



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
Fax (231) 894-4033

July 31, 2014

Reference No. 001069

Ms. Gloria M. Sosa
USEPA
Region II, Site Investigation & Compliance Branch
290 Broadway, 20th Floor
New York, NY 10007-1866

Mr. Brian P. Sadowski
NYSDEC
270 Michigan Avenue
Buffalo, NY 14203-2999

Dear Ms. Sosa and Mr. Sadowski:

Re: Quarterly Operations Report – Second Quarter 2014
Hyde Park Remedial Program
Bedrock and Overburden Monitoring Programs

In accordance with the July 2006 "Performance Monitoring Plan" (PMP), the following is the Quarterly Operations Report for the Hyde Park Remedial Program for the period April 1, 2014 through June 30, 2014. A total of 11.2 million gallons of aqueous phase liquid (APL) was collected, treated, and discharged in compliance with our City of Niagara Falls Publicly Owned Treatment Works (POTW) Significant Industrial Users Wastewater Discharge Permit #49. No non-aqueous phase liquid (NAPL) was shipped for disposal in the second quarter. The potentiometric contours are consistent with previous interpretations. Flow Zones 6, 7, and 9 have dewatered areas between the landfill and the gorge face. The current data continue 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: water level 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

The pumping wells are operational and functioning as designed. 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 setpoint in accordance with the Operation & Maintenance Manual (setpoint range). The following minor operational and setpoint issues were investigated or resolved during the Second Quarter 2014:

- A compressor failure at about 11:00 p.m. on April 13 caused the treatment system and all pumping wells to shut down. The treatment system and wells were restarted at approximately 7:00 a.m. on April 14. The shutdown, along with a rainfall event (0.7 inch from April 13 to April 15) caused the water level in all wells but PW-4M and PW-8M to rise above setpoint from April 13 to April 14. The water level in all wells had returned to setpoint by April 15, except PW-2UR and PW-3L, which are discussed below.
- The pump in PW-2UR periodically shuts off overnight due to a false low-low level alarm even though the water level is substantially above the low-low alarm setting based on a comparison of the water level trend before and after the time the alarm trips. The pump will not restart until the alarm is cleared, which is done as soon as the operator arrives in the morning. After significant investigation could not determine the source of the false signal, the alarm programming was revised on April 28 to provide a 30-second delay before the low-low alarm trips. This delay prevents a short false signal from tripping the alarm. Since the programming change was implemented, the low-low alarm has not been tripped, and the water level was at setpoint for the remainder of the quarter.
- A faulty level transmitter caused the water level in PW-3L to rise above setpoint. The transmitter was replaced, and the water level has remained at setpoint since April 29.
- The water level in PW-3M has been above setpoint since June 15. The water level in this well remains at setpoint while the Site is manned; however, recurring false high and low level alarms are shutting down the well after work hours, requiring the well to be reset manually the following morning. Investigation to diagnose is ongoing.
- A rain event (1.1 inches April 7 to April 8) caused the water level in APW-1 to rise above setpoint on April 8. The water level returned to setpoint on April 10. A second rain event (1.0 inch April 29 to April 30) caused the water level to rise above setpoint beginning on May 1. The water level returned to setpoint on May 2 and remained at setpoint for the remainder of the quarter.
- APW-2 was similarly affected by these rain events. The first (1.1 inches April 7 to April 8) caused the water level in APW-2 to rise above setpoint beginning April 8. The water level returned to setpoint on April 9. A second rain event (1.0 inch April 29 to April 30) caused water level to rise above setpoint beginning on May 1. The water level returned to setpoint on May 2 and remained at setpoint the remainder of the quarter.

July 31, 2014

Reference No. 001069

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- PW-8M does not pump for long periods because the water level typically remains within setpoint, only turning on during large rain events, such as those on April 7 to April 8 (1.1 inches), April 13 to April 15 (0.7 inch), and April 29 to April 30 (1.0 inch).
- The water level in PW-8U went above setpoint on May 1. This occurred because water from a heavy rain event (1.0 inch April 29 to April 30) infiltrated the vault, causing the leak detection system to shut the pump down. The vault was inspected for leaks and none were found. The pump was then manually restarted, and the water level returned to setpoint on May 2 and remained at setpoint for the remainder of the quarter.

As of June 30, all wells were operating at or below setpoint except PW-3M. Issues with this well will continue to be addressed in the third quarter of 2014.

An electronic copy of this report is included on the attached CD. 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.



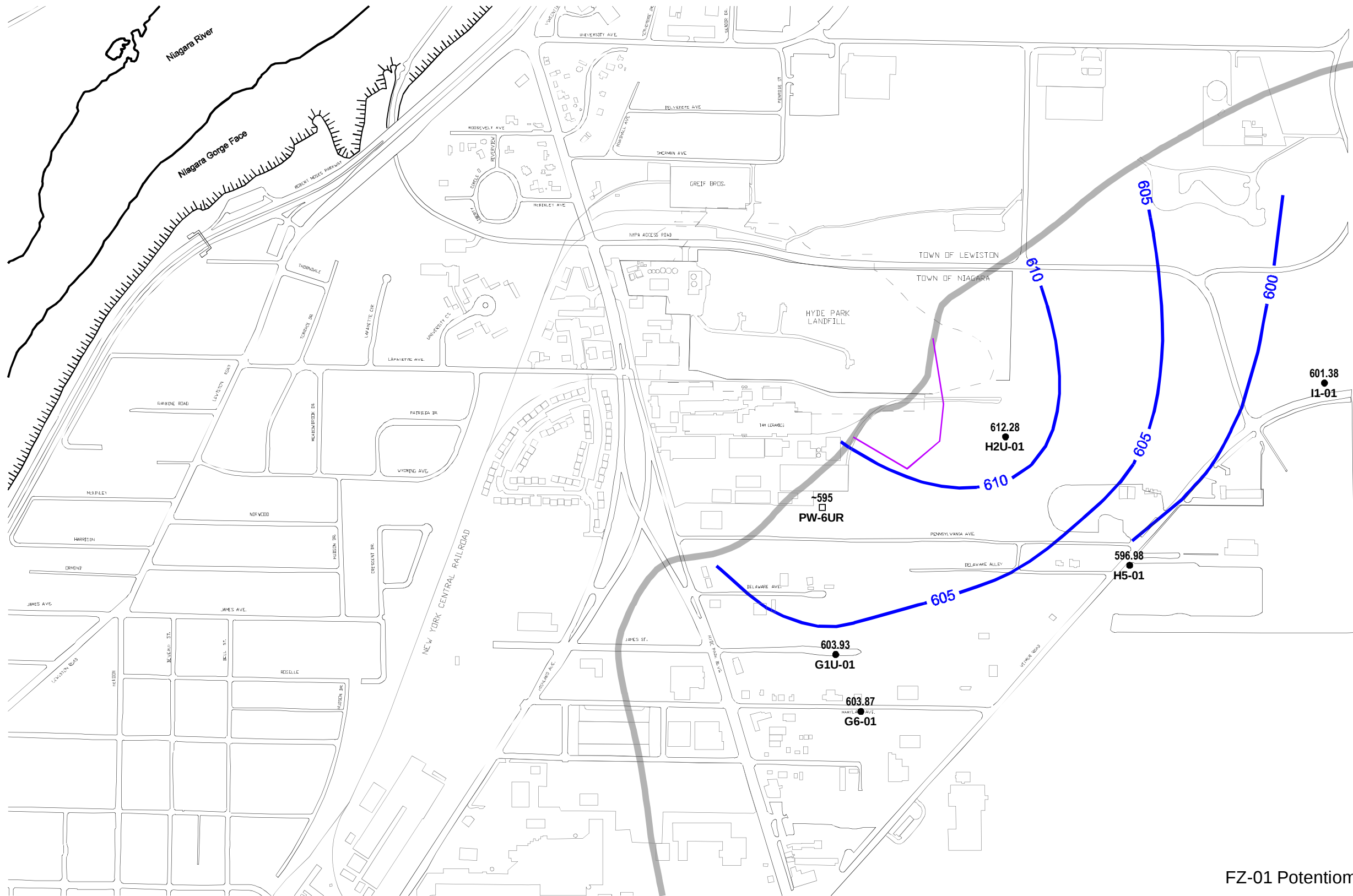
Joe Branch
Site Manager
231-670-6809 Cell

JB/adh/16
Encl.

c.c.: M. Anderson, GSH (1)
C. Babcock, GSH (1)
M. Forcucci, NYSDOH (1*)
J. Pentilchuk, CRA (email)

B. Sadowski, NYSDEC (CD Only)
G. Sosa, USEPA (4*)
J. Polovich, CRA (email)

*Includes one copy on CD



Legend

- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- Piezometer used in contouring
- Piezometer considered unreliable - data not used in contouring
- Purge Well - data not used in contouring

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.

- 525

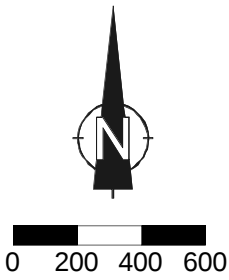
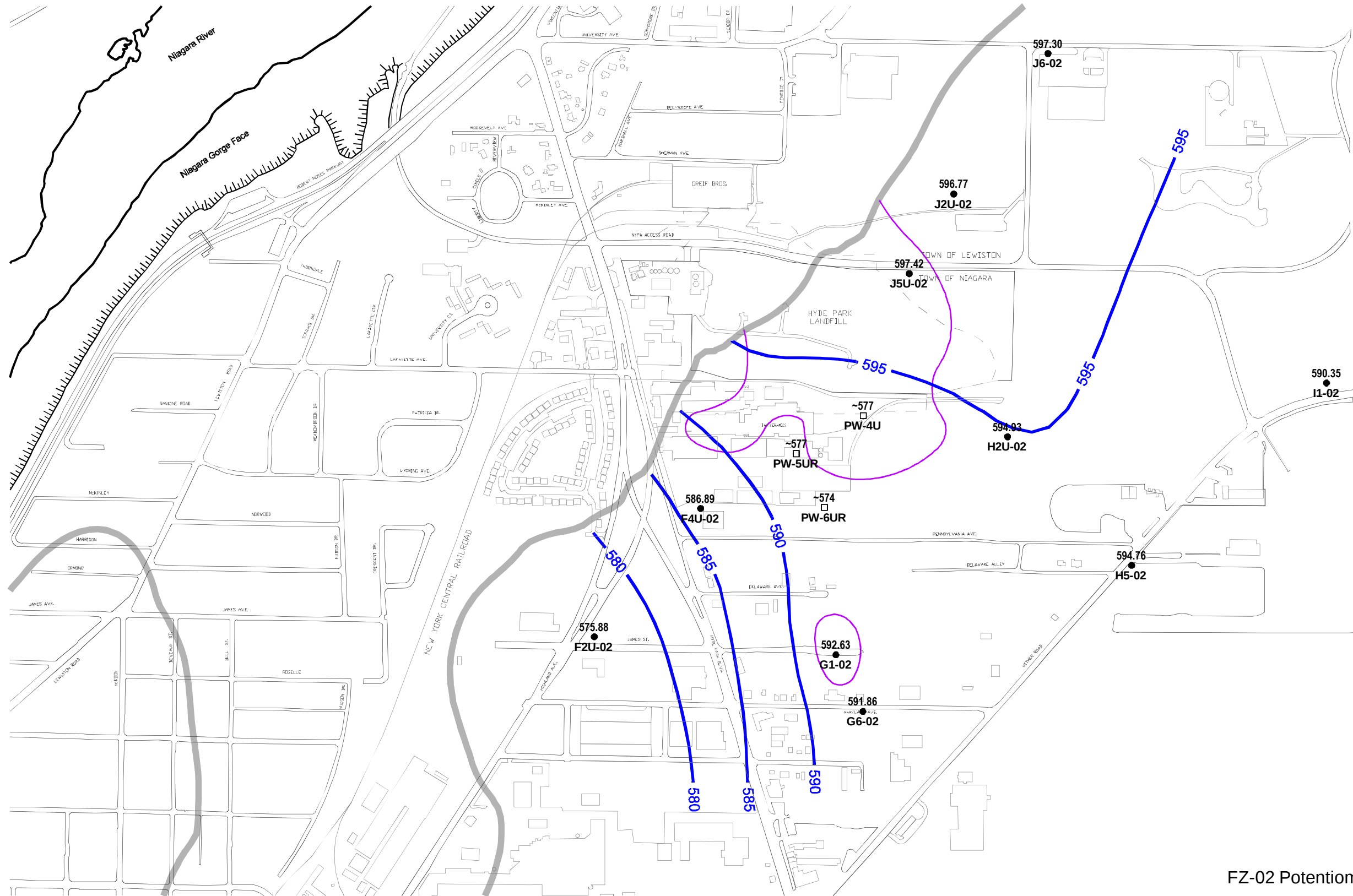


figure 1
 FZ-01 Potentiometric Surface June 2014
 2nd Quarter Report
 Hyde Park Landfill Site
 Glenn Springs Holdings, Inc.
 Niagara Falls, New York



