557.99)
F6-11 (527.82)

TOWN OF LEWISTON
NIAGARA
HYDE PARK LANDFILL

0 600'
SCALE IN FEET

FZ-11 POTENTIOMETRIC SURFACE - JUNE 4, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 8

PROJECT NO: TR1045 | JULY 2025

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACCIACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT39-2025 Q2\DWGS\SHEETS\TR1045.05 RPT39-2025 Q2-FZ-11 - Stephen.Beveridge 7/31/25

LEGEND

- WELL USED IN CONTOURING
- WELL CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- OBCWS WET WELLS PUMPED FOR RECOVERY. POSTED LEVELS INDICATE THE PUMPING SETPOINTS. SETPOINT LEVELS WERE USED FOR CONTOURING.
- EXISTING BARRIER COLLECTION SYSTEM
- OVERBURDEN BARRIER COLLECTION SYSTEM
- 585 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (575.31) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FT AMSL — FEET ABOVE MEAN SEA LEVEL
- (DRY) — WELL DRY AT THE TIME OF MEASUREMENT
- (sp. 583.00) — SETPOINT LEVEL
- (SURCHARGED) — WELL SURCHARGED AT THE TIME OF MEASUREMENT

CMW-1OB (573.34)
CMW-2OB (588.39)
CMW-3OB (575.31)
CMW-4OB (574.24)
CMW-5OB (583.41)
CMW-6OB (571.76)
CMW-7OB (DRY)
CMW-8OB (DRY)
CMW-9OB (DRY)
CMW-11OB (569.15)
CMW-12OB (583.69)
OMW-1 (598.73)
OMW-2 (601.92)
OMW-3 (589.75)
OMW-4R (590.03)
OMW-5R (587.79)
OMW-6 (585.69)
OMW-7 (586.32)
OMW-8R2 (587.72)
OMW-9 (588.45)
OMW-10R (588.60)
OMW-11R (592.15)
OMW-12R (593.12)
OMW-13R (593.99)
OMW-14R (595.96)
OMW-15 (602.95)
OMW-16R (603.28)
WW-C (sp. 583.00)
WW-D (sp. 580.00)

575 580 585 590 595 600

TOWN OF LEWISTON
NIAGARA
HYDE PARK LANDFILL

0 600'
SCALE IN FEET

OVERBURDEN POTENTIOMETRIC SURFACE - JUNE 4, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

PROJECT NO: TR1045 | JULY 2025 | FIGURE 9

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT39-2025 Q2\DWGS\SHEETS\TR1045.05 RPT39-2025 Q2-OB - Stephen.Beveridge 7/31/25

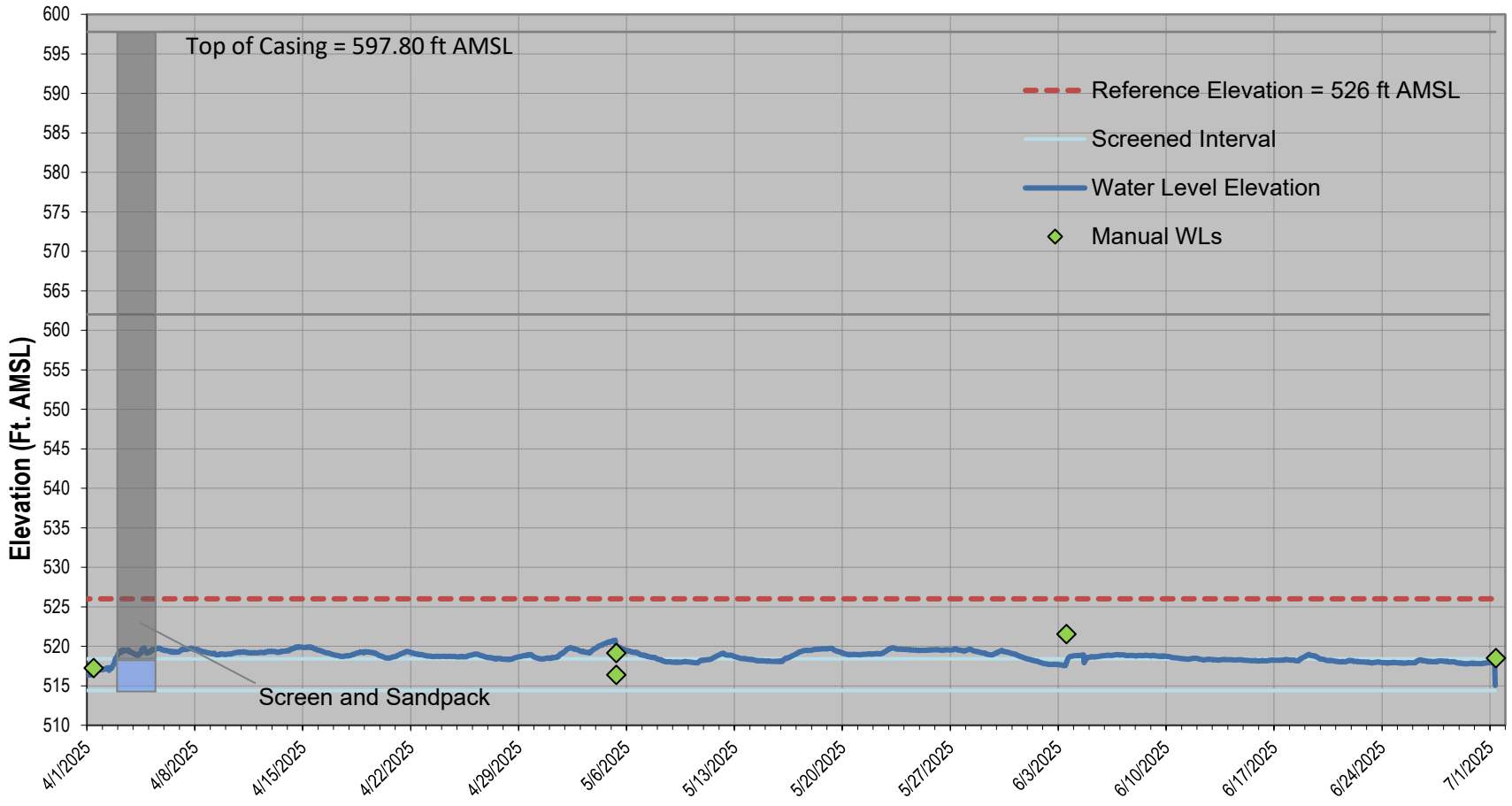


figure 10

PMW-1M-09 2nd Quarter 2025 - Hourly Water Level Elevation
2nd Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.

Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

Table 1

Groundwater Elevation Summary
Second Quarter - 2025
Hyde Park RRT Program

Hydraulic Monitoring Completed 04 June 2025

Well	Reference Elevation (ft AMSL)	Depth to Water (BTOR)(ft)	Groundwater Elevation (ft AMSL)
Overburden			
CMW-2OB	590.79	2.40	588.39
CMW-3OB	582.13	6.82	575.31
CMW-4OB	574.28	0.04	574.24
CMW-5OB	583.43	0.02	583.41
CMW-6OB	571.89	0.13	571.76
CMW-7OB	611.00	Dry @ 4.85	< 606.15
CMW-8OB	616.11	Dry @ 3.28	< 612.83
CMW-9OB	571.76	Dry @ 2.65	< 569.11
CMW-1OB	576.80	3.46	573.34
CMW-11OB	572.85	3.70	569.15
CMW-12OB	594.74	11.05	583.69
MH20	605.87	4.71	601.16
MH21	599.77	6.11	593.66
MH22	593.37	Dry @ 7.25	< 586.12
MH23	587.05	9.69	577.36
MH24	582.57	3.04	579.53
MH25	583.82	2.67	581.15
MH26	584.48	4.21	580.27
MH27	586.12	7.45	578.67
MH28	585.23	7.32	577.91
MH29	604.58	9.43	595.15
MH30	599.49	9.27	590.22
MH31	590.10	9.64	580.46
MH32	592.01	9.70	582.31
MH33	592.51	8.78	583.73
MH34	598.34	7.22	591.12
MH35	605.69	6.63	599.06
MH35A	605.69	7.23	598.46
OMW-1	605.28	6.55	598.73
OMW-2	605.99	4.07	601.92
OMW-3	598.63	8.88	589.75
OMW-4R	601.17	11.14	590.03
OMW-5R	591.31	3.52	587.79
OMW-6	587.62	1.93	585.69
OMW-7	592.74	6.42	586.32
OMW-8R2	594.67	6.95	587.72
OMW-9	595.27	6.82	588.45
OMW-10R	595.13	6.53	588.60
OMW-11R	597.52	5.37	592.15
OMW-12R	596.71	4.08	593.12
OMW-13R	601.50	7.51	593.99
OMW-14R	599.64	3.68	595.96
OMW-15	607.48	4.53	602.95
OMW-16R	607.62	4.34	603.28
SC-2	625.61	22.22	603.39
SC-3	638.72	39.98	598.74
SC-4	639.35	39.47	599.88
SC-5	634.07	31.70	602.37
SC-6	631.15	22.41	608.74

Notes:

BTOR	-Below Top Of Riser
-	- Not applicable
ft AMSL	- Feet above mean sea level
Surcharged	- Well surcharged at the time of measurement
Dry	- No water present at the time of the measurement; measurement is bottom of well
Inaccessible	- Well inaccessible due to non-operating car parked on well

Table 1

Groundwater Elevation Summary
Second Quarter - 2025
Hyde Park RRT Program

Hydraulic Monitoring Completed 04 June 2025

Well	Reference Elevation (ft AMSL)	Depth to Water (BTOR)(ft)	Groundwater Elevation (ft AMSL)
Shallow Bedrock			
CMW-1SH	576.11	12.19	563.92
CMW-2SH	590.51	16.48	574.03
CMW-3SH	581.91	27.43	554.48
CMW-4SH	574.16	6.95	567.21
CMW-5SH	583.36	6.30	577.06
CMW-6SH	572.05	10.08	561.97
CMW-7SH	610.58	11.61	598.97
CMW-8SH	615.95	6.09	609.86
CMW-9SH	571.96	11.99	559.97
CMW-11SH	573.21	8.24	564.97
CMW-12SH	597.02	20.23	576.79
Flow Zone 1			
G1U-01	617.08	13.06	604.02
G6-01	609.24	5.48	603.76
H2U-01	620.92	10.70	610.22
H5-01	617.61	17.51	600.10
I1-01	625.58	23.92	601.66
Flow Zone 2			
F2U-02	599.89	24.00	575.89
F4U-02	602.32	15.63	586.69
G1-02	616.86	24.68	592.18
G6-02	608.65	16.91	591.74
H2U-02	620.88	25.87	595.01
H5-02	617.47	22.71	594.76
I1-02	625.47	35.47	590.00
J2U-02	609.66	13.50	596.16
J5U-02	606.21	9.68	596.53
J6-02	609.23	13.64	595.59
Flow Zone 4			
AFW-2U-04	593.48	16.19	577.29
D1U-04	593.77	11.64	582.13
D2U-04	590.65	10.97	579.68
E6-04	578.23	12.25	565.98
F2U-04	599.76	21.47	578.29
F4U-04	602.19	14.61	587.58
F6-04	588.06	17.92	570.14
G1U-04	616.96	24.58	592.38
G6-04	609.15	16.92	592.23
H5-04	617.40	22.72	594.68
I1-04	625.30	36.63	588.67
J2U-04	609.42	16.38	593.04
J5U-04	606.05	16.84	589.21
J6-04	609.12	26.95	582.17

Notes:

BTOR	-Below Top Of Riser
-	- Not applicable
ft AMSL	- Feet above mean sea level
Surcharged	- Well surcharged at the time of measurement
Dry	- No water present at the time of the measurement; measurement is bottom of well
Inaccessible	- Well inaccessible due to non-operating car parked on well

Table 1

Groundwater Elevation Summary
Second Quarter - 2025
Hyde Park RRT Program

Hydraulic Monitoring Completed 04 June 2025

Well	Reference Elevation (ft AMSL)	Depth to Water (BTOR)(ft)	Groundwater Elevation (ft AMSL)
Flow Zone 5			
AFW-2U-05	593.33	16.04	577.29
AGW-1U-05	591.80	5.54	586.26
D1U-05	593.51	11.49	582.02
D2U-05	590.56	9.31	581.25
E6-05	578.04	11.99	566.05
F2U-05	599.64	20.98	578.66
F4U-05	602.06	15.81	586.25
F6-05	587.85	17.82	570.03
G6-05	609.13	17.29	591.84
H2M-05	621.59	27.57	594.02
H5-05	617.31	23.39	593.92
I1-05	625.25	70.92	554.33
J2U-05	609.30	27.20	582.10
J5U-05	605.87	23.77	582.10
J6-05	609.02	28.14	580.88
PMW-1U-05	598.00	14.85	583.15
Flow Zone 6			
ABP-7-06	575.78	Dry @ 21.80	< 553.9
AFW-1U-06	571.83	15.24	556.59
AFW-2U-06	593.22	48.07	545.15
AGW-1U-06	591.66	38.13	553.53
B2U-06	589.29	34.79	554.50
C3-06	585.78	37.40	548.38
D1U-06	593.25	44.31	548.94
D2U-06	590.38	40.87	549.51
E6-06	577.99	6.21	571.78
F2M-06	599.06	53.32	545.74
F4M-06	602.05	49.89	552.16
F6-06	587.84	16.14	571.70
G1M-06	616.75	44.99	571.76
G6-06	609.09	36.43	572.66
H2M-06	621.42	36.05	585.37
H5-06	617.17	27.62	589.55
I1-06	625.15	73.73	551.42
J2M-06	608.94	56.00	552.94
J5M-06	606.22	57.31	548.91
J6-06	608.93	52.93	556.00
PMW-1U-06	597.92	48.82	549.10

Notes:

BTOR	-Below Top Of Riser
-	- Not applicable
ft AMSL	- Feet above mean sea level
Surcharged	- Well surcharged at the time of measurement
Dry	- No water present at the time of the measurement; measurement is bottom of well
Inaccessible	- Well inaccessible due to non-operating car parked on well

Table 1

Groundwater Elevation Summary
Second Quarter - 2025
Hyde Park RRT Program

Hydraulic Monitoring Completed 04 June 2025

Well	Reference Elevation (ft AMSL)	Depth to Water (BTOR)(ft)	Groundwater Elevation (ft AMSL)
Flow Zone 7			
ABP-1-07	575.20	28.52	547.92
ABP-7-07	575.73	42.07	533.66
AFW-1M-07	571.41	Dry @ 38.70	< 532.71
AFW-2M-07	593.44	66.75	526.69
AGW-1M-07	592.91	39.81	553.10
B2M-07	589.52	46.43	543.09
C3-07	585.62	39.70	545.92
D1M-07	594.15	68.33	525.82
D2M-07	590.77	63.19	527.58
E6-07	577.91	22.93	554.98
F2M-07	598.91	78.87	520.04
F4M-07	601.91	75.95	525.96
F6-07	587.68	20.07	567.61
G1M-07	616.68	42.93	573.75
G6-07	609.06	34.73	574.33
H5-07	617.05	60.80	556.25
I1-07	625.14	75.70	549.44
J5M-07	606.07	52.19	553.88
J6-07	608.85	54.61	554.24
PMW-1M-07	598.50	68.47	530.03
Flow Zone 9			
ABP-1-09	575.19	40.20	535.29
ABP-7-09	575.67	40.87	534.80
AFW-1M-09	571.12	45.65	525.47
AFW-2M-09	593.32	71.89	521.43
AGW-1M-09	592.75	39.93	552.82
B2M-09	589.34	46.20	543.14
C3-09	585.00	41.24	543.76
D1M-09	594.02	70.88	523.14
D2M-09	590.66	71.27	519.39
E6-09	577.82	24.72	553.10
F2M-09	598.71	79.58	519.13
F4M-09	601.79	82.64	519.15
F6-09	587.53	17.05	570.48
G1M-09	616.58	42.39	574.19
G6-09	608.98	34.42	574.56
H2M-09	621.32	70.76	550.56
H5-09	616.93	67.98	548.95
I1-09	624.91	60.68	564.23
J2M-09	608.77	55.44	553.33
J5M-09	605.82	52.32	553.50
J6-09	608.76	44.11	564.65
PMW-1M-09	598.34	78.84	519.50

Notes:

BTOR	-Below Top Of Riser
-	- Not applicable
ft AMSL	- Feet above mean sea level
Surcharged	- Well surcharged at the time of measurement
Dry	- No water present at the time of the measurement; measurement is bottom of well
Inaccessible	- Well inaccessible due to non-operating car parked on well

Table 1

Groundwater Elevation Summary
Second Quarter - 2025
Hyde Park RRT Program

Hydraulic Monitoring Completed 04 June 2025

Well	Reference Elevation (ft AMSL)	Depth to Water (BTOR)(ft)	Groundwater Elevation (ft AMSL)
Flow Zone 11			
AFW-1L-11	572.10	63.39	508.71
AFW-2L-11	593.43	96.14	497.29
AGW-1L-11	592.71	5.58	587.13
B2L-11	589.65	91.71	497.94
D1L-11	593.80	91.79	502.01
D2L-11	590.21	66.18	524.03
E6-11	577.72	45.37	532.35
F2L-11	598.94	43.29	555.65
F4L-11	602.22	28.37	573.85
F6-11	587.40	59.58	527.82
G1L-11	616.84	61.63	555.21
G6-11	608.89	50.90	557.99
H2L-11	620.73	66.82	553.91
H5-11	616.81	72.84	543.97
I1-11	624.75	77.07	547.68
J5L-11	607.20	60.38	546.82
J6-11	608.68	23.60	585.08
PMW-1L-11	598.84	84.85	513.99
Purge Wells			
APW-1	564.98	40.68	508.70
APW-2	569.89	45.99	523.60
PW-1L	593.16	95.96	497.20
PW-1U	593.50	44.06	549.10
PW-2L	597.29	101.99	495.30
PW-2M	596.61	78.31	518.30
PW-2UR	594.75	6.85	587.90
PW-3L	599.05	76.85	522.20
PW-3M	597.79	78.39	519.40
PW-4M	606.93		
PW-4U	604.85	4.78	572.70
PW-5UR	601.31	3.61	596.50
PW-6UMR	609.31	104.91	501.80
PW-6UR	608.47	71.97	557.80
PW-7U	592.47	18.17	574.30
PW-8M	592.67	56.27	519.50
PW-8U	589.27	22.97	566.30
PW-9U	587.47	40.67	543.60
PW-10U	593.54	28.34	565.20

Notes:

BTOR	-Below Top Of Riser
-	- Not applicable
ft AMSL	- Feet above mean sea level
Surcharged	- Well surcharged at the time of measurement
Dry	- No water present at the time of the measurement; measurement is bottom of well
Inaccessible	- Well inaccessible due to non-operating car parked on well

Table 2

Leachate Treatment System Daily Effluent Monitoring Data
Second Quarter - 2025
Hyde Park RRT Program

	Effluent	
Date	**pH** (su)	**Flow** (gal)
04/01/2025		
04/02/2025	7.5	167,000
04/03/2025	7.4	136,000
04/04/2025	7.3	136,000
04/05/2025		
04/06/2025		
04/07/2025		
04/08/2025	7.6	190,000
04/09/2025	7.6	185,000
04/10/2025		
04/11/2025		
04/12/2025		
04/13/2025		
04/14/2025		
04/15/2025	7.5	224,000
04/16/2025		
04/17/2025		
04/18/2025	7.5	149,000
04/19/2025		
04/20/2025		
04/21/2025		
04/22/2025	7.5	172,000
04/23/2025		
04/24/2025		
04/25/2025		
04/26/2025		
04/27/2025		
04/28/2025		
04/29/2025		
04/30/2025		
05/01/2025	7.5	214,000
05/02/2025		
05/03/2025		
05/04/2025		
05/05/2025		
05/06/2025		

Table 2

Leachate Treatment System Daily Effluent Monitoring Data
Second Quarter - 2025
Hyde Park RRT Program

	Effluent	
Date	**pH** (su)	**Flow** (gal)
05/07/2025		
05/08/2025	7.6	200,000
05/09/2025		
05/10/2025		
05/11/2025		
05/12/2025		
05/13/2025		
05/14/2025		
05/15/2025	7.5	147,000
05/16/2025	7.6	153,000
05/17/2025		
05/18/2025		
05/19/2025		
05/20/2025		
05/21/2025	7.4	125,000
05/22/2025		
05/23/2025		
05/24/2025		
05/25/2025		
05/26/2025		
05/27/2025		
05/28/2025		
05/29/2025	7.5	100,000
05/30/2025	7.5	189,000
05/31/2025		
06/01/2025		
06/02/2025		
06/03/2025		
06/04/2025		
06/05/2025		
06/06/2025	7.5	212,000
06/07/2025		
06/08/2025		
06/09/2025		
06/10/2025		
06/11/2025		

Table 2

Leachate Treatment System Daily Effluent Monitoring Data
Second Quarter - 2025
Hyde Park RRT Program

	Effluent	
Date	**pH** (su)	**Flow** (gal)
06/12/2025		
06/13/2025		
06/14/2025		
06/15/2025		
06/16/2025		
06/17/2025		
06/18/2025		
06/19/2025	7.5	76,000
06/20/2025	7.6	188,000
06/21/2025		
06/22/2025		
06/23/2025		
06/24/2025		
06/25/2025	7.5	247,000
06/26/2025	7.6	153,000
06/27/2025		
06/28/2025		
06/29/2025		
06/30/2025		
	Total	3,363,000

Notes:

su - Standard unit
gal - Gallons

Table 3

Analytical Results Summary
Weekly Effluent Sampling - Leachate Treatment System
Second Quarter - 2025
Hyde Park RRT Program

Parameter	Units	Effluent 4/2/2025	4/9/2025	4/16/2025	4/23/2025	4/30/2025
Volatiles						
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	**0.26 J**
2-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	1.0 U	1.0 U	**8**	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl acetate	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl chloride	µg/L	**0.72 J**	**1.1**	**1.1**	**1.4**	**1.2**
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
General Chemistry						
Phenolics (total)	mg/L	**0.0030 J**	**0.0060**	**0.0038 J**	**0.0117**	**0.0040 J**

Notes:

** - No sample collected; treatment system down for troubleshooting and repairs.

1.5 - indicates a detection

J - Estimated concentration

U - Not detected at associated reporting limit

mg/L - milligrams per liter

µg/L - micrograms per liter

Table 3

Analytical Results Summary
Weekly Effluent Sampling - Leachate Treatment System
Second Quarter - 2025
Hyde Park RRT Program

Parameter	Units	Effluent 5/7/2025	5/14/2025	5/21/2025	5/28/2025 **	6/4/2025 **
Volatiles						
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	-	-
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	-	-
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	-	-
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	-	-
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	-	-
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	-	-
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	-	-
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	-	-
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	-	-
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	-	-
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	-	-
2-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	-	-
3-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	-	-
4-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	-	-
Benzene	µg/L	1.0 U	1.0 U	1.0 U	-	-
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	-	-
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	-	-
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U	-	-
Carbon disulfide	µg/L	**1.0**	1.0 U	**1.5**	-	-
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	-	-
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	-	-
Chloroethane	µg/L	1.0 U	1.0 U	**0.72 J**	-	-
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	-	-
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U	-	-
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	-	-
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	-	-
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	-	-
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	-	-
m&p-Xylenes	µg/L	2.0 U	2.0 U	2.0 U	-	-
m-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	-	-
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	-	-
o-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	-	-
o-Xylene	µg/L	1.0 U	1.0 U	1.0 U	-	-
p-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	-	-
Styrene	µg/L	1.0 U	1.0 U	1.0 U	-	-
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	-	-
Toluene	µg/L	1.0 U	1.0 U	1.0 U	-	-
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	-	-
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	-	-
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	-	-
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	-	-
Vinyl acetate	µg/L	2.0 U	2.0 U	2.0 U	-	-
Vinyl chloride	µg/L	**1.4**	**1.7**	**2.3**	-	-
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	-	-
General Chemistry						
Phenolics (total)	mg/L	**0.0047 J**	**0.0036 J**	0.0050 U	-	-

Notes:

** - No sample collected; treatment system down for troubleshooting and repairs.

1.5 - indicates a detection

J - Estimated concentration

U - Not detected at associated reporting limit

mg/L - milligrams per liter

µg/L - micrograms per liter

Table 3

Analytical Results Summary
Weekly Effluent Sampling - Leachate Treatment System
Second Quarter - 2025
Hyde Park RRT Program

Parameter	Units	Effluent 6/11/2025	Effluent 6/18/2025 **	Effluent 6/25/2025
Volatiles				
1,1,1-Trichloroethane	µg/L	1.0 U	-	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	-	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	-	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	-	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	-	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	-	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	-	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	-	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	-	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	-	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	-	1.0 U
2-Chlorotoluene	µg/L	1.0 U	-	1.0 U
3-Chlorotoluene	µg/L	1.0 U	-	1.0 U
4-Chlorotoluene	µg/L	1.0 U	-	1.0 U
Benzene	µg/L	1.0 U	-	1.0 U
Bromodichloromethane	µg/L	1.0 U	-	1.0 U
Bromoform	µg/L	1.0 U	-	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	-	1.0 U
Carbon disulfide	µg/L	1.0 U	-	1.0 U
Carbon tetrachloride	µg/L	1.0 U	-	1.0 U
Chlorobenzene	µg/L	1.0 U	-	1.0 U
Chloroethane	µg/L	1.0 U	-	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	-	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	-	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	-	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	-	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	-	1.0 U
Ethylbenzene	µg/L	1.0 U	-	1.0 U
m&p-Xylenes	µg/L	2.0 U	-	2.0 U
m-Monochlorobenzotrifluoride	µg/L	1.0 U	-	1.0 U
Methylene chloride	µg/L	1.0 U	-	1.0 U
o-Monochlorobenzotrifluoride	µg/L	1.0 U	-	1.0 U
o-Xylene	µg/L	1.0 U	-	1.0 U
p-Monochlorobenzotrifluoride	µg/L	1.0 U	-	1.0 U
Styrene	µg/L	1.0 U	-	1.0 U
Tetrachloroethene	µg/L	1.0 U	-	1.0 U
Toluene	µg/L	1.0 U	-	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	-	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	-	1.0 U
Trichloroethene	µg/L	1.0 U	-	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	-	1.0 U
Vinyl acetate	µg/L	2.0 U	-	2.0 U
Vinyl chloride	µg/L	**2.6**	-	1.0 U
Xylenes (total)	µg/L	3.0 U	-	3.0 U
General Chemistry				
Phenolics (total)	mg/L	**0.0056**	-	**0.0049 J**

Notes:

** - No sample collected; treatment system down for troubleshooting and repairs.

1.5 - indicates a detection

J - Estimated concentration

U - Not detected at associated reporting limit

mg/L - milligrams per liter

µg/L - micrograms per liter

Table 4

Analytical Results Summary
Quarterly Effluent Sampling - Leachate Treatment System
Second Quarter - 2025
Hyde Park RRT Program

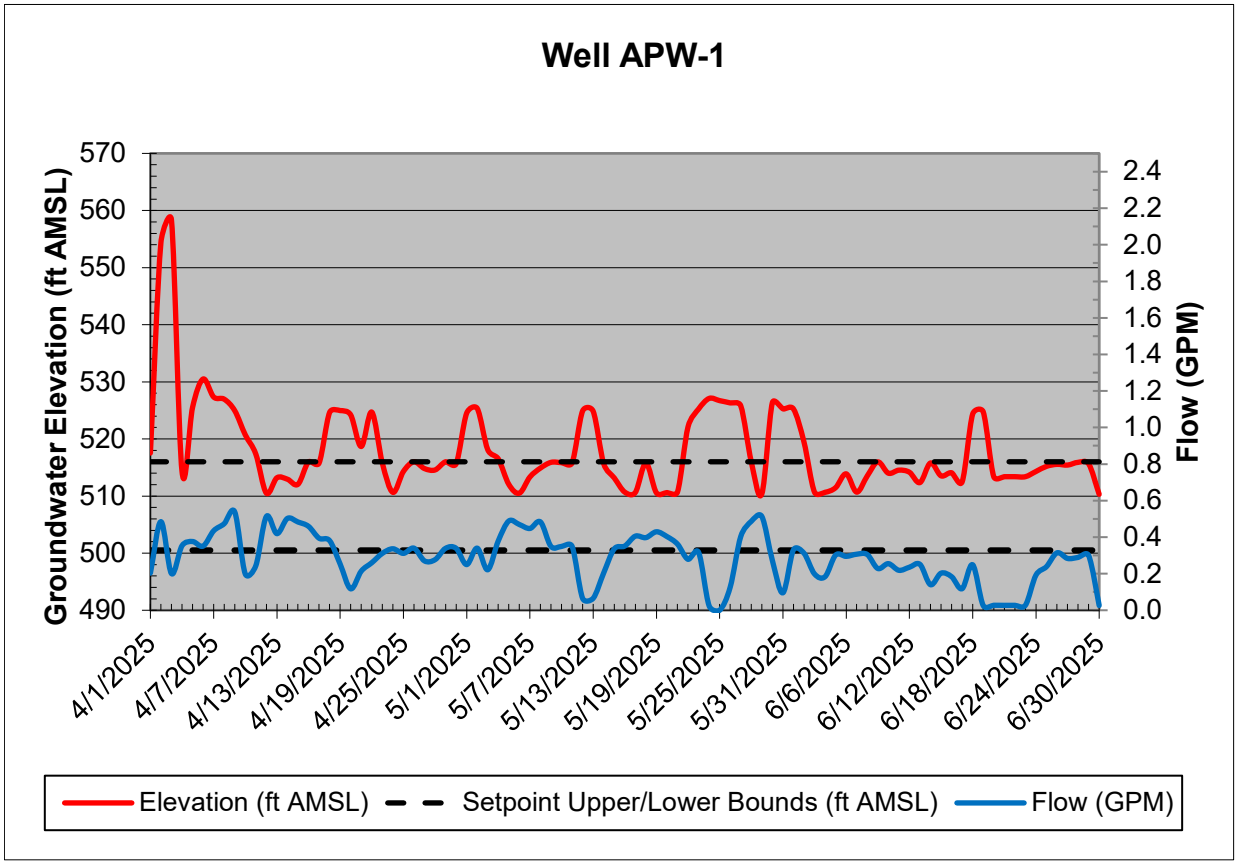
	Sample Location:	**EFFLUENT**
	Sample ID:	**EFF-062525-WT-Comp-BA-001**
	Sample Date:	**6/25/2025**
Parameters	**Units**	
Volatile Organic Compounds		
Vinyl chloride	µg/L	**3.16**
General Chemistry		
Phosphorus	mg/L	**0.098**

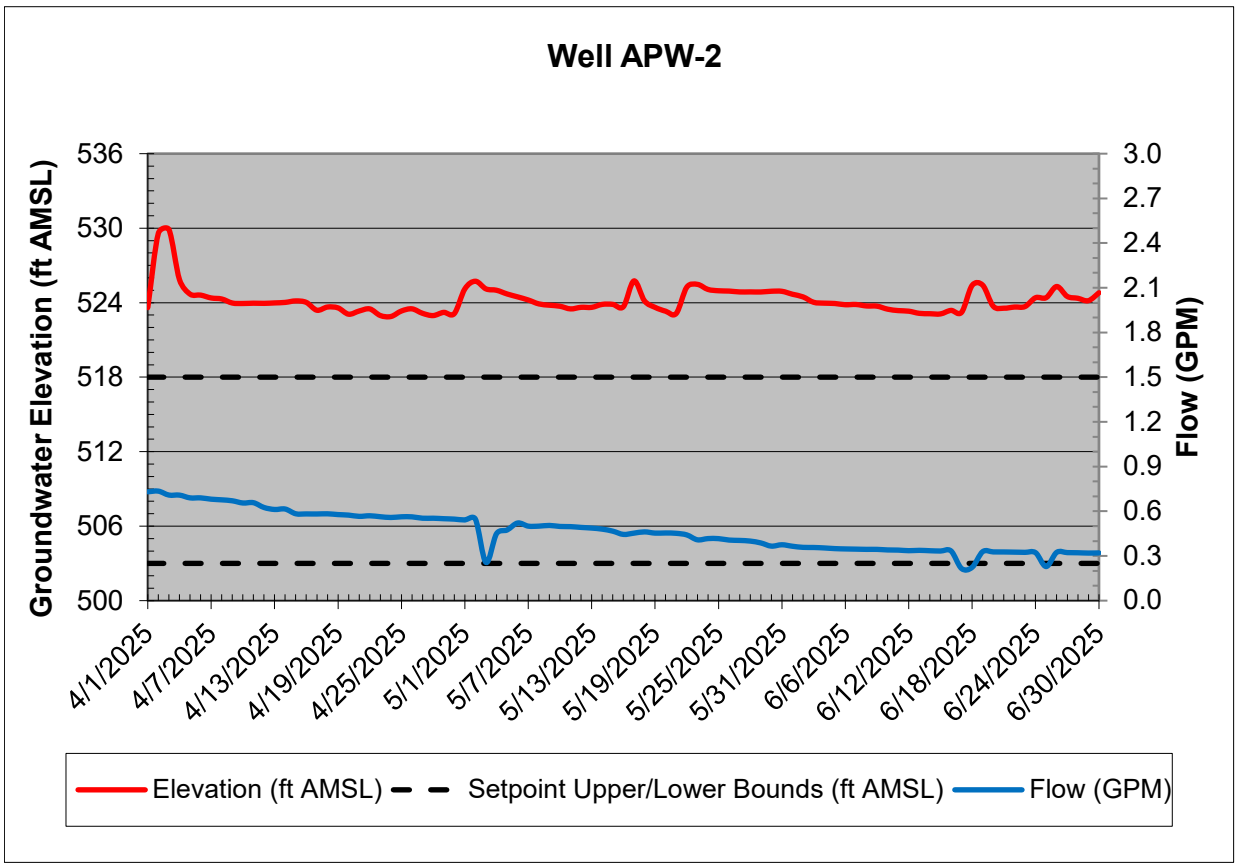
Notes:

J - estimated concentration
µg/L - micrograms per liter
mg/L - milligrams per liter
0.098 - indicates a detection for the indicated compound

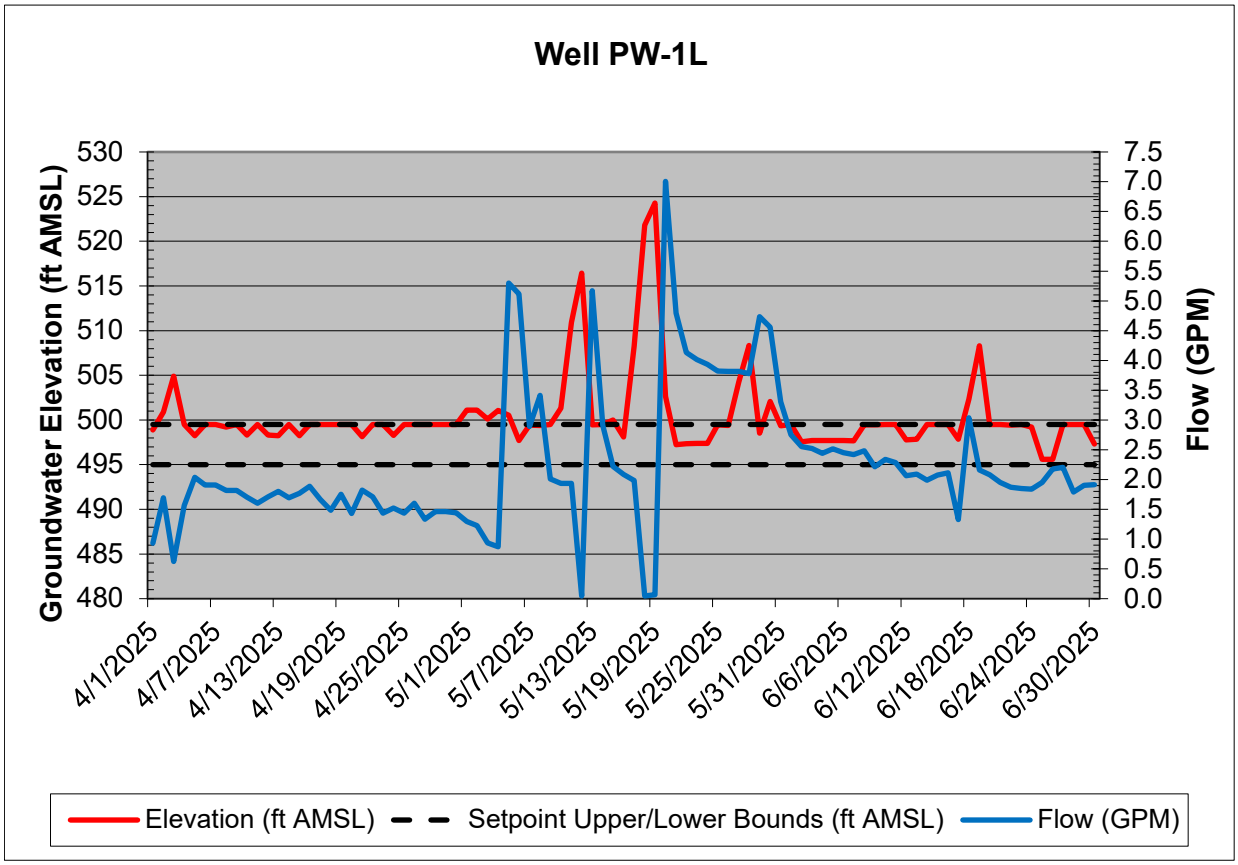
ATTACHMENT A

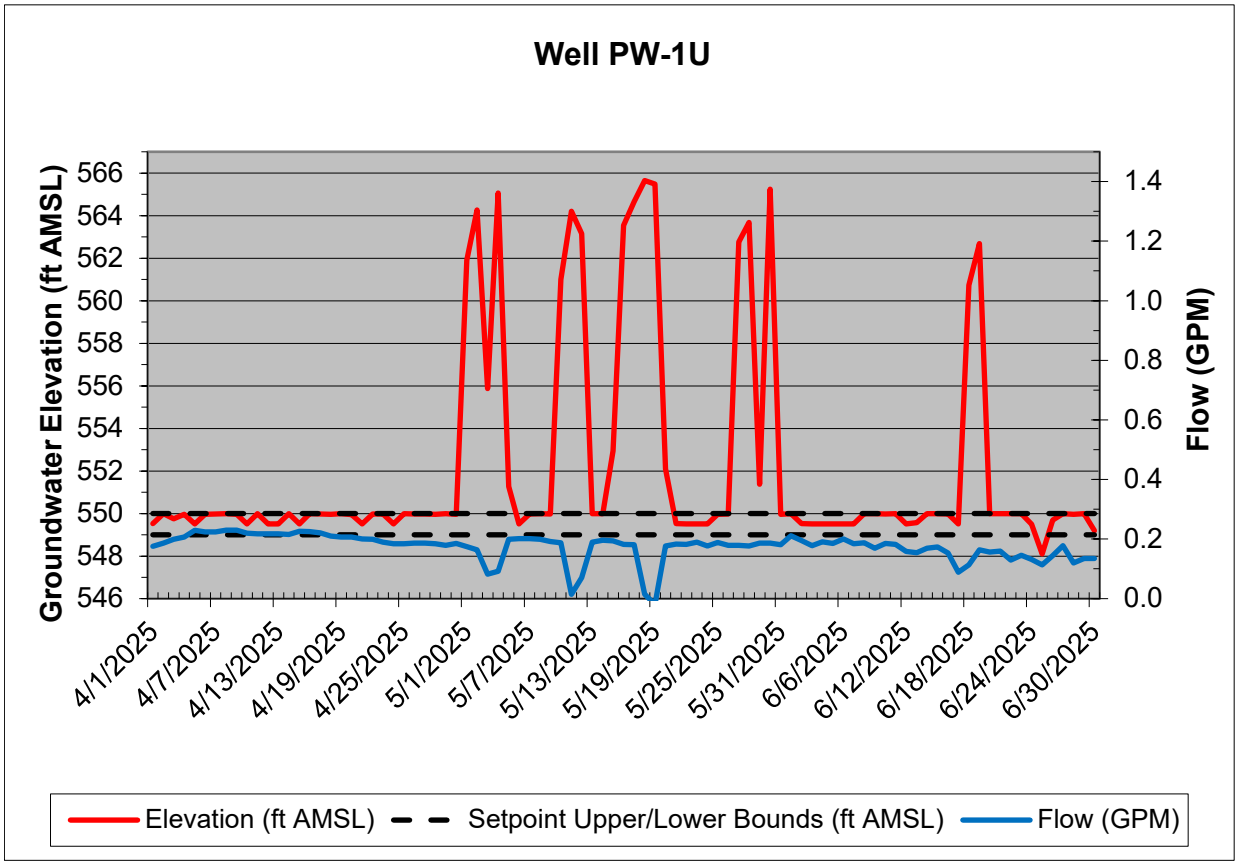
SECOND QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK



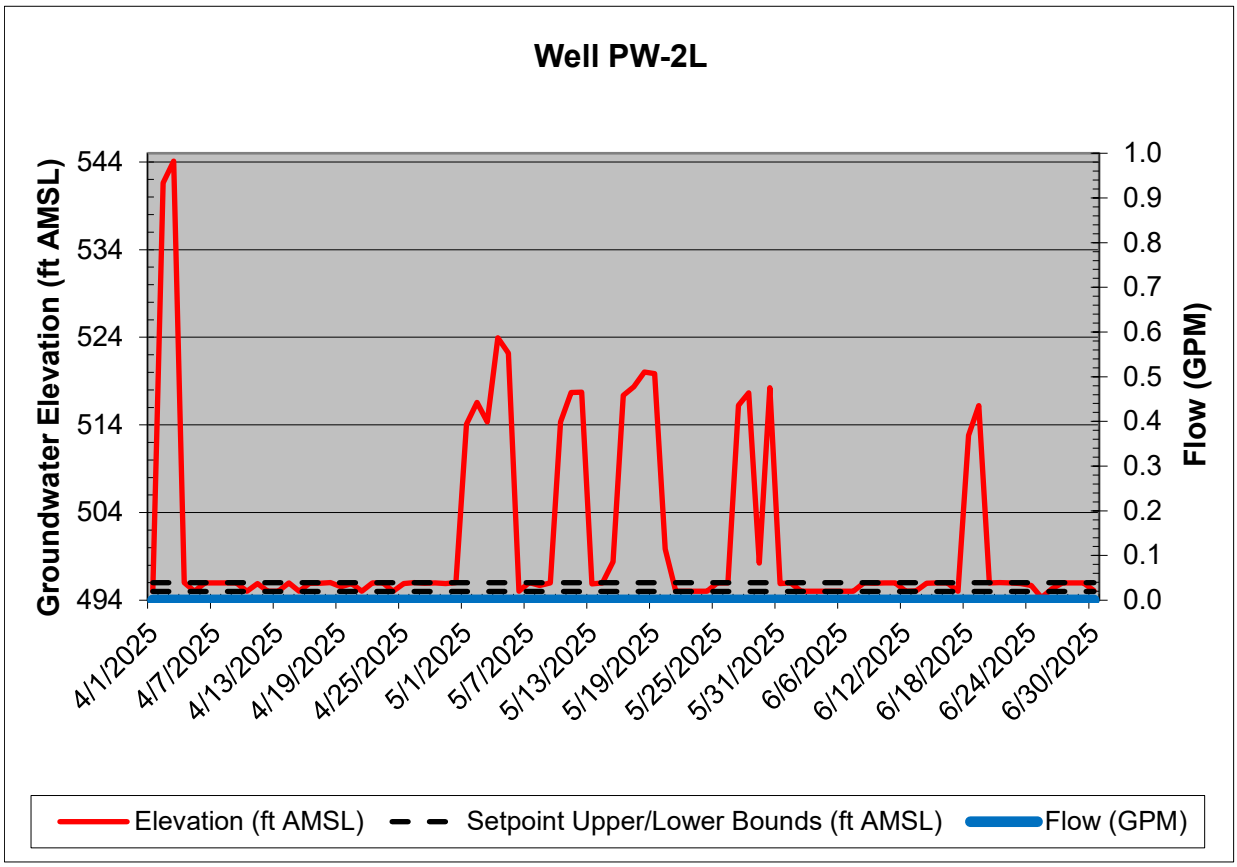


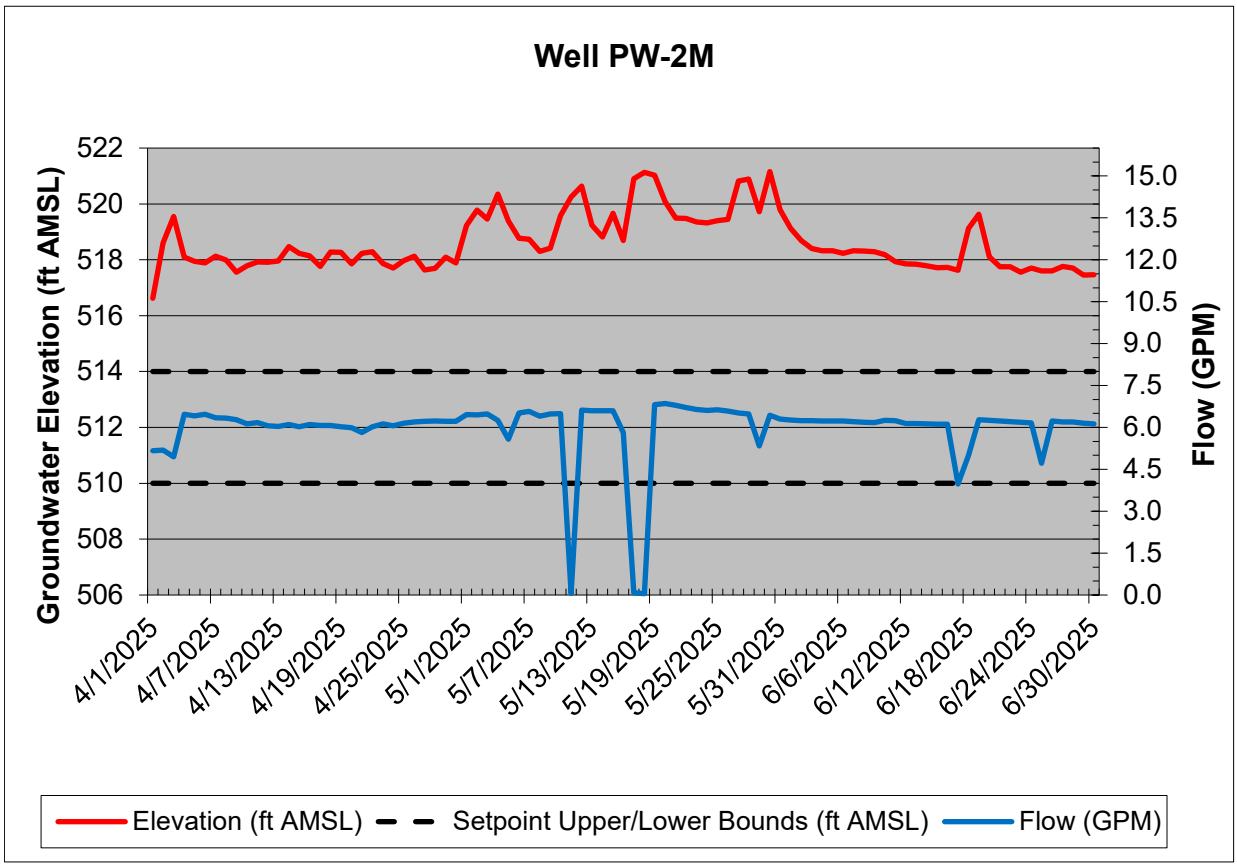
SECOND QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK





SECOND QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK





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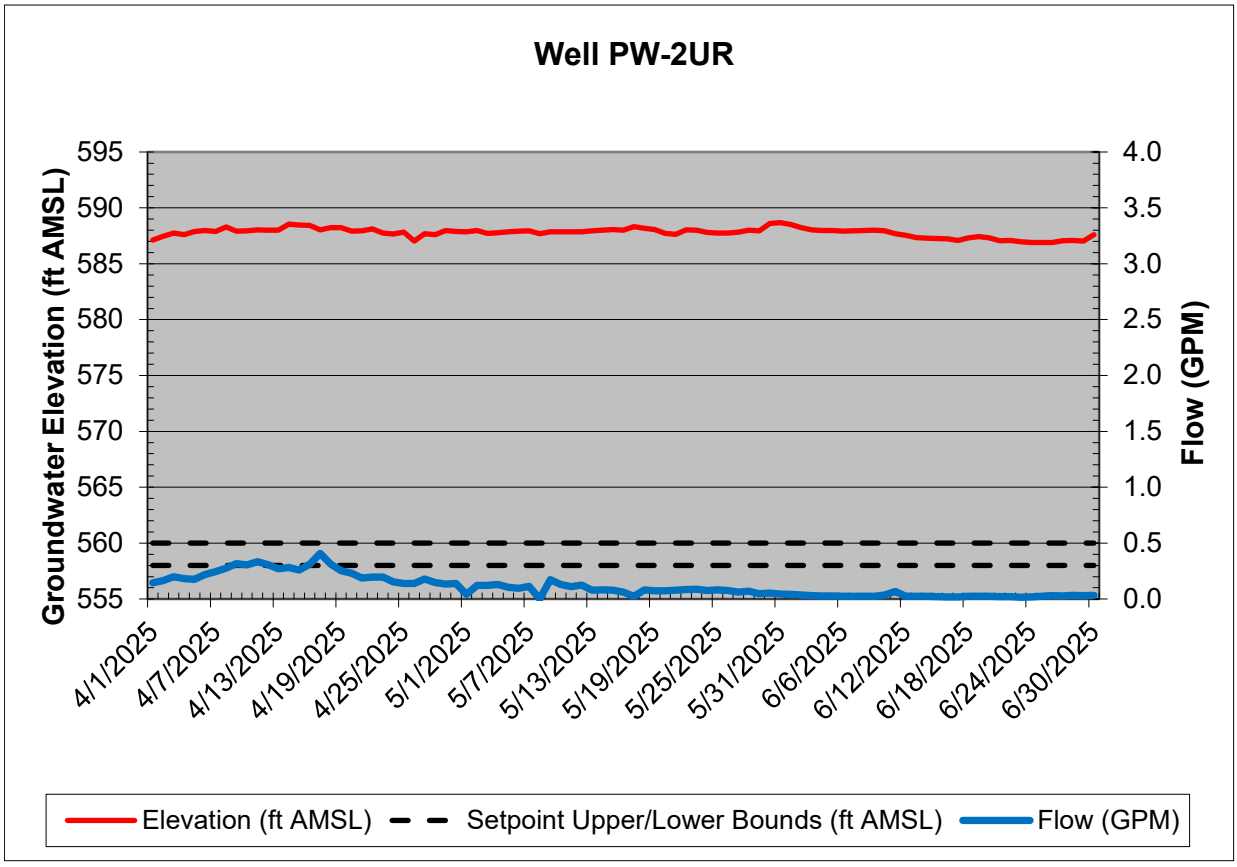
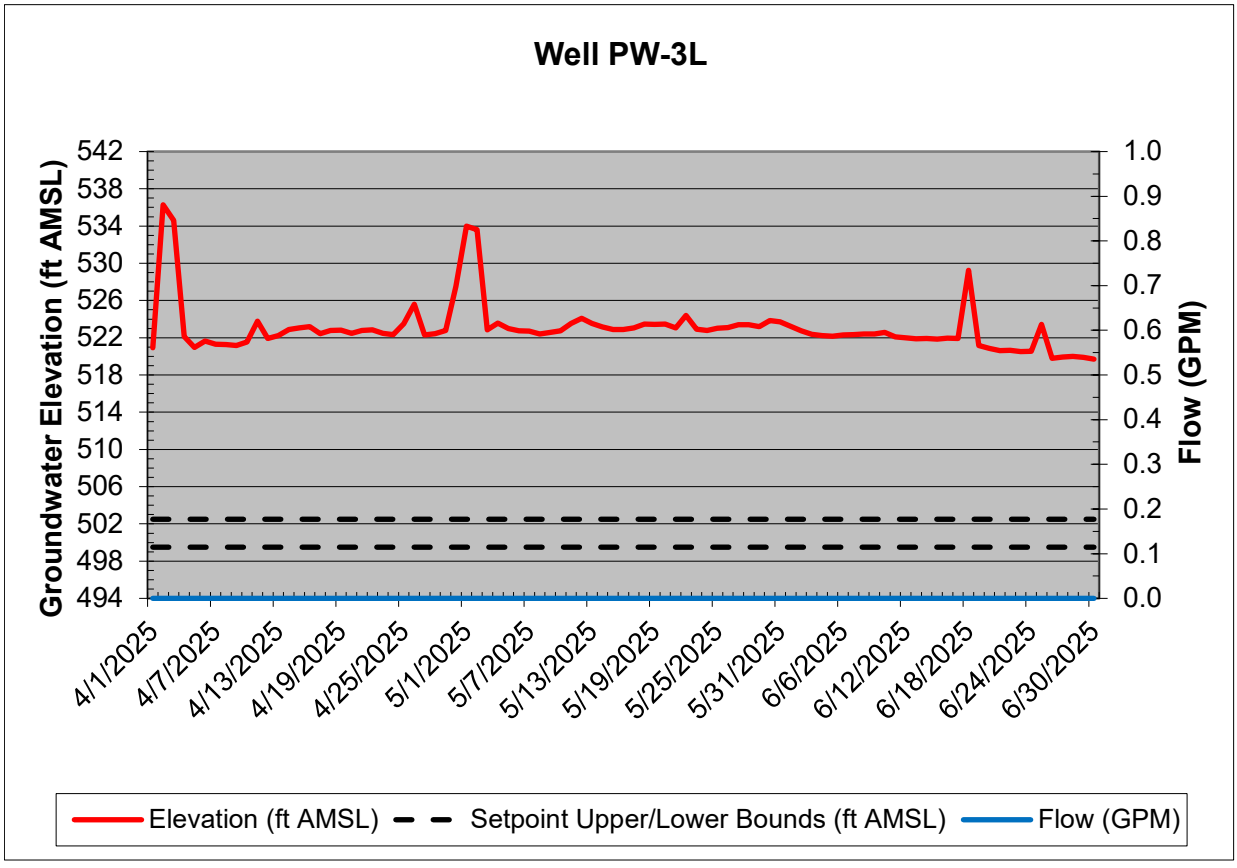
HYDE PARK





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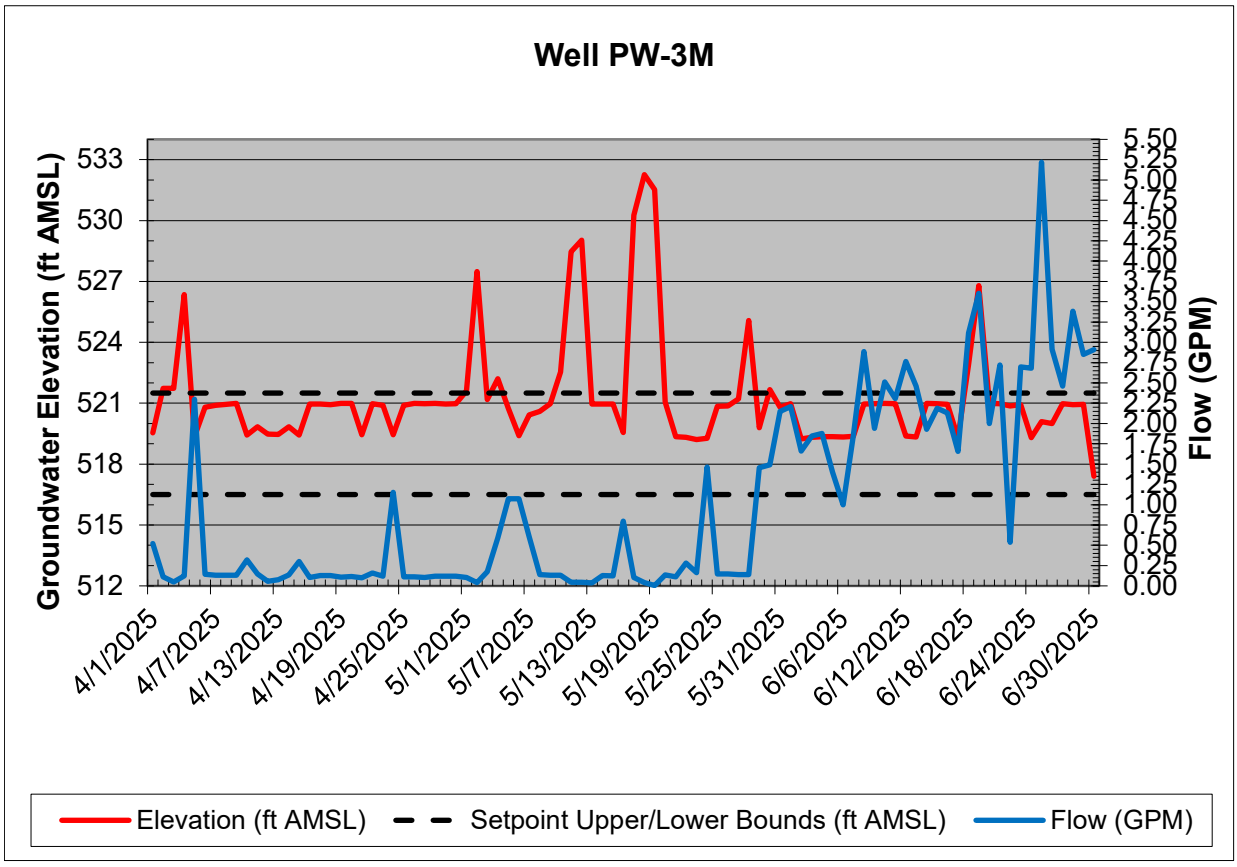
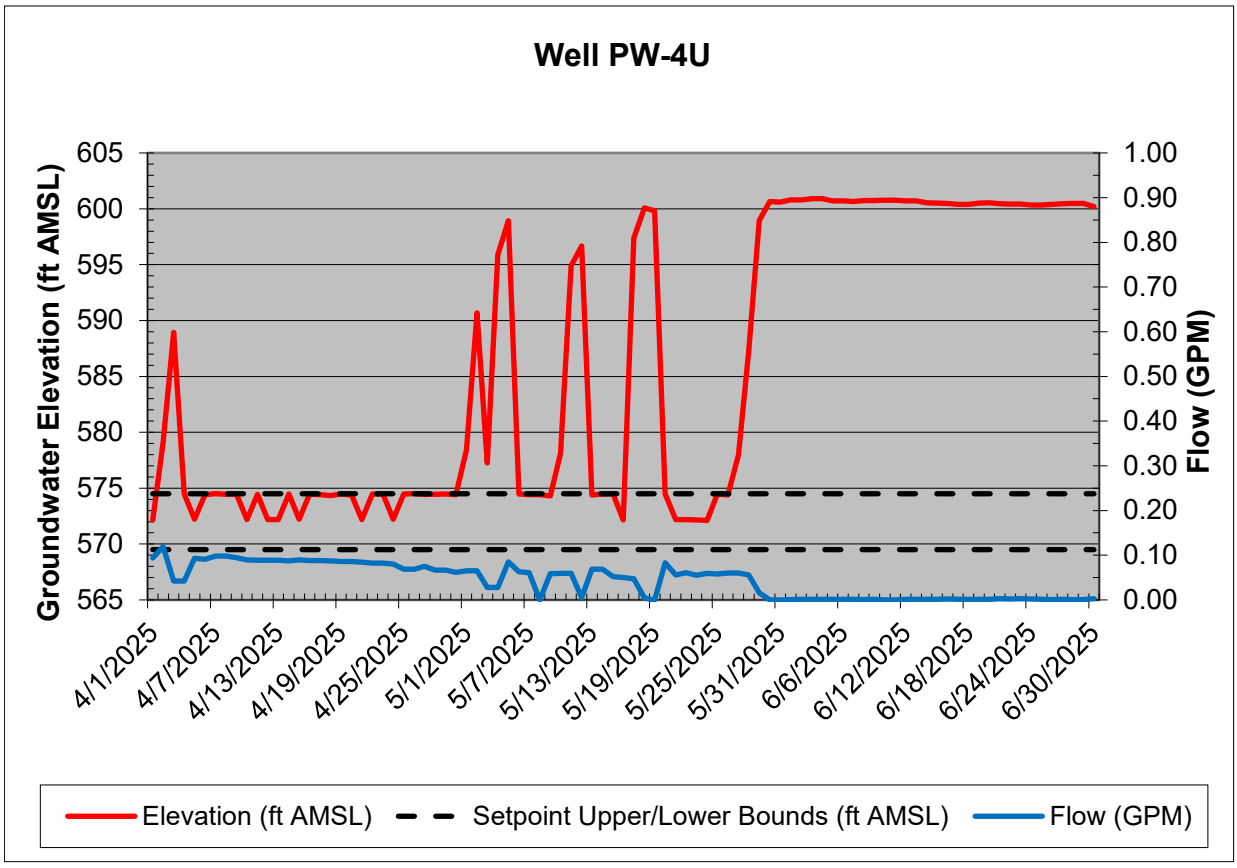
HYDE PARK





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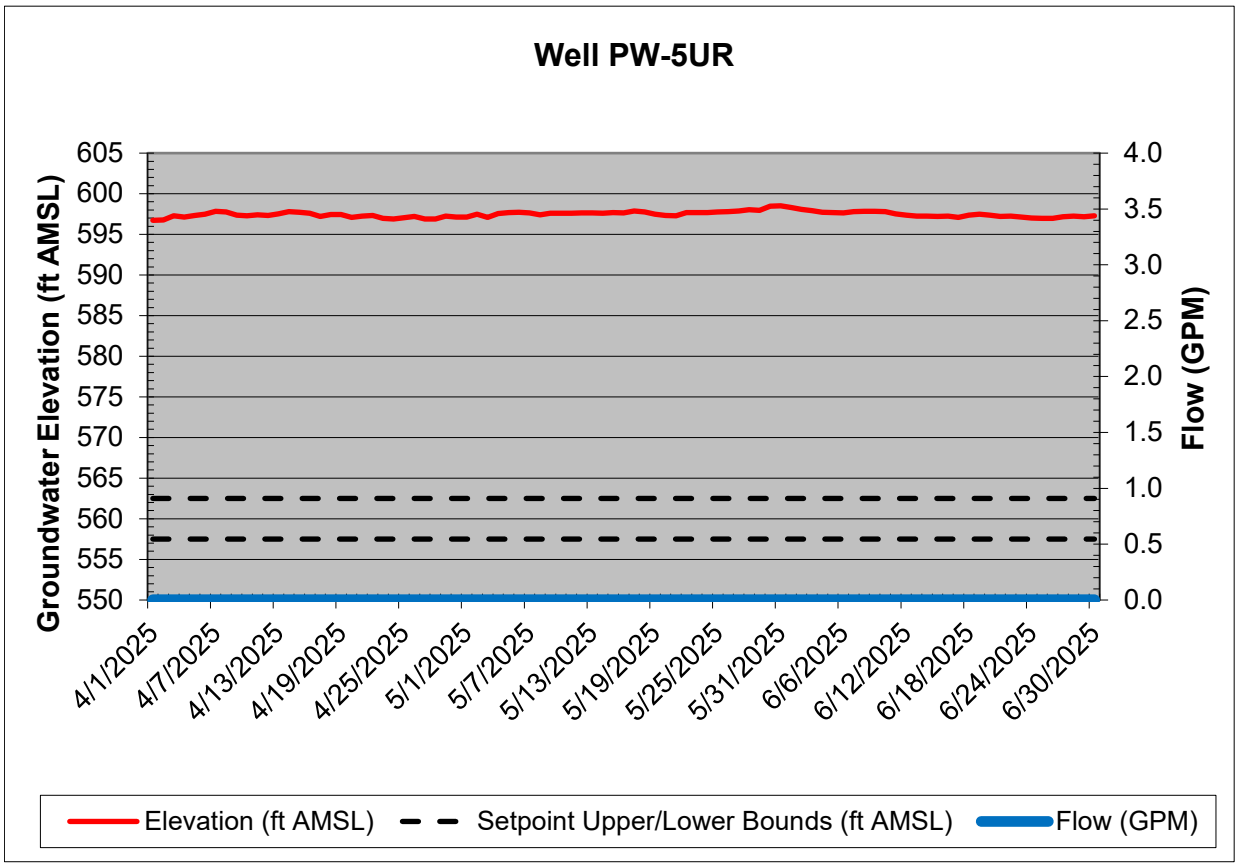
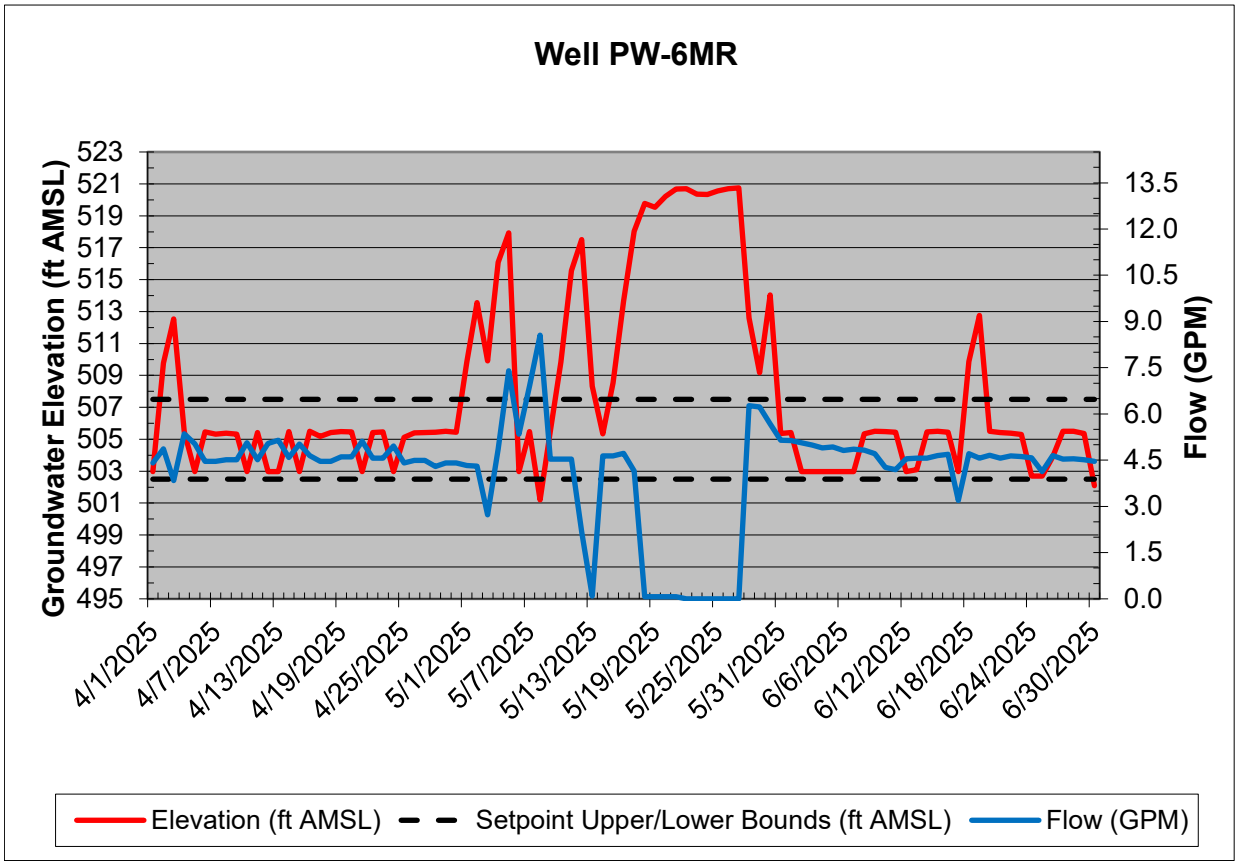
HYDE PARK





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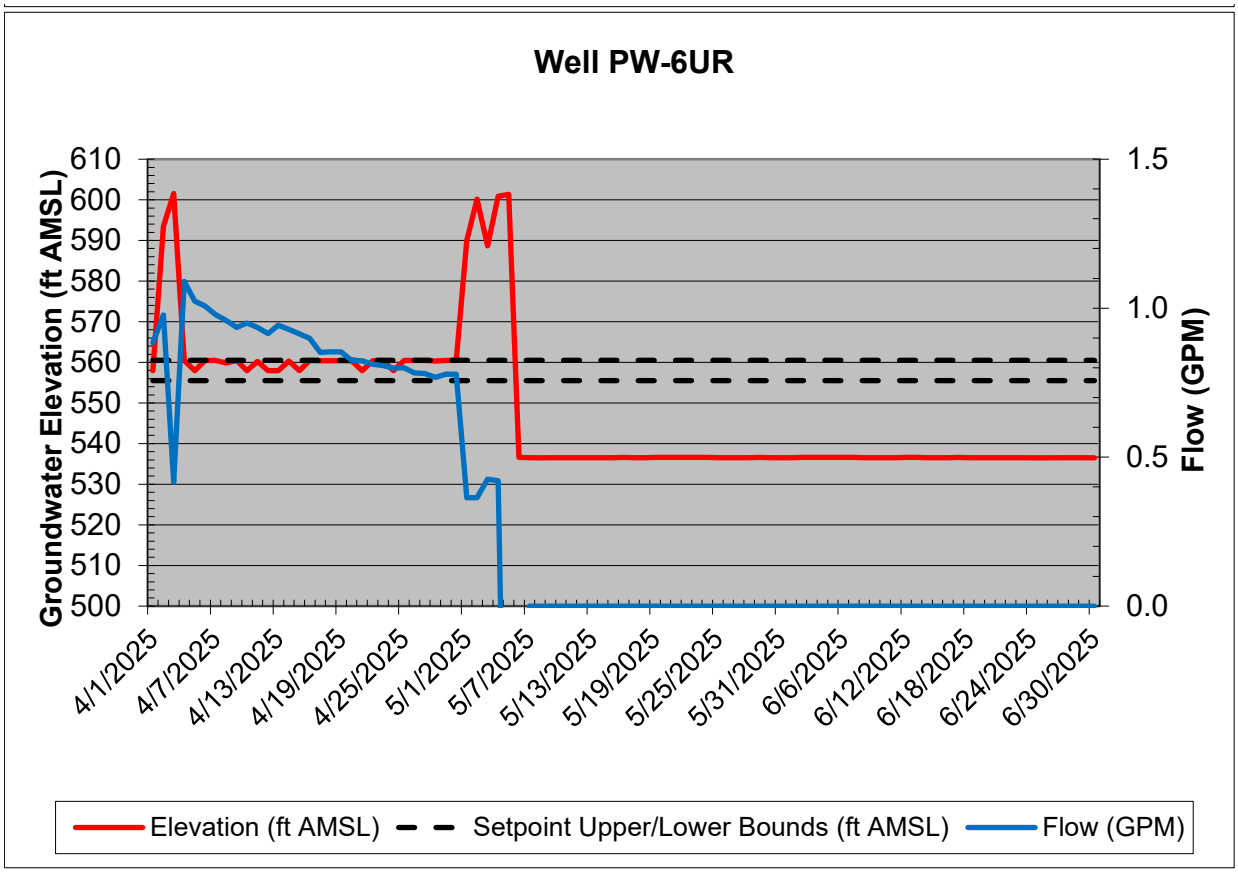
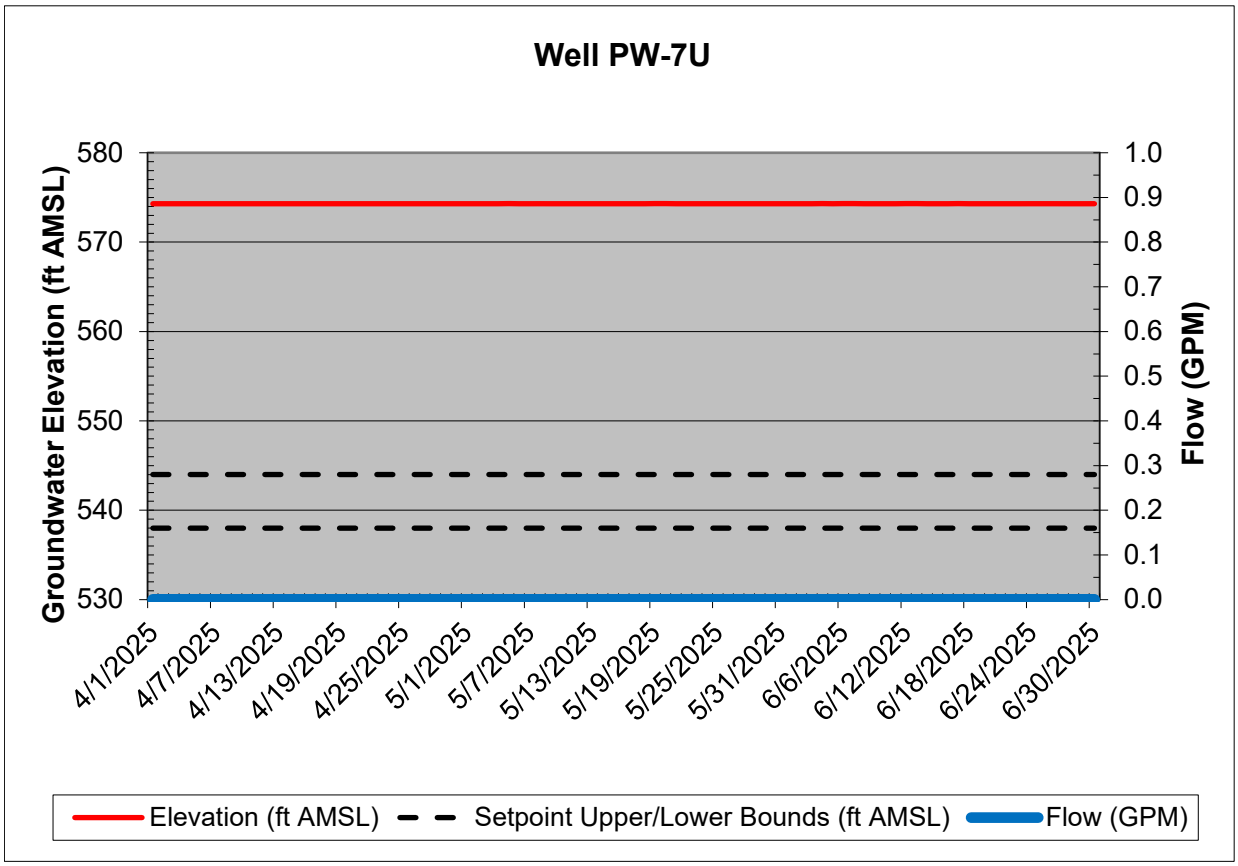
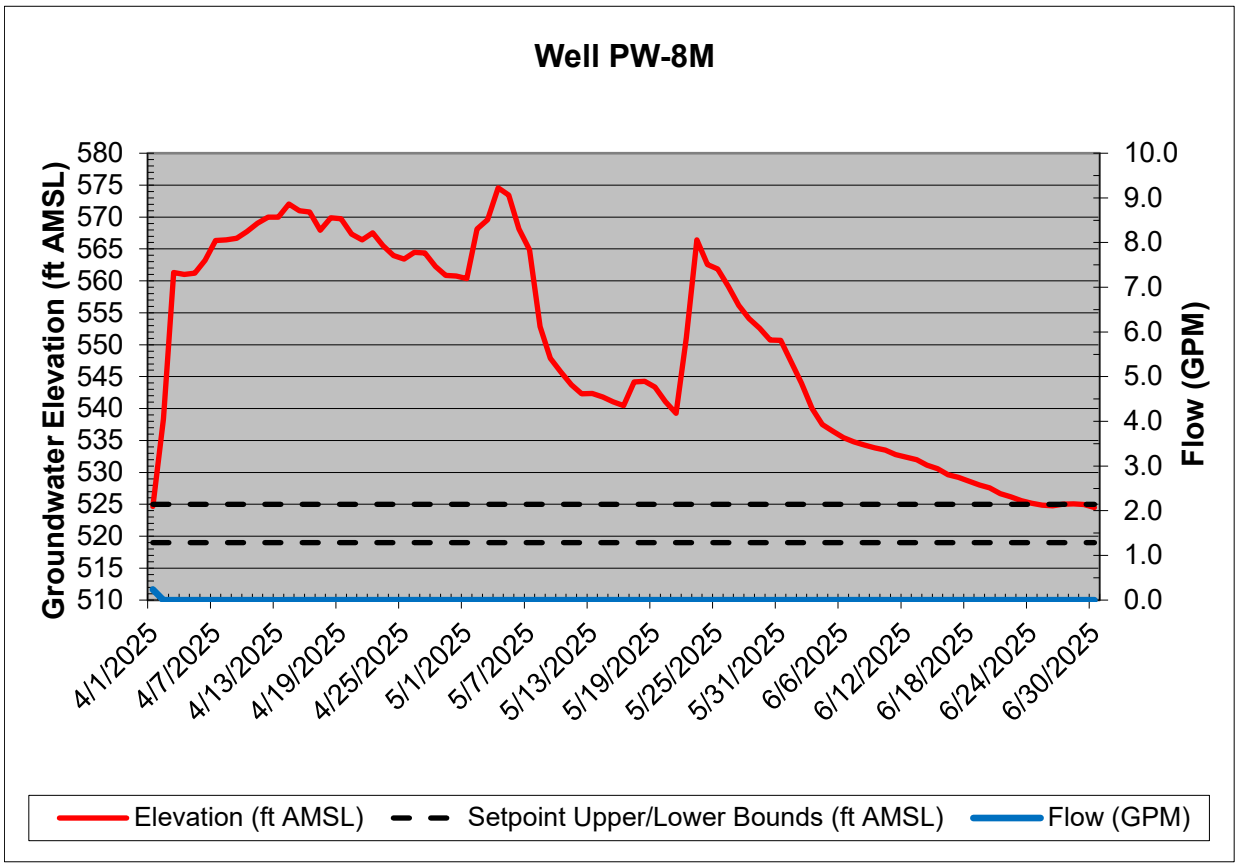
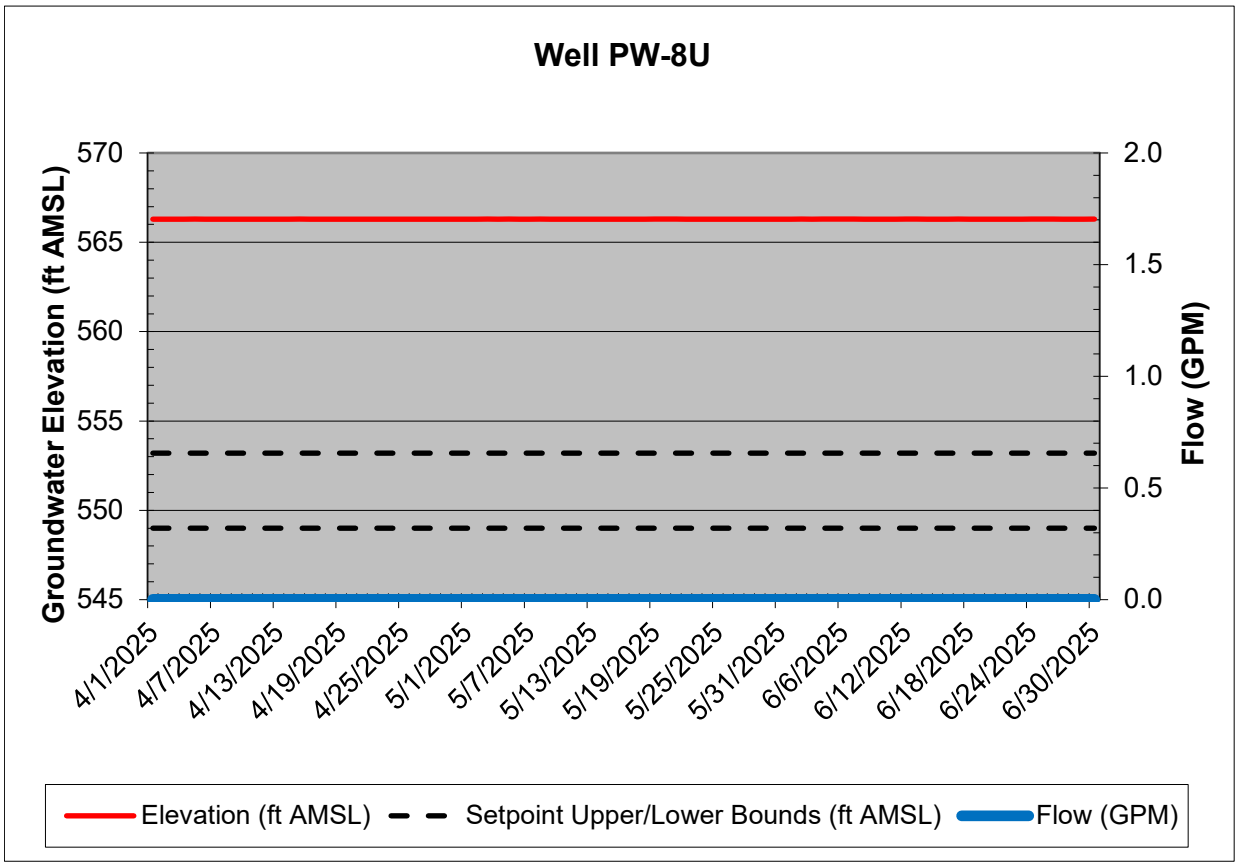
HYDE PARK



