

October 10, 2023

Ms. Greta White
Project Manager, Remedial Bureau C
Division of Environmental Remediation
New York State Department of Environmental Conservation (NYSDEC)
625 Broadway
Albany, NY 12233-7014

Re: NYSDEC Site No. 360174; BCP C361074
September - October 2023 Monthly Progress Report
Westchester County Airport
240 Airport Road
Harrison, New York 10604

Dear Ms. White:

Actions Taken/Accomplishments (September to October 2023)

A schedule of completed and projected activities is included as Appendix A.

1. First Environment, Inc. (First Environment) initiated the pilot test to reduce per- and polyfluoroalkyl substances (PFAS) concentrations discharging to Outfall 7 (OF-7). The purpose of the system is to evaluate the treatment system performance as well as the effectiveness of the treatment system in reducing PFAS concentrations downgradient of the treatment system.
2. The week of July 3, 2023, First Environment installed a continuous-duty submersible pump at manhole 7006. The pilot system was installed on July 10 through July 13, 2023. The water collected from manhole 7006 is pumped through three exterior bag filters to remove sediment before entering an equalization tank used to maintain a treatment flow rate of between 8 and 12 gallons per minute (gpm). Dedicated pumps provide up to a 6-gpm flow rate from the equalization tank to separate treatment lines: one using granular activated carbon (GAC) and the other ion exchange resin (IX resin) as the treatment media. The treated water is immediately discharged downstream of the water intake leading to OF-7.
3. System samples are collected from the water influent to the system and after the first IX resin and GAC vessels and after the second IX resin and GAC vessels and are analyzed for PFAS and background chemistry. The treatment system initial results show IX has been effective in reducing PFAS below 10 parts per trillion (ppt) Perfluorooctane sulfonic acid (PFOS) and Perfluorooctanoic acid (PFOA) New York State Maximum

Contaminant Level (MCL) Drinking Water Standard. First Environment identified premature breakthrough of PFAS through the activated carbon.

4. On September 5, 2023 the GAC treatment train was shut down and water treatment has since been conducted exclusively through the IX resin treatment train at flow rates ranging from 1.5 to 5 gallons per minute (gpm).
5. To evaluate the impact treated water has at downgradient locations, six surface water samples were collected and analyzed for PFAS using EPA Method 1633 over a two-day period, September 7 and 8, immediately after leaving the IX treatment. The sample locations include pilot system sample port 204 immediately after it passes through the IX, hose effluent that discharges back into the sewer, and OF-7. Off-site downgradient sample locations include OF-7A located across Airport road and further downgradient locations NKS 2 and E-10. It is estimated 9,000 and 13,000 gallons of treated water were discharged to the tributary for the September 7 and 8 sampling events. . It should be noted only treated water flowed through the storm sewer for several days before samples were collected. The IX resin sample results demonstrate surface water concentrations for PFOS and PFOA were reduced to levels ranging from non-detect (ND) to 2.6 part per trillion (ppt) below the New York State MCL. First Environment did not observe significant reduction in PFOS or PFOA in surface water at the furthest off-site locations most likely due to only a small volume of treated water being discharged to the storm sewer that impacts the downgradient tributary. The laboratory PFAS sample results are shown in Figure 1 as well as included in Table 1.
6. First Environment continues to evaluate and, where necessary, optimize pilot system performance and maintain operation. To date, approximately 133,000 gallons of stormwater system water have been treated.
7. First Environment continues to work to optimize pilot system operation which includes changing bag filters, cartridge filters, and cleaning the equalization tank. Observed bioaccumulation in the bag filters, expansion tank, and cartridge filters is clogging the filters at a faster rate than anticipated. The expansion tank is cleaned every 7 to 10 days and filter changeouts are completed approximately every 36 to 48 hours to maintain system operation.
8. During the week of October 2, 2023, First Environment and ECT2 installed a sand filtration system. The purpose of the sand filter is to prolong the operation of the treatment system and hopefully achieve less system maintenance. The sand filter will be periodically back flushed to remove or reduce sediment and bioaccumulation prior to filtration by the cartridge filters. The goal is to reduce filter replacement frequency and maintain system operation over longer periods.