Legend

- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- Piezometer used in contouring
- Piezometer considered unreliable - data not used in contouring
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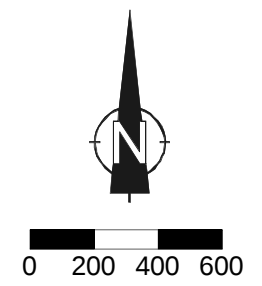
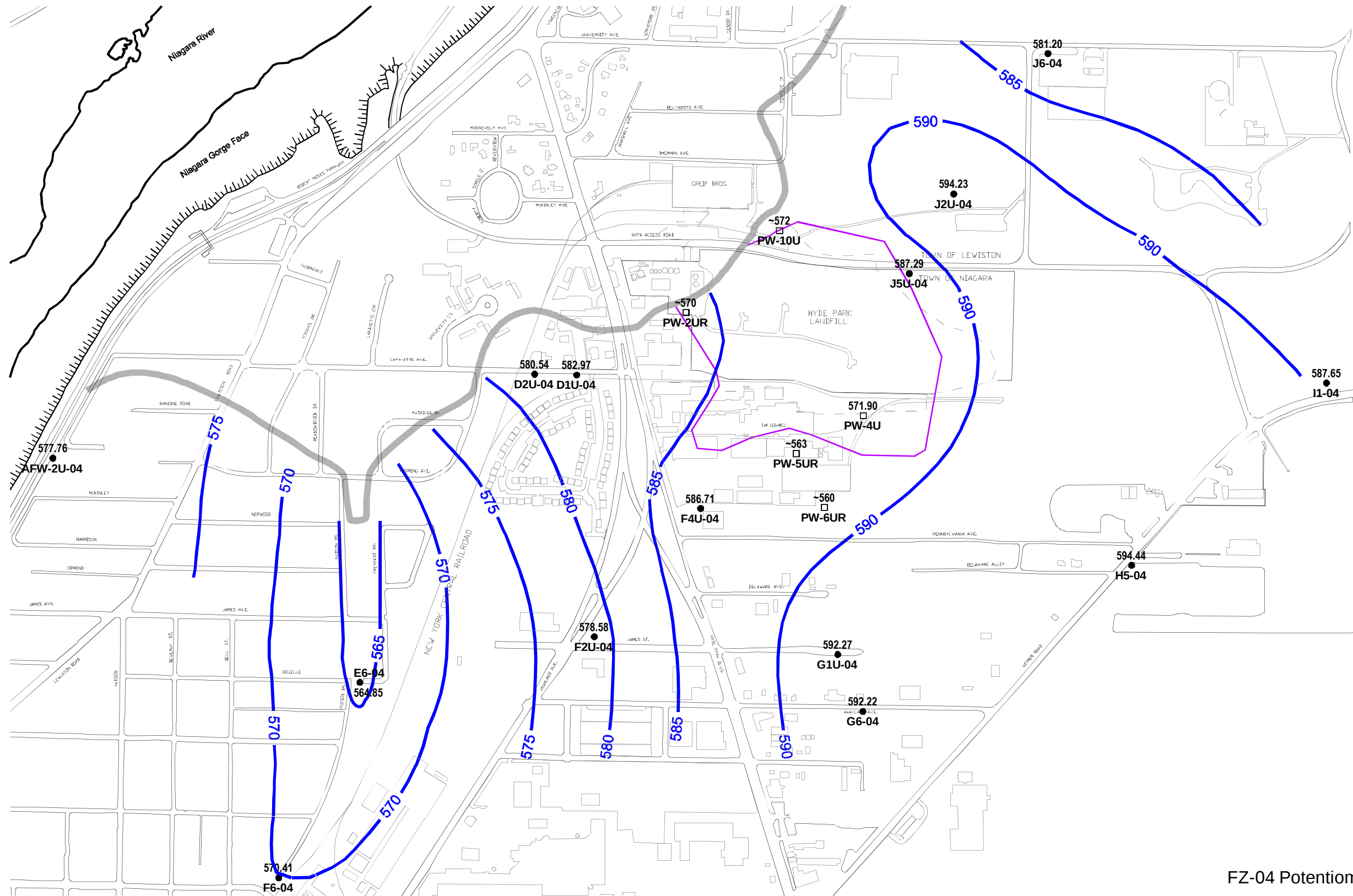


figure 2
FZ-02 Potentiometric Surface June 2014
2nd Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York



Legend

- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- Piezometer used in contouring
- Piezometer considered unreliable - data not used in contouring
- Purge Well - data not used in contouring

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.

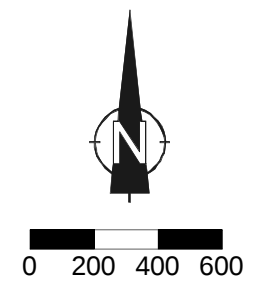
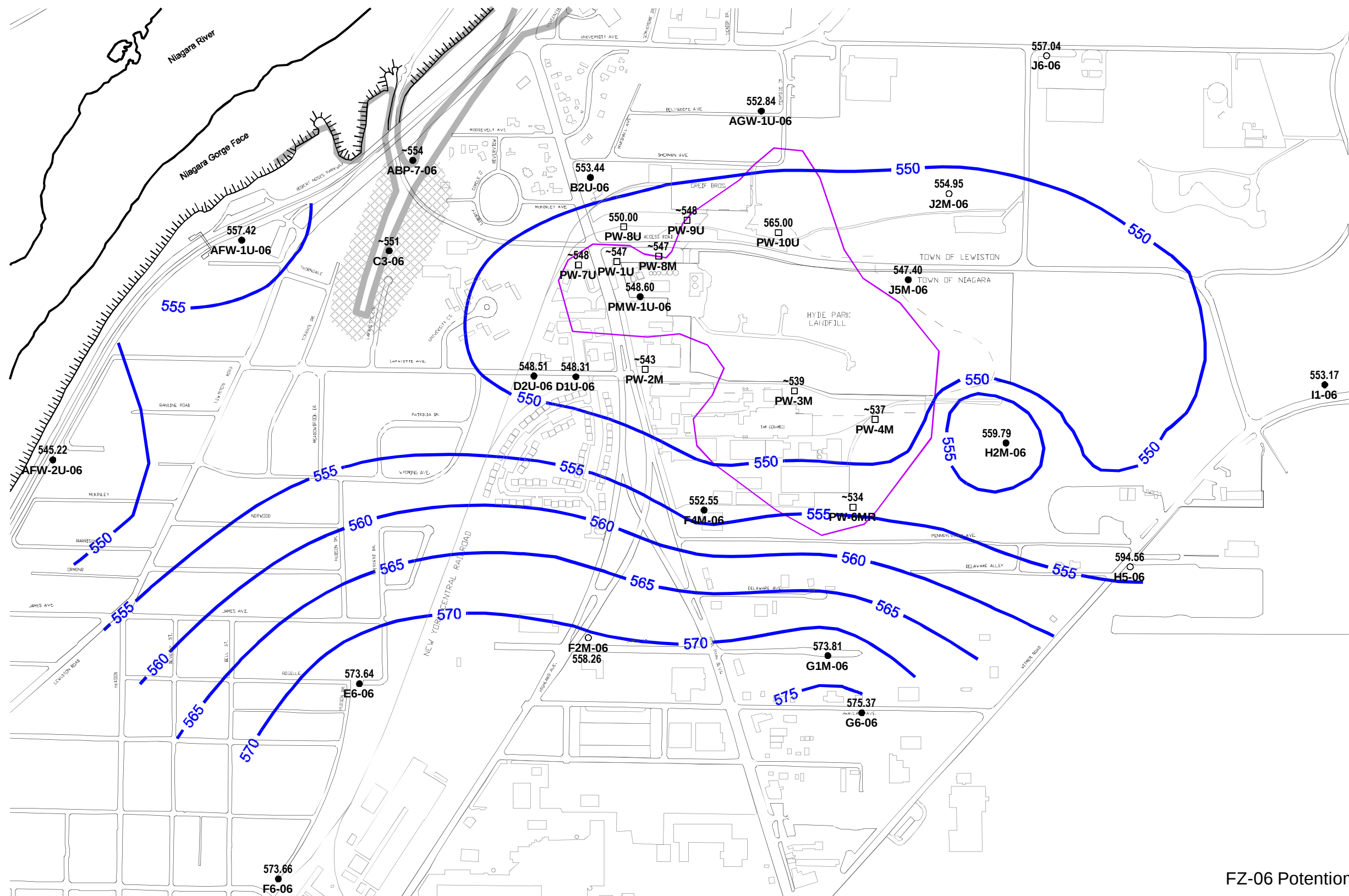


figure 3
 FZ-04 Potentiometric Surface June 2014
 2nd Quarter Report
 Hyde Park Landfill Site
 Glenn Springs Holdings, Inc.
 Niagara Falls, New York



Legend

- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- Piezometer used in contouring
- Piezometer considered unreliable - data not used in contouring
- Purge Well - data not used in contouring

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.

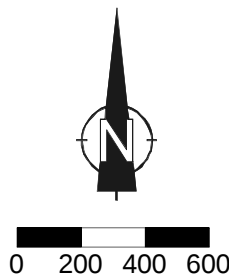
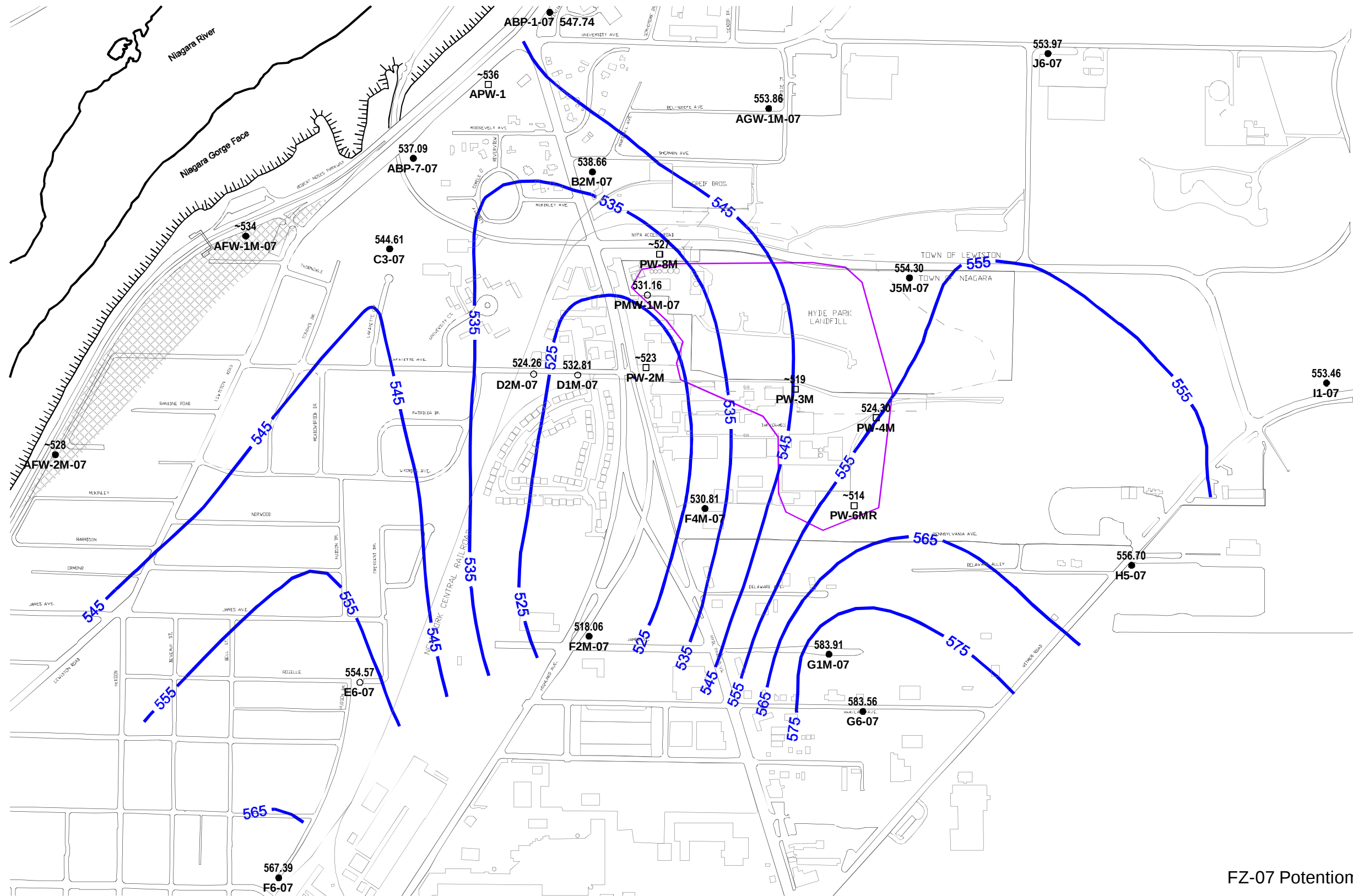


figure 5
FZ-06 Potentiometric Surface June 2014
2nd Quarter Report
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Glenn Springs Holdings, Inc.
Niagara Falls, New York



Legend

- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- Piezometer used in contouring
- Piezometer considered unreliable - data not used in contouring
- Purge Well - data not used in contouring

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.