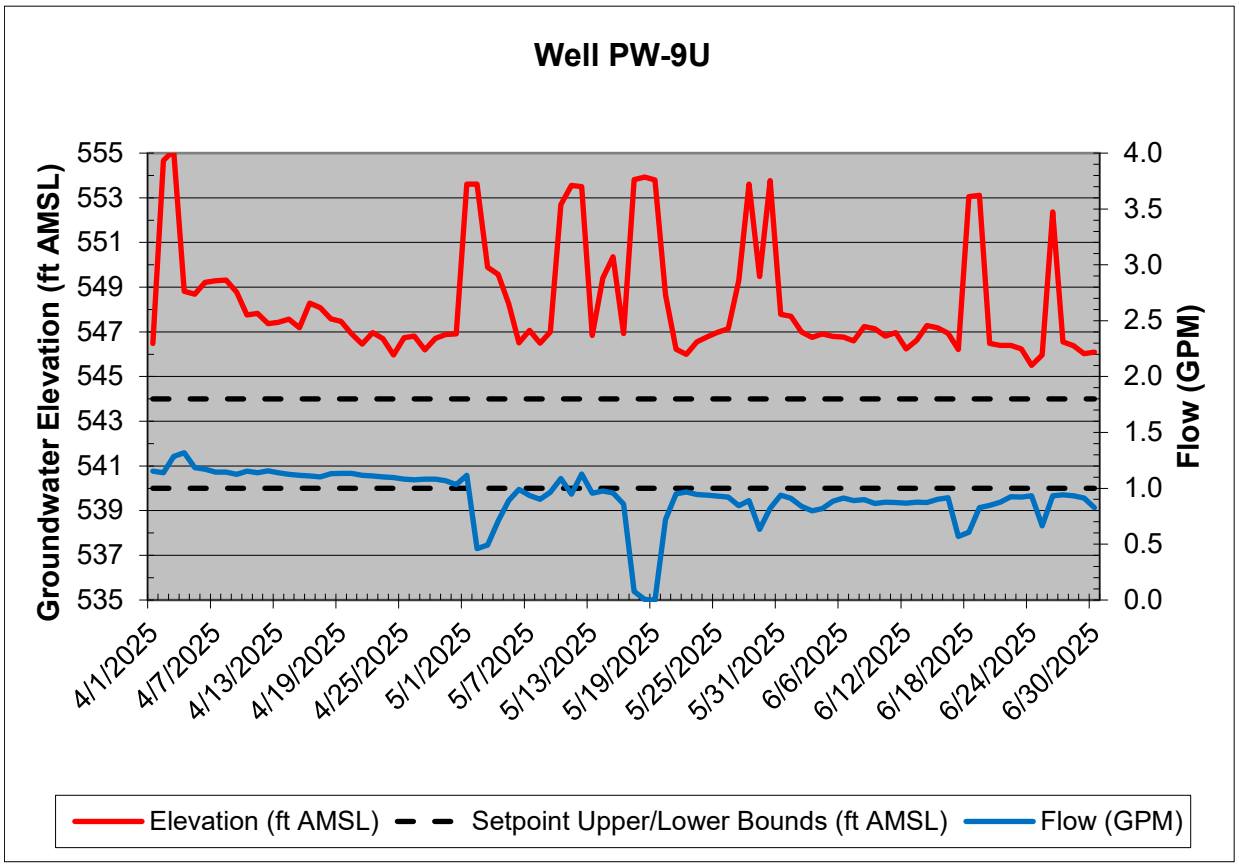


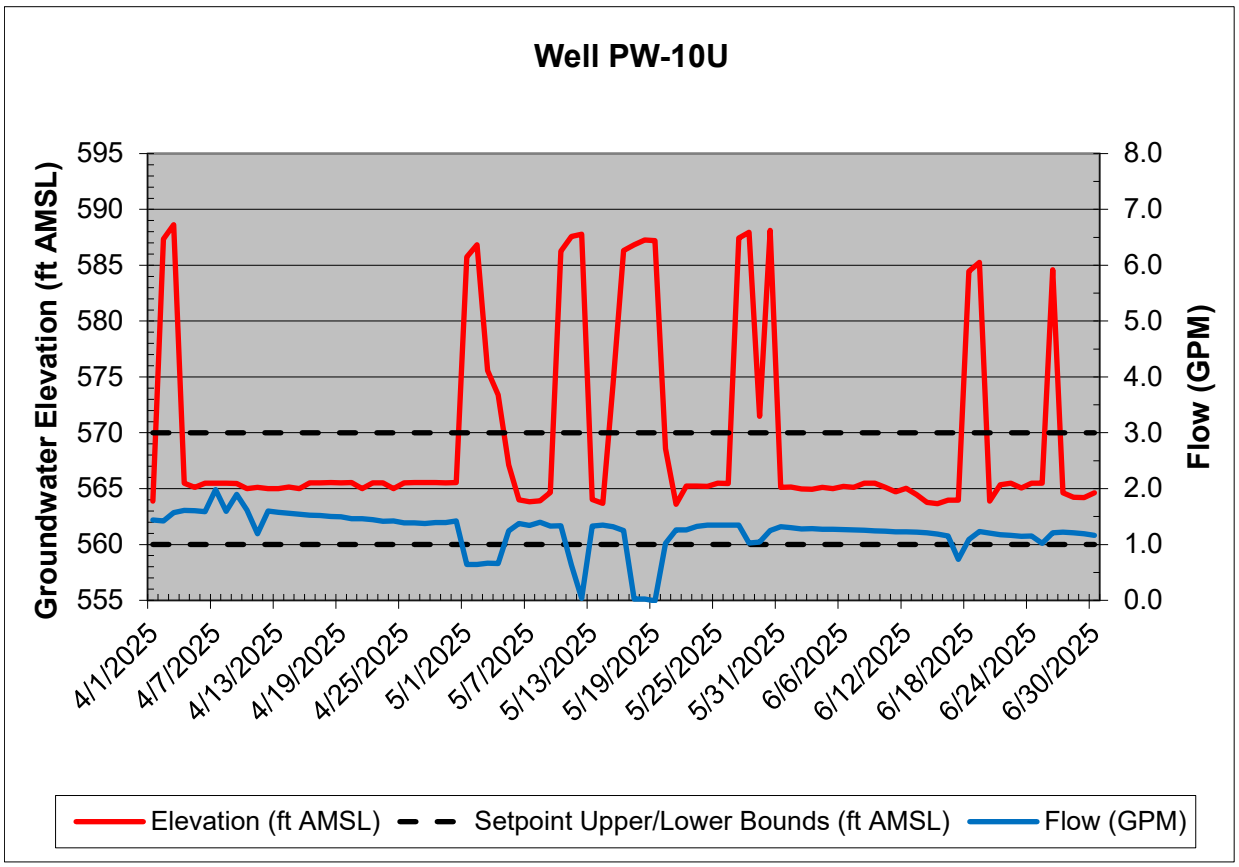
SECOND QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK





SECOND QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK





Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

Joe Branch
Project Manager
Direct Dial (231) 670-6809

7601 Old Channel Trail
Montague, MI 49437

October 31, 2025

Ms. Maeve Wurtz
USEPA Region II
290 Broadway, 20th Floor
New York, New York 10007-1866

Mr. Andrew Zwack
NYSDEC
700 Delaware Avenue
Buffalo, New York 14209

Dear Ms. Wurtz and Mr. Zwack:

Re: Quarterly Operations Report
Third Quarter 2025 Hyde Park Remedial Program
Bedrock and Overburden Monitoring Programs
NYSDEC Site No. 932021

In accordance with the July 2006 *"Performance Monitoring Plan"* (Conestoga Rovers & Associates & Services Environmental, Inc., 2006), this letter presents the Quarterly Operations Report for the Hyde Park Remedial Program for the period July 1, 2025 through September 30, 2025. A total of 2.31 million gallons of aqueous phase liquid (APL) was collected, treated, and discharged in compliance with the Site's City of Niagara Falls Publicly Owned Treatment Works Significant Industrial User Wastewater Discharge Permit #49. The groundwater potentiometric contours during the quarter were consistent with previous interpretations. Flow Zones 4, 6, 7, and 9 have demonstrated dewatered areas between the landfill and the gorge face. The current data continues to support the interpretation of effective hydraulic containment and inward gradients.

The performance monitoring data are presented as follows:

- **Figures 1-9**: Showing the potentiometric surface for the bedrock flow zones and overburden
- **Figure 10**: Showing continuously recorded water levels at flow zone 9 piezometer PMW-1M-09
- **Table 1**: Groundwater elevation summary
- **Tables 2, 3, and 4**: Daily, weekly, and quarterly treatment system effluent monitoring data
- **Attachment A**: Purge well performance graphs indicating daily level and flow information for each pumping well location

Typically, the continuously recorded groundwater elevations for the Flow Zone 9 piezometer (PMW-1M-09) are presented on Figure 10. During the third quarter, the PMW-1M-09 transducer failed in early July. A replacement was ordered and installed, and the unit returned to full operation on October 1, 2025. During the outage, groundwater elevations for the third quarter were calculated using manual water level readings collected in July, August, and September at the beginning of each month. The manually collected groundwater elevations are presented on Figure 10 and were less than 526 feet above mean sea level (AMSL) during the quarter. Based on the manual hydraulic measurements, the FZ-09 outcrop along the New York Power Authority (NYPA) access road was dewatered and unsaturated during the quarter.

The pumping wells were operational and functioning as designed during the third quarter 2025 with the exception of the pumps noted for replacement discussed later in this letter.

SET POINT EXCEEDANCES

To re-iterate, the pumping wells were operational and functioning as designed during the third quarter 2025, except for those wells awaiting replacement. The pumps are operated to maintain a water level between a typical range of 2.5 feet above (pump on) and 2.5 feet below (pump off) a specific set point in accordance with the set point range defined in the *Operation & Maintenance Manual* (GHD, 2019).

The following section discusses set point exceedances that occurred during the quarterly monitoring period and the associated causes and corrective actions (if necessary).

Well PW-2UR, PW-3L, PW-4U, PW-5UR, PW-7U, PW-8M, and PW-8U

- The water levels at pumping wells PW-2UR, PW-3L, PW-4U, PW-5UR, PW-7U, and PW-8U exceeded the set point for the quarter (July 1 through September 30) while awaiting delivery of a new pump, pump motor, and wiring harness equipment and schedule coordination for well development/cleaning. As of the date of this letter, all necessary equipment has been received and GSH's consultant is in the process of scheduling the pump replacements and well cleaning/redevelopment for the fourth quarter of 2025.
- Pumping well PW-8M was within setpoint from July 1 through September 16 due to low water levels, however starting on July 17 the well setpoint was exceeded through the end of the month, September 30. Pumping well PW-8M has been previously identified as needing replacement. As of the date of this letter, all necessary equipment has been received and GSH's consultant is in the process of scheduling the pump replacement and well cleaning/redevelopment for the fourth quarter of 2025.
- It is worth noting for pumping wells PW-2UR and PW-3L, the flow data for the quarter does indicate very low, sporadic flow rates which may be indicative of a clogged pump intake. As indicated in the first bullet, GSH anticipates scheduling these wells for pump replacement and cleaning/redevelopment in the fourth quarter 2025.

Well PW-6UR

- At PW-6UR, a failed flow and water level sensor caused the pump to shut down on May 6 and has remained down. GSH is currently awaiting delivery of replacement parts. It is anticipated the repairs will occur in the fourth quarter of 2025.

Wells PW-1U, PW-1L, PW-2L, PW-3M, PW-6MR, and PW-10U

- July 8 and 9, 2025: Water levels at pumping wells PW-1U, PW-1L, PW-2L, PW-3M, PW-6MR, and PW-10U exceeded the setpoint due to a high-level alarm in the storage dike. The issue was investigated, the alarm reset, and wells returned to setpoint the July 10, 2025.
- August 3 through 5, 2025: Water levels at pumping wells PW-1U, PW-1L, PW-2L, PW-3M, PW-6MR, and PW-10U exceeded the setpoint due to a high-level alarm in the collection tank. The issue was investigated, the alarm reset, and wells returned to setpoint on August 6 with the exception of PW-6MR which was out of setpoint until August 7 and returned to setpoint on August 8.

Heavy rain events

- August 17, 2025: Water levels at pumping wells PW-1U, PW-1L, PW-2L, PW-3M, PW-6MR, and PW-10U were exceeded due to a heavy precipitation event the same day and returned to setpoint the following day, August 18.
- September 21, 2025: Water levels at pumping wells PW-1U, PW-1L, PW-2L, PW-6MR, and PW-10U were exceeded due to a heavy precipitation event the same day and returned to setpoint the following day, September 22, 2025.

Well PW-2M, PW-3L, PW-9U, and APW-2

- A review of the flow data for these wells indicates that flows have been steadily decreasing over time which could be indicative of either a slowly failing pump/motor/wiring harness or buildup of NAPL/sediment around the pump intake. GSH will continue to investigate and monitor the condition of these wells.

Well APW-1

The setpoint for APW-1 was exceeded on the following dates during the third quarter due to a PLC fault alarm. In each instance, the alarm was investigated and reset and water levels returned to setpoint on the days indicated. In addition to the PLC fault alarm, two heavy precipitation events occurred during the quarter resulting in the setpoint being exceeded. The exceedances are summarized in the following bullets:

- *July 2025*:
  - → Setpoint was exceeded on July 1, July 7, July 10 through 16, and July 20 through 21 and returned to setpoint on July 2, July 8, July 17, and July 22, respectively. APW-1 was out of setpoint also beginning on July 23 through July 31 and continued to be out of setpoint due to the fault alarm in the beginning of August.
  - → Setpoint was exceeded July 8 through 9 due to a high-level alarm in the storage dike. The issue was investigated and the alarm reset. Water levels did not return to setpoint due to a fault alarm at the pumping well that occurred on July 10 (see first bullet).
- *August 2025:*
  - → Setpoint was exceeded on August 1 through August 3, August 10 through 11, August 15 through 16, August 19 through 20, August 23, August 25 through 26, and August 28 and returned to setpoint on August 6 August 12, August 18, August 21, August 24, August 27 and August 29, respectively.
  - → Setpoint was exceeded August 3 through 5 due to a high-level alarm in the collection tank. The issue was investigated, the alarm reset, and wells returned to setpoint on August 6.
  - → Setpoint was exceeded on August 17, 2025 due to a heavy precipitation event the same day and returned to setpoint the following day, August 18.
- *September 2025:*
  - → Setpoint was exceeded on September 3 and September 23 through 24 and returned to setpoint on September 4 and 25, respectively.
  - → September 21, 2025: Setpoint was exceeded due to a heavy precipitation event the same day and returned to setpoint the following day, September 22, 2025.

If you have any questions, please feel free to contact me at 231-670-6809 or by email at joseph_branch@oxy.com.

Very truly yours,

GLENN SPRINGS HOLDINGS, INC.

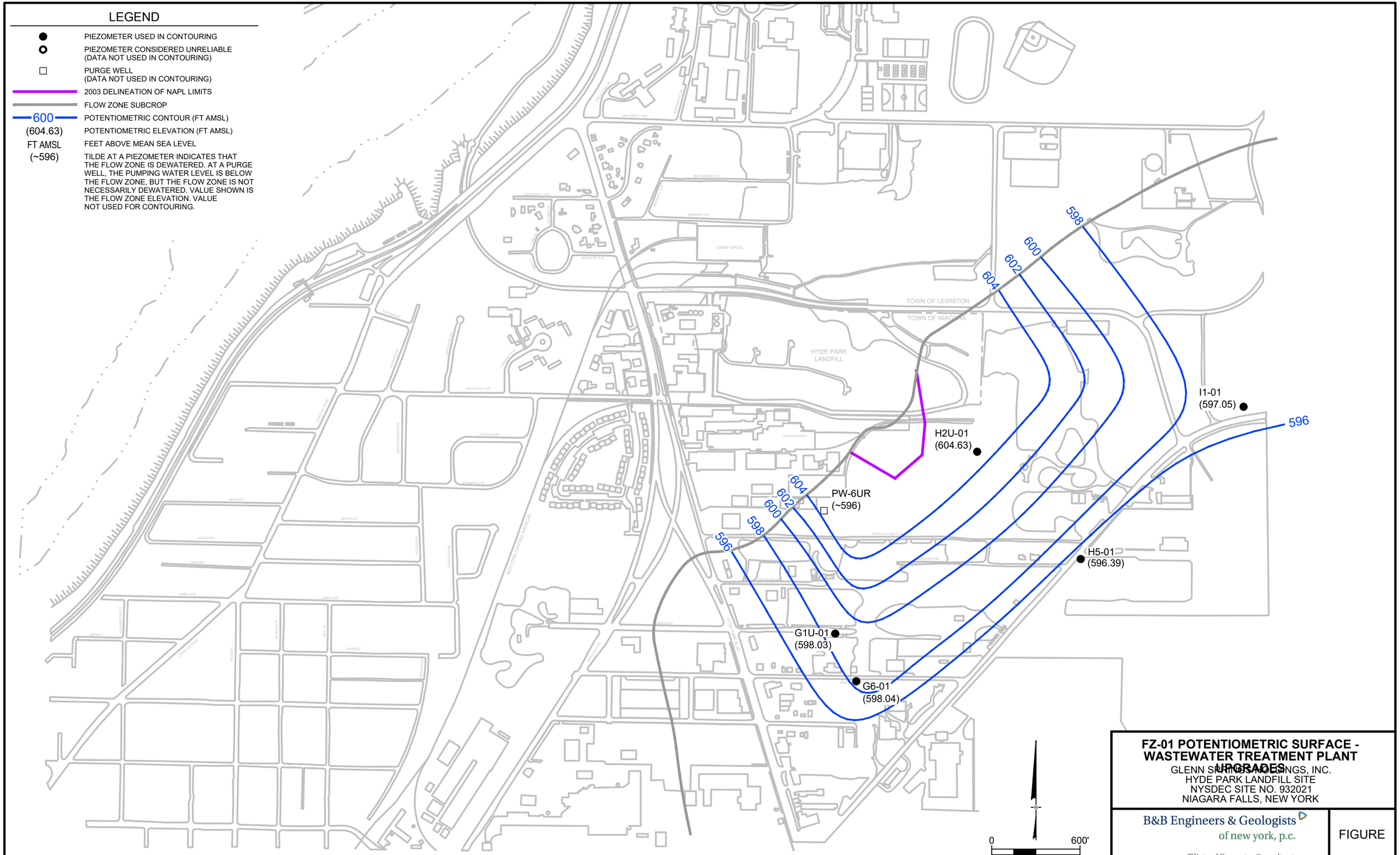
Joseph Branch
Project Manager
231-670-6809 Cell

Encl. Figures 1 through 10
Tables 1 through 4
Attachment A - Purge Well Performance Graphs

cc: B. McPherson, NYSDEC
J. Robinson, NYSDOH
C. Babcock, GSH
T. Bathory, GSH
D. Hoyt, B&B Engineers & Geologists of NY, PC.
I. Richardson, B&B Engineers & Geologists of NY, PC.
K. Bolin, B&B Engineers & Geologists of NY, PC.

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- FLOW ZONE SUBCROP
- 600 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (604.63) FT AMSL (~596) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FEET ABOVE MEAN SEA LEVEL
- TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.



FZ-01 POTENTIOMETRIC SURFACE - WASTEWATER TREATMENT PLANT UPGRADES

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 1

PROJECT NO: TR1045 | OCTOBER 2025

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT40-2025 Q3\DWGS\SHEETS\TR1045.05-RPT140-2025 Q3-FZ-01 - Jon.Hillman 10/28/25

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- FLOW ZONE SUBCROP
- 585 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (589.39) FT AMSL (~575) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FEET ABOVE MEAN SEA LEVEL
- TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.

J6-02 (590.72)
J2U-02 (589.34)
J5U-02 (590.21)
I1-02 (584.21)
PW-4U (599.80)
PW-5UR (594.70)
H2U-02 (591.19)
PW-6UR (~575)
F4U-02 (584.82)
H5-02 (591.18)
F2U-02 (573.72)
G1-02 (589.39)
G6-02 (589.20)

590
585
580
575

HYDE PARK LANDFILL
GREIF BROS.
TOWN OF LEWISTON
TOWN OF NIAGARA
NEW YORK CENTRAL RAILROAD

0 600'
SCALE IN FEET

FZ-02 POTENTIOMETRIC SURFACE - SEPTEMBER 9, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 2

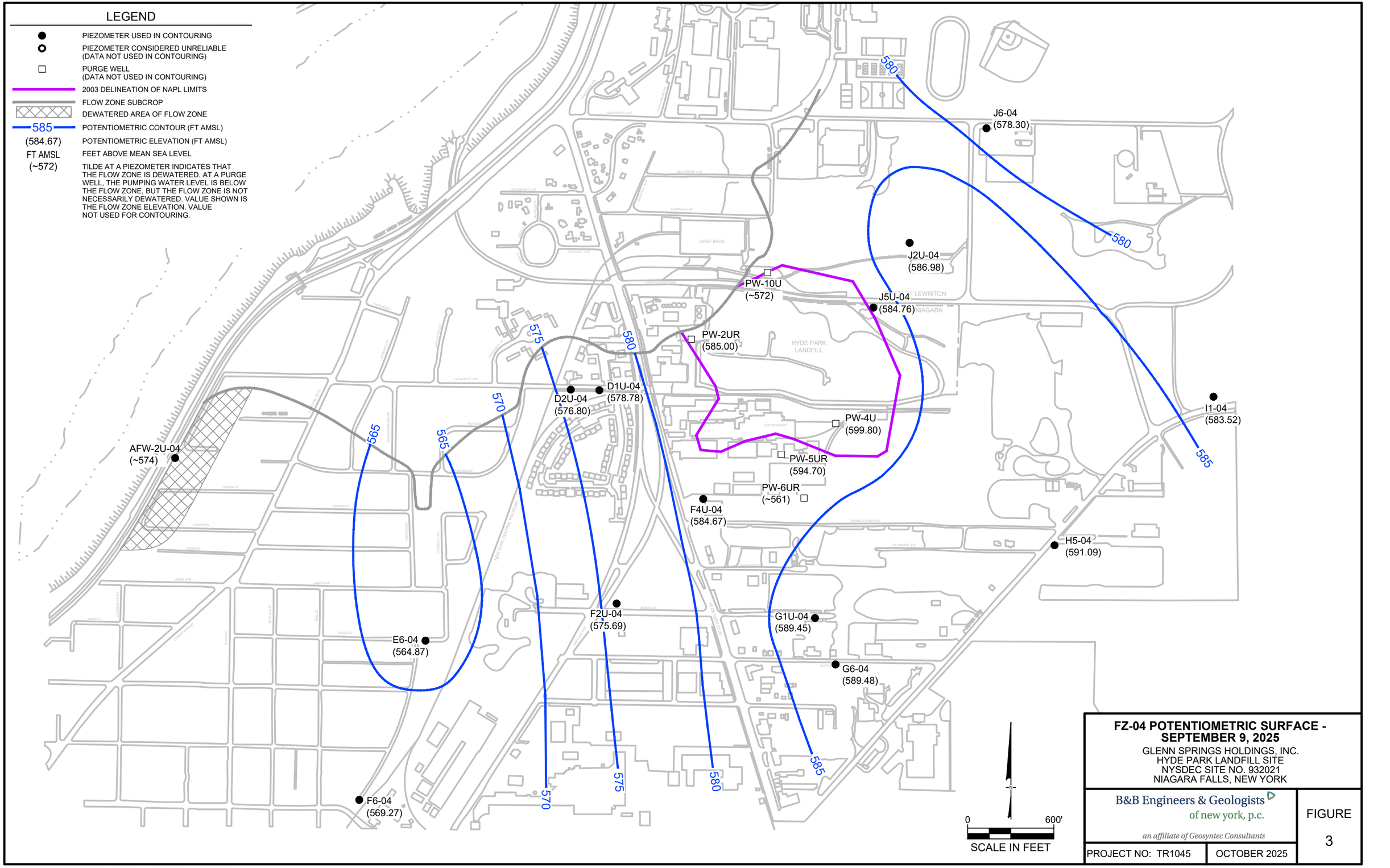
PROJECT NO: TR1045 | OCTOBER 2025

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&MPROJECT FILES\CADD\05_HYDE PARK\RPT40-2025 Q3\DWGS\SHEETS\TR1045.05-RPT140-2025 Q3-FZ-02 - Jon.Hillman 10/28/25

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- FLOW ZONE SUBCROP
- DEWATERED AREA OF FLOW ZONE
- 585 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (584.67) FT AMSL (~572) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FEET ABOVE MEAN SEA LEVEL
- TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.



FZ-04 POTENTIOMETRIC SURFACE - SEPTEMBER 9, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 3

PROJECT NO: TR1045 | OCTOBER 2025

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT40-2025 Q3\DWGS\SHEETS\TR1045.05-RPT40-2025 Q3-FZ-04 - Jon.Hillman 10/28/25

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- FLOW ZONE SUBCROP
- 585 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (581.86) FT AMSL (~556) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FEET ABOVE MEAN SEA LEVEL
- TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.

AGW-1U-05 (581.44)
J6-05 (577.73)
J2U-05 (577.73)
PW-1U (~564)
PW-10U (~562)
J5U-05 (578.05)
PMW-1U-05 (580.05)
PW-2UR (585.00)
D2U-05 (578.58)
D1U-05 (578.51)
PW-3M (~556)
I1-05 (553.72)
PW-4U (599.80)
AFW-2U-05 (574.00)
H2M-05 (590.40)
PW-5UR (594.7)
F4U-05 (581.86)
PW-6UR (~551)
H5-05 (590.09)
F2U-05 (576.21)
E6-05 (564.87)
G6-05 (589.31)
F6-05 (569.17)

570 565 575 580 585 590 560 555

HYDE PARK LANDFILL

0 600'
SCALE IN FEET

FZ-05 POTENTIOMETRIC SURFACE - SEPTEMBER 9, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 4

PROJECT NO: TR1045 | OCTOBER 2025

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACCIACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT40-2025 Q3\DWGS\SHEETS\TR1045.05-RPT40-2025 Q3-FZ-05 - Jon.Hillman 10/28/25

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- FLOW ZONE SUBCROP
- DEWATERED AREA OF FLOW ZONE
- 555 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (556.59) FT AMSL (~554) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FEET ABOVE MEAN SEA LEVEL
- TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.

ABP-7-06 (~554)
B2U-06 (553.67)
AGW-1U-06 (553.87)
J6-06 (555.25)
AFW-1U-06 (556.28)
C3-06 (~551)
PW-9U (553.30)
PW-10U (562.30)
J2M-06 (556.86)
PW-8U (566.30)
PW-8M (~547)
PW-7U (574.30)
PW-1U (549.40)
J5M-06 (548.05)
PMW-1U-06 (548.79)
D2U-06 (548.38)
D1U-06 (547.70)
PW-2M (~543)
PW-3M (~540)
I1-06 (551.40)
AFW-2U-06 (~548)
H2M-06 (585.76)
F4M-06 (551.31)
PW-6UMR (~534)
H5-06 (589.00)
F2M-06 (545.84)
G1M-06 (570.19)
E6-06 (570.19)
G6-06 (570.68)
F6-06 (570.22)

550 560 555 560 565 570 585 580 560 565 570

TOWN OF LEWISTON
TOWN OF NIAGARA
HYDE PARK LANDFILL

0 600'
SCALE IN FEET

FZ-06 POTENTIOMETRIC SURFACE - SEPTEMBER 9, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

PROJECT NO: TR1045 | OCTOBER 2025 | FIGURE 5

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT40-2025 Q3\DWGS\SHEETS\TR1045.05-RPT140-2025 Q3-FZ-06 - Jon.Hillman 10/28/25

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- DEWATERED AREA OF FLOW ZONE
- 560 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (556.30) FT AMSL (~536) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FEET ABOVE MEAN SEA LEVEL
- TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.

ABP-1-07 (547.57)
APW-1 (~536)
AGW-1M-07 (556.30)
J6-07 (556.42)
ABP-7-07 (~534)
B2M-07 (532.07)
AFW-1M-07 (~534)
C3-07 (541.13)
PW-8M (~527)
J5M-07 (556.57)
PMW-1M-07 (530.06)
D2M-07 (~524)
PW-2M (~523)
PW-3M (520.30)
D1M-07 (525.16)
I1-07 (551.64)
AFW-2M-07 (~528)
F4M-07 (523.05)
PW-6UMR (~514)
H5-07 (556.09)
F2M-07 (517.24)
G1M-07 (567.94)
E6-07 (554.72)
G6-07 (568.99)
F6-07 (567.41)

545 535 555 565 525

TOWN OF LEWISTON
NIAGARA
HYDE PARK LANDFILL

0 600'
SCALE IN FEET

FZ-07 POTENTIOMETRIC SURFACE - SEPTEMBER 9, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 6

PROJECT NO: TR1045 | OCTOBER 2025

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACCACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT40-2025 Q3\DWGS\SHEETS\TR1045.05-RPT140-2025 Q3-FZ-07 - Jon.Hillman 10/28/25

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- DEWATERED AREA OF FLOW ZONE
- 540 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (540.75) FT AMSL (~528) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FEET ABOVE MEAN SEA LEVEL
- TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.

ABP-1-09 (535.39)
APW-1 (~528)
APW-2 (~527)
ABP-7-09 (532.21)
B2M-09 (531.71)
AGW-1M-09 (555.93)
J6-09 (563.50)
J2M-09 (556.27)
AFW-1M-09 (~525)
C3-09 (540.75)
PW-1L (~519)
PW-8M (524.50)
PMW-1M-09 (~517)
J5M-09 (556.31)
D1M-09 (522.35)
D2M-09 (516.28)
PW-2M (515.20)
PW-3M (520.30)
I1-09 (564.34)
AFW-2M-09 (521.03)
H2M-09 (552.89)
F4M-09 (516.07)
PW-6UMR (~506)
H5-09 (551.36)
F2M-09 (516.08)
G1M-09 (570.40)
E6-09 (553.99)
G6-09 (568.66)
F6-09 (569.73)

530 540 520 550 560

0 600'
SCALE IN FEET

FZ-09 POTENTIOMETRIC SURFACE - SEPTEMBER 9, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 7

PROJECT NO: TR1045 | OCTOBER 2025

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&MPROJECT FILES\CADD\05_HYDE PARK\RPT140-2025 Q3\DWGS\SHEETS\TR1045.05-RPT140-2025 Q3-FZ-09 - Jon.Hillman 10/28/25

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- 550 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (556.18) FT AMSL — POTENTIOMETRIC ELEVATION (FT AMSL); FEET ABOVE MEAN SEA LEVEL

APW-1 (513.00)
APW-2 (522.40)
AGW-1L-11 (585.56)
B2L-11 (498.53)
AFW-1L-11 (505.67)
PW-1L (499.40)
PMW-1L-11 (514.10)
PW-2L (495.30)
D2L-11 (523.86)
D1L-11 (502.07)
PW-3L (517.80)
J6-11 (584.13)
J5L-11 (548.06)
I1-11 (548.01)
H2L-11 (554.11)
AFW-2L-11 (495.91)
F4L-11 (574.43)
H5-11 (544.71)
F2L-11 (554.61)
G1L-11 (556.18)
E6-11 (529.97)
G6-11 (559.01)
F6-11 (526.03)

505 515 525 535 545 555 565 575

TOWN OF LEWISTON
NIAGARA
HYDE PARK LANDFILL

0 600'
SCALE IN FEET

FZ-11 POTENTIOMETRIC SURFACE - SEPTEMBER 9, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 8

PROJECT NO: TR1045 | OCTOBER 2025

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT140-2025 Q3\DWGS\SHEETS\TR1045.05-RPT140-2025 Q3-FZ-11 - Jon.Hillman 10/28/25

LEGEND

- WELL USED IN CONTOURING
- WELL CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- OBCWS WET WELLS PUMPED FOR RECOVERY. POSTED LEVELS INDICATE THE PUMPING SETPOINTS. SETPOINT LEVELS WERE USED FOR CONTOURING.
- EXISTING BARRIER COLLECTION SYSTEM
- OVERBURDEN BARRIER COLLECTION SYSTEM
- 585 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (571.72) FT AMSL — POTENTIOMETRIC ELEVATION (FT AMSL)
- (DRY) — FEET ABOVE MEAN SEA LEVEL
- (sp. 583.00) — WELL DRY AT THE TIME OF MEASUREMENT
- SETPOINT LEVEL

CMW-1OB (571.60)
CMW-2OB (580.23)
CMW-3OB (571.64)
CMW-4OB (571.56)
CMW-5OB (SURCHARGED)
CMW-6OB (571.72)
CMW-7OB (DRY)
CMW-8OB (DRY)
CMW-9OB (DRY)
CMW-11OB (568.87)
CMW-12OB (571.19)
OMW-1 (DRY)
OMW-2 (DRY)
OMW-3 (585.77)
OMW-4R (587.60)
OMW-5R (579.93)
OMW-6 (585.44)
OMW-7 (583.03)
OMW-8R2 (DRY)
OMW-9 (586.6)
OMW-10R (585.91)
OMW-11R (591.12)
OMW-12R (591.70)
OMW-13R (593.71)
OMW-14R (593.97)
OMW-15 (599.69)
OMW-16R (DRY)
WW-C (sp. 583.00)
WW-D (sp. 580.00)

570 575 580 585 590 595 600

TOWN OF LEWISTON
NIAGARA
HYDE PARK LANDFILL

0 600'
SCALE IN FEET

OVERBURDEN POTENTIOMETRIC SURFACE - SEPTEMBER 9, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 9

PROJECT NO: TR1045 | OCTOBER 2025

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&MPROJECT FILES\CADD\05_HYDE PARK\RPT40-2025 Q3\DWGS\SHEETS\TR1045.05-RPT140-2025 Q3-OB - Jon.Hillman 10/28/25

Note: The transducer was down from early July 2025 through October 1, 2025 while awaiting a replacement transducer and installation. Manual water levels were collected at the beginning of the month to monitor hydraulic levels while awaiting replacement

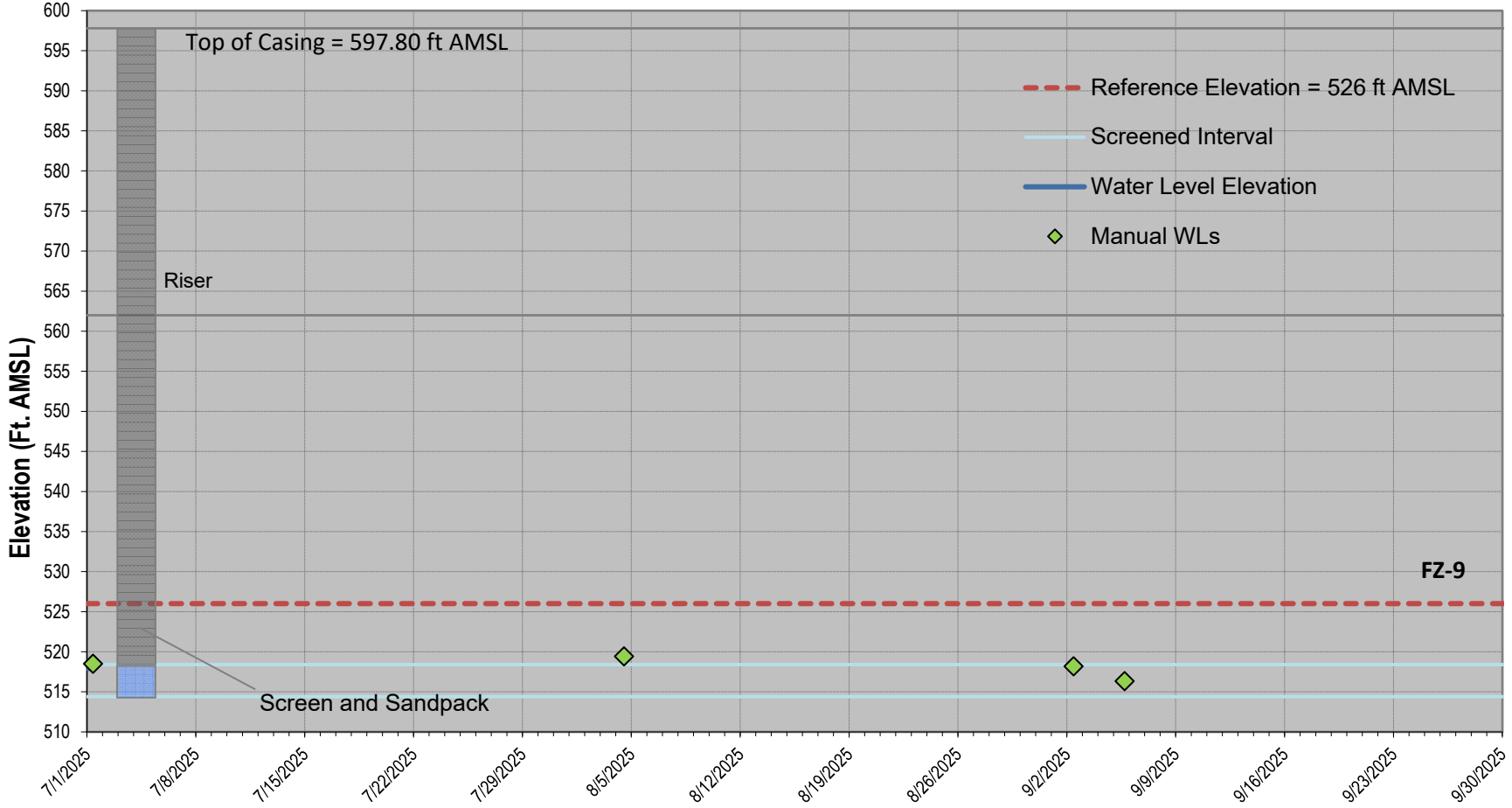


Figure 10

PMW-1M-09 3rd Quarter 2025 - Hourly Water Level Elevation
3rd Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.