9. On September 13, 2023, NYSDEC approved soil transportation and disposal consistent with DER-10 Table 5.4(e) 4 and Table 5.4(e) 10. During a five-day period from September 20 to 26, 2023, approximately 1,700 tons of stockpiled soil derived from water line trenching operations was transported to Grillo Services, LLC Milford Soil Facility located 1183 Oronoque Road, Milford Connecticut 06461. A copy of the soil manifests will be provided in next month's progress report.
10. Continue the update of Electronic Data Deliverables (EDDs) sample locations.
11. NYSDEC provided additional comments to Remedial Investigation Workplan.
12. On September 28, 2023, a site meeting was held with Don LeBlanc, PE of DL VIEWS to tour the leaking manholes in the Building 10 area. A subsequent meeting was held with Airport operations and Department of Public works and Transportation on October 6 to explore next steps. The outcome of the meeting resulted in a request to provide pricing for injection sealing at leak locations where the pipeline enters the concrete vaults and at the surface manhole to vault structure.

October to November Planned Activities

1. Waterline construction is scheduled to resume the week of October 9th for dewatering, excavation, and constructing the waterline vault at the intersection of New King Street and Airport Road. First Environment will provide air monitoring for total organic vapors and dust during the installation of the vault as required under the Brownfield Clean up Program's (BCP) Community Air Monitoring Plan (CAMP). The data collection tables, hydrographs, and air monitoring results are included in Appendix B. As of September 30, waterline installation has been completed from B0+00 to B40+14 as well as C10+61 to C01+00 and is illustrated in Figure 2.
2. During the week of October 9th, Triumph is scheduled to treat and discharge the remaining 18,500 gallons of water collected during construction and stored in frac tanks to the designated sanitary sewer at an average flow rate of 17 gpm as required by the remediation permit.
3. Work with the NYSDEC to address and respond to RIWP comments.
4. Upon NYSDEC approval, First Environment will initiate the RIWP and provide a schedule for completion of RIWP activities.
5. Continue to submit monthly progress reports in an ADA format to Westchester County.
6. First Environment will continue to collect influent and effluent samples from the water line treatment system associated with dewatering activities, evaluate water quality data, and record water flow leaving the treatment system per DEF permit requirements on an as needed basis. Triumph, the

waterline installation contractor, is responsible for the treatment system operation and maintenance.

7. First Environment will continue to provide Continuous Air Monitoring during waterline intrusive construction activities as described in First Environment's CAMP submittal to the NYSDEC/ NYSDOH.
8. The pilot test treatment system has been extended to the end of November to evaluate the effectiveness of the sand filter in reducing system maintenance. In addition, First Environment will further evaluate the effect treated water has in reducing PFOS and PFOA concentrations at the downgradient locations.
9. Revisions of the EDDs will continue for submittal to the NYSDEC.

If you have any questions, please do not hesitate to call.

Regards,

FIRST ENVIRONMENT, INC.



Scott R. Green, P.G.
Director, Insurance Consulting
Service Group



David Luer
Project Manager/Field Team Leader

Att.

c: B. Tod Delaney, Ph.D., P.E., BCEE - First Environment, Inc.
Arthur Clarke, J.D. - First Environment, Inc.
Hugh Greechan, Jr. P.E. - Westchester County Public Works & Transportation
John Nonna - Westchester County Attorney
April Gasparri – Westchester Airport Executive Director of Aviation
Francisco Tejada -Westchester Airport Manager
John Inserra - Westchester County Airport Environmental
Loren Zeitler - Westchester County
John Benvegna - WSP
K. Thompson - NYSDEC
M. Murphy - NYSDEC
D. Bendell/D. Pollock - NYSDEC
M. Doroski – NYSDOH
K. Kulow – NYSDOH