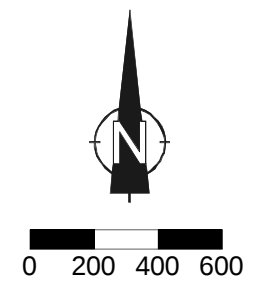


figure 6
FZ-07 Potentiometric Surface June 2014
2nd Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York

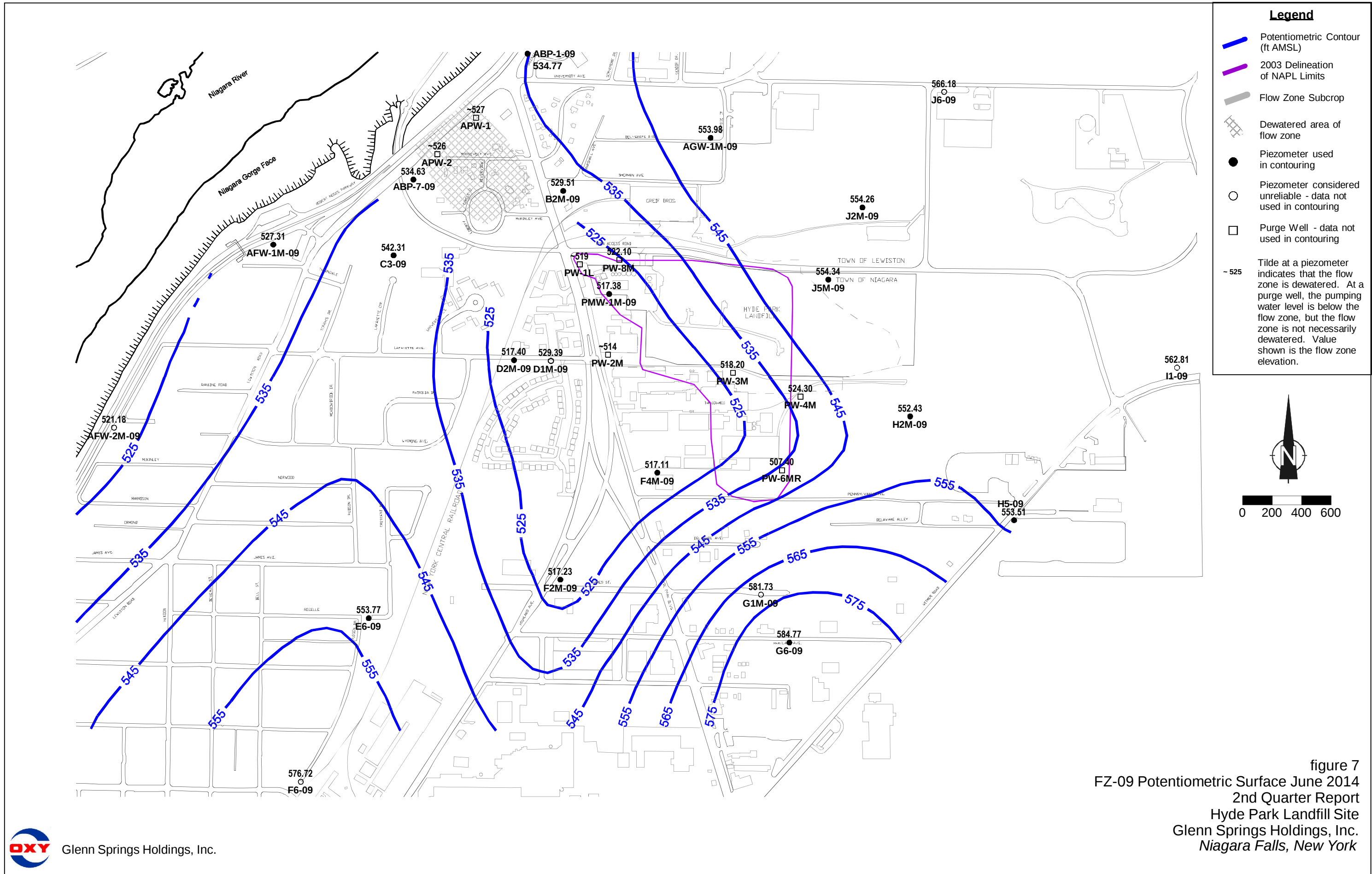
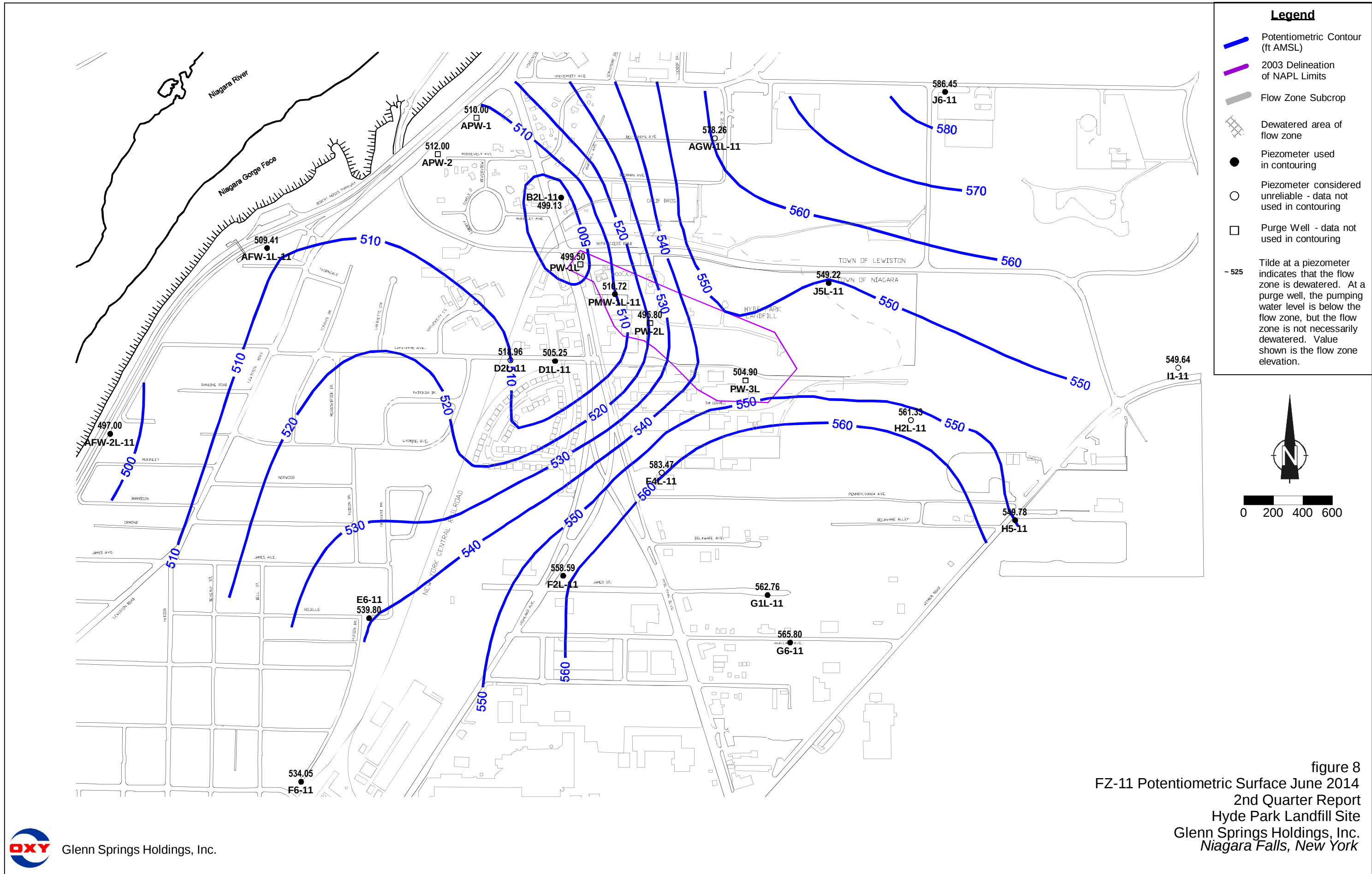
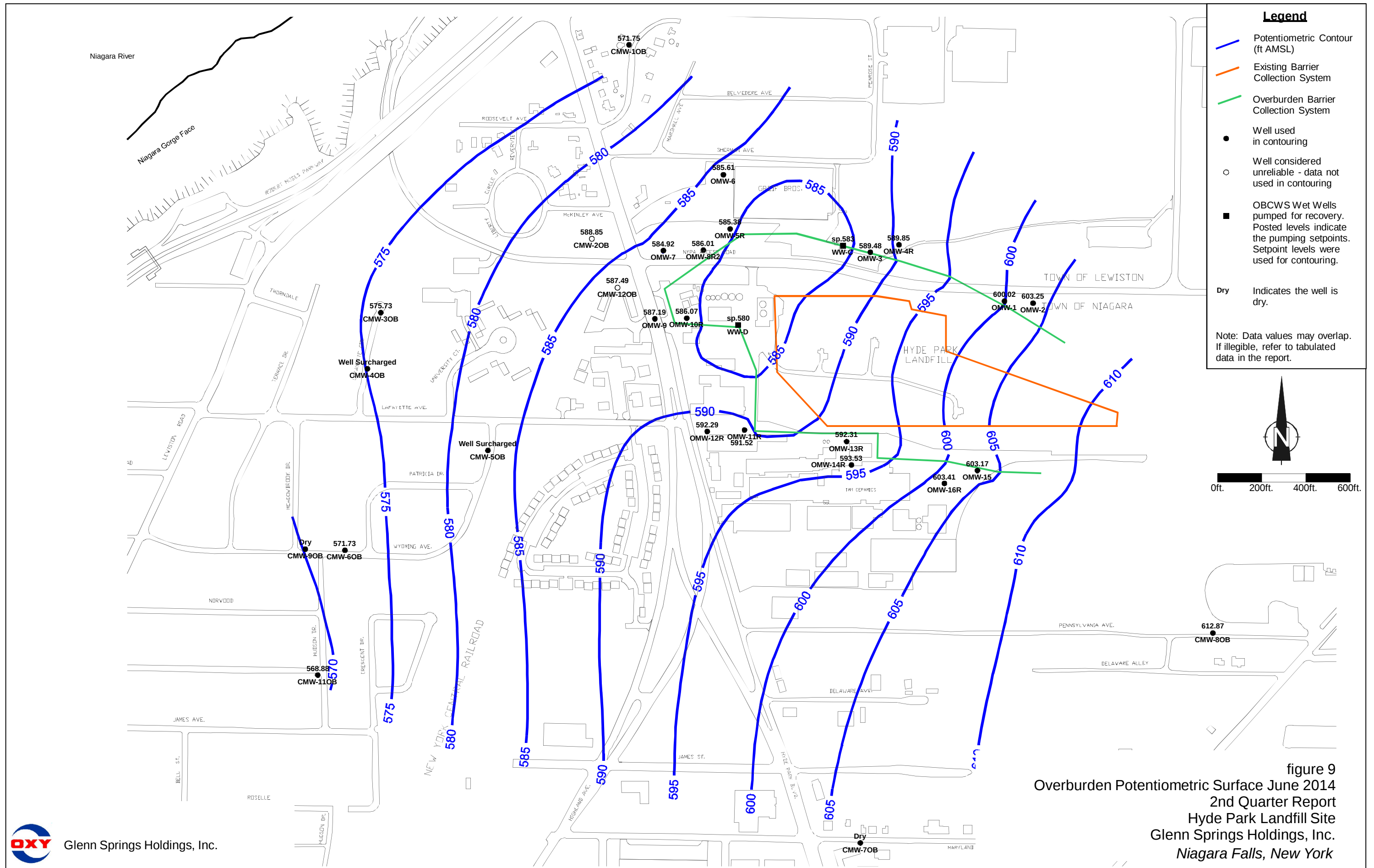


figure 7
FZ-09 Potentiometric Surface June 2014
2nd Quarter Report
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Glenn Springs Holdings, Inc.
Niagara Falls, New York