Table 1

Groundwater Elevation Summary
Third Quarter - 2025
Hyde Park RRT Program

Hydraulic Monitoring Completed 09 September 2025

Well	Reference Elevation (ft AMSL)	Depth to Water (BTOR)(ft)	Groundwater Elevation (ft AMSL)
Overburden			
CMW-2OB	590.79	10.56	580.23
CMW-3OB	582.13	10.49	571.64
CMW-4OB	574.28	2.72	571.56
CMW-5OB	583.43	Surcharged	> 583.43
CMW-6OB	571.89	0.17	571.72
CMW-7OB	611.00	Dry @ 4.89	< 606.11
CMW-8OB	616.11	Dry @ 3.29	< 612.82
CMW-9OB	571.76	Dry @ 2.68	< 569.08
CMW-1OB	576.80	5.20	571.60
CMW-11OB	572.85	3.98	568.87
CMW-12OB	594.74	23.55	571.19
MH20	605.87	4.65	601.22
MH21	599.77	6.26	593.51
MH22	593.37	Dry @ 7.25	< 586.12
MH23	587.05	Dry @ 12.25	< 574.8
MH24	582.57	8.20	574.37
MH25	583.82	7.85	575.97
MH26	584.48	8.96	575.52
MH27	586.12	10.51	575.61
MH28	585.23	10.42	574.81
MH29	604.58	12.52	592.06
MH30	599.49	10.05	589.44
MH31	590.10	9.65	580.45
MH32	592.01	9.66	582.35
MH33	592.51	8.72	583.79
MH34	598.34	7.20	591.14
MH35	605.69	6.55	599.14
MH35A	605.69	7.50	598.19
OMW-1	605.28	Dry @ 9.14	< 596.14
OMW-2	605.99	Dry @ 6.92	< 599.07
OMW-3	598.63	12.86	585.77
OMW-4R	601.17	13.57	587.60
OMW-5R	591.31	11.38	579.93
OMW-6	587.62	2.18	585.44
OMW-7	592.74	9.71	583.03
OMW-8R2	594.67	Dry @ 10.85	< 583.82
OMW-9	595.27	8.67	586.60
OMW-10R	595.13	9.22	585.91
OMW-11R	597.52	6.40	591.12
OMW-12R	596.71	5.50	591.70
OMW-13R	601.50	7.79	593.71
OMW-14R	599.64	5.67	593.97
OMW-15	607.48	7.79	599.69
OMW-16R	607.62	Dry @ 8.80	< 598.82
SC-2	625.61	22.62	602.99
SC-3	638.72	40.02	598.70
SC-4	639.35	39.64	599.71
SC-5	634.07	31.72	602.35
SC-6	631.15	22.70	608.45

Notes:

BTOR - Below Top Of Riser
ft AMSL - Feet above mean sea level
Surcharged - Well surcharged at the time of measurement
Dry - No water present at the time of the measurement; measurement is bottom of well

Table 1

Groundwater Elevation Summary
Third Quarter - 2025
Hyde Park RRT Program

Hydraulic Monitoring Completed 09 September 2025

Well	Reference Elevation (ft AMSL)	Depth to Water (BTOR)(ft)	Groundwater Elevation (ft AMSL)
Shallow Bedrock			
CMW-1SH	576.11	13.38	562.73
CMW-2SH	590.51	19.62	570.89
CMW-3SH	581.91	28.12	553.79
CMW-4SH	574.16	8.08	566.08
CMW-5SH	583.36	9.38	573.98
CMW-6SH	572.05	10.53	561.52
CMW-7SH	610.58	14.30	596.28
CMW-8SH	615.95	11.10	604.85
CMW-9SH	571.96	12.17	559.79
CMW-11SH	573.21	12.69	560.52
CMW-12SH	597.02	19.70	577.32
Flow Zone 1			
G1U-01	617.08	19.05	598.03
G6-01	609.24	11.20	598.04
H2U-01	620.92	16.29	604.63
H5-01	617.61	21.22	596.39
I1-01	625.58	28.53	597.05
Flow Zone 2			
F2U-02	599.89	26.17	573.72
F4U-02	602.32	17.50	584.82
G1-02	616.86	27.47	589.39
G6-02	608.65	19.45	589.20
H2U-02	620.88	29.69	591.19
H5-02	617.47	26.29	591.18
I1-02	625.47	41.26	584.21
J2U-02	609.66	20.32	589.34
J5U-02	606.21	16.00	590.21
J6-02	609.23	18.51	590.72
Flow Zone 4			
AFW-2U-04	593.48	19.36	574.12
D1U-04	593.77	14.99	578.78
D2U-04	590.65	13.85	576.80
E6-04	578.23	13.36	564.87
F2U-04	599.76	24.07	575.69
F4U-04	602.19	17.52	584.67
F6-04	588.06	18.79	569.27
G1U-04	616.96	27.51	589.45
G6-04	609.15	19.67	589.48
H5-04	617.40	26.31	591.09
I1-04	625.30	41.78	583.52
J2U-04	609.42	22.44	586.98
J5U-04	606.05	21.29	584.76
J6-04	609.12	30.82	578.30

Notes:

BTOR - Below Top Of Riser
ft AMSL - Feet above mean sea level
Surcharged - Well surcharged at the time of measurement
Dry - No water present at the time of the measurement; measurement is bottom of well

Table 1

Groundwater Elevation Summary
Third Quarter - 2025
Hyde Park RRT Program

Hydraulic Monitoring Completed 09 September 2025

Well	Reference Elevation (ft AMSL)	Depth to Water (BTOR)(ft)	Groundwater Elevation (ft AMSL)
Flow Zone 5			
AFW-2U-05	593.33	19.33	574.00
AGW-1U-05	591.80	10.36	581.44
D1U-05	593.51	15.00	578.51
D2U-05	590.56	11.98	578.58
E6-05	578.04	13.17	564.87
F2U-05	599.64	23.43	576.21
F4U-05	602.06	20.20	581.86
F6-05	587.85	18.68	569.17
G6-05	609.13	19.82	589.31
H2M-05	621.59	31.19	590.40
H5-05	617.31	27.22	590.09
I1-05	625.25	71.53	553.72
J2U-05	609.30	31.57	577.73
J5U-05	605.87	27.82	578.05
J6-05	609.02	31.29	577.73
PMW-1U-05	598.00	17.95	580.05
Flow Zone 6			
ABP-7-06	575.78	Dry @ 21.80	553.98
AFW-1U-06	571.83	15.55	556.28
AFW-2U-06	593.22	48.14	545.08
AGW-1U-06	591.66	37.79	553.87
B2U-06	589.29	35.62	553.67
C3-06	585.78	Dry @ 37.50	< 548.28
D1U-06	593.25	45.55	547.70
D2U-06	590.38	42.00	548.38
E6-06	577.99	7.80	570.19
F2M-06	599.06	53.22	545.84
F4M-06	602.05	50.74	551.31
F6-06	587.84	17.62	570.22
G1M-06	616.75	46.56	570.19
G6-06	609.09	38.41	570.68
H2M-06	621.42	35.66	585.76
H5-06	617.17	28.17	589.00
I1-06	625.15	73.75	551.40
J2M-06	608.94	52.08	556.86
J5M-06	606.22	58.17	548.05
J6-06	608.93	53.68	555.25
PMW-1U-06	597.92	49.13	548.79

Notes:

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Table 1

Groundwater Elevation Summary
Third Quarter - 2025
Hyde Park RRT Program

Hydraulic Monitoring Completed 09 September 2025

Well	Reference Elevation (ft AMSL)	Depth to Water (BTOR)(ft)	Groundwater Elevation (ft AMSL)
Flow Zone 7			
ABP-1-07	575.20	28.87	547.57
ABP-7-07	575.73	42.81	532.92
AFW-1M-07	571.41	Dry @ 38.72	< 532.69
AFW-2M-07	593.44	66.85	526.59
AGW-1M-07	592.91	36.61	556.30
B2M-07	589.52	57.45	532.07
C3-07	585.62	44.49	541.13
D1M-07	594.15	68.99	525.16
D2M-07	590.77	Dry @ 68.29	< 522.48
E6-07	577.91	23.19	554.72
F2M-07	598.91	81.67	517.24
F4M-07	601.91	78.86	523.05
F6-07	587.68	20.27	567.41
G1M-07	616.68	48.74	567.94
G6-07	609.06	40.07	568.99
H5-07	617.05	60.96	556.09
I1-07	625.14	73.50	551.64
J5M-07	606.07	49.50	556.57
J6-07	608.85	52.43	556.42
PMW-1M-07	598.50	68.44	530.06
Flow Zone 9			
ABP-1-09	575.19	40.10	535.39
ABP-7-09	575.67	43.46	532.21
AFW-1M-09	571.12	46.61	524.51
AFW-2M-09	593.32	72.29	521.03
AGW-1M-09	592.75	36.82	555.93
B2M-09	589.34	57.63	531.71
C3-09	585.00	44.25	540.75
D1M-09	594.02	71.67	522.35
D2M-09	590.66	74.38	516.28
E6-09	577.82	23.83	553.99
F2M-09	598.71	82.63	516.08
F4M-09	601.79	85.72	516.07
F6-09	587.53	17.80	569.73
G1M-09	616.58	46.18	570.40
G6-09	608.98	40.32	568.66
H2M-09	621.32	68.43	552.89
H5-09	616.93	65.57	551.36
I1-09	624.91	60.57	564.34
J2M-09	608.77	52.50	556.27
J5M-09	605.82	49.51	556.31
J6-09	608.76	45.26	563.50
PMW-1M-09	598.34	82.00	516.34

Notes:

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Table 1

Groundwater Elevation Summary
Third Quarter - 2025
Hyde Park RRT Program

Hydraulic Monitoring Completed 09 September 2025

Well	Reference Elevation (ft AMSL)	Depth to Water (BTOR)(ft)	Groundwater Elevation (ft AMSL)
Flow Zone 11			
AFW-1L-11	572.10	66.43	505.67
AFW-2L-11	593.43	97.52	495.91
AGW-1L-11	592.71	7.15	585.56
B2L-11	589.65	91.12	498.53
D1L-11	593.80	91.73	502.07
D2L-11	590.21	66.35	523.86
E6-11	577.72	47.75	529.97
F2L-11	598.94	44.33	554.61
F4L-11	602.22	27.79	574.43
F6-11	587.40	61.37	526.03
G1L-11	616.84	60.66	556.18
G6-11	608.89	49.88	559.01
H2L-11	620.73	66.62	554.11
H5-11	616.81	72.10	544.71
I1-11	624.75	76.74	548.01
J5L-11	607.20	59.14	548.06
J6-11	608.68	24.55	584.13
PMW-1L-11	598.84	84.74	514.10
Purge Wells			
APW-1	564.98	51.98	513.00
APW-2	569.89	47.49	522.40
PW-1L	593.16	93.76	499.40
PW-1U	593.50	43.76	549.40
PW-2L	597.29	101.99	495.30
PW-2M	596.61	81.41	515.20
PW-2UR	594.75	9.75	585.00
PW-3L	599.05	81.25	517.80
PW-3M	597.79	77.49	520.30
PW-4M	606.93	Well no longer in use-decommissioned	Well no longer in use-decommissioned
PW-4U	604.85	5.05	599.80
PW-5UR	601.31	6.61	594.70
PW-6UMR	609.31	104.11	505.20
PW-6UR	608.47	71.97	536.50
PW-7U	592.47	18.17	574.30
PW-8M	592.67	68.17	524.50
PW-8U	589.27	22.97	566.30
PW-9U	587.47	34.17	553.30
PW-10U	593.54	31.24	562.30

Notes:

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Surcharged - Well surcharged at the time of measurement
Dry - No water present at the time of the measurement; measurement is bottom of well

Table 2

Leachate Treatment System Daily Effluent Monitoring Data
Third Quarter - 2025
Hyde Park RRT Program

		Effluent	
Date		**pH** (su)	**Flow** (gal)
July	07/01/2025		
	07/02/2025		
	07/03/2025	7.5	188,000
	07/04/2025		
	07/05/2025		
	07/06/2025		
	07/07/2025		
	07/08/2025		
	07/09/2025		
	07/10/2025		
	07/11/2025		
	07/12/2025		
	07/13/2025		
	07/14/2025		
	07/15/2025		
	07/16/2025	7.4	293,000
	07/17/2025	7.5	190,000
	07/18/2025		
	07/19/2025		
	07/20/2025		
	07/21/2025		
	07/22/2025		
	07/23/2025	7.4	39,000
	07/24/2025		
	07/25/2025		
	07/26/2025		
	07/27/2025		
	07/28/2025		
	07/29/2025		
	07/30/2025		
	07/31/2025		
August	08/01/2025		
	08/02/2025		
	08/03/2025		
	08/04/2025		
	08/05/2025		

Table 2

Leachate Treatment System Daily Effluent Monitoring Data
Third Quarter - 2025
Hyde Park RRT Program

		Effluent	
Date		**pH** (su)	**Flow** (gal)
	08/06/2025	7.5	191,000
	08/07/2025		
	08/08/2025	7.5	61,000
	08/09/2025		
	08/10/2025		
	08/11/2025		
	08/12/2025	7.5	215,000
	08/13/2025	7.6	241,000
	08/14/2025		
	08/15/2025		
	08/16/2025		
	08/17/2025		
	08/18/2025		
	08/19/2025		
	08/20/2025		
	08/21/2025	7.5	167,000
	08/22/2025		
	08/23/2025		
	08/24/2025		
	08/25/2025	7.5	62,000
	08/26/2025		
	08/27/2025	7.5	39,000
	08/28/2025		
	08/29/2025		
	08/30/2025		
	08/31/2025		
September	09/01/2025		
	09/02/2025		
	09/03/2025	7.5	164,000
	09/04/2025	7.5	25,000
	09/05/2025		
	09/06/2025		
	09/07/2025		
	09/08/2025		
	09/09/2025		
	09/10/2025	7.4	175,000

Table 2

Leachate Treatment System Daily Effluent Monitoring Data
Third Quarter - 2025
Hyde Park RRT Program

	Effluent	
Date	**pH** (su)	**Flow** (gal)
09/11/2025		
09/12/2025		
09/13/2025		
09/14/2025		
09/15/2025		
09/16/2025		
09/17/2025	7.5	38,000
09/18/2025	7.5	50,000
09/19/2025		
09/20/2025		
09/21/2025		
09/22/2025		
09/23/2025		
09/24/2025		
09/25/2025		
09/26/2025	7.5	169,000
09/27/2025		
09/28/2025		
09/29/2025		
09/30/2025		
	Total	2,307,000

Notes:

su - Standard unit
gal - Gallons

Table 3

Analytical Results Summary
Weekly Effluent Sampling - Leachate Treatment System
Third Quarter - 2025
Hyde Park RRT Program

Parameter	Units	Effluent 7/2/2025	7/9/2025 *	7/16/2025	7/23/2025	7/30/2025 **
Volatiles						
1,1,1-Trichloroethane	µg/L	1.0 U	-	1.0 U	1.0 U	-
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	-	1.0 U	1.0 U	-
1,1,2-Trichloroethane	µg/L	1.0 U	-	1.0 U	1.0 U	-
1,1-Dichloroethane	µg/L	1.0 U	-	1.0 U	1.0 U	-
1,1-Dichloroethene	µg/L	1.0 U	-	1.0 U	1.0 U	-
1,2,4-Trichlorobenzene	µg/L	1.0 U	-	1.0 U	1.0 U	-
1,2-Dichlorobenzene	µg/L	1.0 U	-	1.0 U	1.0 U	-
1,2-Dichloroethane	µg/L	1.0 U	-	1.0 U	1.0 U	-
1,2-Dichloropropane	µg/L	1.0 U	-	1.0 U	1.0 U	-
1,3-Dichlorobenzene	µg/L	1.0 U	-	1.0 U	1.0 U	-
1,4-Dichlorobenzene	µg/L	1.0 U	-	1.0 U	1.0 U	-
2-Chlorotoluene	µg/L	1.0 U	-	1.0 U	1.0 U	-
3-Chlorotoluene	µg/L	1.0 U	-	1.0 U	1.0 U	-
4-Chlorotoluene	µg/L	1.0 U	-	1.0 U	1.0 U	-
Benzene	µg/L	1.0 U	-	1.0 U	1.0 U	-
Bromodichloromethane	µg/L	1.0 U	-	1.0 U	1.0 U	-
Bromoform	µg/L	1.0 U	-	1.0 U	1.0 U	-
Bromomethane (Methyl bromide)	µg/L	1.0 U	-	1.0 U	1.0 U	-
Carbon disulfide	µg/L	1.0 U	-	1.0 U	1.0 U	-
Carbon tetrachloride	µg/L	1.0 U	-	1.0 U	1.0 U	-
Chlorobenzene	µg/L	1.0 U	-	1.0 U	1.0 U	-
Chloroethane	µg/L	1.0 U	-	1.0 U	1.0 U	-
Chloroform (Trichloromethane)	µg/L	1.0 U	-	1.0 U	1.0 U	-
Chloromethane (Methyl chloride)	µg/L	1.0 U	-	1.0 U	1.0 U	-
cis-1,2-Dichloroethene	µg/L	1.0 U	-	1.0 U	1.0 U	-
cis-1,3-Dichloropropene	µg/L	1.0 U	-	1.0 U	1.0 U	-
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	-	1.0 U	1.0 U	-
Ethylbenzene	µg/L	1.0 U	-	1.0 U	1.0 U	-
m&p-Xylenes	µg/L	2.0 U	-	2.0 U	2.0 U	-
m-Monochlorobenzotrifluoride	µg/L	1.0 U	-	1.0 U	1.0 U	-
Methylene chloride	µg/L	1.0 U	-	1.0 U	1.0 U	-
o-Monochlorobenzotrifluoride	µg/L	1.0 U	-	1.0 U	1.0 U	-
o-Xylene	µg/L	1.0 U	-	1.0 U	1.0 U	-
p-Monochlorobenzotrifluoride	µg/L	1.0 U	-	1.0 U	1.0 U	-
Styrene	µg/L	1.0 U	-	1.0 U	1.0 U	-
Tetrachloroethene	µg/L	1.0 U	-	1.0 U	1.0 U	-
Toluene	µg/L	1.0 U	-	1.0 U	1.0 U	-
trans-1,2-Dichloroethene	µg/L	1.0 U	-	1.0 U	1.0 U	-
trans-1,3-Dichloropropene	µg/L	1.0 U	-	1.0 U	1.0 U	-
Trichloroethene	µg/L	1.0 U	-	1.0 U	1.0 U	-
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	-	1.0 U	1.0 U	-
Vinyl acetate	µg/L	2.0 U	-	2.0 U	2.0 U	-
Vinyl chloride	µg/L	**6.0**	-	**5.2**	**5.9**	-
Xylenes (total)	µg/L	3.0 U	-	3.0 U	3.0 U	-
General Chemistry						
Phenolics (total)	mg/L	**0.0031 J**	-	**0.0041 J**	0.0050 U	-

Notes:

* - No sample collected; treatment system down for maintenance and repairs on the sand filter.

** - No sample collected; treatment system down for troubleshooting sand filter alarm.

1.5 - indicates a detection

J - Estimated concentration

B - Analyte was detected in the method blank at a concentration that may have contributed to the sample result.

U - Not detected at associated reporting limit

mg/L - milligrams per liter

Table 3

Analytical Results Summary
Weekly Effluent Sampling - Leachate Treatment System
Third Quarter - 2025
Hyde Park RRT Program

Parameter	Units	Effluent 8/6/2025	8/12/2025	8/20/2025	8/27/2025	9/3/2025
Volatiles						
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	**8.2**	1.0 U	**11**	**7.2**	**0.86 J**
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	**0.37 J**	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl acetate	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl chloride	µg/L	**6.1**	**8.9**	**12**	1.0 U	**8.9**
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
General Chemistry						
Phenolics (total)	mg/L	0.0050 U	**0.0052**	0.0050 U	0.0050 U	**0.0030 J**

Notes:

* - No sample collected; treatment system down for maintenance and repairs on the sand filter.

** - No sample collected; treatment system down for troubleshooting sand filter alarm.

1.5 - indicates a detection

J - Estimated concentration

B - Analyte was detected in the method blank at a concentration that may have contributed to the sample result.

U - Not detected at associated reporting limit

mg/L - milligrams per liter

Table 3

Analytical Results Summary
Weekly Effluent Sampling - Leachate Treatment System
Third Quarter - 2025
Hyde Park RRT Program

Parameter	Units	Effluent 9/10/2025	Effluent 9/17/2025	Effluent 9/23/2025
Volatiles				
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
2-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U
3-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U
4-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	**0.89 J**
Carbon disulfide	µg/L	1.0 U	**13.0**	**0.92 J**
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	2.0 U	2.0 U	2.0 U
m-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U
o-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U
o-Xylene	µg/L	1.0 U	1.0 U	1.0 U
p-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U
Vinyl acetate	µg/L	2.0 U	2.0 U	2.0 U
Vinyl chloride	µg/L	1.0 U	**10.0**	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U
General Chemistry				
Phenolics (total)	mg/L	**0.0036 J**	0.0050 U	**0.0035 BJ**

Notes:

* - No sample collected; treatment system down for maintenance and repairs on the sand filter.

** - No sample collected; treatment system down for troubleshooting sand filter alarm.

1.5 - indicates a detection

J - Estimated concentration

B - Analyte was detected in the method blank at a concentration that may have contributed to the sample result.

U - Not detected at associated reporting limit

mg/L - milligrams per liter

Table 4

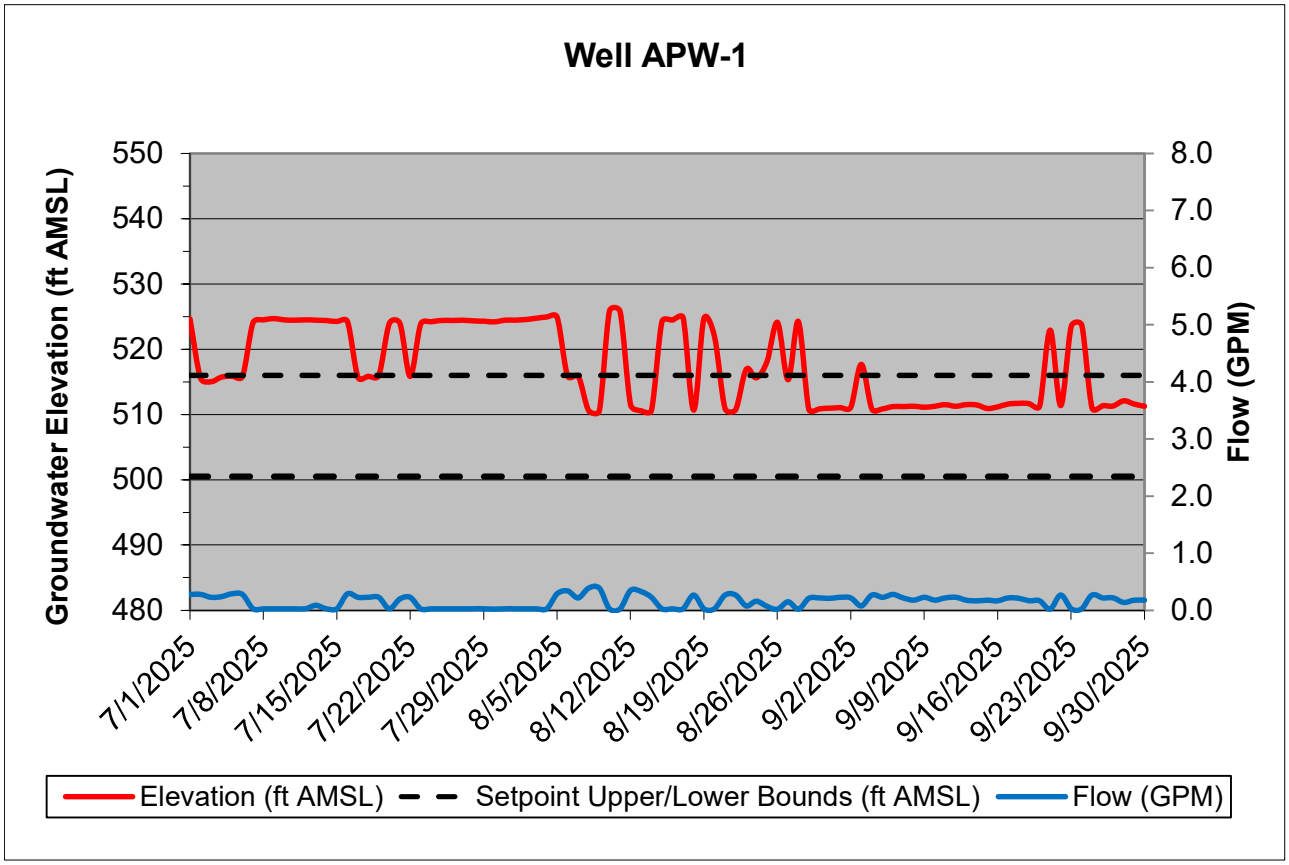
Analytical Results Summary
Quarterly Effluent Sampling - Leachate Treatment System
Third Quarter - 2025
Hyde Park RRT Program

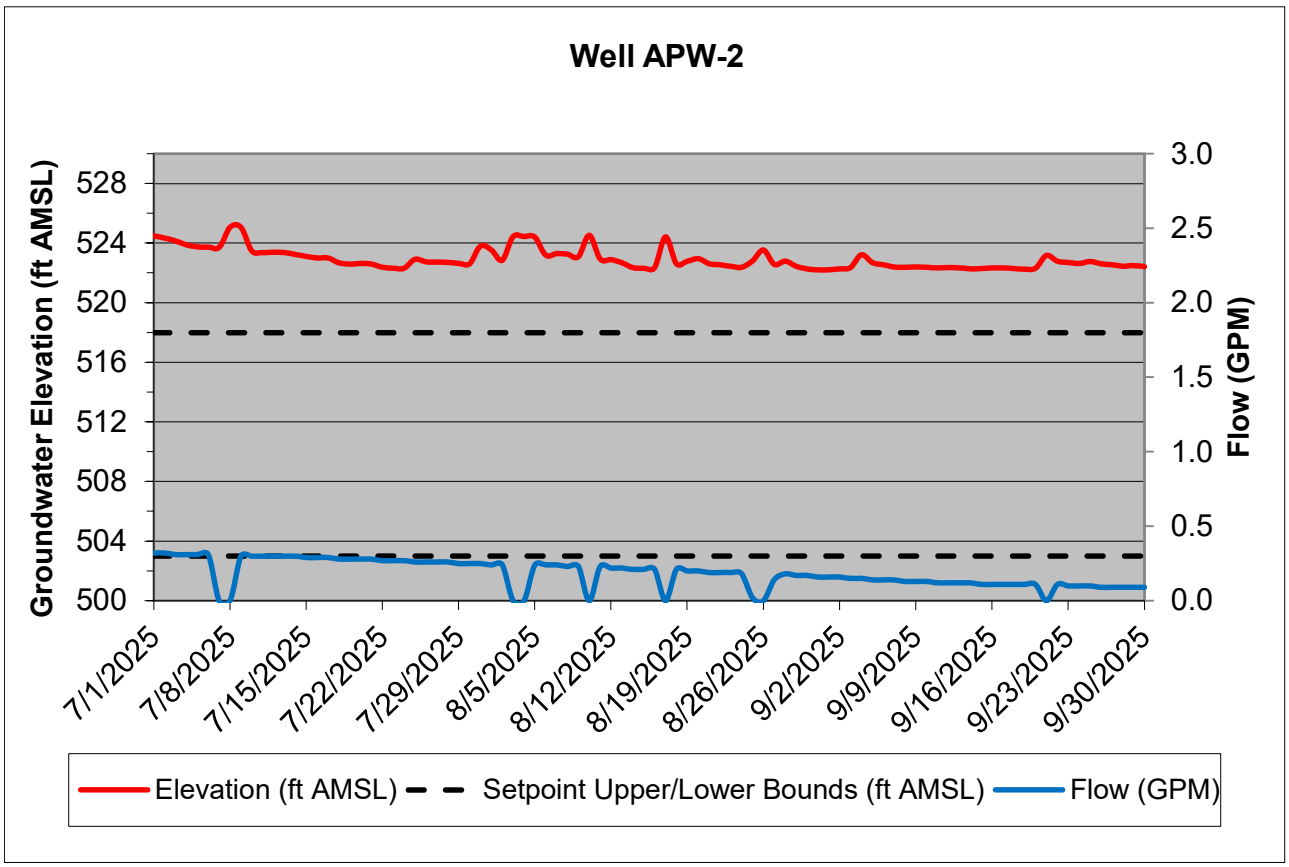
	Sample Location:	**EFFLUENT**
	Sample ID:	**EFF-090325**
	Sample Date:	**9/3/2025**
Parameters	**Units**	
Volatile Organic Compounds		
Vinyl chloride	µg/L	1.00 U
General Chemistry		
Phosphorus	mg/L	**0.115**

Notes:

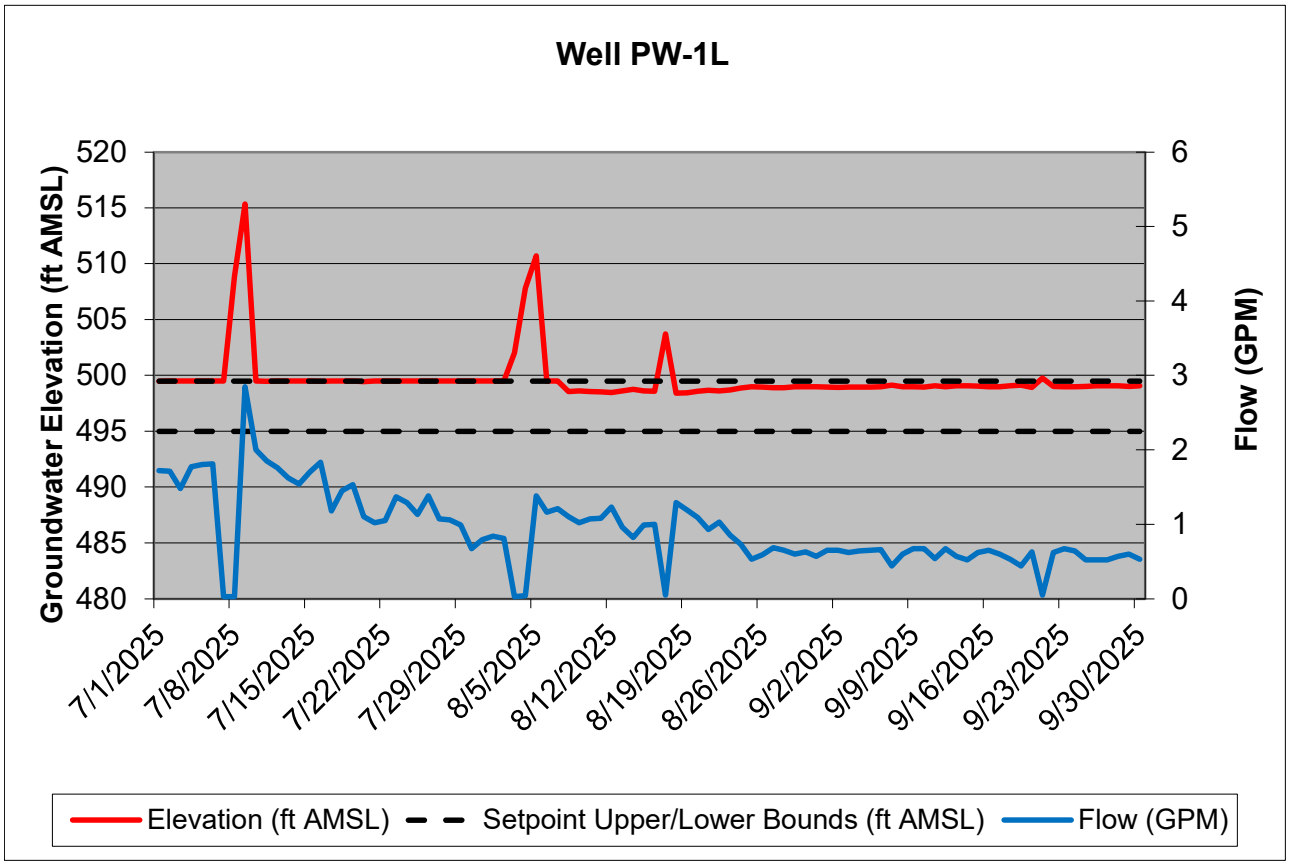
U - Not detected at associated reporting limit
µg/L - micrograms per liter
mg/L - milligrams per liter
0.098 - indicates a detection for the indicated compound

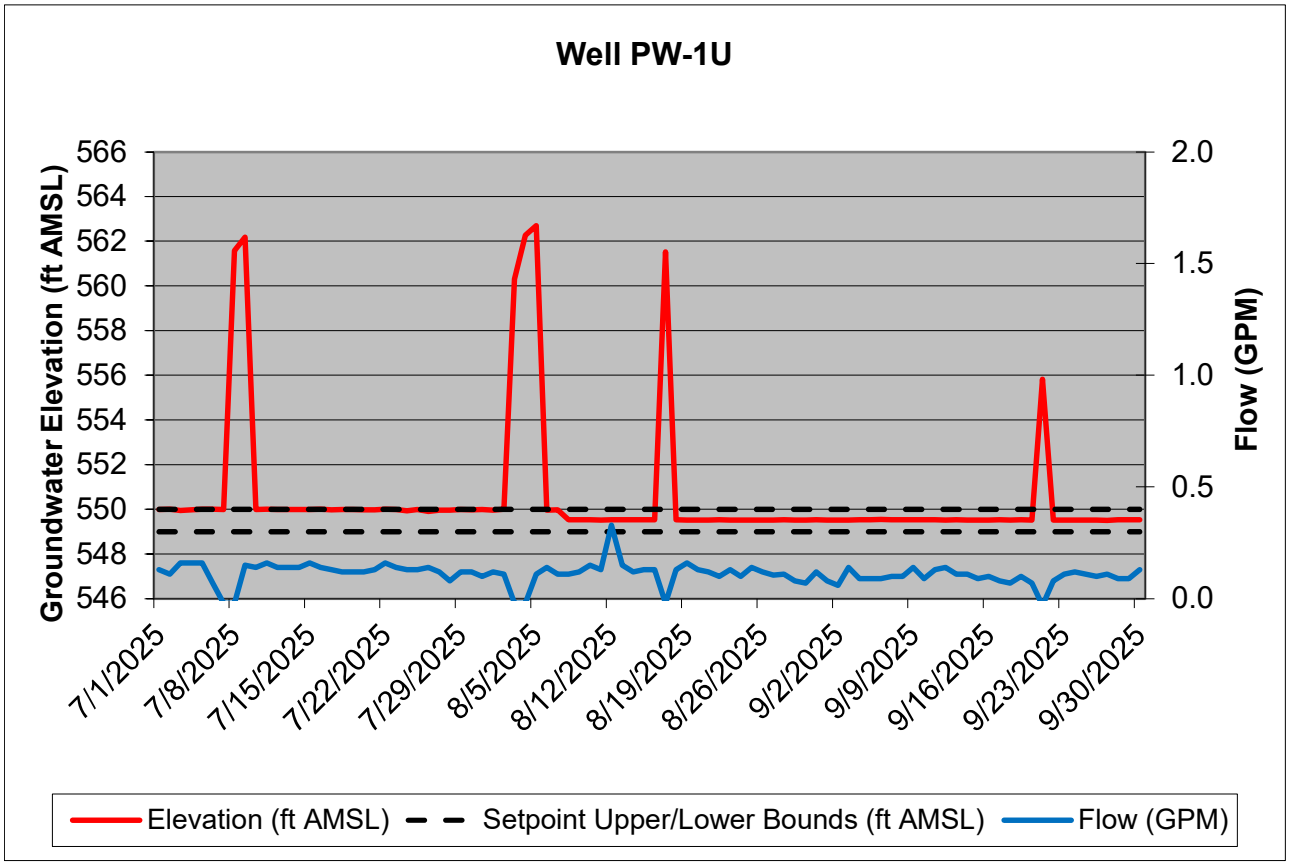
THIRD QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK



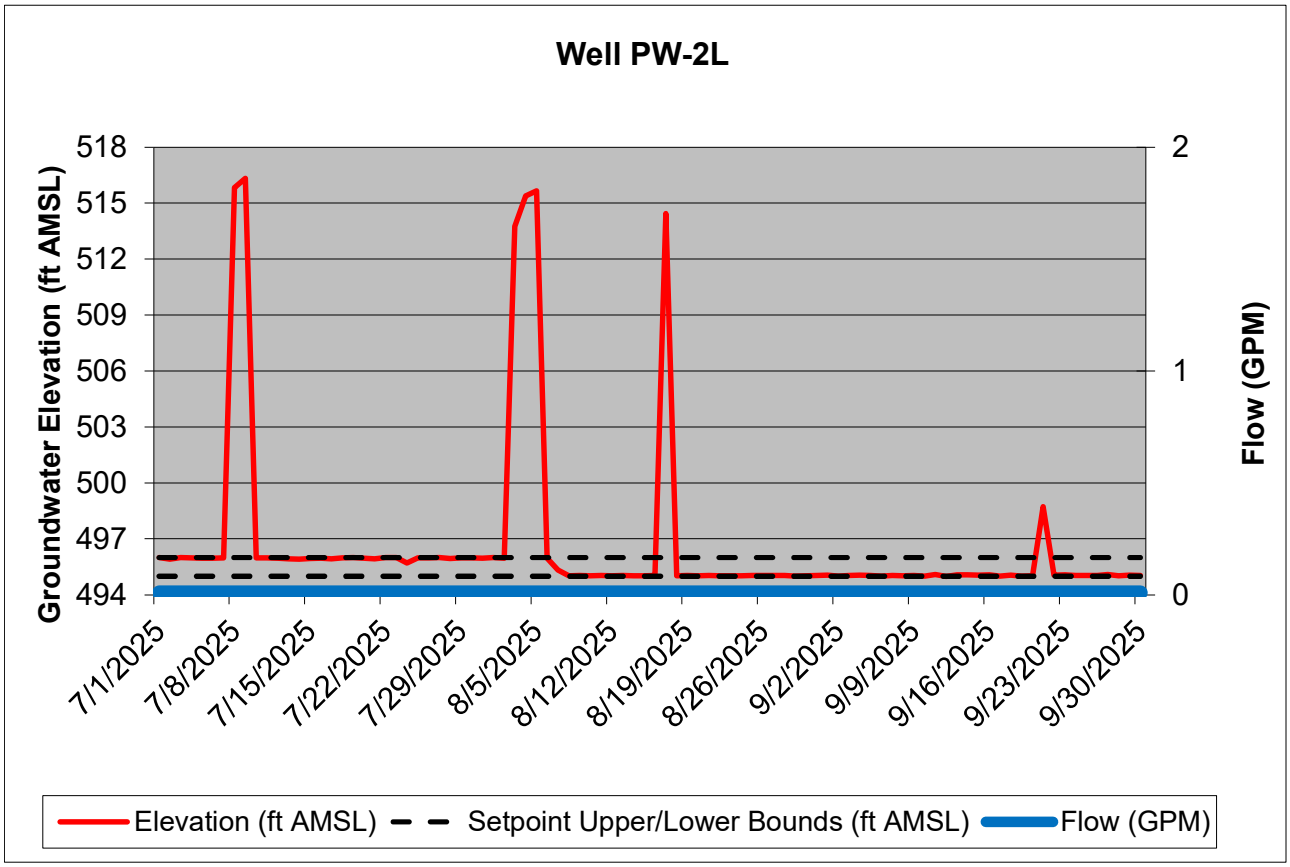


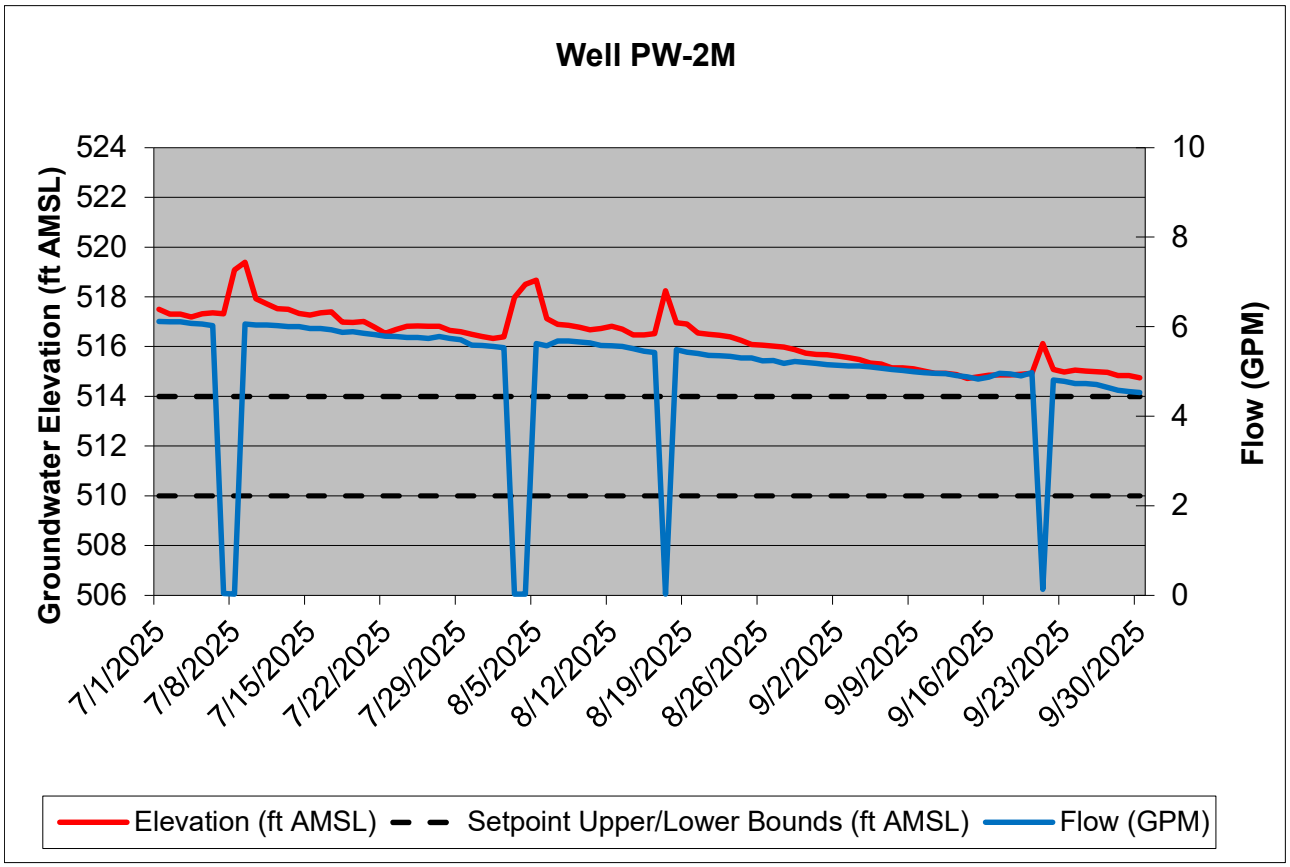
THIRD QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK



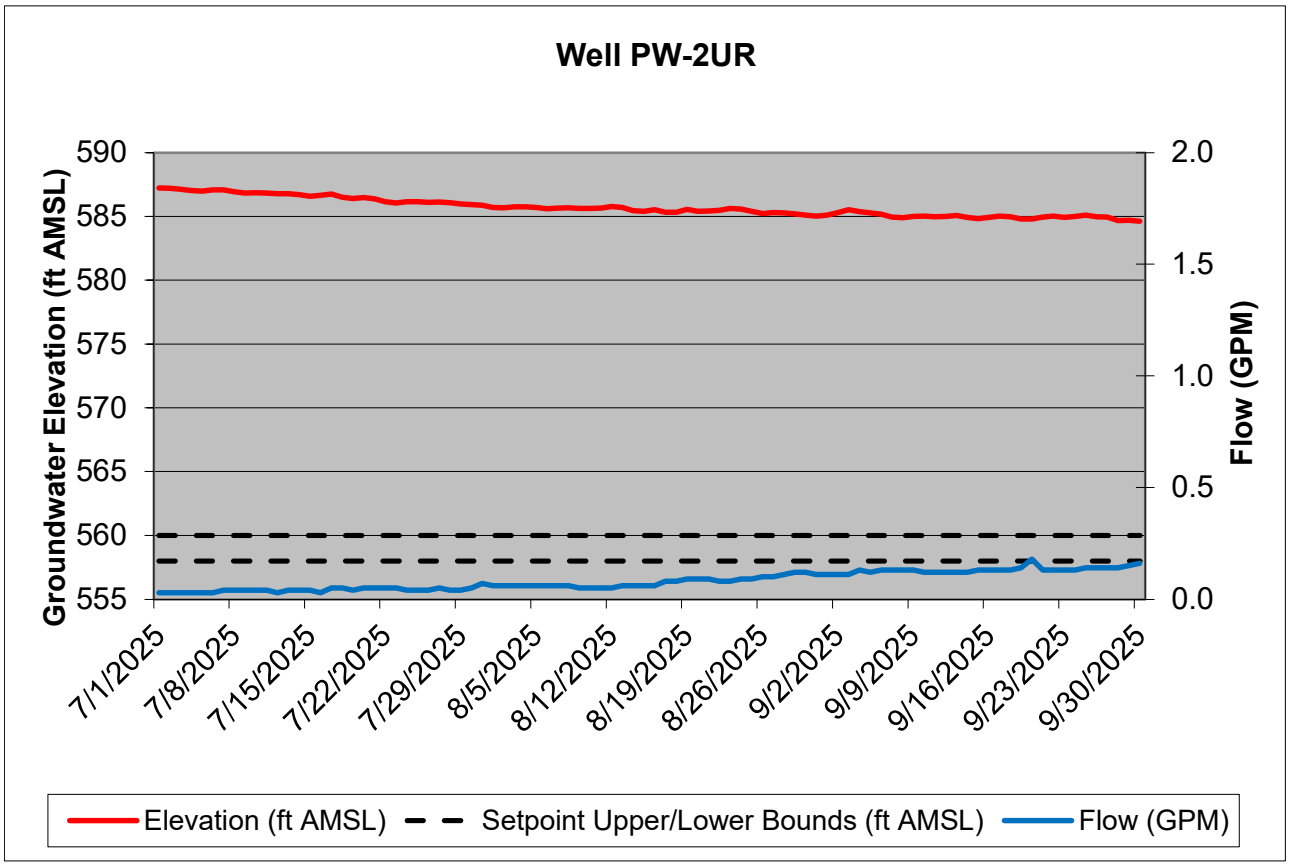


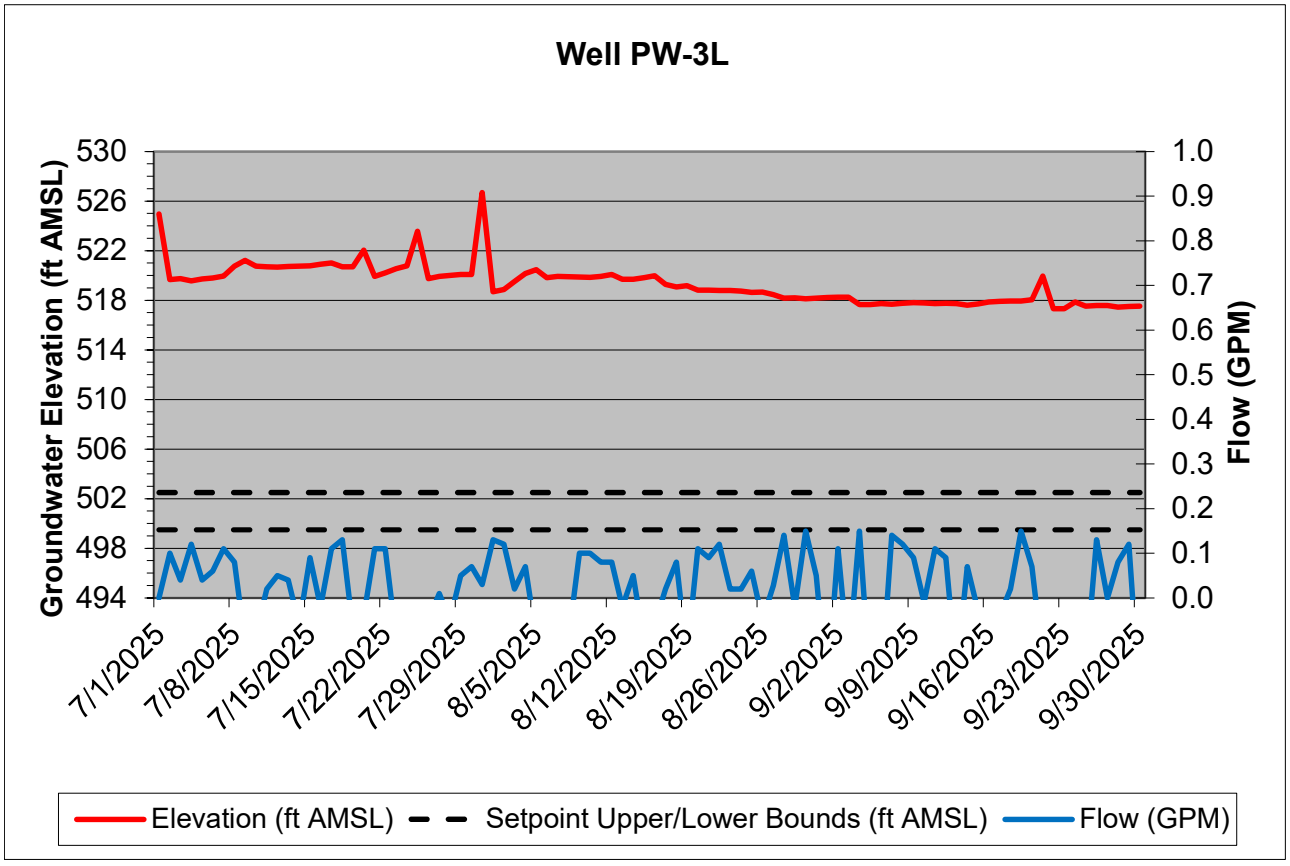
THIRD QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK





THIRD QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK





THIRD QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
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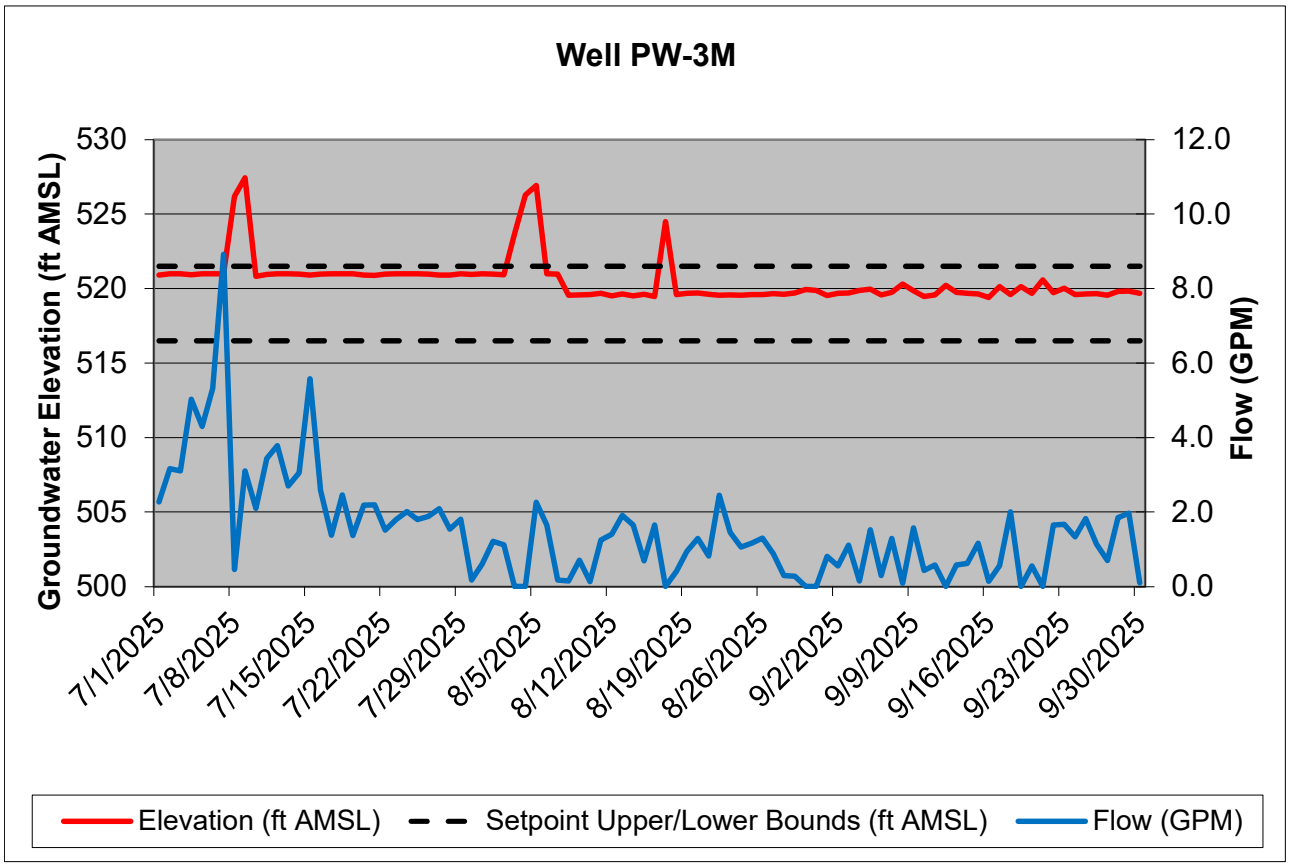
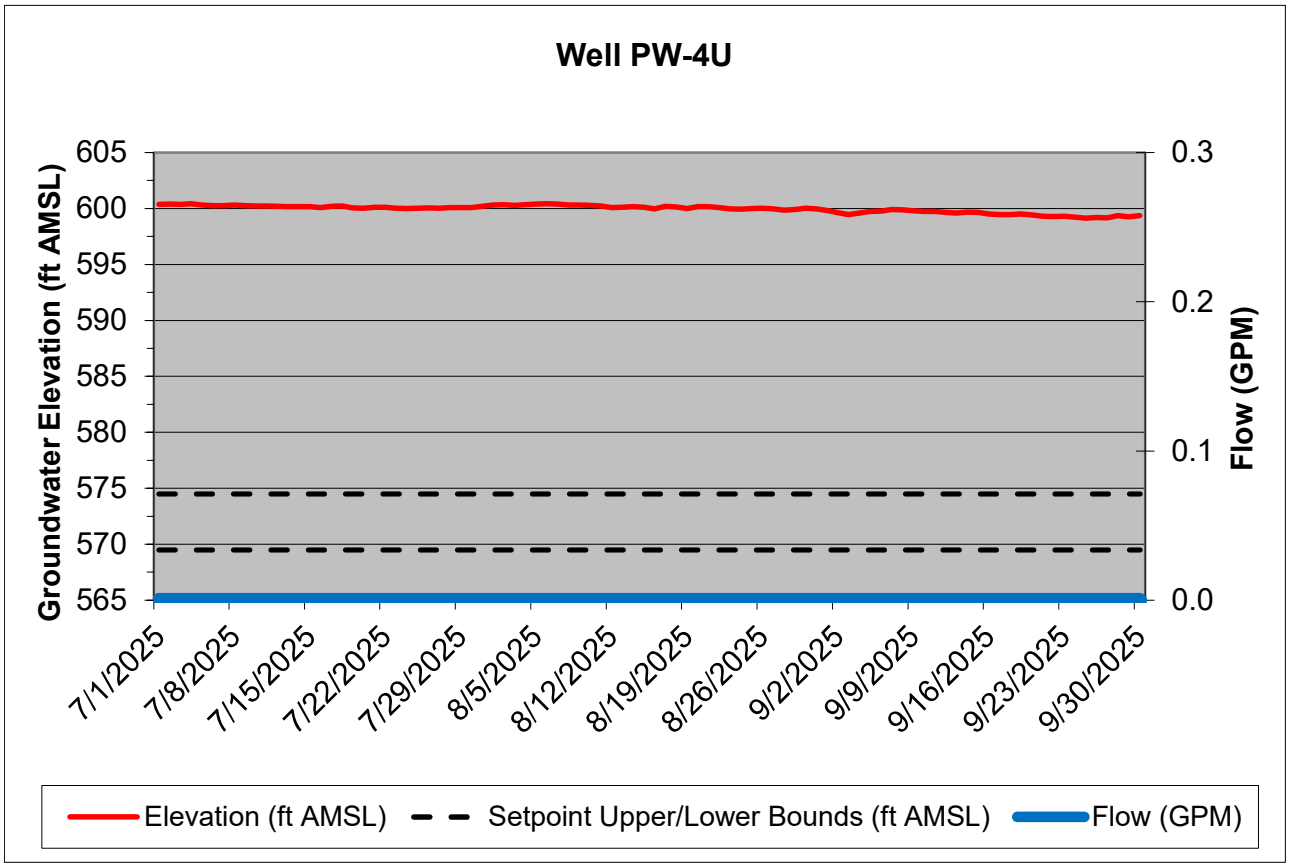
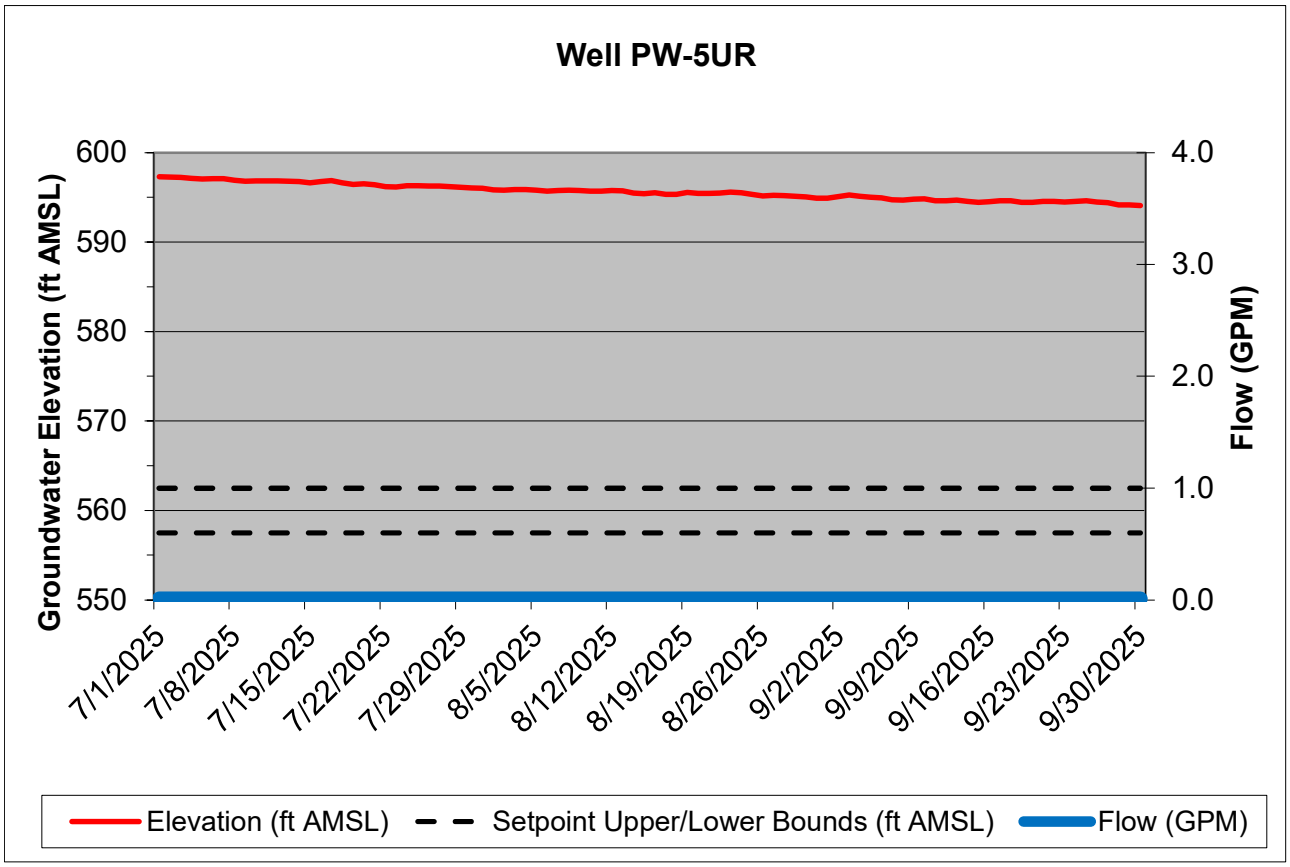
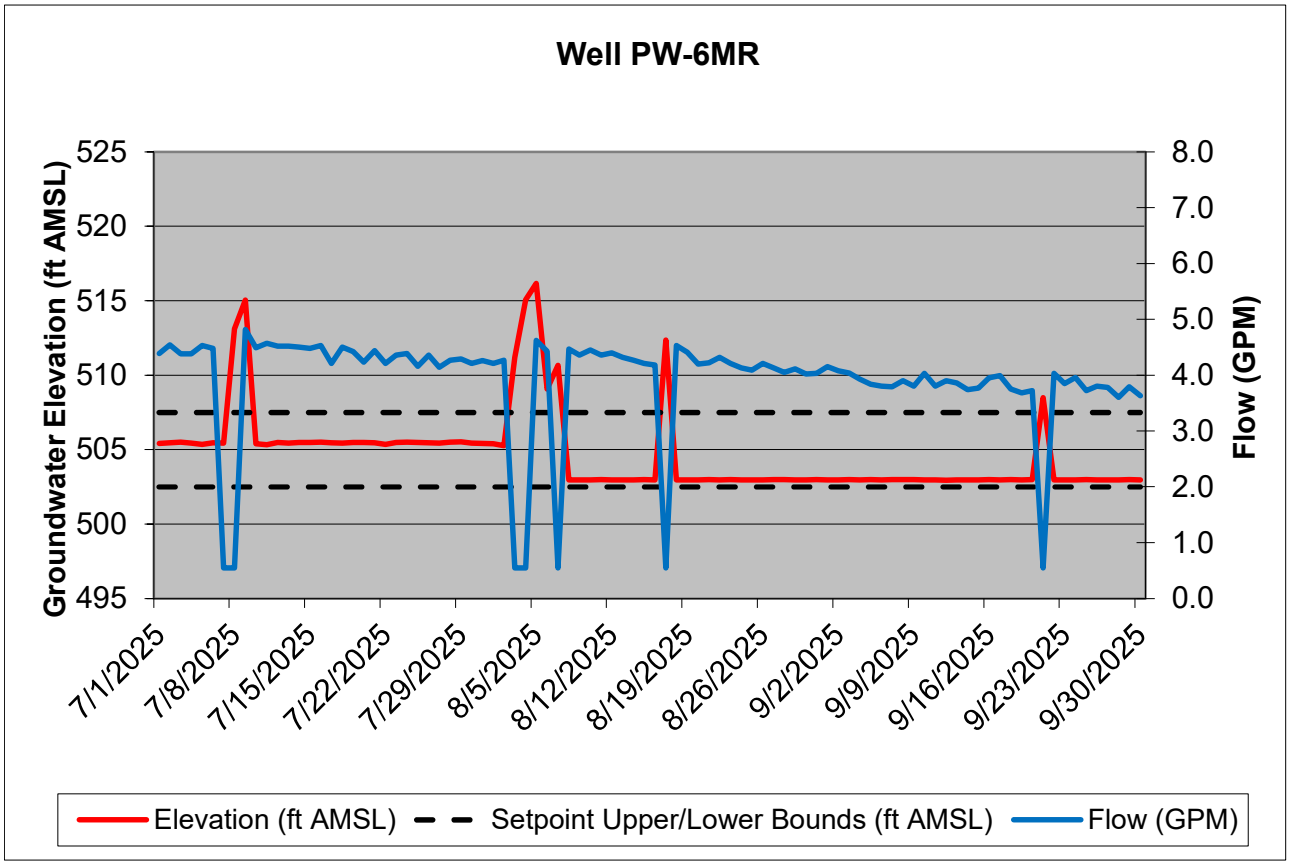


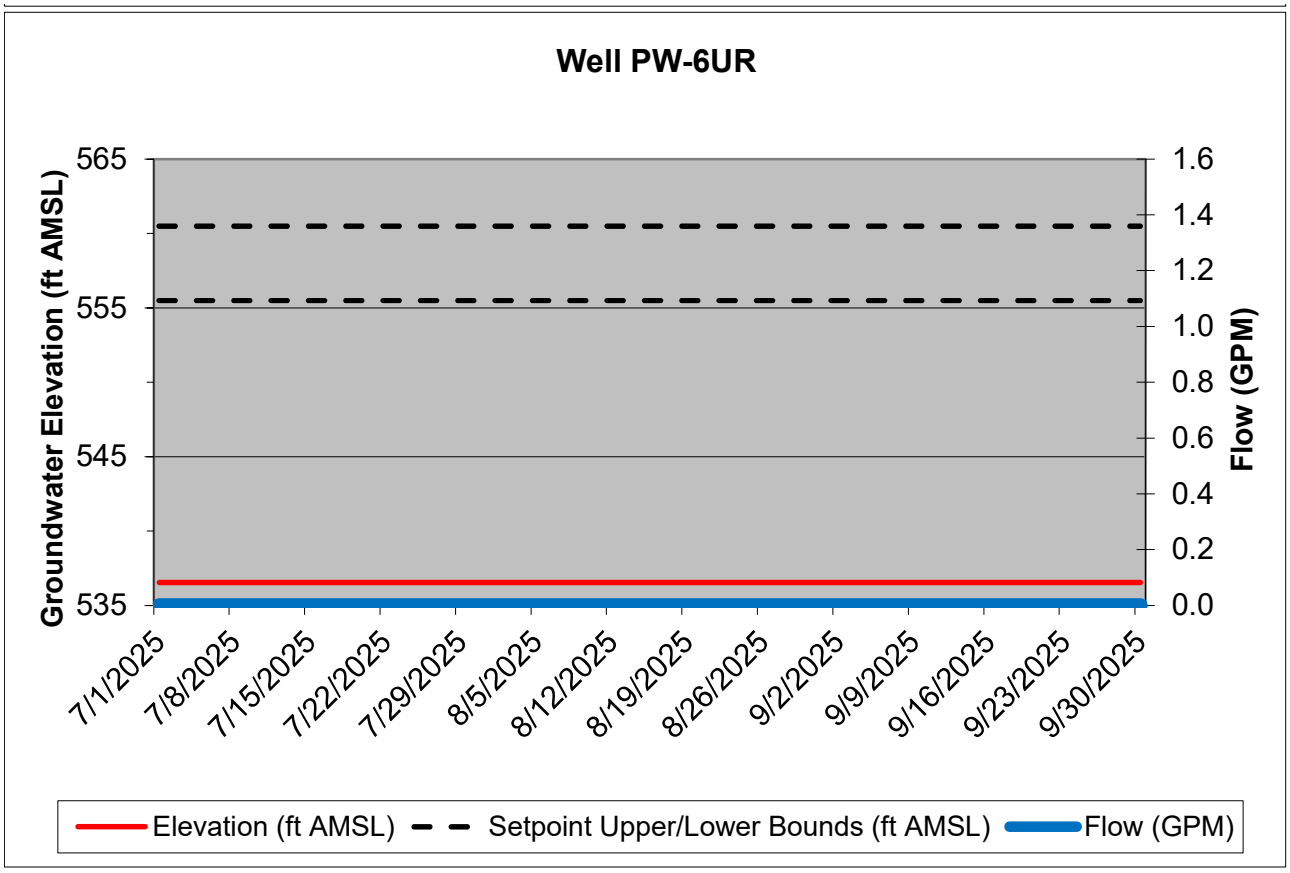


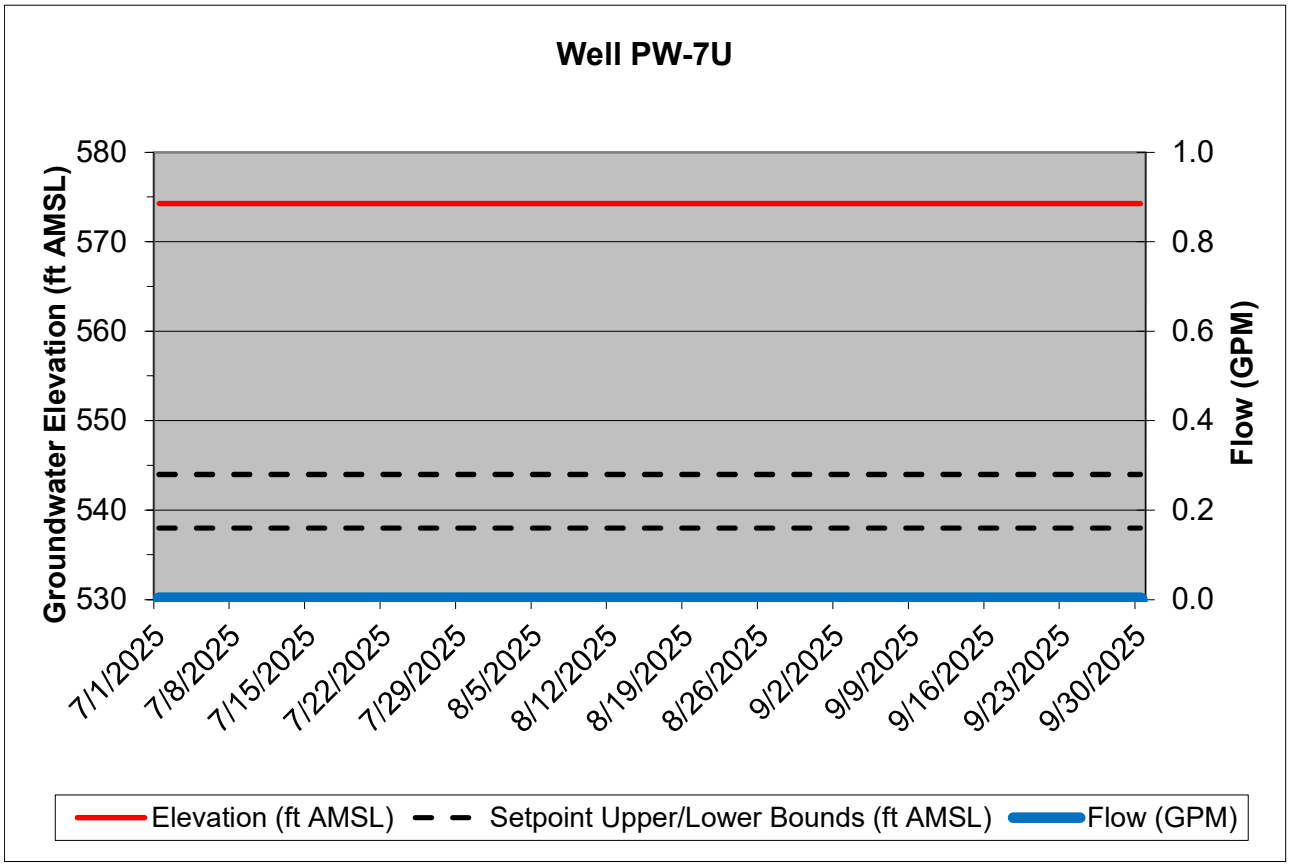
THIRD QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK



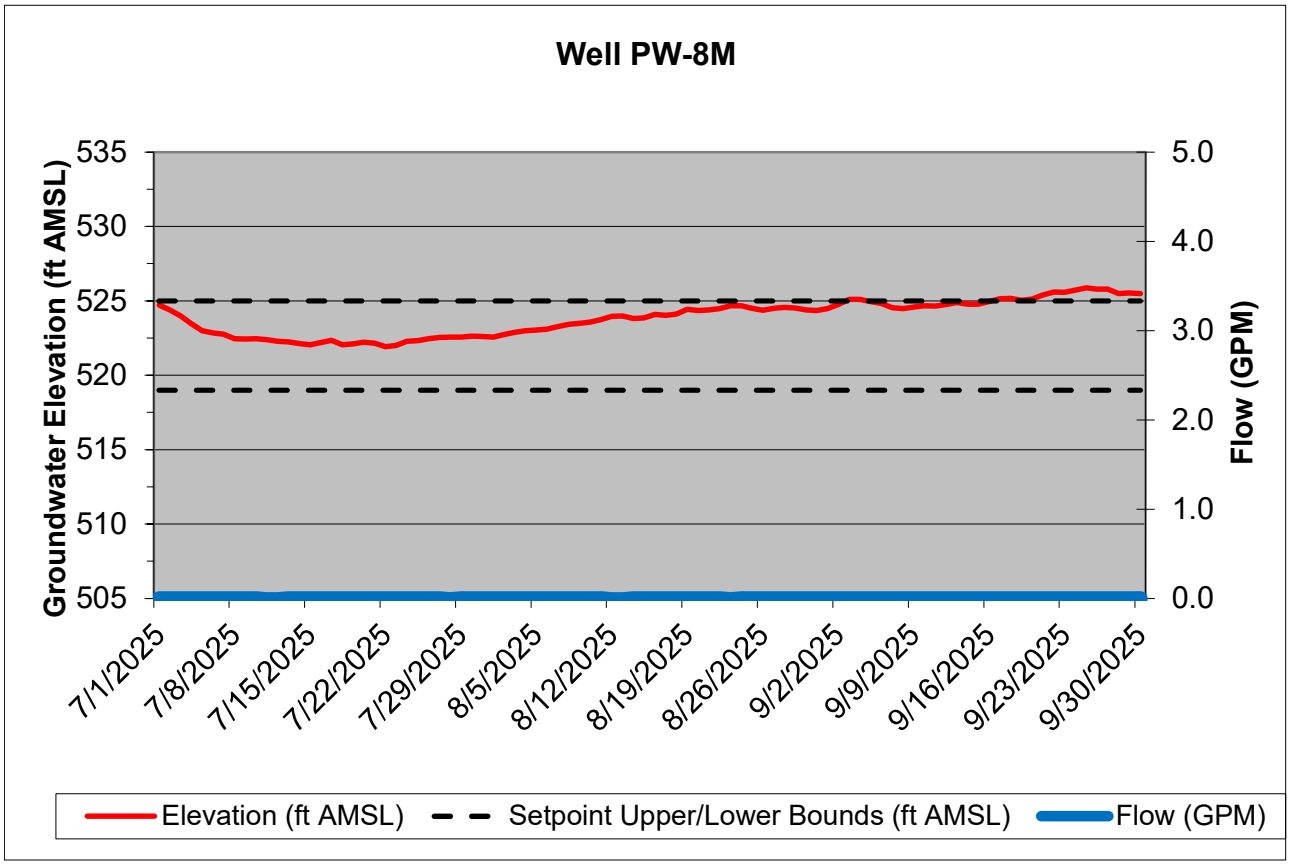


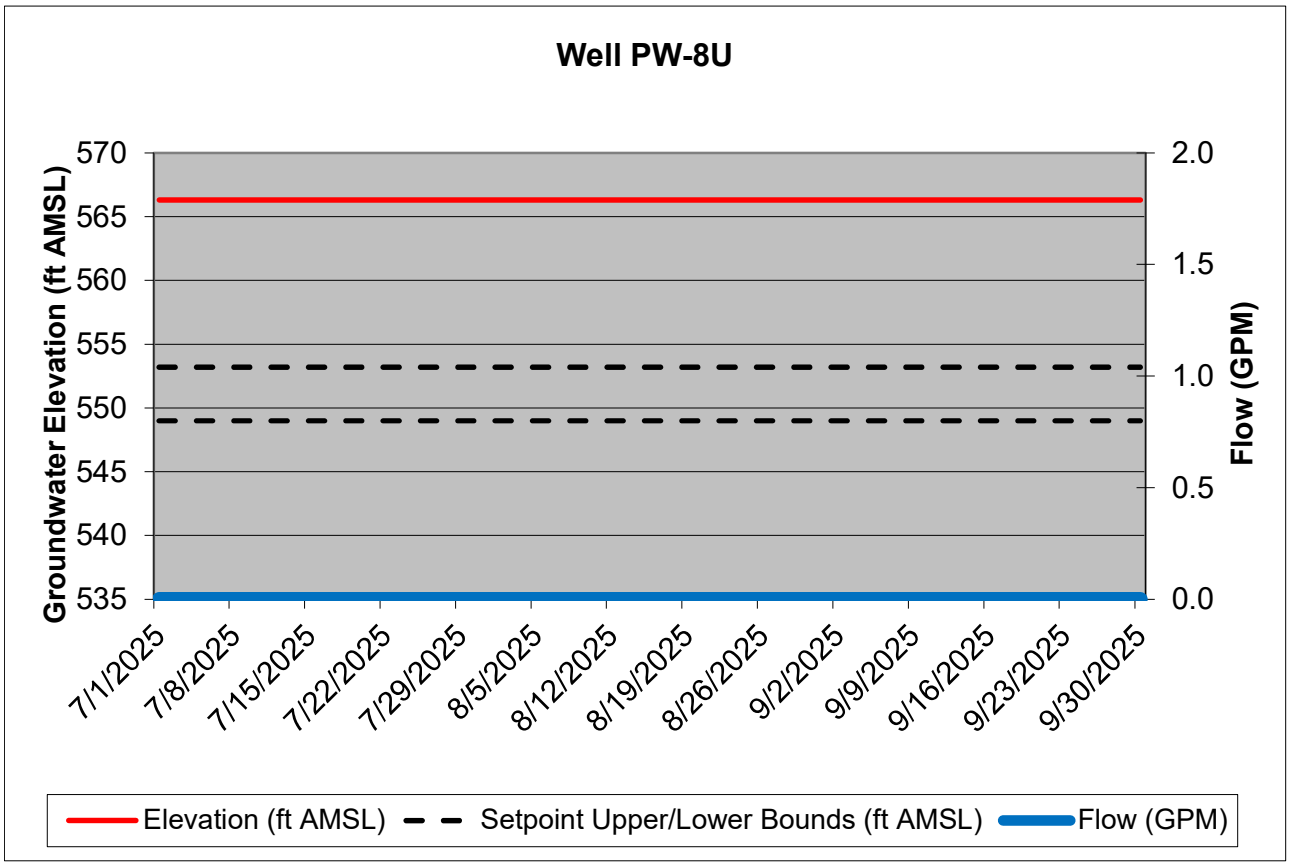
THIRD QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK



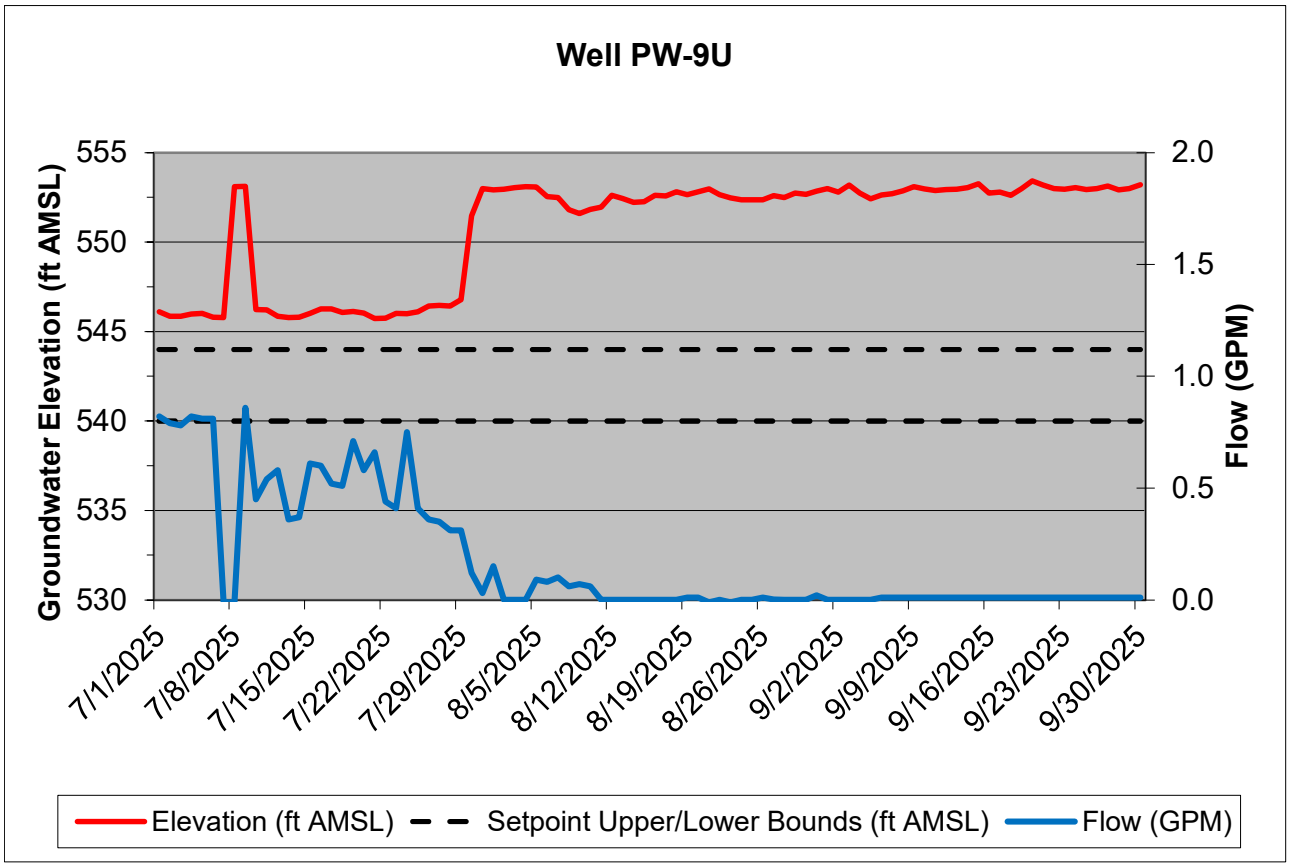


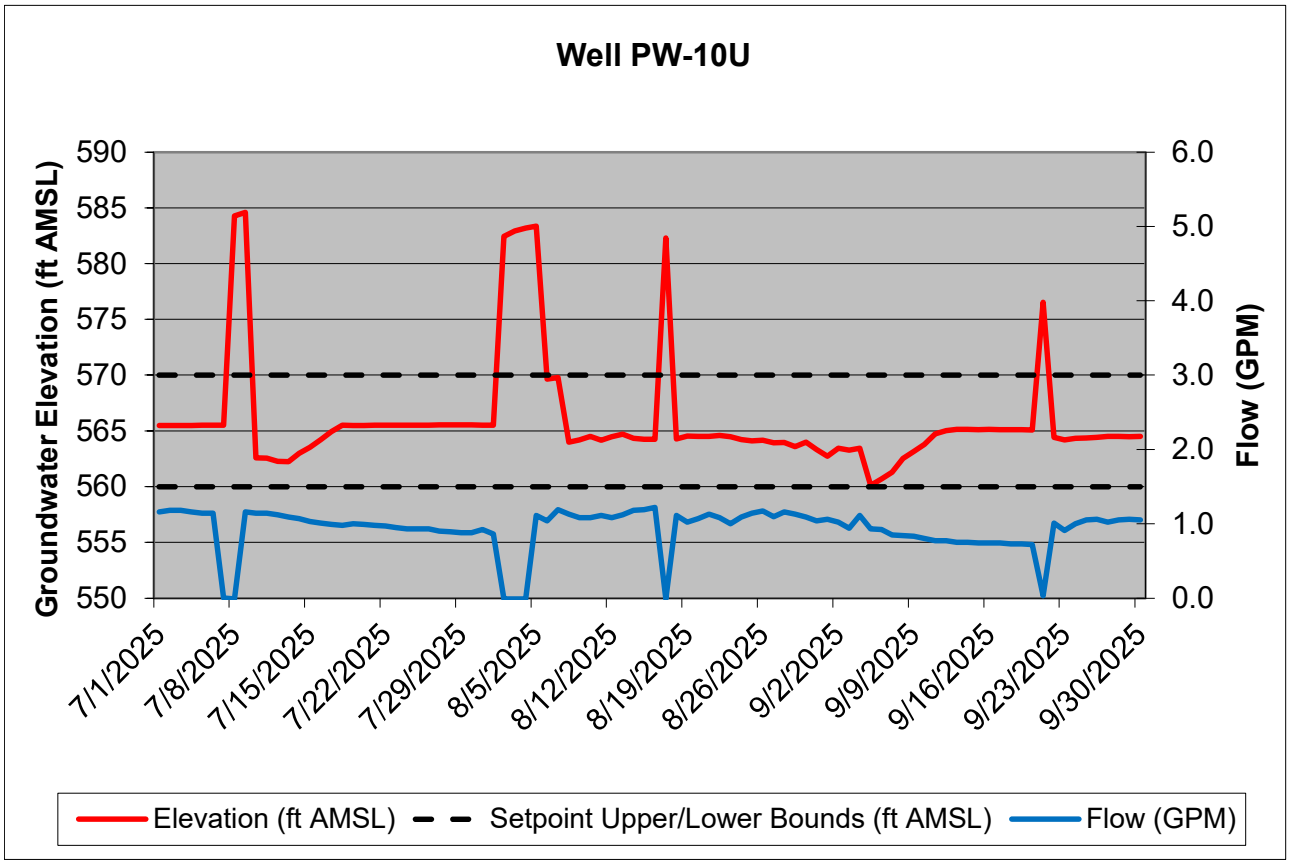
THIRD QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK





THIRD QUARTER 2025 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK





Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

Joe Branch
Project Manager
Direct Dial (231) 670-6809

7601 Old Channel Trail
Montague, MI 49437

February 1, 2026

Ms. Maeve Wurtz
USEPA Region II
290 Broadway, 20th Floor
New York, New York 10007-1866

Mr. Andrew Zwack
NYSDEC
700 Delaware Avenue
Buffalo, New York 14209

Dear Ms. Wurtz and Mr. Zwack:

Re: Quarterly Operations Report
Fourth Quarter 2025 Hyde Park Remedial Program
Bedrock and Overburden Monitoring Programs
NYSDEC Site No. 932021

In accordance with the July 2006 *"Performance Monitoring Plan"* (Conestoga Rovers & Associates & Services Environmental, Inc., 2006), this letter presents the Quarterly Operations Report for the Hyde Park Remedial Program for the period October 1, 2025 through December 31, 2025. A total of 2.86 million gallons of aqueous phase liquid (APL) was collected, treated, and discharged in compliance with the Site's City of Niagara Falls Publicly Owned Treatment Works Significant Industrial User Wastewater Discharge Permit #49. The groundwater potentiometric contours during the quarter were consistent with previous interpretations. Flow Zones 4, 6, 7, and 9 have demonstrated dewatered areas between the landfill and the gorge face. The current data continues to support the interpretation of effective hydraulic containment and inward gradients.

The performance monitoring data are presented as follows:

- **Figures 1-9**: Showing the potentiometric surface for the bedrock flow zones and overburden
- **Figure 10**: Showing continuously recorded water levels at flow zone 9 piezometer PMW-1M-09
- **Table 1**: Groundwater elevation summary
- **Tables 2, 3, and 4**: Daily, weekly, and quarterly treatment system effluent monitoring data
- **Attachment A**: Purge well performance graphs indicating daily level and flow information for each pumping well location

The continuously recorded groundwater elevations for the Flow Zone 9 piezometer (PMW-1M-09) are presented on Figure 10. Groundwater elevations were less than 526 feet above mean sea level (AMSL) throughout the quarter. The data supports the conclusion that the FZ-09 outcrop along the New York Power Authority (NYPA) access road was dewatered and unsaturated throughout the quarter.

During the week of December 2, 2025, well pump replacement activities were initiated at the Site. The work was completed by a coordinated team that included Geosyntec personnel, along with multiple subcontractors. Gaines Electrical Consulting provided a derrick truck (crane) and performed electrical disconnection and reconnection of pumps; Camtech Plumbing and Mechanical conducted pump removal and replacement; Earth Dimensions Drilling (a subsidiary of LaBella Associates) completed well cleaning and redevelopment activities; and Sevenson

Environmental Services performed riser pipe cleaning and collection of waste pumps, motors, wiring harnesses, and well cleaning waste liquids.

From December 2, 2025 through December 8, 2025, the pumps, motors and wiring harnesses for pumping wells PW-2UR, PW-3L, PW-5U, PW-6UR and wet well D were replaced. The scope of work included the following steps:

- removal of the old pump, motor and wiring harness (which were placed in 55-gallon metal drums for proper disposal),
- breakdown of the stainless-steel riser for cleaning at the Hyde Park drum barn,
- well cleaning and redevelopment (waste APL/DNAPL was placed in 55-gallon drums or transported in a tank to the Hyde Park facility where it was off-loaded into the treatment system for processing/treatment)
- re-installation back into the well borehole of the cleaned stainless-steel riser and new stainless-steel pump and motor and new wiring harness
- startup of the new pump and troubleshoot any potential issues

Replacement of pumping wells PW-4U, PW-7U, PW-8M, and PW-8U were also scheduled to be completed during this timeframe, however GSH was unable to gain access. The access issue for PW-7U, PW-8U and PW-8M, which are located on the New York State Power Authority's right-of-way beneath their high voltage power lines, has been resolved and GSH will be scheduling replacement of these wells as soon as the weather conditions permit completing the work. For PW-4U, which is located on the adjacent property to the south (Tam Ceramics), GSH continues to work with the property owner to have derelict equipment moved to provide access to the well location.

The remaining pumping wells were operational and functioning as designed during the fourth quarter 2025 except for the pumps noted for replacement discussed later in this letter.

SET POINT EXCEEDANCES

The pumping wells were operational and functioning as designed during the fourth quarter 2025, except for those wells awaiting replacement. The pumps are operated to maintain a water level between a typical range of 2.5 feet above (pump on) and 2.5 feet below (pump off) a specific set point in accordance with the set point range defined in the *Operation & Maintenance Manual* (GHD, 2019).

The following section discusses set point exceedances that occurred during the quarterly monitoring period and the associated causes and corrective actions (if necessary).

Sitewide Power Outage – December 28, 2025 through December 31, 2025 – All operating pumping wells

- Due to severe weather (windstorm with gusts to 70 mph) in the western New York area on December 28, 2025, the entire treatment facility lost power. Attempts to restore power on December 29th were made, however due to the significance of the weather event, it took several days to restore power. It was later determined that the Site likely experienced a significant power surge when power was restored to the neighboring area which caused the Sites three 100-amp fuses and utility provider's pole fuse to burn out. As such, power was lost for several days through to the end of the month while the problem was identified. Once identified, power was restored, however the systems remain off-line due to on-going repairs to frozen outdoor process lines that occurred due to the power loss. GSH is working to complete repairs as quickly as possible and will inform NYSDEC and USEPA as soon as operations recommence.

Wells PW-1U, PW-1L, PW-2UR, PW-2L, PW-3M, PW-3L, PW-5UR, PW-6UR, PW-6MR, and APW-2

- All wells exceeded the setpoint on December 14 and 15, 2025 due to elevated leachate tank levels caused by the treatment system being offline in preparation for carbon exchanges in two (2) treatment tanks (the spent

carbon was removed and shipped for reactivation, the 2 tanks cleaned and inspected and then refilled with fresh reactivated carbon). Once the carbon-tank work was completed, all pumping well locations returned to setpoint on December 16, 2025, except for pumping well PW-3L.

Wells PW-4U, PW-7U, PW-8M, PW-8U, PW-9U, and PW-10U,

- The water levels at wells PW-4U, PW-7U, PW-8M, PW-8U, PW-9U, and PW-10U were above setpoint for the fourth quarter while awaiting replacement of a new pump, pump motor, and wiring harness equipment and schedule coordination for well development/cleaning. As of the date of this letter, all necessary equipment has been received and GSH's consultant is in the process of scheduling the pump replacements and well cleaning/redevelopment for early 2026 depending on weather conditions and access to the pumping well areas.

Well APW-2

- A review of the flow data for APW-2 indicates very little flow through the pump, which could be indicative of either a slowly failing pump/motor/wiring harness or buildup of NAPL/sediment around the pump intake. GSH will continue to investigate and monitor the condition of this well.

Wells PW-6UR

- The water levels at pumping well PW-6UR exceeded the set point on October 6 and 7, 2025, due to the pump intake becoming clogged with DNAPL after being replaced on December 4, 2025 which caused the pump to burn out. The pump was pulled on December 8, 2025 and the well re-cleaned and redeveloped and the pump reinstalled the same day. The well returned to setpoint late on December 8, 2025.

Well PW-2M

- The water level at pumping well PW-2M exceeded the set point from October 1 through December 31, 2025 due to multiple causes. From October 1 through December 25, the pump was overwhelmed with excess groundwater. From December 26 to December 31, 2025, the pump was offline due to an alarm at the panel and the power outage.

Wells PW-2UR, PW-3L, and PW-5UR

- The water level at pumping well PW-2UR, PW-3L and PW-5UR exceeded the set point from October 1 through December 1, 2025 due to a burned-out pump and/or motor. The pump, motor and wiring harness were replaced for each well the week of December 1, 2025 and PW-2UR returned to setpoint on December 2, 2025 and PW-3L and PW-5UR returned to setpoint on December 3, 2025.
- The water level at pumping well PW-3L's exceeded setpoint on December 16, 2025 and remained out of setpoint through December 31, 2025. It is believed that the pump has become encased in DNAPL and has burned out again. The pump will be scheduled for replacement in early 2026 depending on weather and access. The well will be cleaned and redeveloped prior to the pump replacement.

Wells PW-1U and PW-2L

- The water levels at pumping wells PW-1U and PW-2L exceeded the set point on October 7, 2025, due to a heavy precipitation event. The wells returned to setpoint range on December 8, 2025.

Well APW-2

- The water levels for APW-2 exceeded setpoint for the full quarter from October 1, 2025 through December 31, 2025. A review of the flow data for pumping well APW-2 indicates that the flow continues to decrease over time which likely indicates that the pump/motor is either slowly failing or there is a buildup of NAPL/sediment around

the pump intake. GSH will schedule this pump to be pulled in the spring of 2026 and replaced. The well will be cleaned and redeveloped prior to the pump replacement.

Well APW-1

- The setpoint for APW-1 was exceeded on the following dates during the fourth quarter due to a PLC fault alarm. In each instance, the alarm was investigated and reset and water levels returned to setpoint on the days indicated. GSH continues to investigate the cause of the sporadic on-going PLC fault alarm. The exceedances are summarized in the following bullets:
  - *October 2025:*
    - Setpoint was exceeded on October 11 through 14, October 17 through 19, October 21 and 22, and October 30 and returned to setpoint on October 15, October 20, October 23, and October 31, respectively.
  - *November 2025:*
    - Setpoint was exceeded on November 13, November 15 and 16, November 23, and November 30 and returned to setpoint on November 14, November 17, November 24, and December 1, respectively.
  - *December 2025:*
    - Setpoint was exceeded on December 7, December 10 through 15, December 21, and December 25 through 31 and returned to setpoint on December 8, December 16, and December 22 respectively.

If you have any questions, please feel free to contact me at 231-670-6809 or by email at joseph_branch@oxy.com.

Very truly yours,

GLENN SPRINGS HOLDINGS, INC.

JBranch

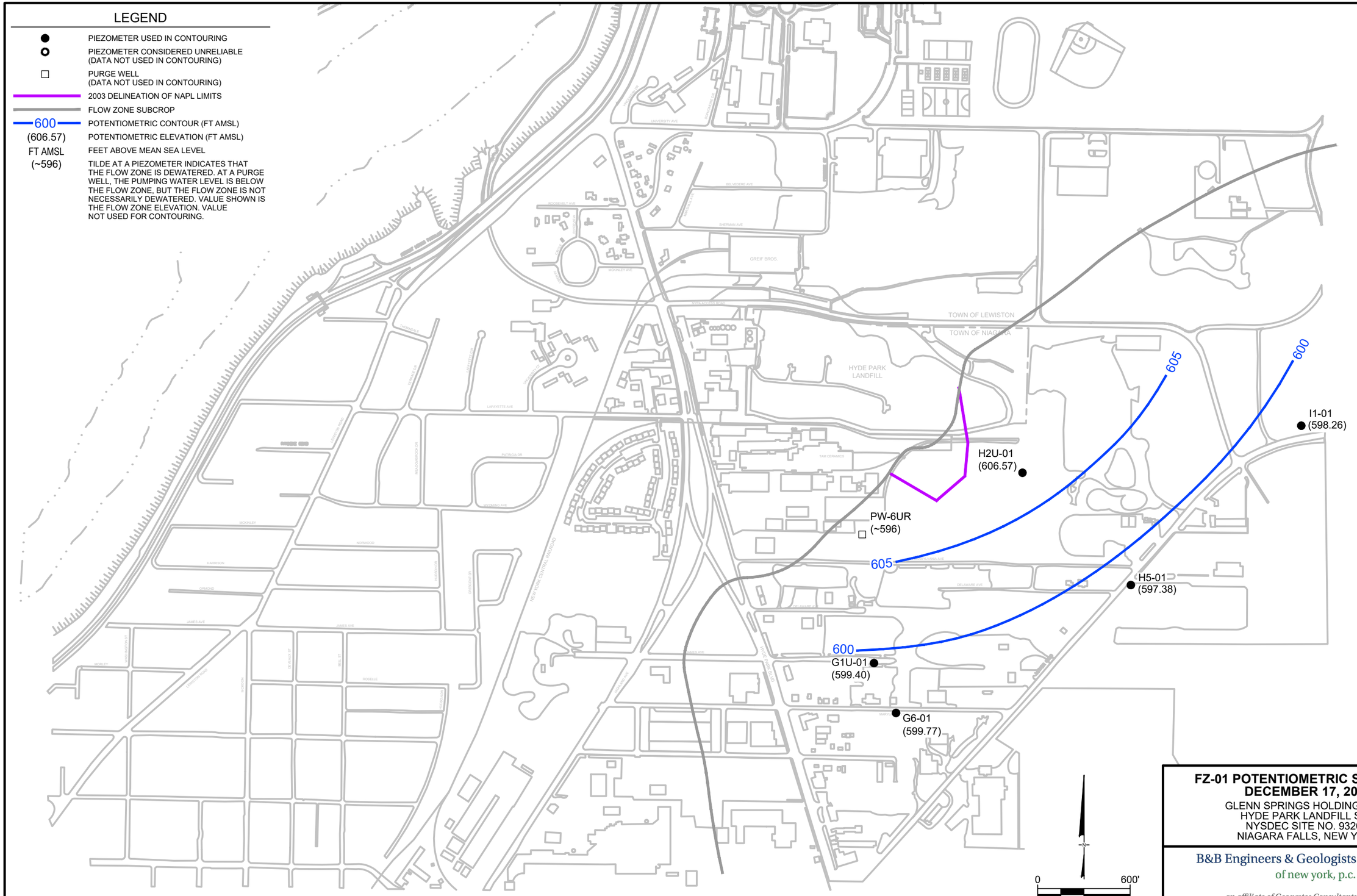
Joseph Branch
Project Manager

Encl. Figures 1 through 10
Tables 1 through 4
Attachment A - Purge Well Performance Graphs

cc: B. McPherson, NYSDEC
J. Robinson, NYSDOH
C. Babcock, GSH
T. Bathory, GSH
D. Hoyt, B&B Engineers & Geologists of NY, PC.
I. Richardson, B&B Engineers & Geologists of NY, PC.
K. Bolin, B&B Engineers & Geologists of NY, PC.

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- FLOW ZONE SUBCROP
- 600 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (606.57) FT AMSL (~596) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FEET ABOVE MEAN SEA LEVEL
- TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.



FZ-01 POTENTIOMETRIC SURFACE - DECEMBER 17, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 1

PROJECT NO: TR1045 | JANUARY 2026

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACCIACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT41-2025 Q4\DWGS\SHEETS\TR1045.05-01-FZ-01 - MJerome 1/30/26

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- FLOW ZONE SUBCROP
- 585 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (592.42) FT AMSL — POTENTIOMETRIC ELEVATION (FT AMSL)
- (~577) — FEET ABOVE MEAN SEA LEVEL
- TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.

J6-02 (593.04)
J2U-02 (591.22)
J5U-02 (592.42)
I1-02 (585.18)
PW-4U (599.90)
PW-5UR (~577)
H2U-02 (592.79)
F4U-02 (586.10)
PW-6UR (588.90)
H5-02 (592.76)
F2U-02 (574.82)
G1-02 (590.55)
G6-02 (590.46)

590
585
580
575

HYDE PARK LANDFILL
GREIF BROS.
TOWN OF LEWISTON
TOWN OF NIAGARA
NEW YORK CENTRAL RAILROAD

0 600'
SCALE IN FEET

FZ-02 POTENTIOMETRIC SURFACE - DECEMBER 17, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 2

PROJECT NO: TR1045 | JANUARY 2026

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT41-2025 Q4\DWGS\SHEETS\TR1045-02-FZ-02 - MJerome 1/30/26

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- FLOW ZONE SUBCROP
- 585 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (582.35) FT AMSL (~570) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FEET ABOVE MEAN SEA LEVEL
- TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.

AFW-2U-04 (575.25)
E6-04 (565.43)
F6-04 (569.45)
D2U-04 (582.35)
D1U-04 (580.97)
F2U-04 (576.99)
F4U-04 (586.77)
PW-10U (586.60)
PW-2UR (~570)
PW-4U (599.90)
PW-5UR (~563)
PW-6UR (588.90)
J2U-04 (587.97)
J5U-04 (586.05)
J6-04 (578.69)
I1-04 (584.40)
H5-04 (592.71)
G1U-04 (590.68)
G6-04 (590.77)

570 575 580 585 590

HYDE PARK LANDFILL

0 600'
SCALE IN FEET

FZ-04 POTENTIOMETRIC SURFACE - DECEMBER 17, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

PROJECT NO: TR1045 | JANUARY 2026 | FIGURE 3

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT41-2025 Q4\DWGS\SHEETS\TR1045.05-03-FZ-04 - MJerome 1/30/26

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- FLOW ZONE SUBCROP
- 585 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (583.23) FT AMSL (~556) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FEET ABOVE MEAN SEA LEVEL
- TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.

AGW-1U-05 (583.23)
J6-05 (578.40)
J2U-05 (578.91)
PW-1U (~564)
PW-10U (586.60)
J5U-05 (579.32)
PMW-1U-05 (580.79)
PW-2UR (~561)
D2U-05 (579.93)
D1U-05 (580.33)
PW-3M (~556)
I1-05 (553.07)
PW-4U (599.90)
PW-5UR (554.10)
H2M-05 (591.57)
AFW-2U-05 (575.13)
F4U-05 (585.75)
PW-6UR (588.90)
H5-05 (591.47)
F2U-05 (577.62)
E6-05 (565.41)
G6-05 (590.59)
F6-05 (569.34)

580 575 570 565 560 555 585 590

HYDE PARK LANDFILL

0 600'
SCALE IN FEET

FZ-05 POTENTIOMETRIC SURFACE - DECEMBER 17, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 4

PROJECT NO: TR1045 | JANUARY 2026

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACCIACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT41-2025 Q4\DWGS\SHEETS\TR1045.05-04-FZ-05 - MJerome 1/30/26

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- FLOW ZONE SUBCROP
- DEWATERED AREA OF FLOW ZONE
- 555 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (556.72) FT AMSL (~554) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FEET ABOVE MEAN SEA LEVEL
- TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.

AFW-1U-06 (556.72)
AFW-2U-06 (~548)
ABP-7-06 (~554)
C3-06 (~551)
B2U-06 (554.02)
AGW-1U-06 (553.53)
J6-06 (554.98)
J2M-06 (554.21)
PW-9U (553.70)
PW-10U (586.60)
PW-8U (566.30)
PW-8M (~547)
PW-7U (574.3)
PW-1U (549.5)
J5M-06 (548.56)
PMW-1U-06 (548.66)
D2U-06 (549.19)
D1U-06 (548.53)
PW-2M (~543)
PW-3M (~540)
I1-06 (551.63)
H2M-06 (585.67)
F4M-06 (551.34)
PW-6UMR (~534)
H5-06 (588.13)
F2M-06 (545.58)
G1M-06 (571.10)
E6-06 (571.04)
G6-06 (571.76)
F6-06 (570.97)

555 550 555 555 560 565 570 585 580 560 565 570

TOWN OF LEWISTON
TOWN OF NIAGARA
HYDE PARK LANDFILL

0 600'
SCALE IN FEET

FZ-06 POTENTIOMETRIC SURFACE - DECEMBER 17, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 5

PROJECT NO: TR1045 | JANUARY 2026

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT41-2025 Q4\DWGS\SHEETS\TR1045.05-05-FZ-06 - MJerome 1/7/26

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- DEWATERED AREA OF FLOW ZONE
- 560 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (541.88) FT AMSL (~536) — POTENTIOMETRIC ELEVATION (FT AMSL)
- FEET ABOVE MEAN SEA LEVEL
- TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.

ABP-1-07 (548.15)
APW-1 (~536)
AGW-1M-07 (548.07)
J6-07 (547.07)
ABP-7-07 (~534)
B2M-07 (543.35)
AFW-1M-07 (~534)
C3-07 (541.88)
PW-8M (529.50)
J5M-07 (547.65)
PMW-1M-07 (529.82)
D2M-07 (526.23)
PW-2M (~523)
PW-3M (520.50)
D1M-07 (526.20)
I1-07 (547.37)
AFW-2M-07 (~528)
F4M-07 (525.48)
PW-6UMR (~514)
H5-07 (556.75)
F2M-07 (519.44)
G1M-07 (570.60)
E6-07 (554.79)
G6-07 (571.52)
F6-07 (567.49)

535 545 555 565 525

TOWN OF LEWISTON
NIAGARA
HYDE PARK LANDFILL

0 600'
SCALE IN FEET

FZ-07 POTENTIOMETRIC SURFACE - DECEMBER 17, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

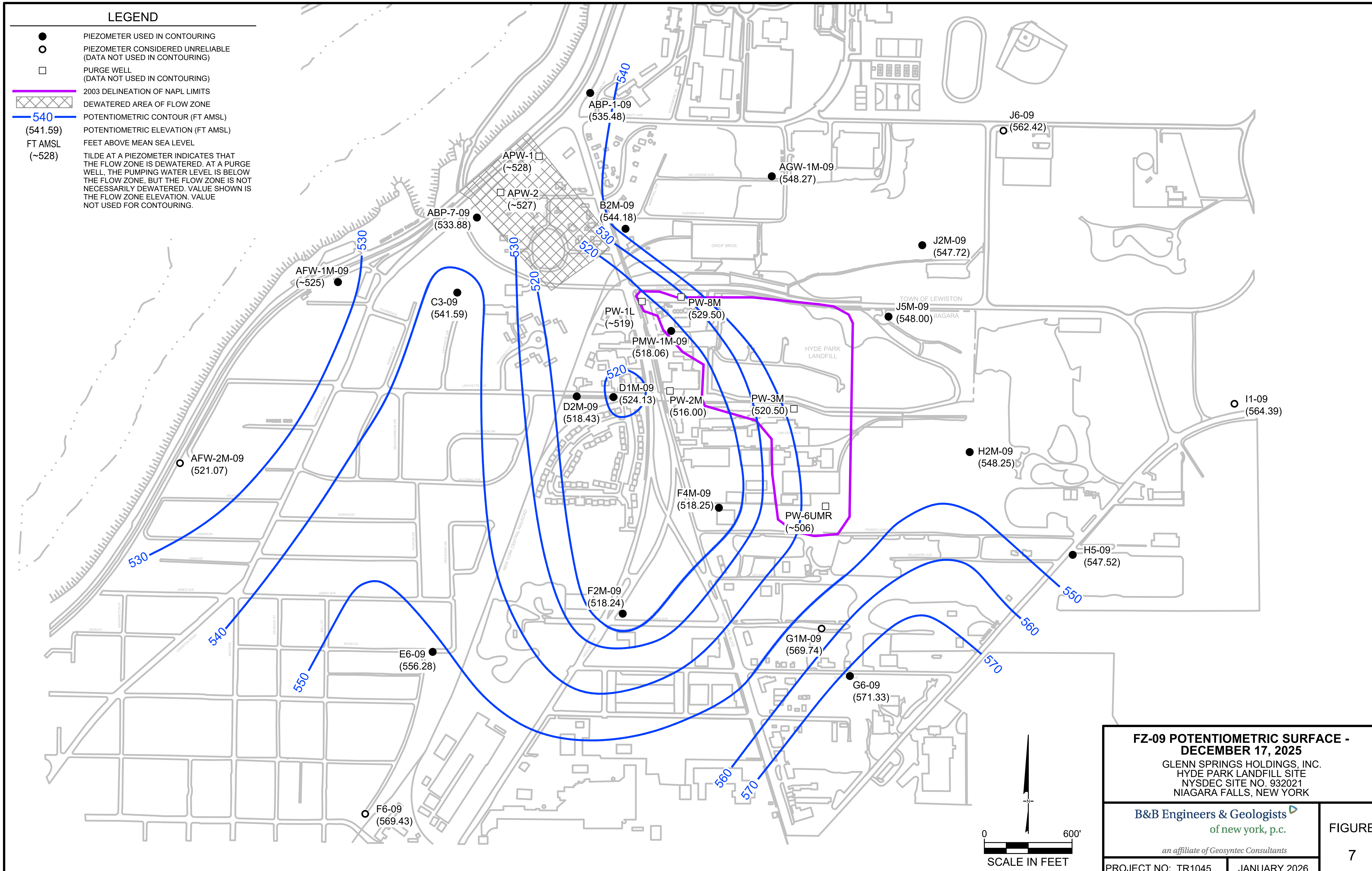
B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 6

PROJECT NO: TR1045 | JANUARY 2026

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACCACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT41-2025 Q4\DWGS\SHEETS\TR1045.05-06-FZ-07 - MJerome 1/29/26


LEGEND
PIEZOMETER USED IN CONTOURING
PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
PURGE WELL (DATA NOT USED IN CONTOURING)
2003 DELINEATION OF NAPL LIMITS
DEWATERED AREA OF FLOW ZONE
540 POTENTIOMETRIC CONTOUR (FT AMSL)
(541.59) POTENTIOMETRIC ELEVATION (FT AMSL)
FT AMSL FEET ABOVE MEAN SEA LEVEL
(~528) TILDE AT A PIEZOMETER INDICATES THAT THE FLOW ZONE IS DEWATERED. AT A PURGE WELL, THE PUMPING WATER LEVEL IS BELOW THE FLOW ZONE, BUT THE FLOW ZONE IS NOT NECESSARILY DEWATERED. VALUE SHOWN IS THE FLOW ZONE ELEVATION. VALUE NOT USED FOR CONTOURING.
ABP-1-09 (535.48)
J6-09 (562.42)
AGW-1M-09 (548.27)
APW-1 (~528)
APW-2 (~527)
ABP-7-09 (533.88)
B2M-09 (544.18)
J2M-09 (547.72)
AFW-1M-09 (~525)
C3-09 (541.59)
PW-8M (529.50)
PW-1L (~519)
J5M-09 (548.00)
PMW-1M-09 (518.06)
HYDE PARK LANDFILL
TOWN OF LEWISTON
NIAGARA
D1M-09 (524.13)
D2M-09 (518.43)
PW-2M (516.00)
PW-3M (520.50)
I1-09 (564.39)
H2M-09 (548.25)
AFW-2M-09 (521.07)
F4M-09 (518.25)
PW-6UMR (~506)
H5-09 (547.52)
F2M-09 (518.24)
G1M-09 (569.74)
E6-09 (556.28)
G6-09 (571.33)
F6-09 (569.43)
540
530
520
550
560
570
0 600'
SCALE IN FEET
N

FZ-09 POTENTIOMETRIC SURFACE - DECEMBER 17, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

PROJECT NO: TR1045 | JANUARY 2026

FIGURE 7

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT41-2025 Q4\DWGS\SHEETS\TR1045.05-07-FZ-09 - MJerome 1/7/26

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

LEGEND

- PIEZOMETER USED IN CONTOURING
- PIEZOMETER CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- PURGE WELL (DATA NOT USED IN CONTOURING)
- 2003 DELINEATION OF NAPL LIMITS
- 550 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (555.04) FT AMSL — POTENTIOMETRIC ELEVATION (FT AMSL); FEET ABOVE MEAN SEA LEVEL

APW-1 (512.90)
APW-2 (526.00)
AGW-1L-11 (586.49)
B2L-11 (498.28)
AFW-1L-11 (507.12)
PW-1L (499.40)
PMW-1L-11 (514.34)
PW-2L (495.90)
D2L-11 (523.89)
D1L-11 (504.82)
PW-3L (520.10)
J6-11 (583.71)
J5L-11 (545.65)
I1-11 (548.73)
H2L-11 (554.14)
AFW-2L-11 (495.78)
F4L-11 (571.62)
H5-11 (543.86)
F2L-11 (555.04)
G1L-11 (554.07)
E6-11 (530.53)
G6-11 (557.06)
F6-11 (526.23)

505 515 525 535 545 555 565 575

TOWN OF LEWISTON
NIAGARA
HYDE PARK LANDFILL

0 600'
SCALE IN FEET

FZ-11 POTENTIOMETRIC SURFACE - DECEMBER 17, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 8

PROJECT NO: TR1045 | JANUARY 2026

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT41-2025 Q4\DWGS\SHE

LEGEND

- WELL USED IN CONTOURING
- WELL CONSIDERED UNRELIABLE (DATA NOT USED IN CONTOURING)
- OBCWS WET WELLS PUMPED FOR RECOVERY. POSTED LEVELS INDICATE THE PUMPING SETPOINTS. SETPOINT LEVELS WERE USED FOR CONTOURING.
- EXISTING BARRIER COLLECTION SYSTEM
- OVERBURDEN BARRIER COLLECTION SYSTEM
- 585 — POTENTIOMETRIC CONTOUR (FT AMSL)
- (581.50) FT AMSL — POTENTIOMETRIC ELEVATION (FT AMSL)
- (DRY) — FEET ABOVE MEAN SEA LEVEL
- (sp. 583.00) — WELL DRY AT THE TIME OF MEASUREMENT
- * — SETPOINT LEVEL
- VALUE ANOMALOUS FROM HISTORICAL READINGS; NOT USED FOR CONTOURING.

CMW-1OB (574.00)
CMW-2OB (581.50)
CMW-3OB (569.39)
CMW-4OB (573.28)
CMW-5OB (DRY)
CMW-6OB (571.66)
CMW-7OB (DRY)
CMW-8OB (DRY)
CMW-9OB (DRY)
CMW-11OB (570.00)
CMW-12OB (575.50)
OMW-1 (599.27)
OMW-2 (601.39)
OMW-3 (586.45)
OMW-4R (DRY)
OMW-5R (585.84)
OMW-6 (585.59)
OMW-7 (584.82)
OMW-8R2 (585.70)
OMW-9 *(594.33)
OMW-10R (586.07)
OMW-11R (592.17)
OMW-12R (592.87)
OMW-13R (593.24)
OMW-14R (594.49)
OMW-15 (600.49)
OMW-16R (603.25)
WW-C (sp. 583.00)
WW-D (sp. 580.00)

570 575 580 585 590 595 600

HYDE PARK LANDFILL
TOWN OF LEWISTON
NIAGARA
NEW YORK CENTRAL RAILROAD

0 600'
SCALE IN FEET

OVERBURDEN POTENTIOMETRIC SURFACE - DECEMBER 17, 2025

GLENN SPRINGS HOLDINGS, INC.
HYDE PARK LANDFILL SITE
NYSDEC SITE NO. 932021
NIAGARA FALLS, NEW YORK

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

FIGURE 9

PROJECT NO: TR1045 | JANUARY 2026

DATA SOURCE: GHD, 4TH QUARTER 2024 REPORT, JANUARY 2025.