TABLES

Table 1
OF-7 Pilot Test Downgradient Surface Water PFAS Comparison

Sample ID	Treated 204# 23I0471-01 9/7/2023 2:48:00 PM				Treated 204# 23I0466-01 9/8/2023 10:30:00 AM				System Effluent (Hose) 23I0471-02 9/7/2023 2:53:00 PM		System Effluent (Hose) 23I0466-02 9/8/2023 10:35:00 AM		OF-7 23I0471-03 9/7/2023 3:54:00 PM		OF-7 23I0466-03 9/8/2023 11:05:00 AM		OF-7A 23I0471-04 9/7/2023 4:21:00 PM		OF-7A 23I0466-04 9/8/2023 11:30:00 AM		NKS 2 SW 23I0471-05 9/7/2023 4:10:00 PM		NKS 2 SW 23I0466-05 9/8/2023 11:20:00 AM		E-10 23I0471-06 9/7/2023 4:16:00 PM		E-10 23I0466-06 9/8/2023 11:25:00 AM				
York ID	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q			
Sampling Date																															
Client Matrix																															
Compound	CAS Number	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q		
PFAS, EPA 1633 Target List		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L	
Dilution Factor		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
11CL-PF30UDs	763051-92-9	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	757124-72-4	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	27619-97-2	U		J		U		U		U		U		U		U		U		U		U		U		U		U		U	
3-Perfluoroheptyl propanoic acid (FHpPA)	812-70-4	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
3-Perfluoropentyl propanoic acid (FPePA)	914637-49-3	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
3-Perfluoropropyl propanoic acid (FPpPA)	356-02-5	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
9CL-PF3ONS	756426-58-1	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
ADONA	919005-14-4	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
HFOPO-DA (Gen-X)	13252-13-6	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
N-EtFOSA	4151-50-2	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
N-EtFOSSA	2991-50-6	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
N-EtFOSE	1691-99-2	J		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
N-MeFOSA	31506-32-8	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
N-MeFOSSA	2355-31-9	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
N-MeFOSE	24448-09-7	J		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Perfluoro-1-decanesulfonic acid (PFDS)	335-77-3	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Perfluoro-1-heptanesulfonic acid (PFHps)	375-92-8	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Perfluoro-1-nonanesulfonic acid (PFNS)	68259-12-1	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Perfluoro-1-octanesulfonamide (FOSA)	754-91-6	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Perfluoro-1-pentanesulfonate (PFPeS)	2706-91-4	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Perfluoro-3,6-dioxahexanoic acid (NFDDHA)	151772-58-6	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Perfluoro-4-oxapentanoic acid (PFMPA)	377-73-1	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Perfluoro-5-oxahexanoic acid (PFMBA)	863090-89-5	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Perfluorobutanesulfonic acid (PFBS)	375-73-5	J		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Perfluorodecanoic acid (PFDA)	335-76-2	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Perfluorododecanesulfonic acid (PFDoS)	79780-39-5	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Perfluorododecanoic acid (PFDoA)	307-55-1	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Perfluoroheptanoic acid (PFHpA)	375-85-9	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Perfluorohexanoic acid (PFHxA)	307-24-4	U		J		U		U		U		U		U		U		U		U		U		U		U		U		U	
Perfluoro-n-butanoic acid (PFBA)	375-22-4	J		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Perfluorononanoic acid (PFNA)	375-95-1	U		0.6	J	U		U		U		U		U		U		U		U		U		U		U		U		U	
Perfluooctanesulfonic acid (PFOS)	1763-23-1	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Perfluoroctanoic acid (PFOA)	335-67-1	U		2.6	J	1.0	J	0.5	J	1.0	J	2.8	J	1.0	J	9.7	J	10.0	J	118.0	B	100.0	B	118.0	B	128.0	B	136.0	B		
Perfluoropentane sulfonic acid (PFPeA)	2706-90-3	0.4	J	1.0	J	0.5	J	1.0	J	2.8	J	1.0	J	9.7	J	10.0	J	11.0	J	118.0	B	100.0	B	118.0	B	136.0	B	142.0	B		
Perfluorotetradecanoic acid (PFTA)	376-06-7	0.6	J	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U		
Perfluorotridecanoic acid (PFTFDA)	72629-94-8	U		0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	
Perfluoroundecanoic acid (PFUnA)	2058-94-8	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Total PFAS		18.5		10.1		1.2		9.8		213.8		209.0		2371.1		2065.5		1778.1		1491.4		1617.0		1528.6							