PMW-1M-09 2nd Quarter 2014 - Hourly Water Level Elevation

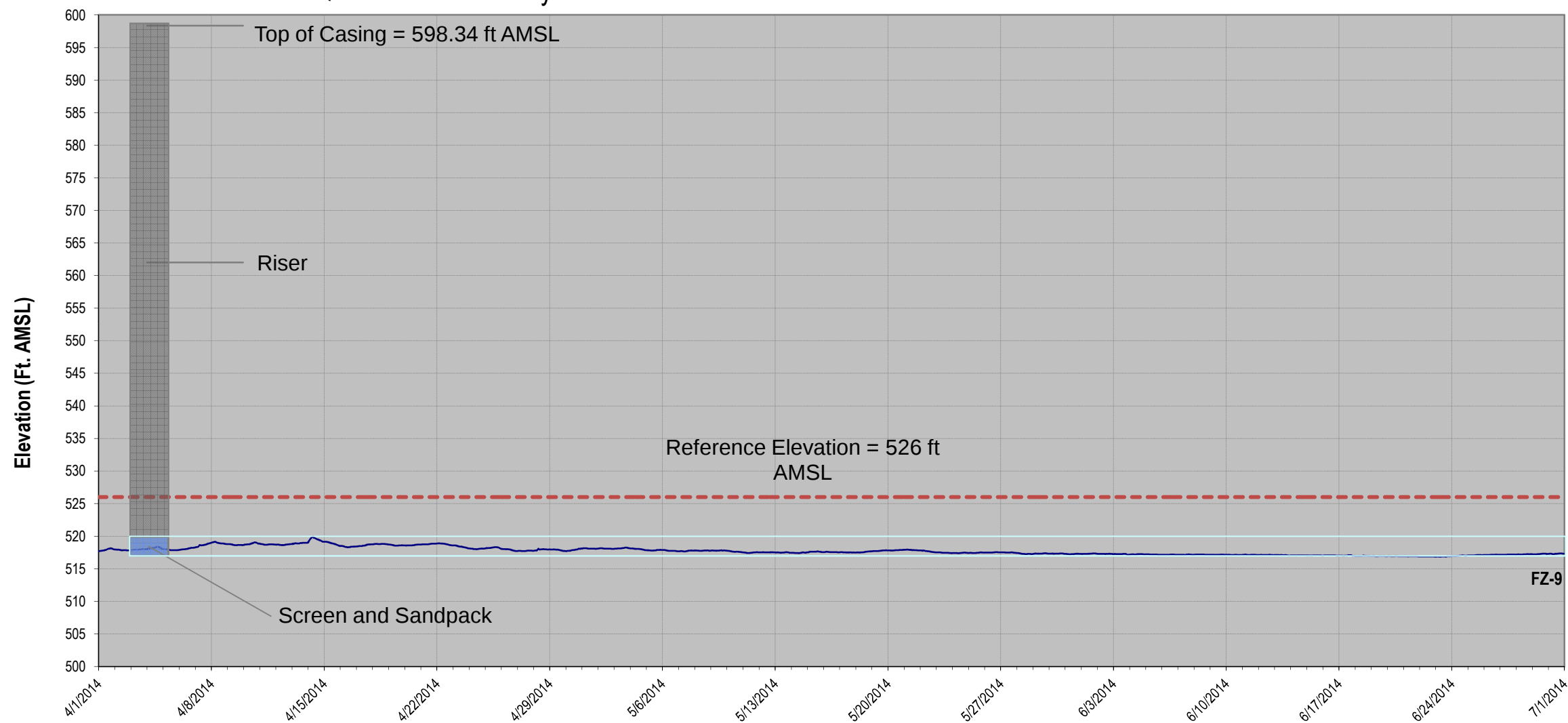


figure 10

**WATER LEVEL ELEVATION SUMMARY
SECOND QUARTER - 2014
HYDE PARK RRT PROGRAM**

<i>Well</i>	<i>Reference Elevation (ft AMSL)</i>	<i>Depth to Water (ft)</i>	<i>Water Level Elevation (ft AMSL)</i>
Overburden			
CMW-2OB	590.79	1.94	588.85
CMW-3OB	582.13	6.40	575.73
CMW-4OB	574.28	Surcharged	≥ 574.28
CMW-5OB	583.43	Surcharged	≥ 589.43
CMW-6OB	571.89	0.16	571.73
CMW-7OB	611.00	Dry	-
CMW-8OB	616.11	3.24	612.87
CMW-9OB	571.76	Dry	-
CMW-10B	576.80	5.05	571.75
CMW-11OB	572.85	3.97	568.88
CMW-12OB	594.74	7.25	587.49
OMW-1	605.28	5.26	600.02
OMW-2	605.99	2.74	603.25
OMW-3	598.63	9.15	589.48
OMW-4R	601.17	11.32	589.85
OMW-5R	591.31	5.93	585.38
OMW-6	587.62	2.01	585.61
OMW-7	592.74	7.82	584.92
OMW-8R2	594.67	8.66	586.01
OMW-9	595.52	8.33	587.19
OMW-10R	595.13	9.06	586.07
OMW-11R	597.52	6.00	591.52
OMW-12R	597.20	4.91	592.29
OMW-13R	601.50	9.19	592.31
OMW-14R	599.64	6.11	593.53
OMW-15	607.48	4.31	603.17
OMW-16R	607.62	4.21	603.41
SC-2	625.61	30.45	595.16
SC-3	638.72	40.34	598.38
SC-4	639.35	38.08	601.27
SC-5	634.07	-	- ⁽¹⁾
SC-6	631.15	34.22	596.93
Shallow Bedrock			
CMW-1SH	576.11	12.22	563.89
CMW-2SH	590.51	18.47	572.04
CMW-3SH	581.91	32.47	549.44
CMW-4SH	574.16	7.40	566.76
CMW-5SH	583.36	4.81	578.55
CMW-6SH	572.05	9.74	562.31
CMW-7SH	610.58	10.59	599.99
CMW-8SH	615.95	5.72	610.23
CMW-9SH	571.96	11.95	560.01
CMW-11SH	573.21	8.10	565.11
CMW-12SH	597.02	27.15	569.87

**WATER LEVEL ELEVATION SUMMARY
SECOND QUARTER - 2014
HYDE PARK RRT PROGRAM**

<i>Well</i>	<i>Reference Elevation (ft AMSL)</i>	<i>Depth to Water (ft)</i>	<i>Water Level Elevation (ft AMSL)</i>
Flow Zone 1			
G1U-01	617.08	13.15	603.93
G6-01	609.24	5.37	603.87
H2U-01	620.92	8.64	612.28
H5-01	617.61	20.63	596.98
I1-01	625.58	24.20	601.38
Flow Zone 2			
F2U-02	599.89	24.01	575.88
F4U-02	602.32	15.43	586.89
G1-02	616.86	24.23	592.63
G6-02	608.65	16.79	591.86
H2U-02	620.88	25.95	594.93
H5-02	617.47	22.71	594.76
I1-02	625.47	35.12	590.35
J2U-02	609.66	12.89	596.77
J5U-02	606.21	8.79	597.42
J6-02	609.23	11.93	597.30
Flow Zone 4			
AFW-2U-04	593.48	15.72	577.76
D1U-04	593.77	10.80	582.97
D2U-04	590.65	10.11	580.54
E6-04	578.23	13.38	564.85
F2U-04	599.76	21.18	578.58
F4U-04	602.19	15.48	586.71
F6-04	588.06	17.65	570.41
G1U-04	616.96	24.69	592.27
G6-04	609.15	16.93	592.22
H5-04	617.40	22.96	594.44
I1-04	625.30	37.65	587.65
J2U-04	609.42	15.19	594.23
J5U-04	606.05	18.76	587.29
J6-04	609.12	27.92	581.20
Flow Zone 5			
AFW-2U-05	593.33	15.45	577.88
AGW-1U-05	591.80	5.09	586.71
D1U-05	593.51	12.35	581.16
D2U-05	590.56	10.58	579.98
E6-05	578.04	10.34	567.70
F2U-05	599.64	20.89	578.75
F4U-05	602.06	16.45	585.61
F6-05	587.85	17.55	570.30
G6-05	609.13	17.17	591.96
H2M-05	621.59	26.78	594.81
H5-05	617.31	24.31	593.00
I1-05	625.25	69.81	555.44
J2U-05	609.30	29.41	579.89
J5U-05	605.87	26.03	579.84
J6-05	609.02	28.12	580.90
PMW-1U-05	598.00	20.57	577.43

**WATER LEVEL ELEVATION SUMMARY
SECOND QUARTER - 2014
HYDE PARK RRT PROGRAM**

<i>Well</i>	<i>Reference Elevation (ft AMSL)</i>	<i>Depth to Water (ft)</i>	<i>Water Level Elevation (ft AMSL)</i>
Flow Zone 6			
ABP-7-06	575.78	Dry	-
AFW-1U-06	571.83	14.41	557.42
AFW-2U-06	593.22	48.00	545.22
AGW-1U-06	591.66	38.82	552.84
B2U-06	589.29	35.85	553.44
C3-06	585.78	37.45	548.33
D1U-06	593.25	44.94	548.31
D2U-06	590.38	41.87	548.51
E6-06	577.99	4.35	573.64
F2M-06	599.06	40.80	558.26
F4M-06	602.05	49.50	552.55
F6-06	587.84	14.18	573.66
G1M-06	616.75	42.94	573.81
G6-06	609.09	33.72	575.37
H2M-06	621.42	61.63	559.79
H5-06	617.17	22.61	594.56
I1-06	625.15	71.98	553.17
J2M-06	608.94	53.99	554.95
J5M-06	606.22	58.82	547.40
J6-06	608.93	51.89	557.04
PMW-1U-06	597.92	49.32	548.60
Flow Zone 7			
ABP-1-07	576.44	28.70	547.74
ABP-7-07	575.73	38.64	537.09
AFW-1M-07	571.41	Dry	-
AFW-2M-07	593.44	66.79	526.65
AGW-1M-07	592.91	39.05	553.86
B2M-07	589.52	50.86	538.66
C3-07	585.62	41.01	544.61
D1M-07	594.15	61.34	532.81
D2M-07	590.77	66.51	524.26
E6-07	577.91	23.34	554.57
F2M-07	598.91	80.85	518.06
F4M-07	601.91	71.10	530.81
F6-07	587.68	20.29	567.39
G1M-07	616.68	32.77	583.91
G6-07	609.06	25.50	583.56
H5-07	617.05	60.35	556.70
I1-07	625.14	71.68	553.46
J5M-07	606.07	51.77	554.30
J6-07	608.85	54.88	553.97
PMW-1M-07	598.50	67.34	531.16

**WATER LEVEL ELEVATION SUMMARY
SECOND QUARTER - 2014
HYDE PARK RRT PROGRAM**

<i>Well</i>	<i>Reference Elevation (ft AMSL)</i>	<i>Depth to Water (ft)</i>	<i>Water Level Elevation (ft AMSL)</i>
Flow Zone 9			
ABP-1-09	575.49	40.72	534.77
ABP-7-09	575.67	41.04	534.63
AFW-1M-09	571.12	43.81	527.31
AFW-2M-09	593.32	72.14	521.18
AGW-1M-09	592.75	38.77	553.98
B2M-09	589.34	59.83	529.51
C3-09	585.00	42.69	542.31
D1M-09	594.02	64.63	529.39
D2M-09	590.66	73.26	517.40
E6-09	577.82	24.05	553.77
F2M-09	598.71	81.48	517.23
F4M-09	601.79	84.68	517.11
F6-09	587.53	10.81	576.72
G1M-09	616.58	34.85	581.73
G6-09	608.98	24.21	584.77
H2M-09	621.32	68.89	552.43
H5-09	616.93	63.42	553.51
I1-09	624.91	62.10	562.81
J2M-09	608.77	54.51	554.26
J5M-09	605.82	51.48	554.34
J6-09	608.76	42.58	566.18
PMW-1M-09	598.34	80.96	517.38
Flow Zone 11			
AFW-1L-11	572.10	62.69	509.41
AFW-2L-11	593.43	96.43	497.00
AGW-1L-11	592.71	14.45	578.26
B2L-11	589.65	90.52	499.13
D1L-11	593.80	88.55	505.25
D2L-11	590.21	71.25	518.96
E6-11	577.72	37.92	539.80
F2L-11	598.94	40.35	558.59
F4L-11	602.22	18.75	583.47
F6-11	587.40	53.35	534.05
G1L-11	616.84	54.08	562.76
G6-11	608.89	43.09	565.80
H2L-11	620.73	59.40	561.33
H5-11	616.81	67.03	549.78
I1-11	624.75	75.11	549.64
J5L-11	607.20	57.98	549.22
J6-11	608.68	22.23	586.45
PMW-1L-11	598.84	88.12	510.72

**WATER LEVEL ELEVATION SUMMARY
SECOND QUARTER - 2014
HYDE PARK RRT PROGRAM**

<i>Well</i>	<i>Reference Elevation (ft AMSL)</i>	<i>Depth to Water (ft)</i>	<i>Water Level Elevation (ft AMSL)</i>
Purge Wells			
APW-1	564.98	-	510.00
APW-2	569.89	-	512.00
PW-1L	593.16	-	499.50
PW-1U	593.16	-	546.20
PW-2L	597.29	-	495.80
PW-2M	596.61	-	512.00
PW-2UR	594.75	-	559.30
PW-3L	599.05	-	504.90
PW-3M	597.79	-	518.20
PW-4M	606.93	-	524.30
PW-4U	604.85	-	571.90
PW-5UR	601.31	-	558.30
PW-6UMR	609.31	-	507.40
PW-6UR	608.47	-	557.40
PW-7U	592.47	-	541.60
PW-8M	592.67	-	522.10
PW-8U	589.27	-	550.00
PW-9U	587.47	-	539.40
PW-10U	593.54	-	565.00

Notes:

ft AMSL	Feet above mean sea level
Dry	No water present at the time of measurement
Surcharged	Well full of water to top of casing
-	Not available/not applicable
(1)	Well obstructed, could not get measurement tape past 29.90 feet

**LEACHATE TREATMENT SYSTEM DAILY EFFLUENT MONITORING DATA
SECOND QUARTER - 2014
HYDE PARK RRT PROGRAM**

<i>Date</i>	<i>Effluent</i>			<i>Comments</i>
	<i>Phenol (mg/L)</i>	<i>pH (su)</i>	<i>Flow (gal)</i>	
04/01/14	-	6.9	171,000	
04/02/14	0.011	7.1	95,000	
04/03/14	-	7.4	406,000	
04/04/14	-	-	0	
04/05/14	-	-	0	
04/06/14	-	-	0	
04/07/14	-	7.4	439,000	
04/08/14	-	7.2	128,000	
04/09/14	0.034	7.2	418,000	
04/10/14	-	7.1	90,000	
04/11/14	-	7	104,000	
04/12/14	-	-	0	
04/13/14	-	7.1	184,000	
04/14/14	-	7.1	274,000	
04/15/14	-	7.1	392,000	
04/16/14	0.0046 J	7	88,000	
04/17/14	-	7	285,000	
04/18/14	-	-	0	
04/19/14	-	-	0	
04/20/14	-	7.4	307,000	
04/21/14	-	7.4	112,000	
04/22/14	-	7.1	369,000	
04/23/14	0.014	7.2	93,000	
04/24/14	-	7.1	154,000	
04/25/14	-	7.2	92,000	
04/26/14	-	-	0	
04/27/14	-	-	0	
04/28/14	-	7	407,000	
04/29/14	-	7	116,000	
04/30/14	0.016	7.1	376,000	