C:_GEO-ACC\ACCDOCS\GEOSYNTEC\GSH_WNY O&M\PROJECT FILES\CADD\05_HYDE PARK\RPT41-2025 Q4\DWGS\SHEETS\TR1045.05-09-OB - MJerome 1/29/26

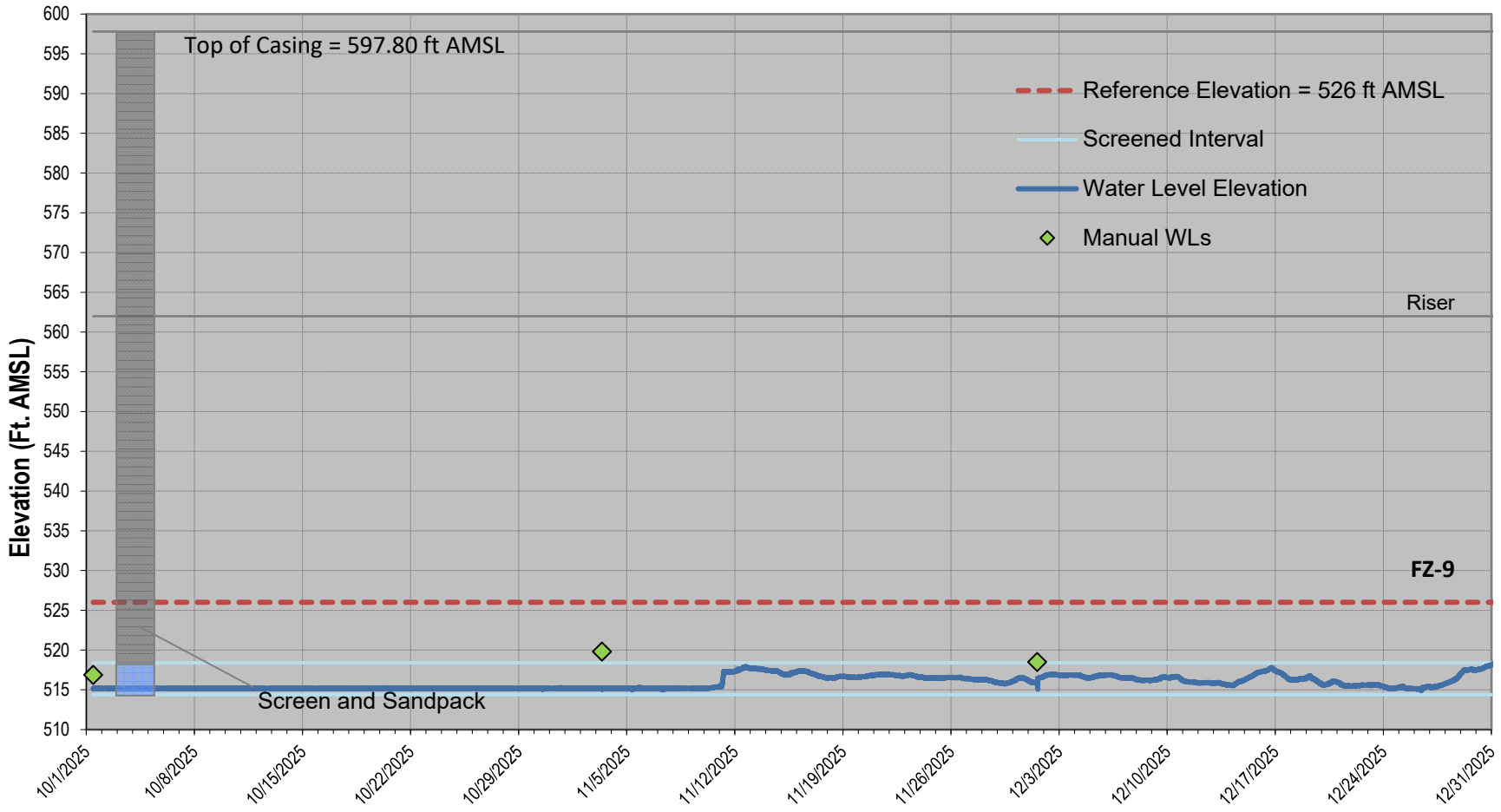


Figure 10

PMW-1M-09 4th Quarter 2025 - Hourly Water Level Elevation
4th Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.

Table 1

Groundwater Elevation Summary
Fourth Quarter - 2025
Hyde Park RRT Program

Hydraulic Monitoring Completed

Well	Reference Elevation (ft AMSL)	Depth to Water (BTOR)(ft)	Groundwater Elevation (ft AMSL)
Overburden			
CMW-2OB	590.79	9.29	581.50
CMW-3OB	582.13	12.74	569.39
CMW-4OB	574.28	1.00	573.28
CMW-5OB	583.43	Surcharged	583.43
CMW-6OB	571.89	0.23	571.66
CMW-7OB	611.00	Dry @ 4.78	606.22
CMW-8OB	616.11	Dry @ 3.27	612.84
CMW-9OB	571.76	Dry @ 2.68	569.08
CMW-1OB	576.80	2.80	574.00
CMW-11OB	572.85	2.85	570.00
CMW-12OB	594.74	19.24	575.50
MH20	605.87	4.72	601.15
MH21	599.77	6.12	593.65
MH22	593.37	Dry @ 7.28	586.09
MH23	587.05	Dry @ 12.21	574.84
MH24	582.57	6.10	576.47
MH25	583.82	5.69	578.13
MH26	584.48	7.28	577.20
MH27	586.12	10.48	575.64
MH28	585.23	16.18	569.05
MH29	604.58	14.94	589.64
MH30	599.49	10.05	589.44
MH31	590.10	9.62	580.48
MH32	592.01	9.75	582.26
MH33	592.51	8.78	583.73
MH34	598.34	7.19	591.15
MH35	605.69	6.63	599.06
MH35A	605.69	7.58	598.11
OMW-1	605.28	6.01	599.27
OMW-2	605.99	4.60	601.39
OMW-3	598.63	12.18	586.45
OMW-4R	601.17	Dry @ 16.38	584.79
OMW-5R	591.31	5.47	585.84
OMW-6	587.62	2.03	585.59
OMW-7	592.74	7.92	584.82
OMW-8R2	594.67	8.97	585.70
OMW-9	595.27	0.94	594.33
OMW-10R	595.13	9.06	586.07
OMW-11R	597.52	5.35	592.17
OMW-12R	596.71	4.33	592.87
OMW-13R	601.50	8.26	593.24
OMW-14R	599.64	5.15	594.49
OMW-15	607.48	6.99	600.49
OMW-16R	607.62	4.37	603.25
SC-2	625.61	22.79	602.82
SC-3	638.72	40.30	598.42
SC-4	639.35	39.53	599.82
SC-5	634.07	31.67	602.40
SC-6	631.15	22.78	608.37

Notes:

BTOR - Below Top Of Riser
ft AMSL - Feet above mean sea level
Surcharged - Well surcharged at the time of measurement
Dry - No water present at the time of the measurement; measurement is bottom of well

Table 1

Groundwater Elevation Summary
Fourth Quarter - 2025
Hyde Park RRT Program

Hydraulic Monitoring Completed

Well	Reference Elevation (ft AMSL)	Depth to Water (BTOR)(ft)	Groundwater Elevation (ft AMSL)
Shallow Bedrock			
CMW-1SH	576.11	12.65	563.46
CMW-2SH	590.51	18.28	572.23
CMW-3SH	581.91	27.52	554.39
CMW-4SH	574.16	7.12	567.04
CMW-5SH	583.36	7.65	575.71
CMW-6SH	572.05	9.62	562.43
CMW-7SH	610.58	13.15	597.43
CMW-8SH	615.95	10.71	605.24
CMW-9SH	571.96	12.00	559.96
CMW-11SH	573.21	8.13	565.08
CMW-12SH	597.02	22.09	574.93
Flow Zone 1			
G1U-01	617.08	17.68	599.40
G6-01	609.24	9.47	599.77
H2U-01	620.92	14.35	606.57
H5-01	617.61	20.23	597.38
I1-01	625.58	27.32	598.26
Flow Zone 2			
F2U-02	599.89	25.07	574.82
F4U-02	602.32	16.22	586.10
G1-02	616.86	26.31	590.55
G6-02	608.65	18.19	590.46
H2U-02	620.88	28.09	592.79
H5-02	617.47	24.71	592.76
I1-02	625.47	40.29	585.18
J2U-02	609.66	18.44	591.22
J5U-02	606.21	13.79	592.42
J6-02	609.23	16.19	593.04
Flow Zone 4			
AFW-2U-04	593.48	18.23	575.25
D1U-04	593.77	12.80	580.97
D2U-04	590.65	8.30	582.35
E6-04	578.23	12.80	565.43
F2U-04	599.76	22.77	576.99
F4U-04	602.19	15.42	586.77
F6-04	588.06	18.61	569.45
G1U-04	616.96	26.28	590.68
G6-04	609.15	18.38	590.77
H5-04	617.40	24.69	592.71
I1-04	625.30	40.90	584.40
J2U-04	609.42	21.45	587.97
J5U-04	606.05	20.00	586.05
J6-04	609.12	30.43	578.69

Notes:

BTOR - Below Top Of Riser
ft AMSL - Feet above mean sea level
Surcharged - Well surcharged at the time of measurement
Dry - No water present at the time of the measurement; measurement is bottom of well

Table 1

Groundwater Elevation Summary
Fourth Quarter - 2025
Hyde Park RRT Program

Hydraulic Monitoring Completed

Well	Reference Elevation (ft AMSL)	Depth to Water (BTOR)(ft)	Groundwater Elevation (ft AMSL)
Flow Zone 5			
AFW-2U-05	593.33	18.20	575.13
AGW-1U-05	591.80	8.57	583.23
D1U-05	593.51	13.18	580.33
D2U-05	590.56	10.63	579.93
E6-05	578.04	12.63	565.41
F2U-05	599.64	22.02	577.62
F4U-05	602.06	16.31	585.75
F6-05	587.85	18.51	569.34
G6-05	609.13	18.54	590.59
H2M-05	621.59	30.02	591.57
H5-05	617.31	25.84	591.47
I1-05	625.25	72.18	553.07
J2U-05	609.30	30.39	578.91
J5U-05	605.87	26.55	579.32
J6-05	609.02	30.62	578.40
PMW-1U-05	598.00	17.21	580.79
Flow Zone 6			
ABP-7-06	575.78	Dry @ 21.80	553.98
AFW-1U-06	571.83	15.11	556.72
AFW-2U-06	593.22	47.99	545.23
AGW-1U-06	591.66	38.13	553.53
B2U-06	589.29	35.27	554.02
C3-06	585.78	Dry @ 37.50	548.28
D1U-06	593.25	44.72	548.53
D2U-06	590.38	41.19	549.19
E6-06	577.99	6.95	571.04
F2M-06	599.06	53.48	545.58
F4M-06	602.05	50.71	551.34
F6-06	587.84	16.87	570.97
G1M-06	616.75	45.65	571.10
G6-06	609.09	37.33	571.76
H2M-06	621.42	35.75	585.67
H5-06	617.17	29.04	588.13
I1-06	625.15	73.52	551.63
J2M-06	608.94	54.73	554.21
J5M-06	606.22	57.66	548.56
J6-06	608.93	53.95	554.98
PMW-1U-06	597.92	49.26	548.66

Notes:

BTOR - Below Top Of Riser
ft AMSL - Feet above mean sea level
Surcharged - Well surcharged at the time of measurement
Dry - No water present at the time of the measurement; measurement is bottom of well

Table 1

Groundwater Elevation Summary
Fourth Quarter - 2025
Hyde Park RRT Program

Hydraulic Monitoring Completed

Well	Reference Elevation (ft AMSL)	Depth to Water (BTOR)(ft)	Groundwater Elevation (ft AMSL)
Flow Zone 7			
ABP-1-07	575.20	28.29	548.15
ABP-7-07	575.73	42.43	533.30
AFW-1M-07	571.41	Dry @ 38.72	532.69
AFW-2M-07	593.44	66.79	526.65
AGW-1M-07	592.91	44.84	548.07
B2M-07	589.52	46.17	543.35
C3-07	585.62	43.74	541.88
D1M-07	594.15	67.95	526.20
D2M-07	590.77	64.54	526.23
E6-07	577.91	23.12	554.79
F2M-07	598.91	79.47	519.44
F4M-07	601.91	76.43	525.48
F6-07	587.68	20.19	567.49
G1M-07	616.68	46.08	570.60
G6-07	609.06	37.54	571.52
H5-07	617.05	60.30	556.75
I1-07	625.14	77.77	547.37
J5M-07	606.07	58.42	547.65
J6-07	608.85	61.78	547.07
PMW-1M-07	598.50	68.68	529.82
Flow Zone 9			
ABP-1-09	575.19	40.01	535.48
ABP-7-09	575.67	41.79	533.88
AFW-1M-09	571.12	46.49	524.63
AFW-2M-09	593.32	72.25	521.07
AGW-1M-09	592.75	44.48	548.27
B2M-09	589.34	45.16	544.18
C3-09	585.00	43.41	541.59
D1M-09	594.02	69.89	524.13
D2M-09	590.66	72.23	518.43
E6-09	577.82	21.54	556.28
F2M-09	598.71	80.47	518.24
F4M-09	601.79	83.54	518.25
F6-09	587.53	18.10	569.43
G1M-09	616.58	46.84	569.74
G6-09	608.98	37.65	571.33
H2M-09	621.32	73.07	548.25
H5-09	616.93	69.41	547.52
I1-09	624.91	60.52	564.39
J2M-09	608.77	61.05	547.72
J5M-09	605.82	57.82	548.00
J6-09	608.76	46.34	562.42
PMW-1M-09	598.34	80.28	518.06

Notes:

BTOR - Below Top Of Riser
ft AMSL - Feet above mean sea level
Surcharged - Well surcharged at the time of measurement
Dry - No water present at the time of the measurement; measurement is bottom of well

Table 1

Groundwater Elevation Summary
Fourth Quarter - 2025
Hyde Park RRT Program

Hydraulic Monitoring Completed

Well	Reference Elevation (ft AMSL)	Depth to Water (BTOR)(ft)	Groundwater Elevation (ft AMSL)
Flow Zone 11			
AFW-1L-11	572.10	64.98	507.12
AFW-2L-11	593.43	97.65	495.78
AGW-1L-11	592.71	6.22	586.49
B2L-11	589.65	91.37	498.28
D1L-11	593.80	88.98	504.82
D2L-11	590.21	66.32	523.89
E6-11	577.72	47.19	530.53
F2L-11	598.94	43.90	555.04
F4L-11	602.22	30.60	571.62
F6-11	587.40	61.17	526.23
G1L-11	616.84	62.77	554.07
G6-11	608.89	51.83	557.06
H2L-11	620.73	66.59	554.14
H5-11	616.81	72.95	543.86
I1-11	624.75	76.02	548.73
J5L-11	607.20	61.55	545.65
J6-11	608.68	24.97	583.71
PMW-1L-11	598.84	84.50	514.34
Purge Wells			
APW-1	564.98	52.08	512.90
APW-2	569.89	43.89	526.00
PW-1L	593.16	93.76	499.40
PW-1U	593.50	43.66	549.50
PW-2L	597.29	101.39	495.90
PW-2M	596.61	80.61	516.00
PW-2UR	594.75	36.65	558.10
PW-3L	599.05	78.95	520.10
PW-3M	597.79	77.29	520.50
PW-4M	606.93		606.93
PW-4U	604.85	4.95	599.90
PW-5UR	601.31	47.21	554.10
PW-6UMR	609.31	107.91	501.40
PW-6UR	608.47	19.57	588.90
PW-7U	592.47	18.17	574.30
PW-8M	592.67	63.17	529.50
PW-8U	589.27	22.97	566.30
PW-9U	587.47	33.77	553.70
PW-10U	593.54	6.94	586.60

Notes:

BTOR - Below Top Of Riser
ft AMSL - Feet above mean sea level
Surcharged - Well surcharged at the time of measurement
Dry - No water present at the time of the measurement; measurement is bottom of well

Table 2

Leachate Treatment System Daily Effluent Monitoring Data
Fourth Quarter - 2025
Hyde Park RRT Program

		Effluent	
Date		**pH** (su)	**Flow** (gal)
October	10/01/2025		
	10/02/2025	7.6	176,000
	10/03/2025		
	10/04/2025		
	10/05/2025		
	10/06/2025		
	10/07/2025		
	10/08/2025		
	10/09/2025		
	10/10/2025	7.5	204,000
	10/11/2025		
	10/12/2025		
	10/13/2025		
	10/14/2025		
	10/15/2025		
	10/16/2025		
	10/17/2025		
	10/18/2025	7.5	178,000
	10/19/2025		
	10/20/2025		
	10/21/2025		
	10/22/2025		
	10/23/2025		
	10/24/2025		
	10/25/2025		
	10/26/2025		
	10/27/2025		
	10/28/2025		
	10/29/2025	7.6	230,000
	10/30/2025		
	10/31/2025		
November	11/01/2025		
	11/02/2025		
	11/03/2025		
	11/04/2025		
	11/05/2025		

Table 2

Leachate Treatment System Daily Effluent Monitoring Data
Fourth Quarter - 2025
Hyde Park RRT Program

		Effluent	
Date		**pH** (su)	**Flow** (gal)
November (con't)	11/06/2025	7.5	187,000
	11/07/2025		
	11/08/2025		
	11/09/2025		
	11/10/2025		
	11/11/2025		
	11/12/2025	7.5	186,000
	11/13/2025		
	11/14/2025		
	11/15/2025		
	11/16/2025		
	11/17/2025		
	11/18/2025		
	11/19/2025	7.5	70,000
	11/20/2025		
	11/21/2025		
	11/22/2025		
	11/23/2025		
	11/24/2025		
	11/25/2025	7.5	209,000
	11/26/2025		
	11/27/2025		
	11/28/2025		
	11/29/2025		
	11/30/2025		
December	12/01/2025		
	12/02/2025		
	12/03/2025		
	12/04/2025	7.5	167,000
	12/05/2025	7.5	112,000
	12/06/2025		
	12/07/2025		
	12/08/2025		
	12/09/2025	7.5	145,000
	12/10/2025		
	12/11/2025		

Table 2

Leachate Treatment System Daily Effluent Monitoring Data
Fourth Quarter - 2025
Hyde Park RRT Program

		Effluent	
Date		**pH** (su)	**Flow** (gal)
December (con't)	12/12/2025		
	12/13/2025		
	12/14/2025		
	12/15/2025		
	12/16/2025		
	12/17/2025	7.5	157000
	12/18/2025	7.5	109,000
	12/19/2025	7.4	211,000
	12/20/2025	7.5	180,000
	12/21/2025	7.5	213000
	12/22/2025	7.5	121,000
	12/23/2025		
	12/24/2025		
	12/25/2025		
	12/26/2025		
	12/27/2025		
	12/28/2025		
	12/29/2025		
	12/30/2025		
	12/31/2025		
		Total	2,855,000

Notes:

su - Standard unit
gal - Gallons

Table 3

Analytical Results Summary
Weekly Effluent Sampling - Leachate Treatment System
Fourth Quarter - 2025
Hyde Park RRT Program

Parameter	Units	Effluent 10/1/2025	10/8/2025	10/15/2025	10/22/2025	10/29/2025
Volatiles						
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl acetate	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	**12**	**5.1**	**7.5**
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
General Chemistry						
Phenolics (total)	mg/L	**0.0041 J**	0.0050 U	0.0050 U	0.0050 U	0.0050 U

Notes:

*- No sample collected; treatment system down for pump replacements

1.5 - indicates a detection

J - Estimated concentration

U - Not detected at associated reporting limit

mg/L - milligrams per liter

µg/L - micrograms per liter

Table 3

Analytical Results Summary
Weekly Effluent Sampling - Leachate Treatment System
Fourth Quarter - 2025
Hyde Park RRT Program

Parameter	Units	Effluent 11/6/2025	11/12/2025	11/18/2025	11/25/2025	12/4/2025
Volatiles						
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	1.0 U	**2.4**	1.0 U	1.0 U	**1.1**
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	**1.5**
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl acetate	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl chloride	µg/L	**8.3**	**8.5**	**8.5**	**9.9**	**8.3**
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
General Chemistry						
Phenolics (total)	mg/L	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U

Notes:

*- No sample collected; treatment system down for pump replacements

1.5 - indicates a detection

J - Estimated concentration

U - Not detected at associated reporting limit

mg/L - milligrams per liter

µg/L - micrograms per liter

Table 3

Analytical Results Summary
Weekly Effluent Sampling - Leachate Treatment System
Fourth Quarter - 2025
Hyde Park RRT Program

Parameter	Units	Effluent 12/10/2025 *	Effluent 12/19/2025	Effluent 12/23/2025
Volatiles				
1,1,1-Trichloroethane	µg/L	-	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	-	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	-	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	-	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	-	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	-	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	-	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	-	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	-	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	-	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	-	1.0 U	1.0 U
2-Chlorotoluene	µg/L	-	1.0 U	1.0 U
3-Chlorotoluene	µg/L	-	1.0 U	1.0 U
4-Chlorotoluene	µg/L	-	1.0 U	1.0 U
Benzene	µg/L	-	1.0 U	1.0 U
Bromodichloromethane	µg/L	-	1.0 U	1.0 U
Bromoform	µg/L	-	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	-	1.0 U	1.0 U
Carbon disulfide	µg/L	-	1.0 U	1.0 U
Carbon tetrachloride	µg/L	-	1.0 U	1.0 U
Chlorobenzene	µg/L	-	1.0 U	1.0 U
Chloroethane	µg/L	-	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	-	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	-	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	-	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	-	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	-	1.0 U	1.0 U
Ethylbenzene	µg/L	-	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	2.0 U	2.0 U
m-Monochlorobenzotrifluoride	µg/L	-	1.0 U	1.0 U
Methylene chloride	µg/L	-	1.0 U	1.0 U
o-Monochlorobenzotrifluoride	µg/L	-	1.0 U	1.0 U
o-Xylene	µg/L	-	1.0 U	1.0 U
p-Monochlorobenzotrifluoride	µg/L	-	1.0 U	1.0 U
Styrene	µg/L	-	1.0 U	1.0 U
Tetrachloroethene	µg/L	-	1.0 U	1.0 U
Toluene	µg/L	-	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	-	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	-	1.0 U	1.0 U
Trichloroethene	µg/L	-	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	-	1.0 U	1.0 U
Vinyl acetate	µg/L	-	2.0 U	2.0 U
Vinyl chloride	µg/L	-	1.0 U	1.0 U
Xylenes (total)	µg/L	-	3.0 U	3.0 U
General Chemistry				
Phenolics (total)	mg/L	-	0.0050 U	0.0050 U

Notes:

*- No sample collected; treatment system down for pump replacements

1.5 - indicates a detection

J - Estimated concentration

U - Not detected at associated reporting limit

mg/L - milligrams per liter

µg/L - micrograms per liter

Table 4

Analytical Results Summary
Quarterly Effluent Sampling - Leachate Treatment System
Fourth Quarter - 2025
Hyde Park RRT Program

		Sample Location:	**EFFLUENT**
		Sample ID:	**EFF-121925-WT-BA**
		Sample Date:	**12/19/2025**
Parameters		**Units**	
Volatile Organic Compounds			
Vinyl chloride		µg/L	1.00 U
General Chemistry			
Phosphorus		mg/L	0.150

Notes:

U - Not detected at associated reporting limit
µg/L - micrograms per liter
mg/L - milligrams per liter
0.098 - indicates a detection for the indicated compound

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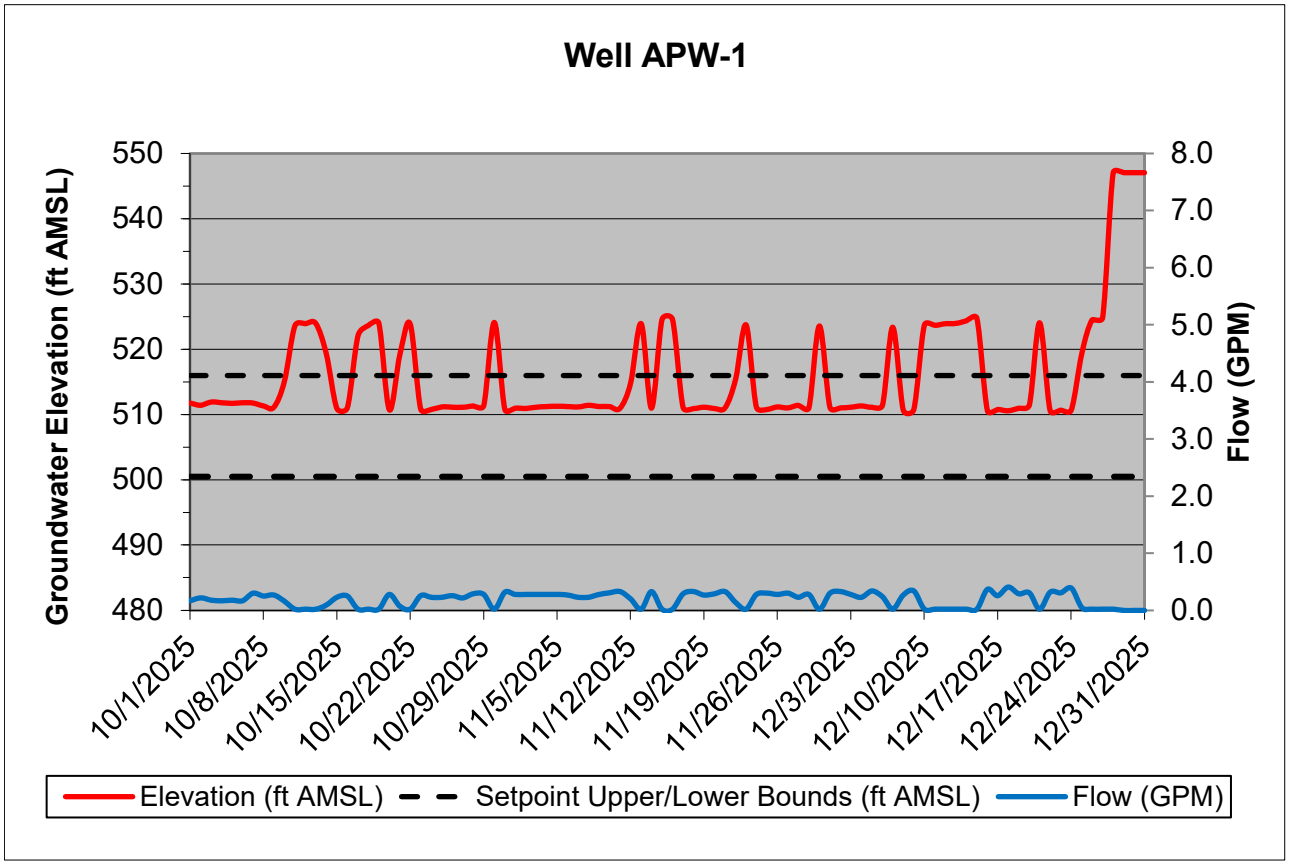
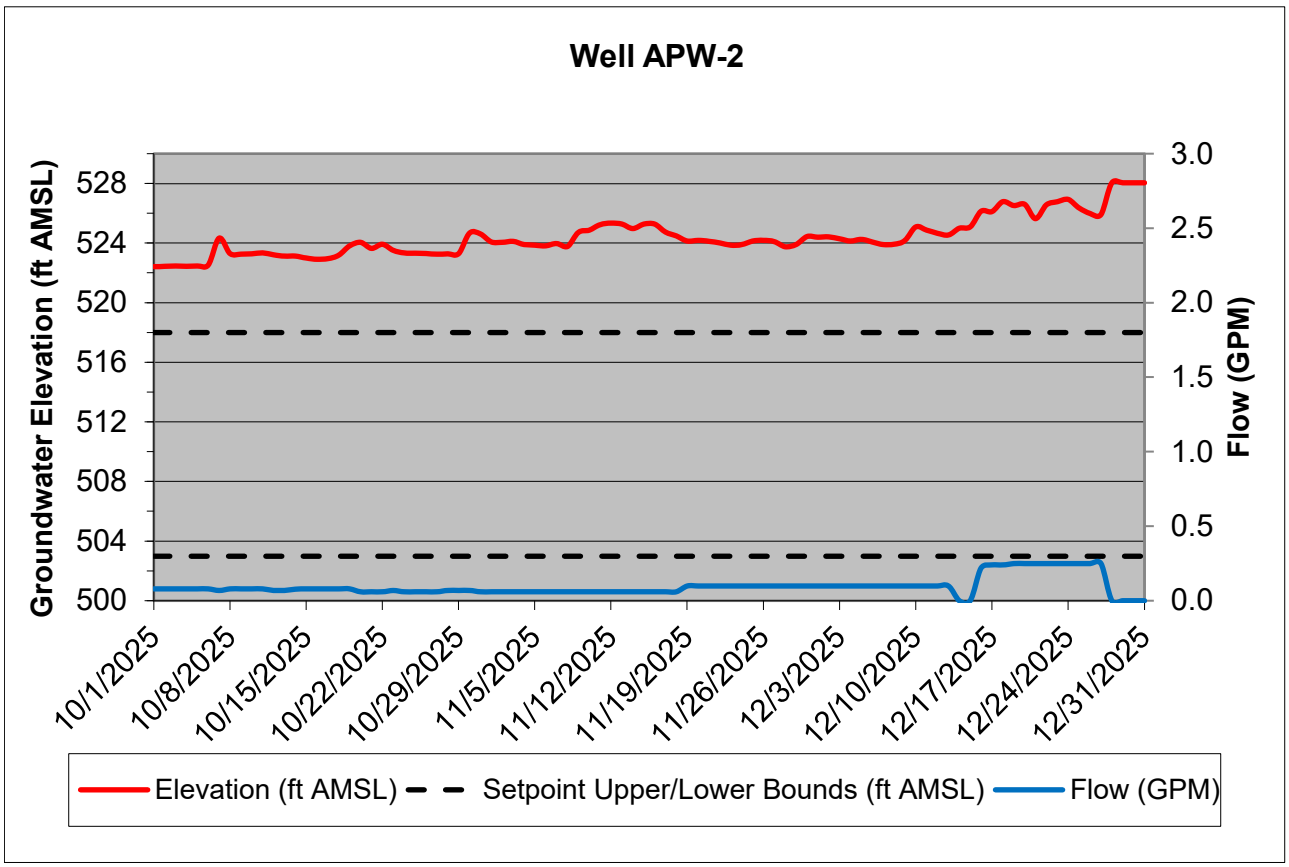
HYDE PARK





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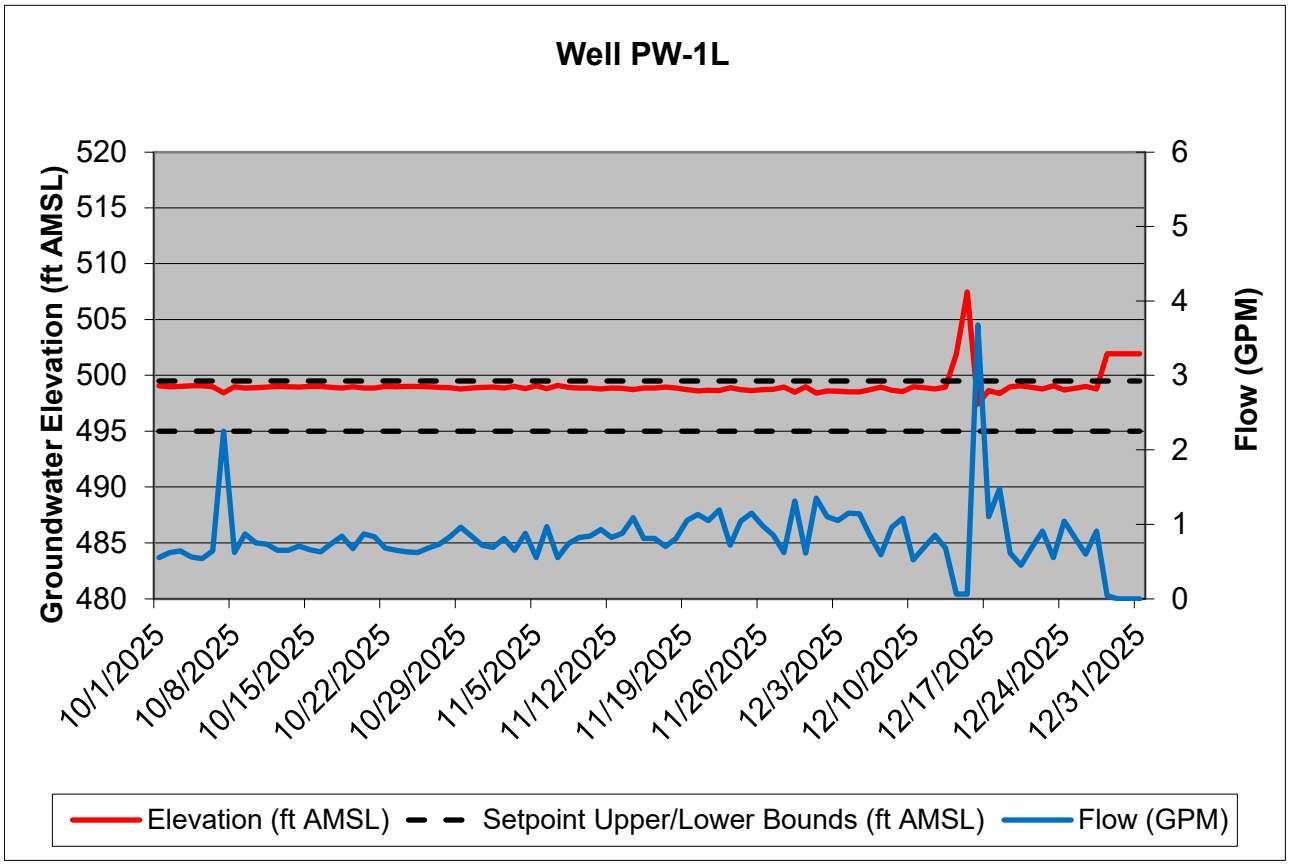

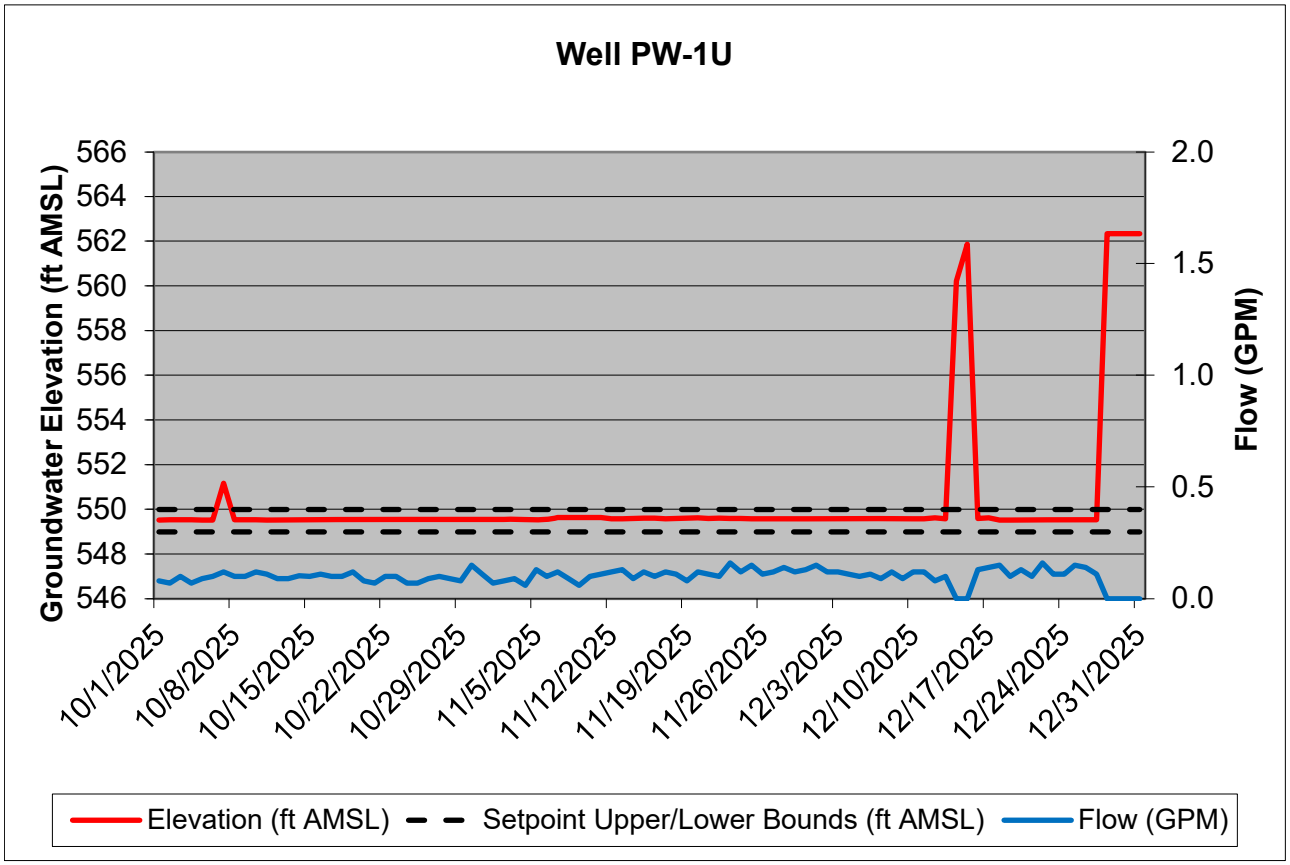

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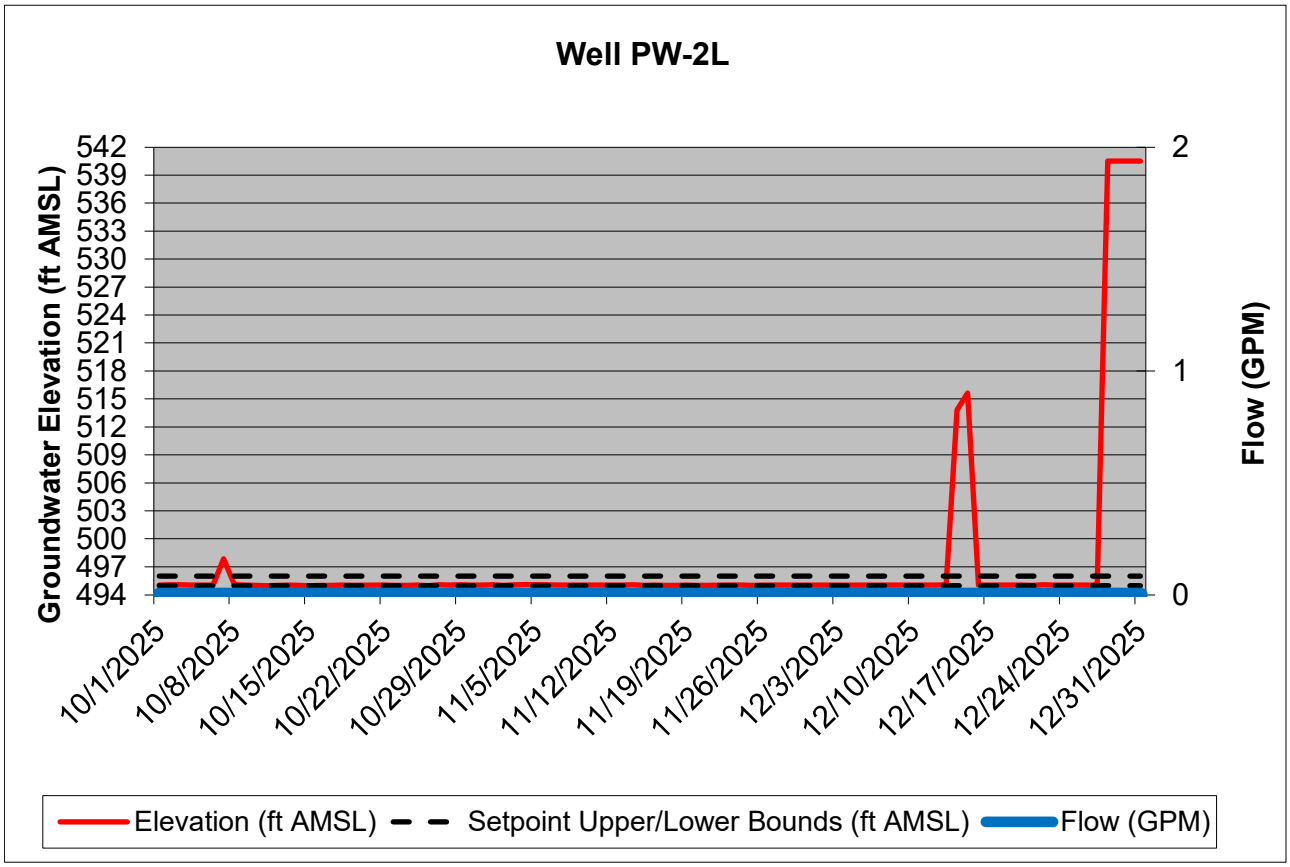