NOTES:

Any Regulatory Exceedances are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

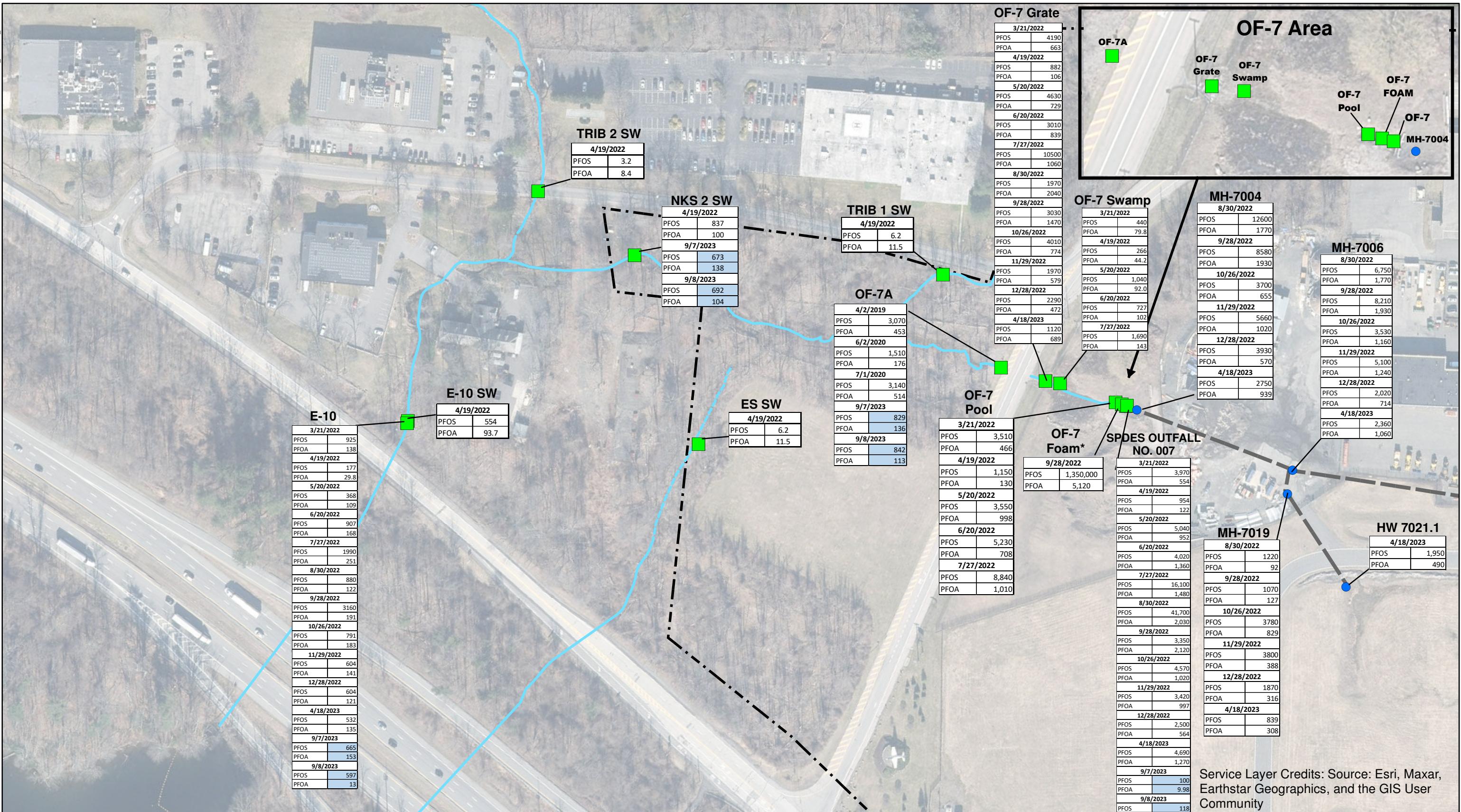
E=result is estimated and cannot be accurately reported due to levels encountered or interferences