**LEACHATE TREATMENT SYSTEM DAILY EFFLUENT MONITORING DATA
SECOND QUARTER - 2014
HYDE PARK RRT PROGRAM**

<i>Date</i>	<i>Effluent</i>			<i>Comments</i>
	<i>Phenol (mg/L)</i>	<i>pH (su)</i>	<i>Flow (gal)</i>	
05/01/14	-	7	105,000	
05/02/14	-	7.4	96,000	
05/03/14	-	-	0	
05/04/14	-	7.2	361,000	
05/05/14	-	7.2	373,000	
05/06/14	-	7.2	87,000	
05/07/14	0.0096 J	7.3	118,000	
05/08/14	-	7.2	122,000	
05/09/14	-	7.1	133,000	
05/10/14	-	-	0	
05/11/14	-	-	0	
05/12/14	-	7.2	129,000	
05/13/14	-	7	332,000	
05/14/14	0.0063 J	7.1	115,000	
05/15/14	-	7.2	116,000	
05/16/14	-	7.1	362,000	
05/17/14	-	-	0	
05/18/14	-	-	0	
05/19/14	-	7.1	360,000	
05/20/14	-	7.2	123,000	
05/21/14	0.010 U	7.1	132,000	
05/22/14	-	7.2	122,000	
05/23/14	-	7	64,000	
05/24/14	-	-	0	
05/25/14	-	-	0	
05/26/14	-	-	0	
05/27/14	-	7.2	332,000	
05/28/14	0.010 U	7.1	126,000	
05/29/14	-	7.1	132,000	
05/30/14	-	7.1	104,000	
05/31/14	-	-	0	

LEACHATE TREATMENT SYSTEM DAILY EFFLUENT MONITORING DATA
SECOND QUARTER - 2014
HYDE PARK RRT PROGRAM

<i>Date</i>	<i>Effluent</i>			<i>Comments</i>
	<i>Phenol (mg/L)</i>	<i>pH (su)</i>	<i>Flow (gal)</i>	
06/01/14	-	-	0	
06/02/14	-	7.1	128,000	
06/03/14	-	7	128,000	
06/04/14	0.010 U	7	122,000	
06/05/14	-	7.1	85,000	
06/06/14	-	-	0	
06/07/14	-	-	0	
06/08/14	-	-	0	
06/09/14	-	7.1	139,000	
06/10/14	-	7.1	138,000	
06/11/14	0.013	7.1	121,000	
06/12/14	-	7.1	112,000	
06/13/14	-	7.1	93,000	
06/14/14	-	-	0	
06/15/14	-	-	0	
06/16/14	-	7.2	95,000	
06/17/14	-	7.1	132,000	
06/18/14	0.0046 J	7.1	135,000	
06/19/14	-	7.1	123,000	
06/20/14	-	-	0	
06/21/14	-	-	0	
06/22/14	-	-	0	
06/23/14	-	7.2	129,000	
06/24/14	-	7.1	126,000	
06/25/14	0.0072 J	6.9	125,000	
06/26/14	-	-	0	
06/27/14	-	6.9	110,000	
06/28/14	-	-	0	
06/29/14	-	-	0	
06/30/14	-	7.4	108,000	

Notes:

mg/L Milligram per liter
 su Standard unit
 gal Gallons
 - Not available
 U Non-detect at associated value
 J Estimated concentration

TABLE 3

ANALYTICAL RESULTS SUMMARY
WEEKLY SAMPLING - LEACHATE TREATMENT SYSTEM
SECOND QUARTER - 2014
HYDE PARK RRT PROGRAM

Effluent

<i>Parameter</i>	<i>Units</i>	<i>04/02/14</i>	<i>04/09/14</i>	<i>04/16/14</i>	<i>04/23/14</i>	<i>04/30/14</i>	<i>05/07/14</i>	<i>05/14/14</i>	<i>05/21/14</i>
Volatiles									
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	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	1.0 UJ	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	1.0 UJ	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	1.0 UJ	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	1.0 UJ	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	1.0 UJ	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	1.0 UJ	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	1.0 UJ	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	1.0 UJ	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	1.0 UJ	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	1.0 UJ	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	1.0 UJ	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	1.0 UJ	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	1.0 UJ	1.0 U	1.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	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	1.0 UJ	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	1.0 UJ	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	1.0 UJ	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	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	1.0 UJ	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	1.0 UJ	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.24 J	0.27 J	1.0 U	1.0 U	0.40 J	0.31 J	0.26 J	0.29 J
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	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	1.0 UJ	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Methylene chloride	µg/L	0.59 J	0.96 J	1.0 U	1.0 U	1.0 U	1.0 UJ	0.76 J	1.0 U
m-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	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	1.0 UJ	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	1.0 UJ	1.0 U	1.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	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	1.0 UJ	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	1.0 UJ	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	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	1.0 UJ	1.0 U	1.0 U
Vinyl acetate	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Vinyl chloride	µg/L	59	65	79	110	100	110	100	130
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	15 U	15 U	15 U	15 U

TABLE 3

ANALYTICAL RESULTS SUMMARY
WEEKLY SAMPLING - LEACHATE TREATMENT SYSTEM
SECOND QUARTER - 2014
HYDE PARK RRT PROGRAM

Effluent

<i>Parameter</i>	<i>Units</i>	<i>05/28/14</i>	<i>06/04/14</i>	<i>06/11/14</i>	<i>06/18/14</i>	<i>06/25/14</i>
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	0.27 J	0.40 J	0.42 J	0.40 J	0.47 J
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
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m-Monochlorobenzotrifluoride	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
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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	110	120	150	130	140
Xylenes (total)	µg/L	15 U	15 U	15 U	15 U	15 U

Notes:

- Not available/not applicable
- J Estimated concentration
- U Non-detect at associated value
- µg/L Micrograms per liter

ANALYTICAL RESULTS SUMMARY
QUARTERLY SAMPLING - LEACHATE TREATMENT SYSTEM
SECOND QUARTER - 2014
HYDE PARK RRT PROGRAM

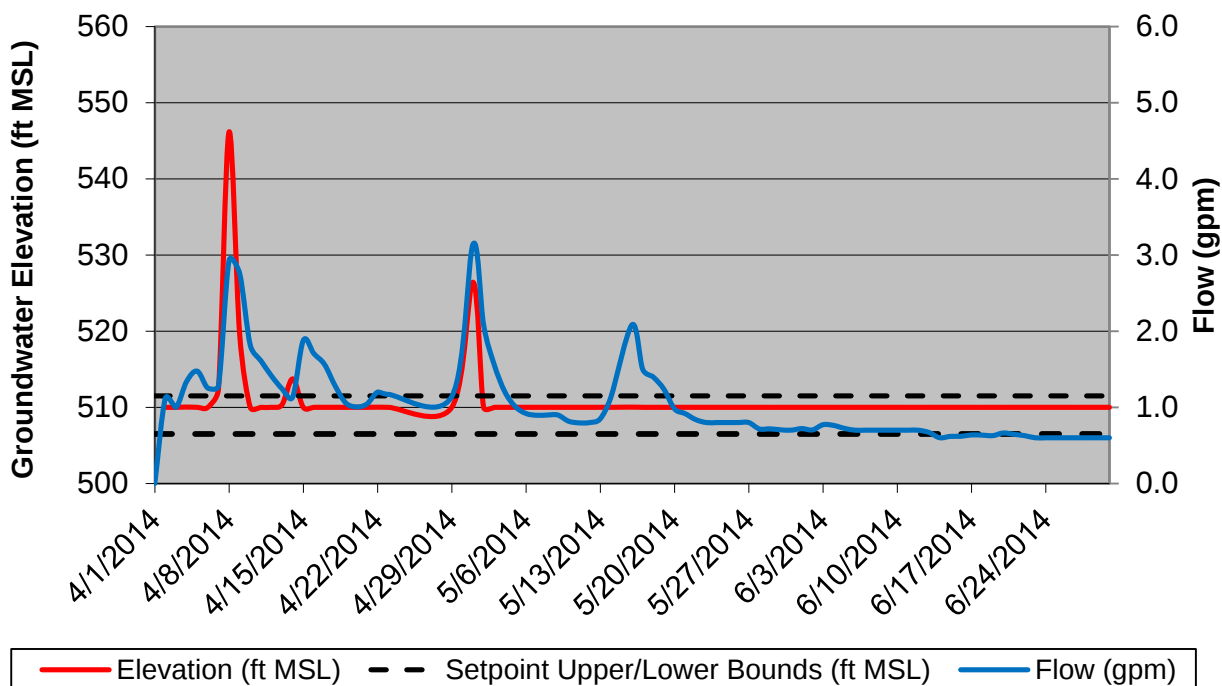
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<i>Sample ID:</i>		<i>HP62414 EFF</i>	<i>HP62414 EFF A-D</i>
<i>Sample Date:</i>		<i>6/24/14</i>	<i>6/24/14</i>
<i>Parameters</i>	<i>Units</i>		
<i>Volatile Organic Compounds</i>			
Vinyl chloride	µg/L	-	120
<i>General Chemistry</i>			
Phosphorus	mg/L	0.23	-

Notes:

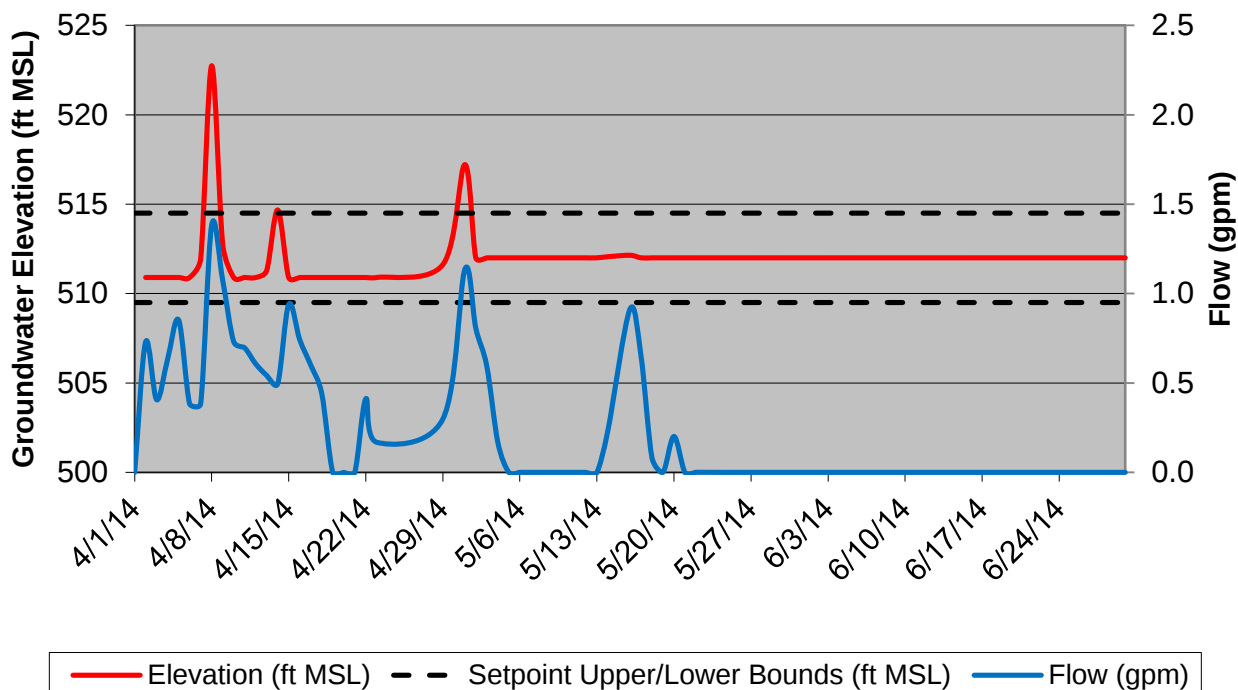
mg/L Milligrams per liter
 µg/L Micrograms per liter
 - Not analyzed