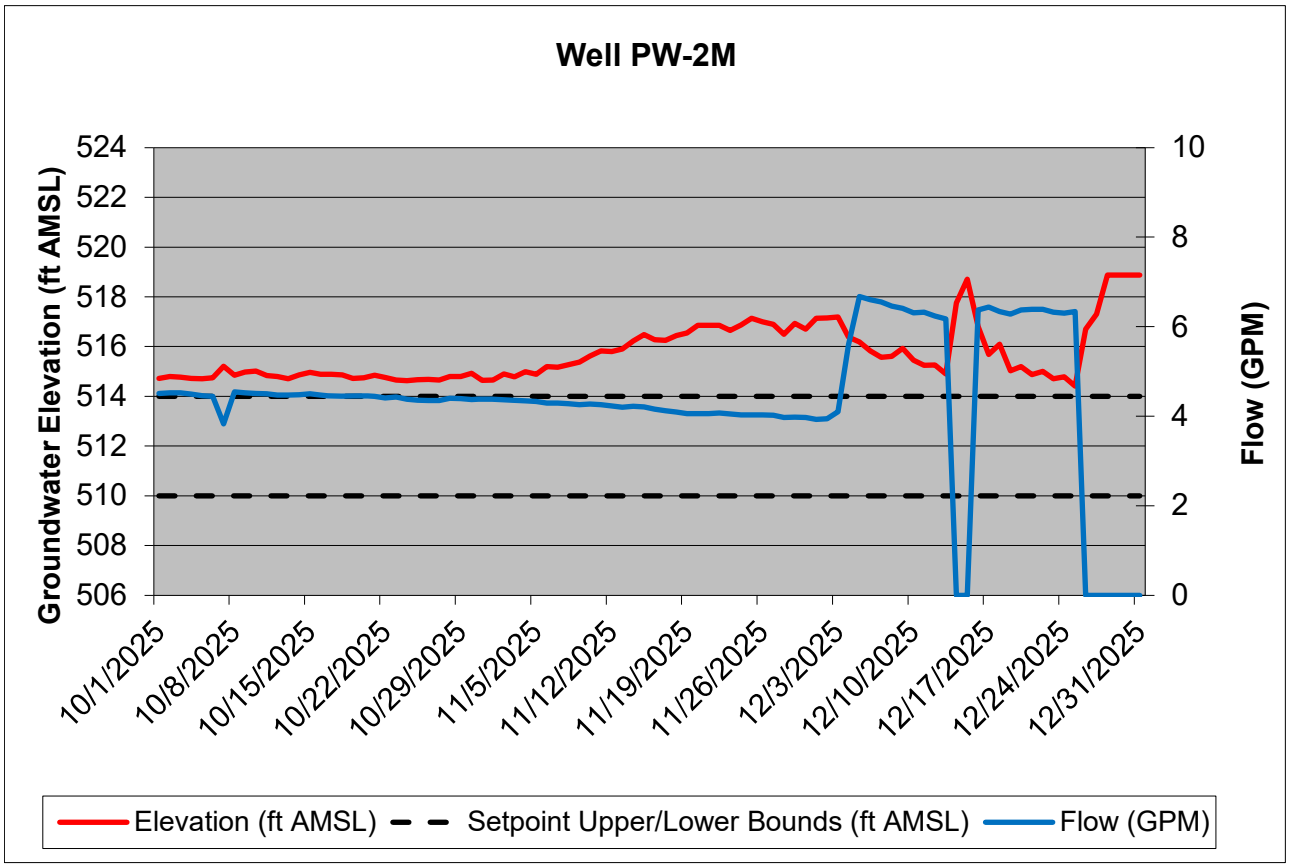

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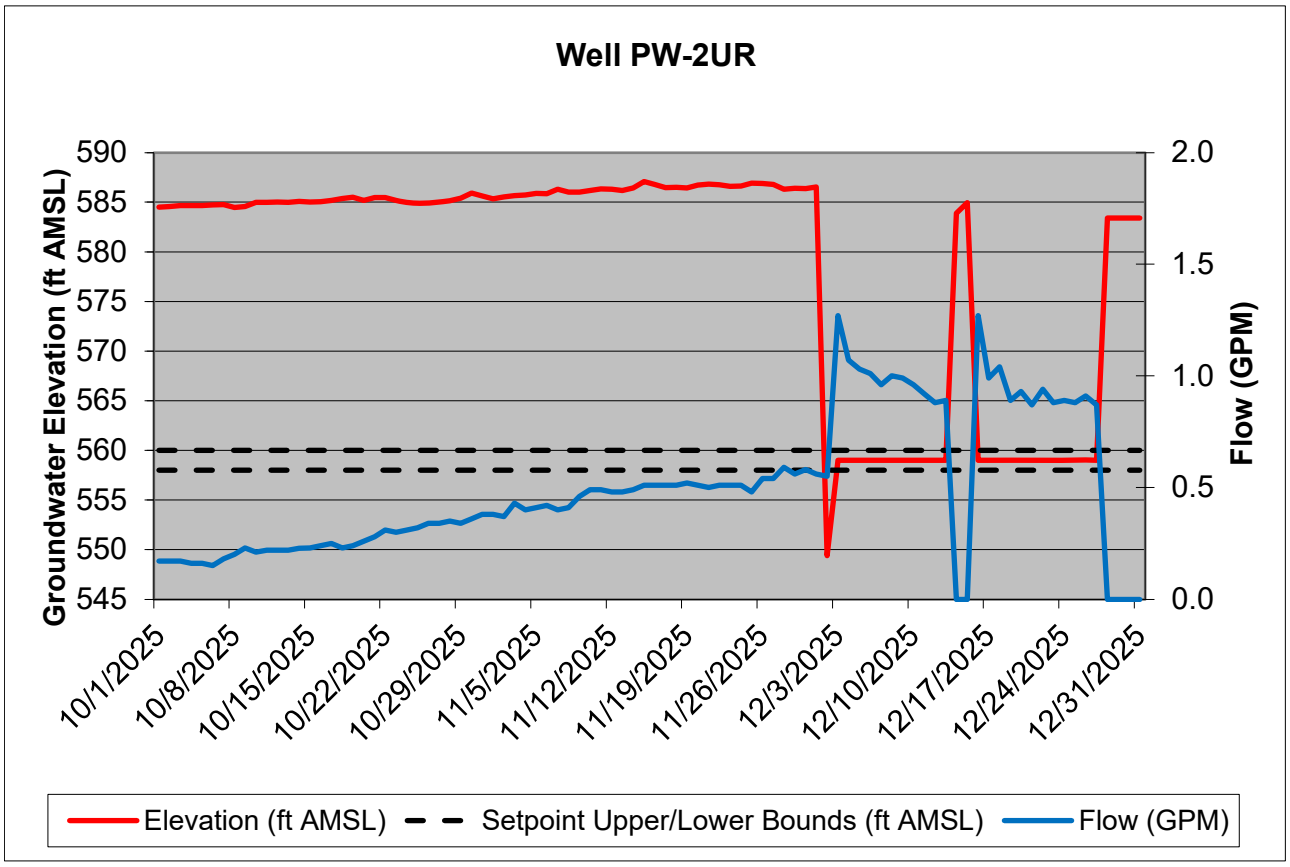
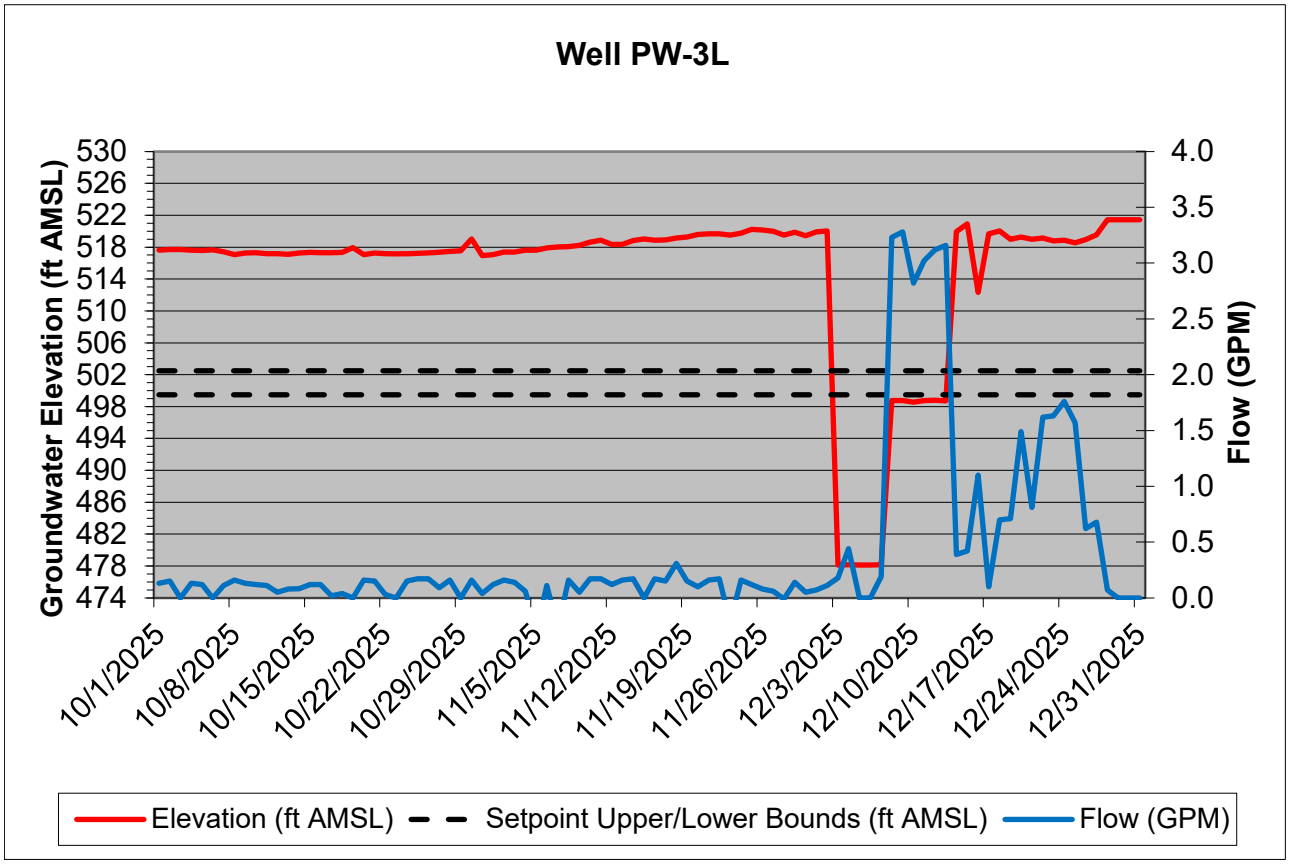
HYDE PARK





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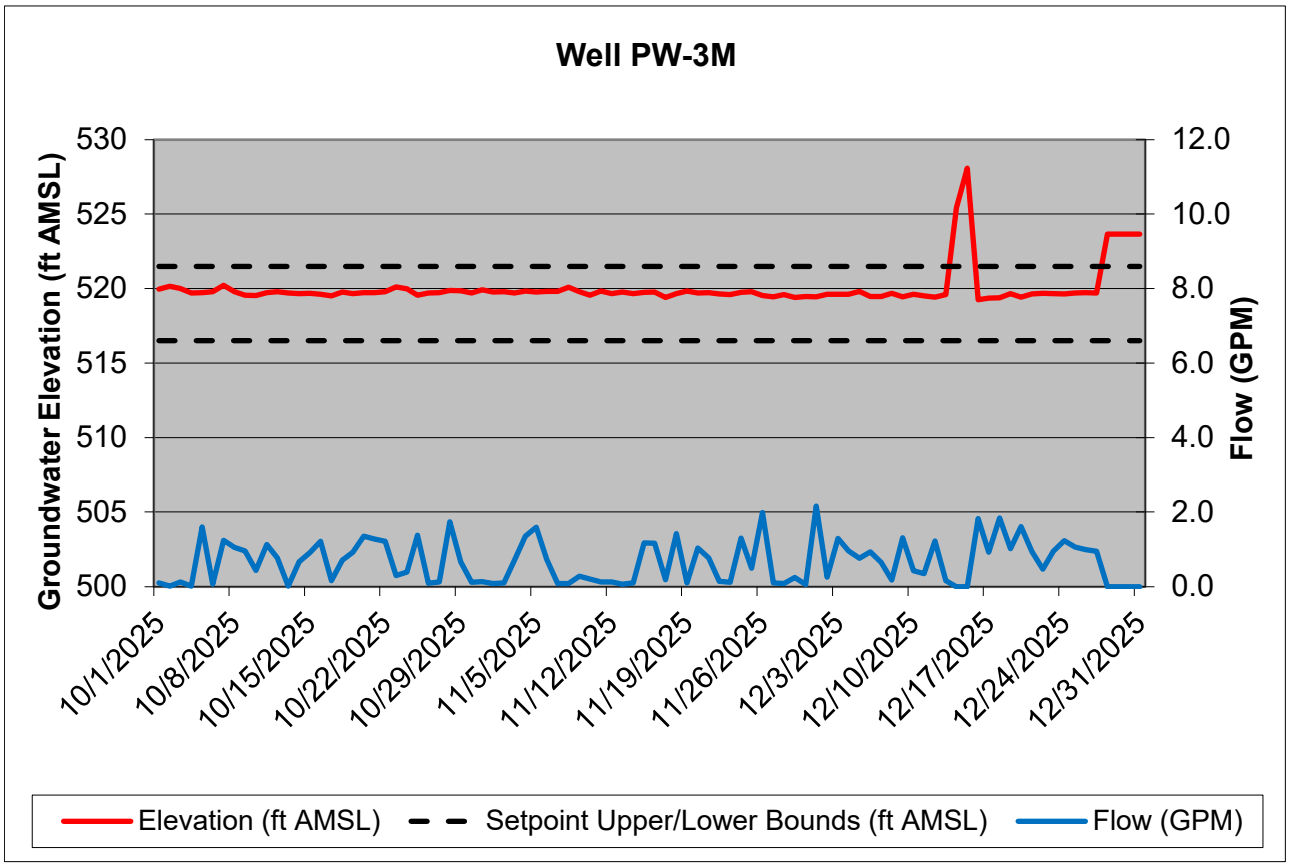

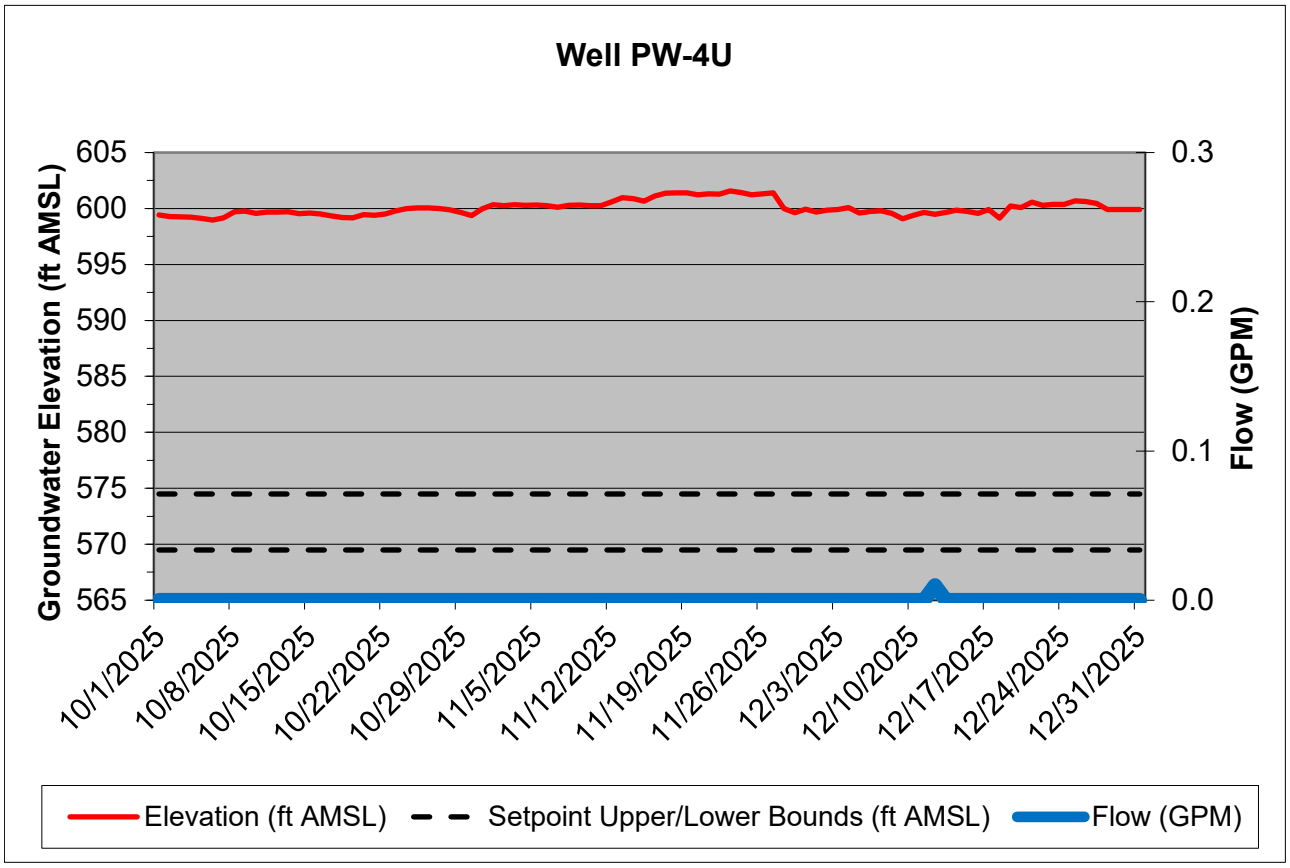

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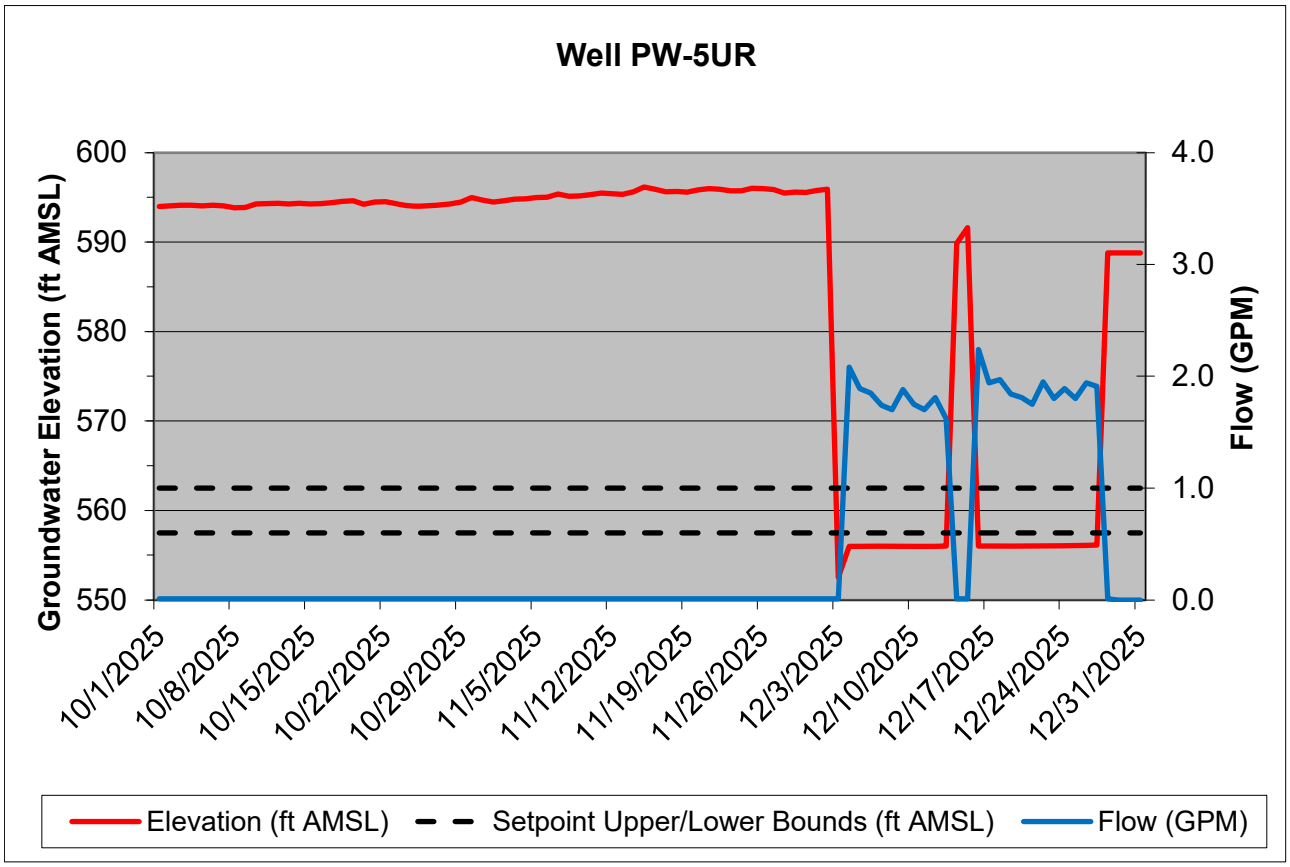

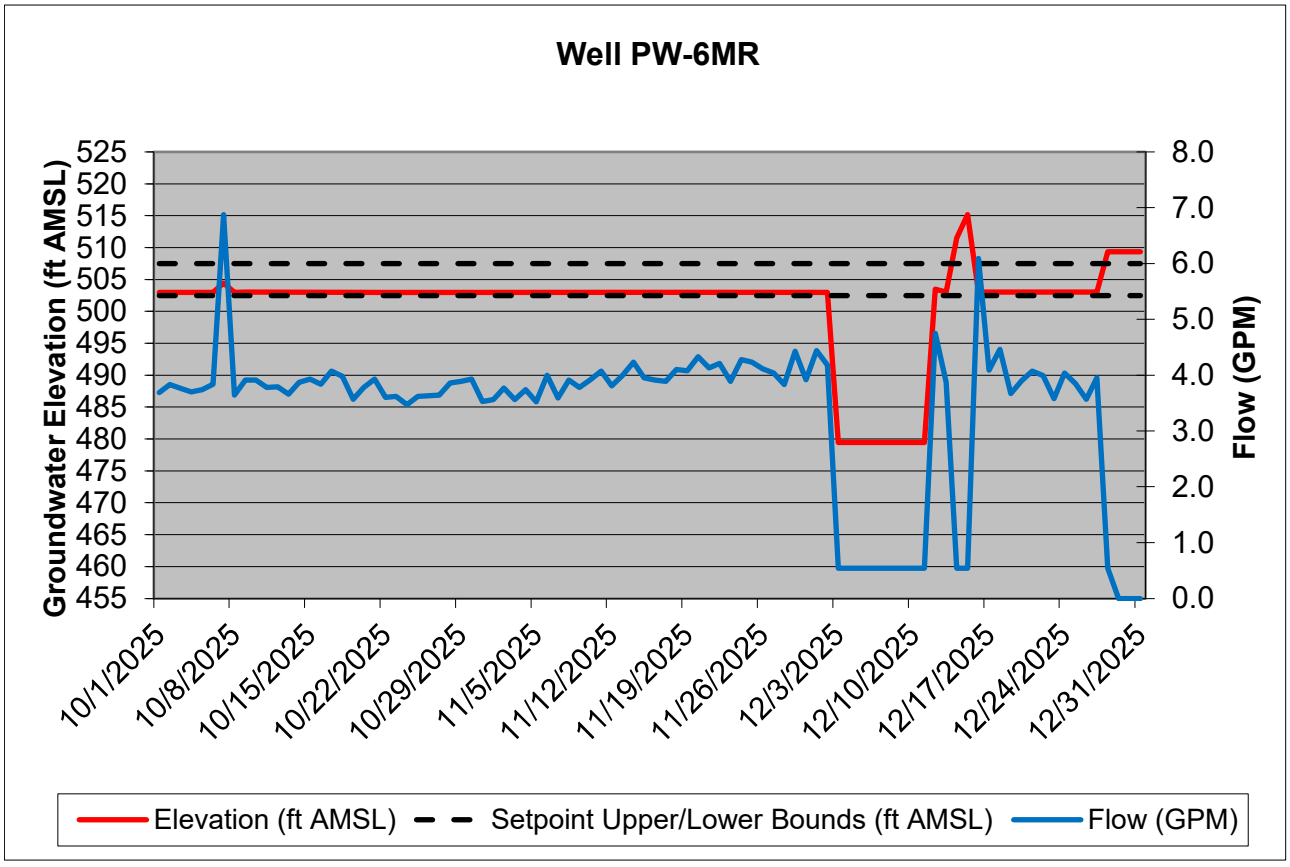

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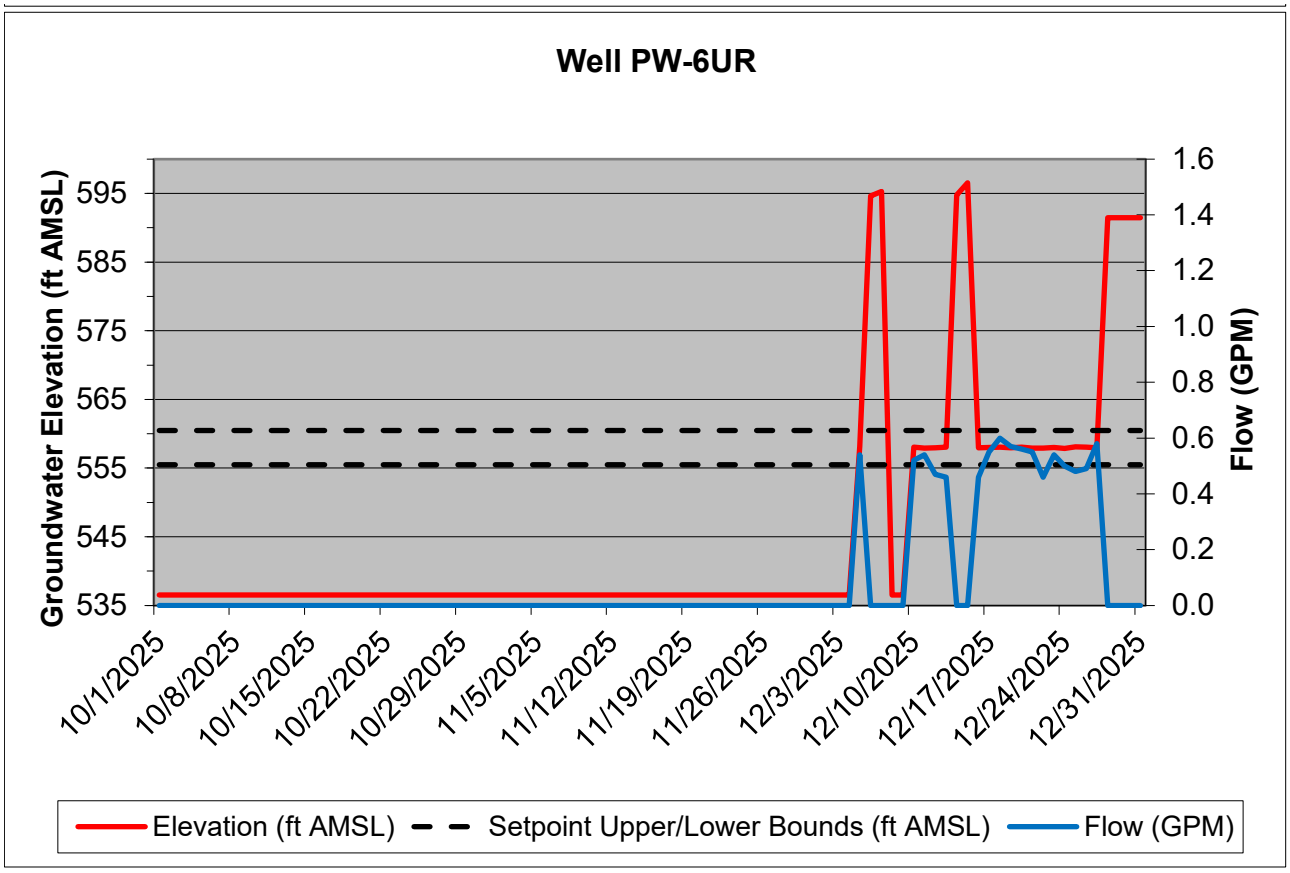

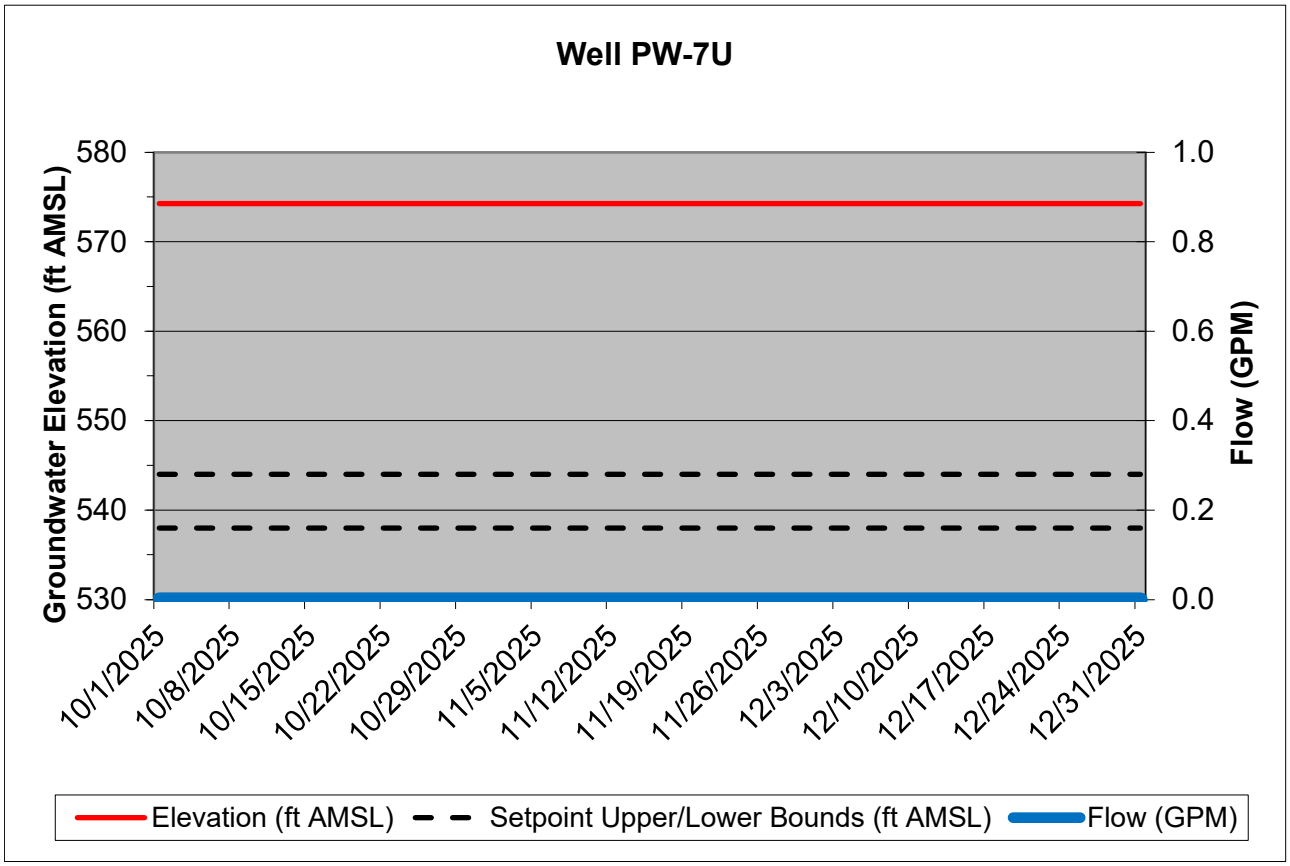

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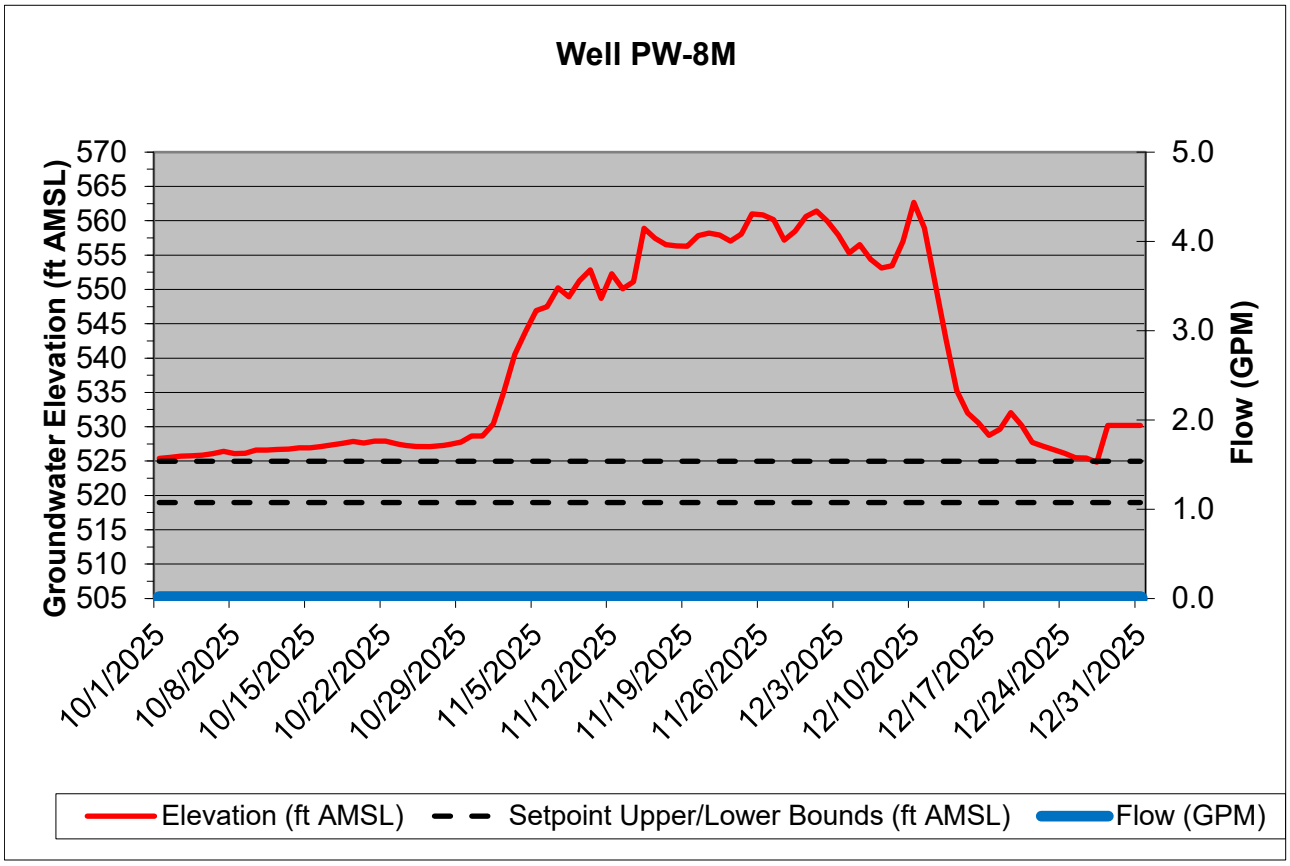

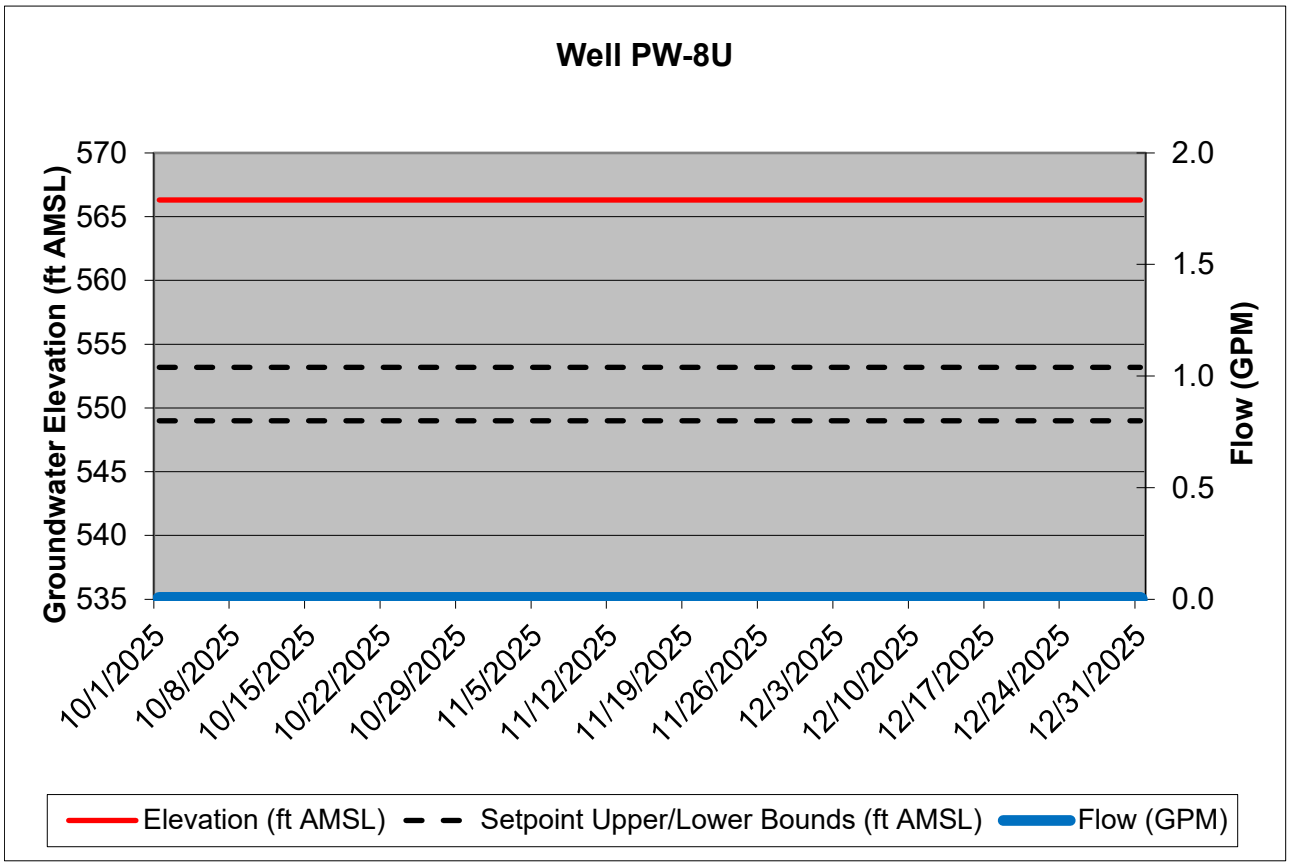

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