Attachment A

Well APW-1

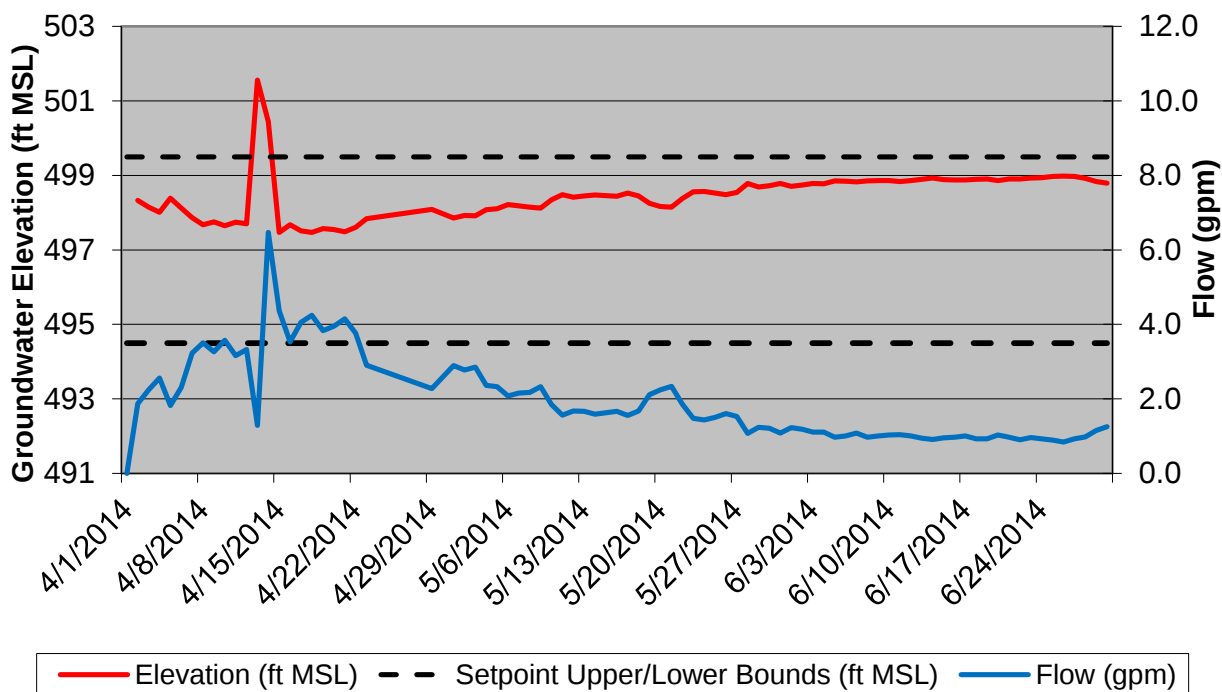


Well APW-2

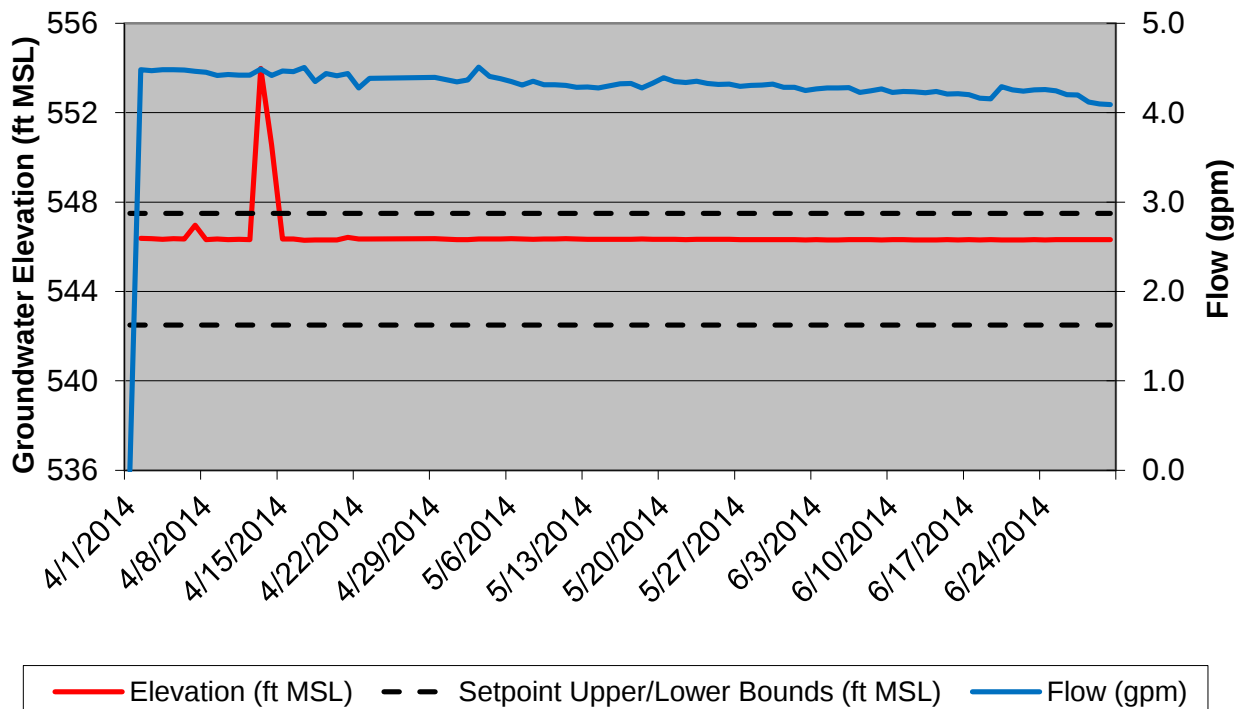


ATTACHMENT 1
SECOND QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-1L

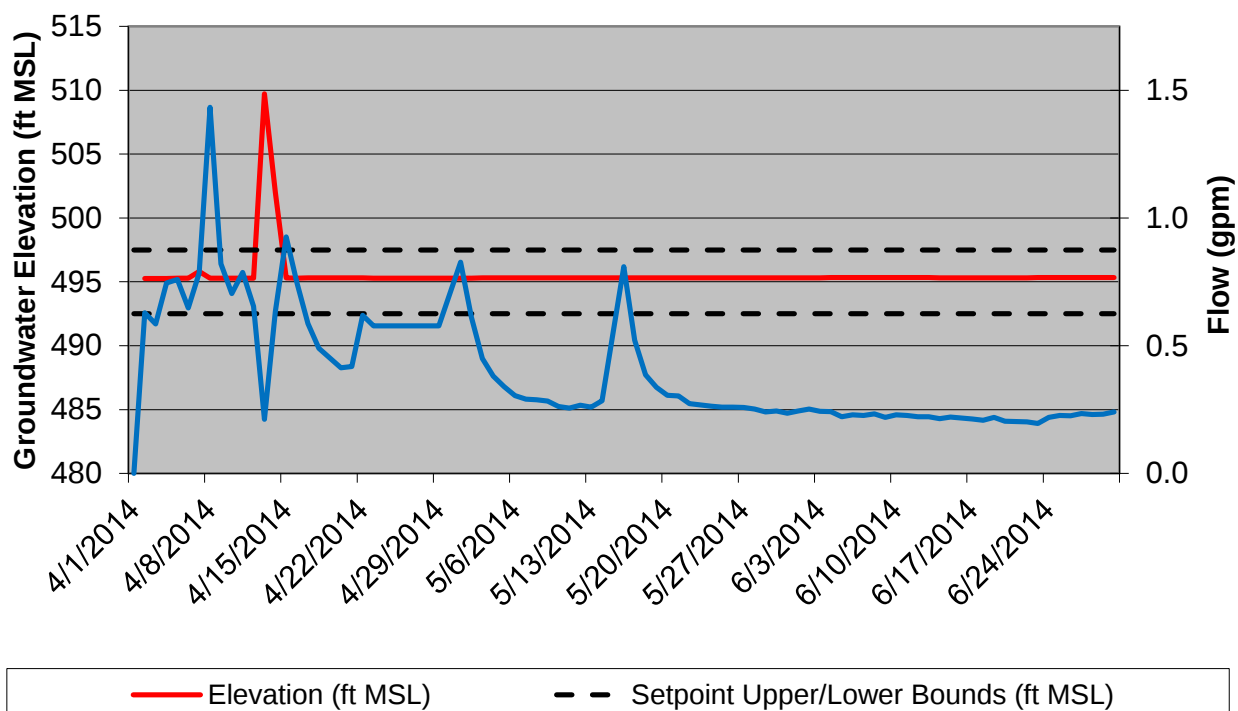


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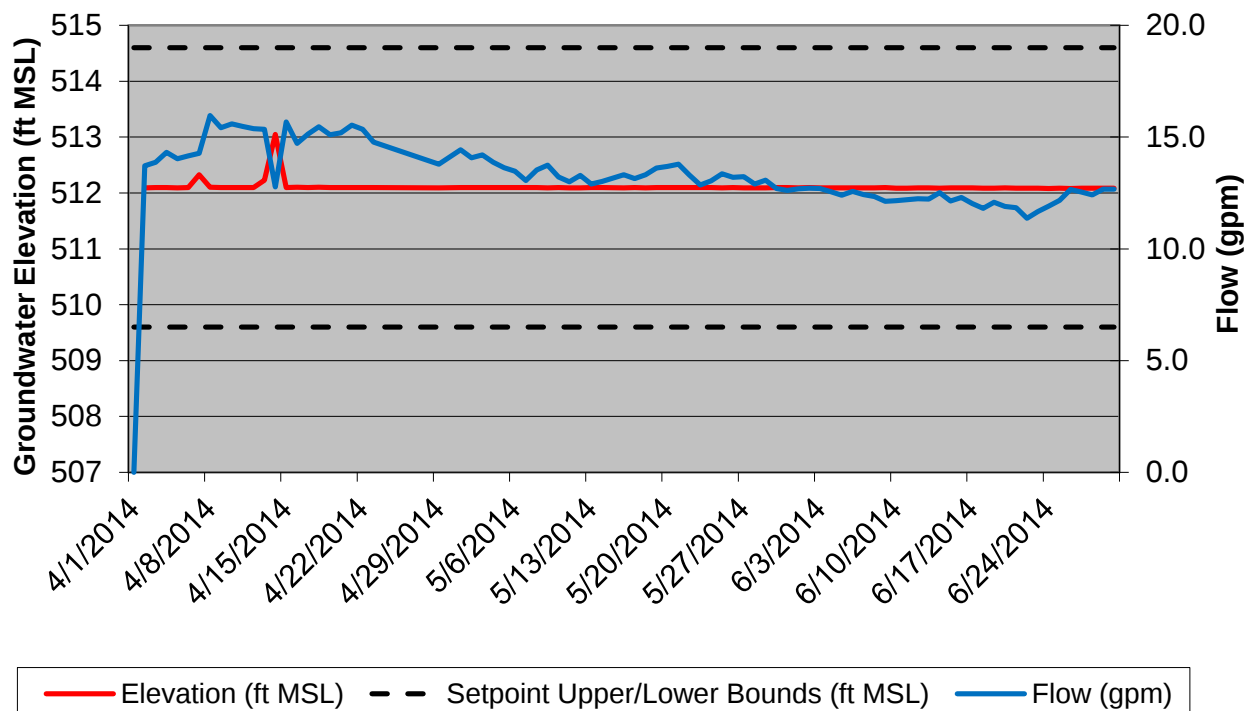


ATTACHMENT 1
SECOND QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

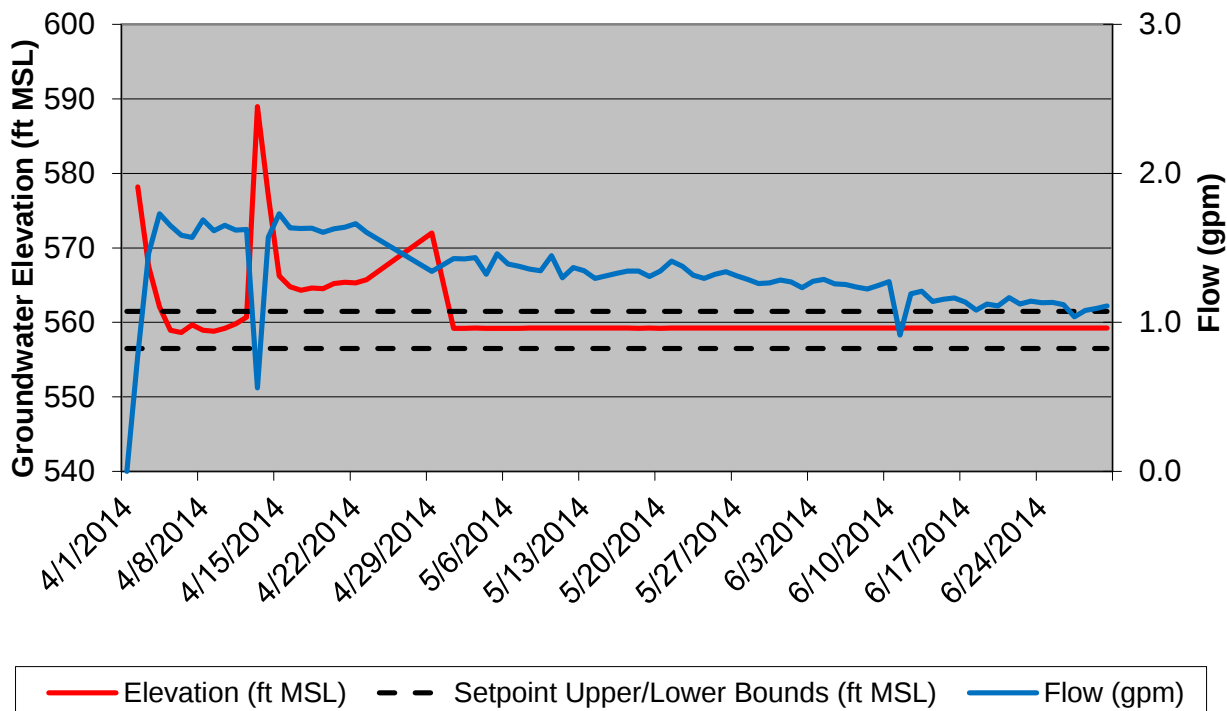
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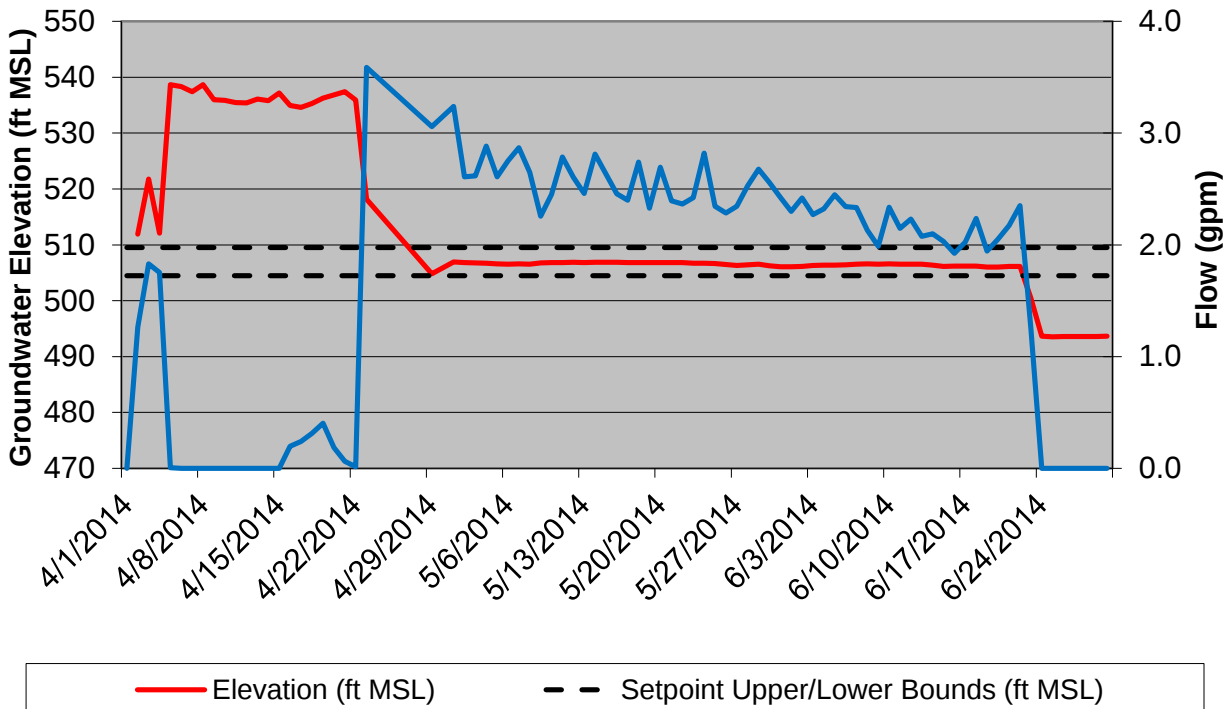
Well PW-2M



Well PW-2UR

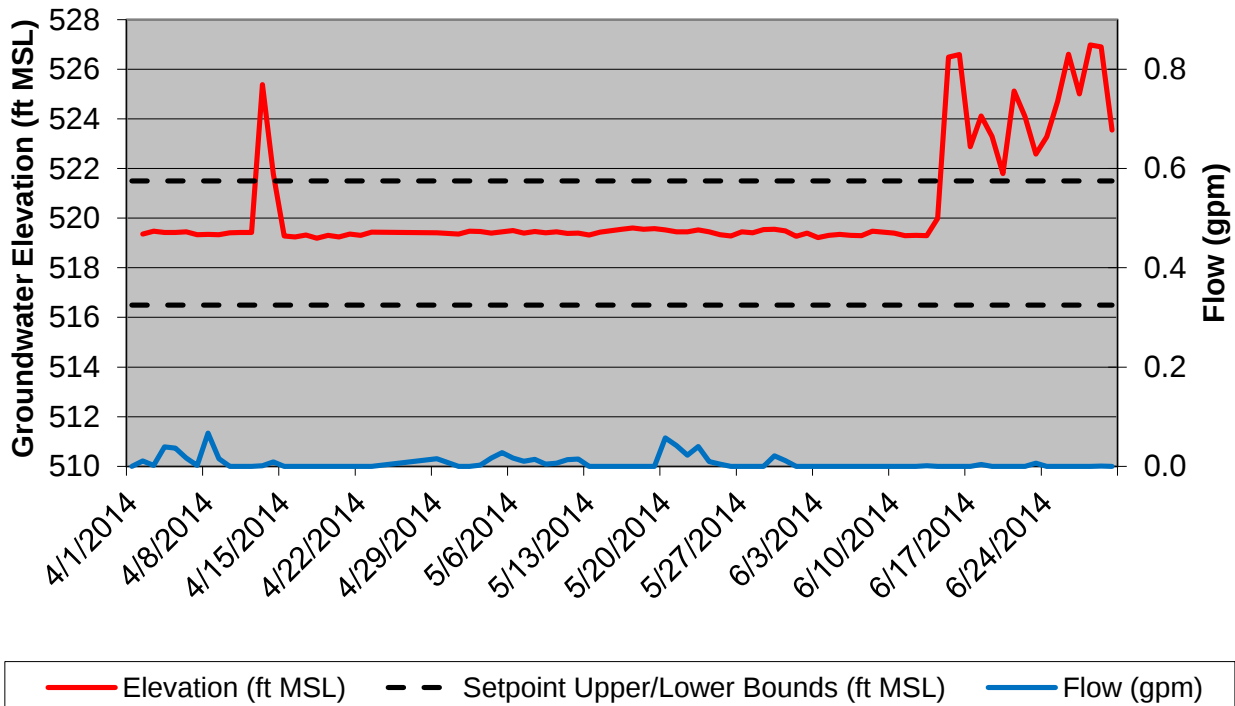


Well PW-3L

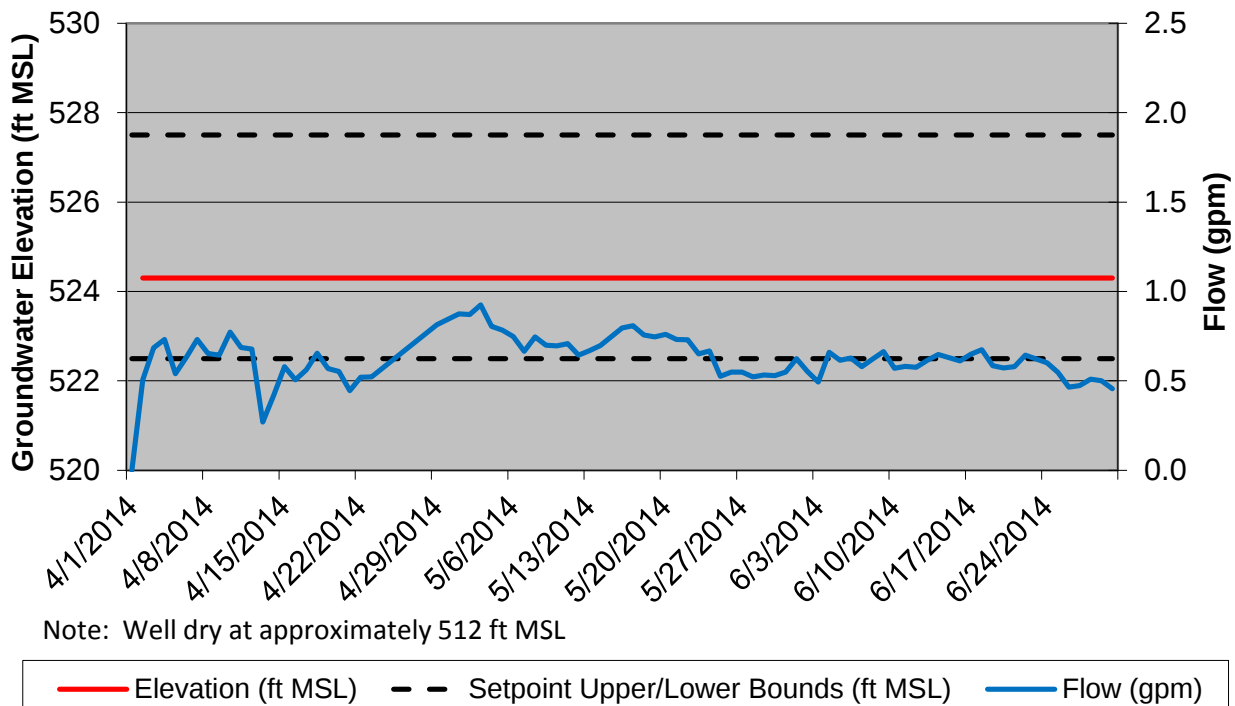


ATTACHMENT 1
SECOND QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

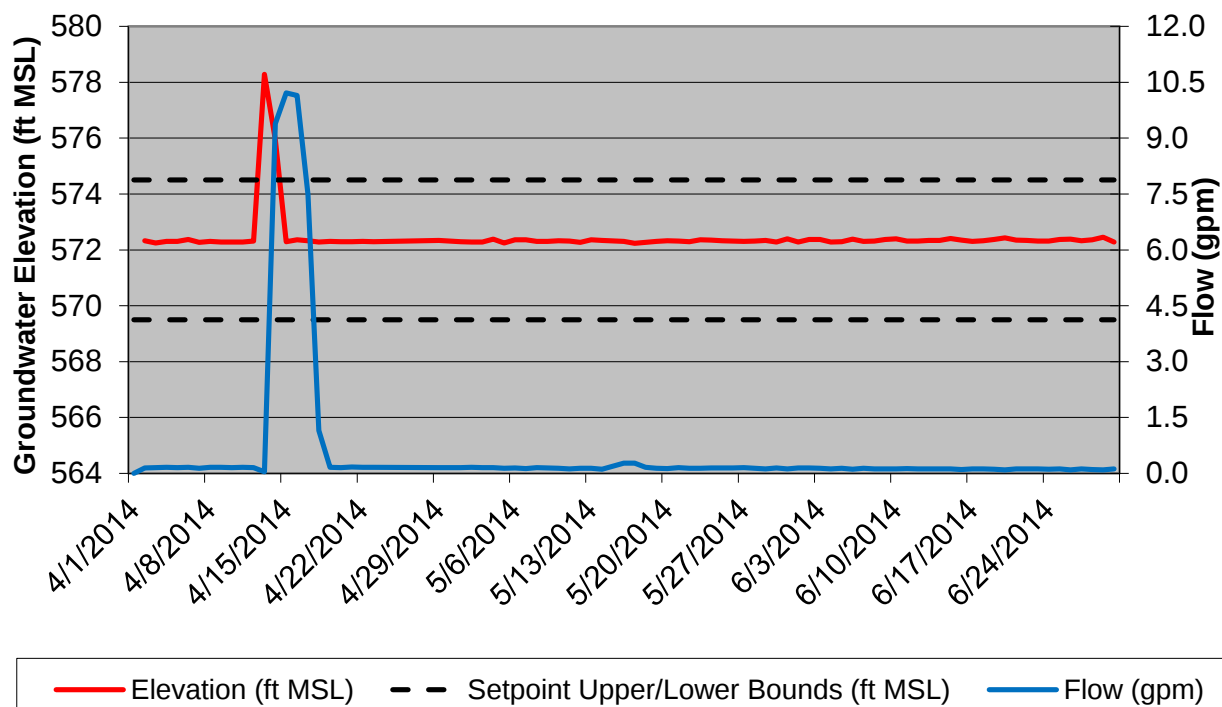
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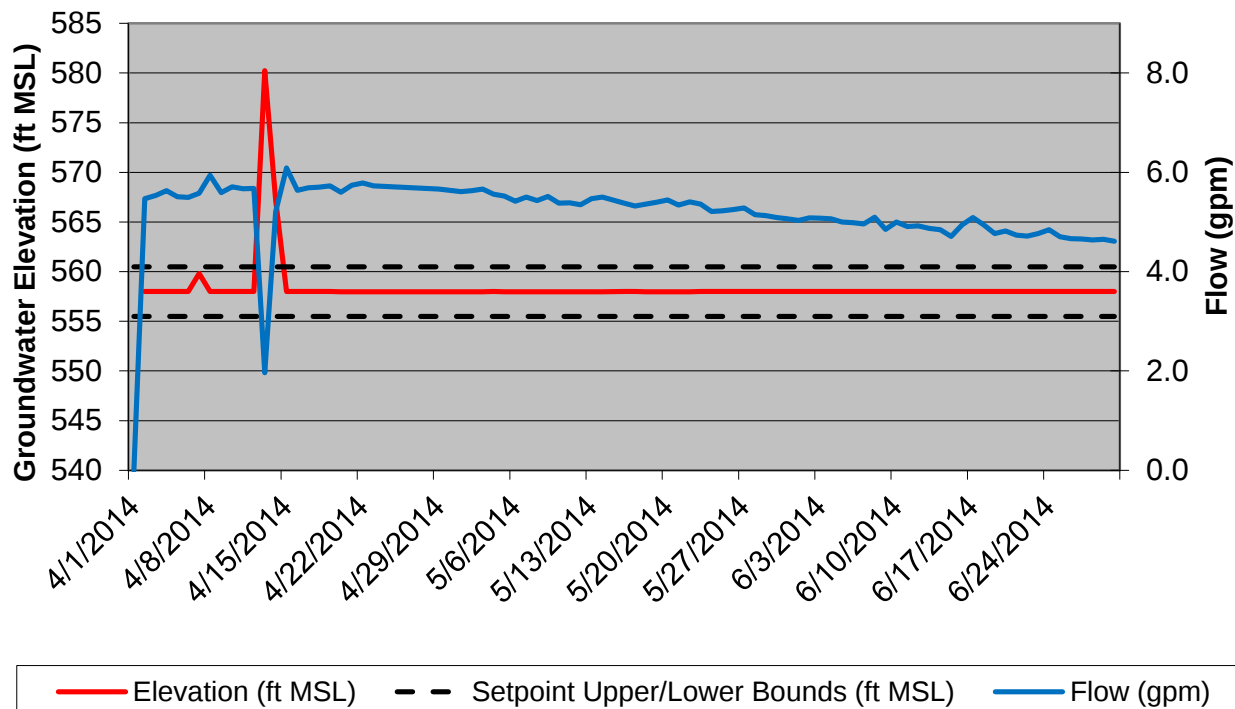
Well PW-4M



Well PW-4U

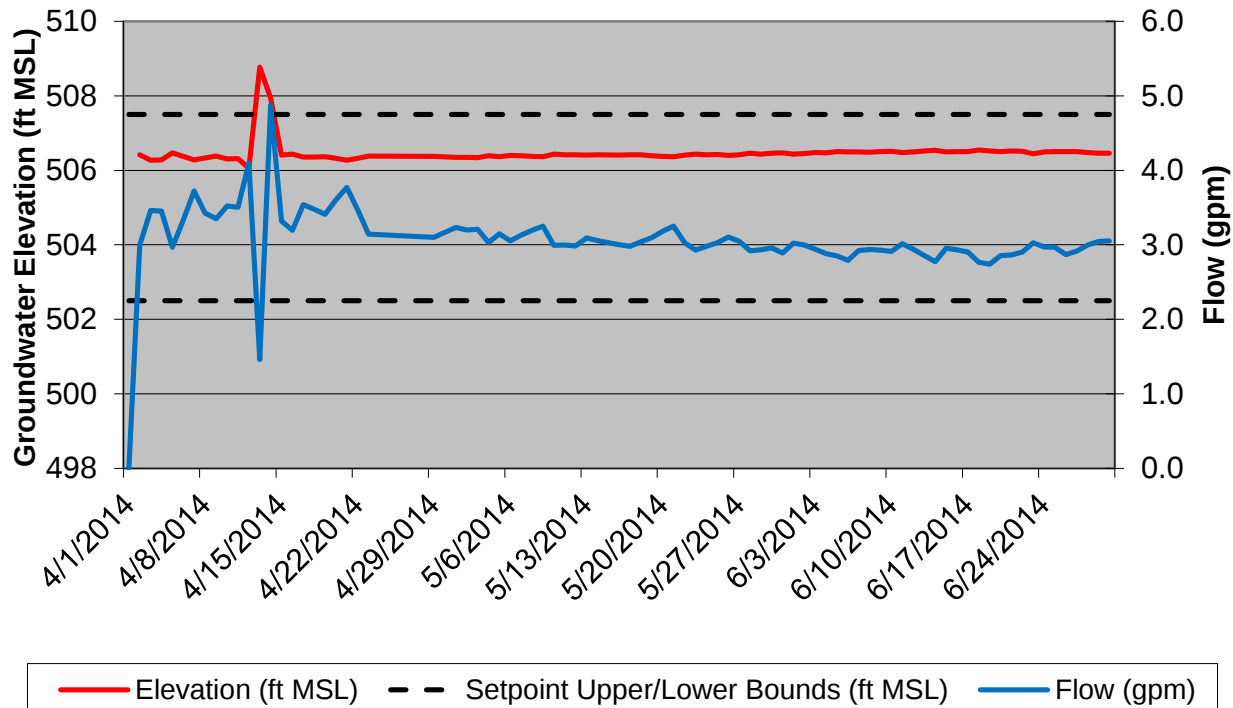


Well PW-5UR

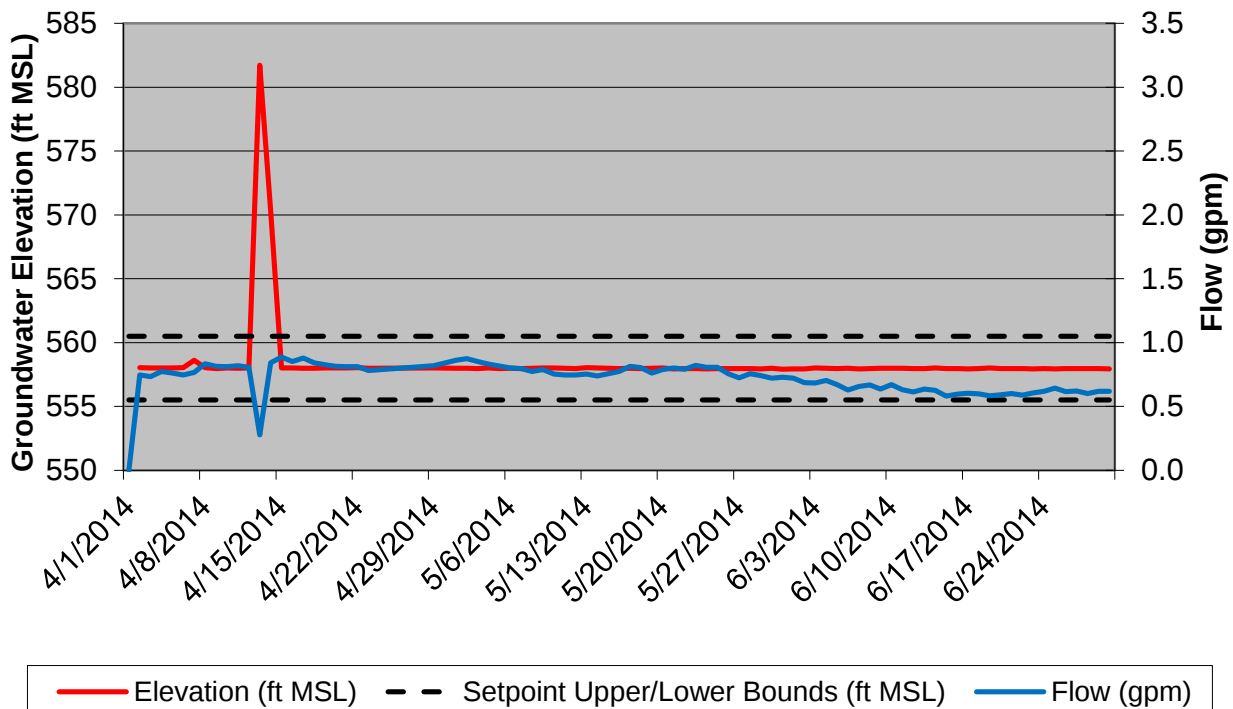


ATTACHMENT 1
SECOND QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-6MR

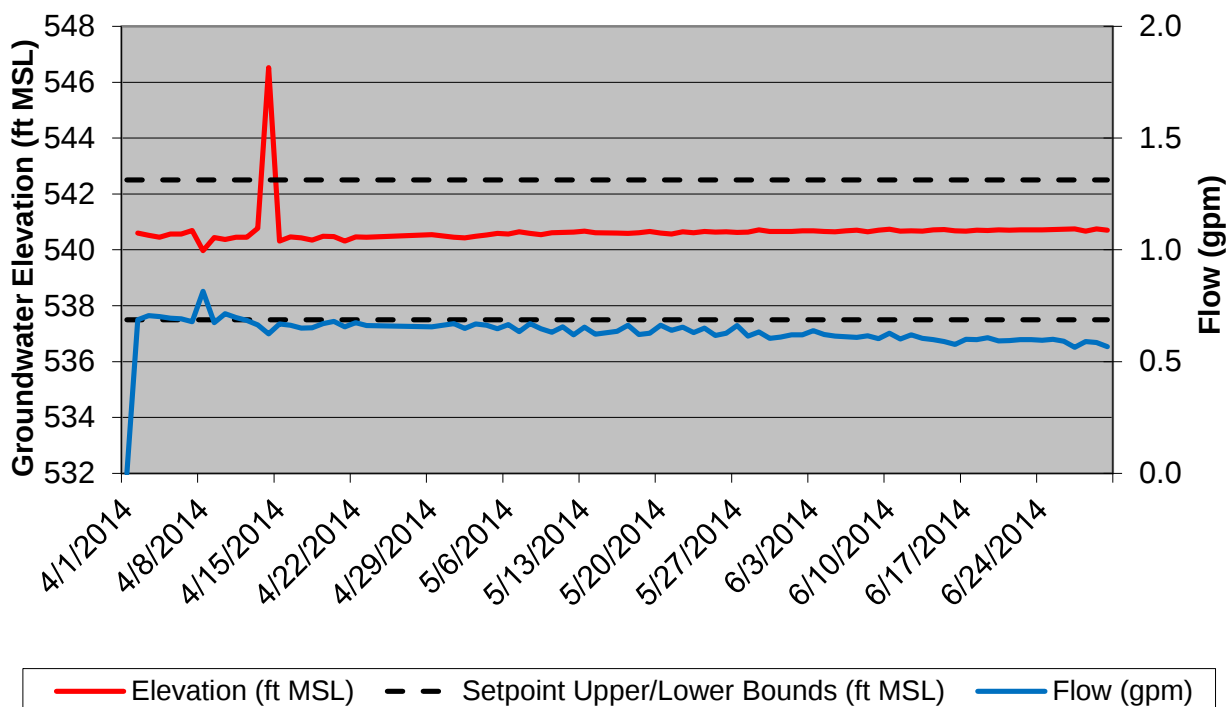


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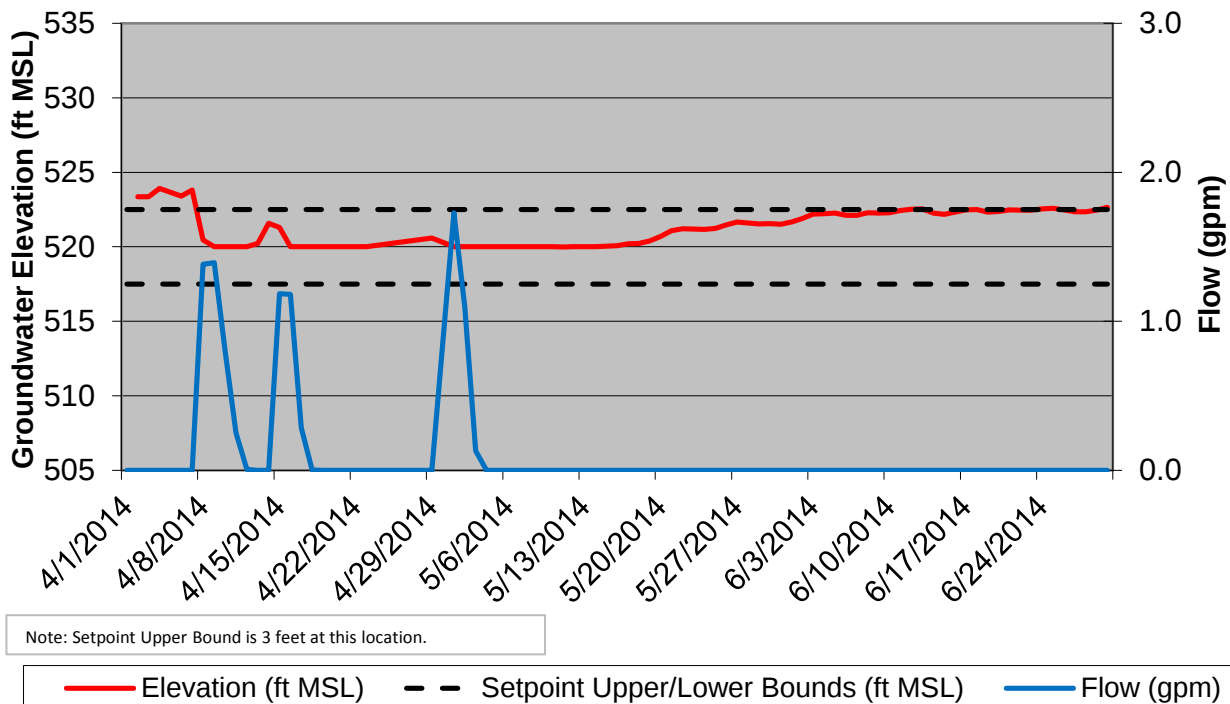


ATTACHMENT 1
SECOND QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-7U

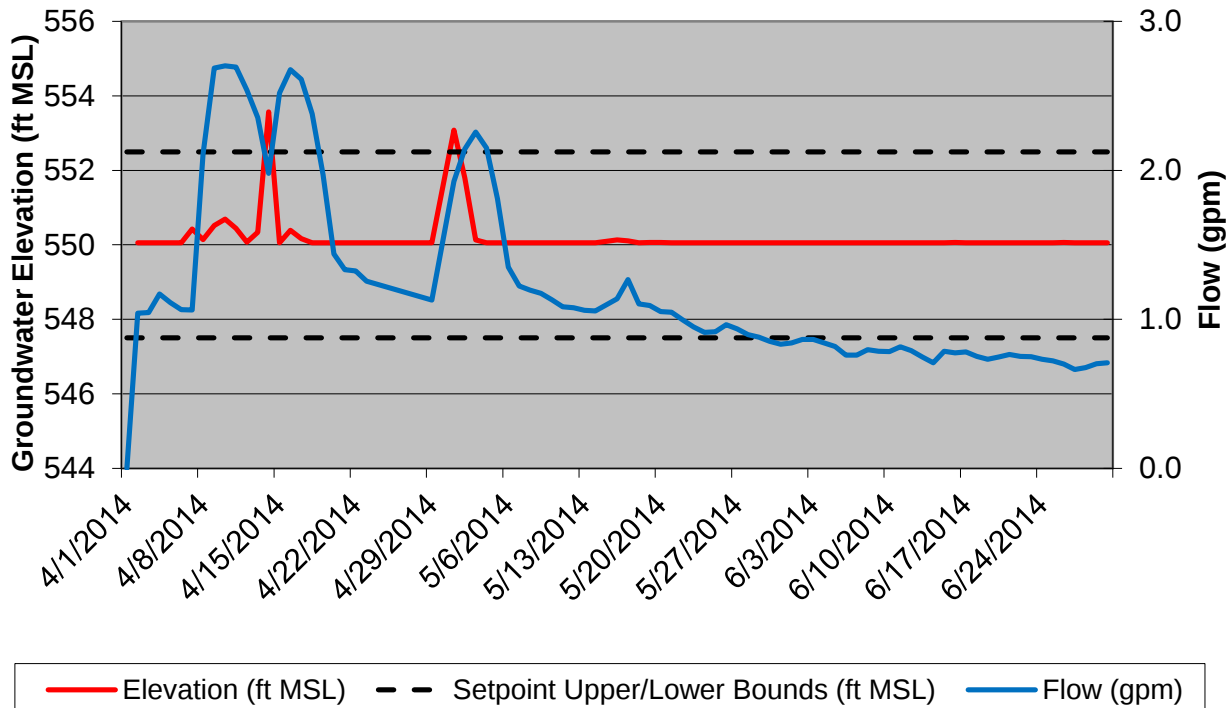


Well PW-8M



ATTACHMENT 1
SECOND QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-8U



Well PW-9U