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

NT=this indicates the analyte was not a target for this sample

~=this indicates that no regulatory limit has been established for this analyte

FIGURES

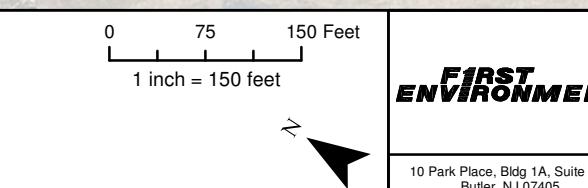
**Legend**

- Manhole (H) Surface Water Sample Location
- Airport Property Boundary
- Storm Sewer
- Stream
- Ephemeral Stream
- Surface Water Sample Location
- Post Surface Water Treatment

Notes

- ES Ephemeral Stream
- DS Down Stream
- NKS New King Street
- TRIB Tributary
- OF Outfall

*Minor foam accumulated next to OF-7 weir
**Table concentrations are in part per trillion (ppt)



Revised	Drawn	Checked	Approved	Date
CL	DL	SG		10/6/2023

NYSDEC SITE NO. 360174
WESTCHESTER COUNTY AIRPORT
White Plains, Westchester County, New York
FIGURE 1
OF-7 PFOS/PFOA SURFACE WATER SAMPLE RESULTS



Legend

- Station
- Water Line Completed
- Former AFFF Burn Pit
- Subsurface Catch Basin
- Open Catch Area
- Property Boundary

0 62.5 125 250
Feet
1 inch = 232 feet

**FIRST
ENVIRONMENT**

NYSDEC SITE NO. C360174
WESTCHESTER COUNTY AIRPORT
White Plains, Westchester County, New York
FIGURE 2
**WATER LINE
CONSTRUCTION PROGRESS**

10 Park Place, Bldg 1A, Suite 504 Butler, NJ 07405	Revised	Drawn	Checked	Approved	Date
	LS	DL	SG		9/6/2023

APPENDIX A

APPENDIX A
Work Activity Schedule
2022-2024

Milestone	Estimated Completion Date	Estimated Completion Percentage
OF-7 Storm Sewer Installation	May 2022	100%
OF-7 Performance Monitoring	3 rd Quarter 2023	95%
OF-7 Pilot Test Treatment System	October 2023	80%
New King Street Workplan – Phase 1	January 2022	100%
New King Street Workplan – Phase 2	April 2022	100%
Waterline Workplan	April 2022	100%
Waterline Trench & Installation	October 2023	95%
OF-4 IRM Pilot Test ¹	Fall 2023	55%
Remedial Investigation Workplan Submittal	July 2022	100%
GW Pilot Test Scope of Work ²	Summer 2022	100%
GW Pilot Test	Winter 2022	100%
GW Pilot Test Performance Monitoring	Winter 2023	50%
Execution of RI workplan ³	Fall 2023	0%
Remedial Investigation Report	Spring 2024	0%
Remedial Action Alternatives Evaluation	2023-2024	0%
Remedial Action Selection Report	TBD	0%
Remedial Action Workplan	TBD	0%
Certificate of Completion	TBD	0%

Estimated task durations and completions are tentative and are subject to modification based on site work, progress, weather delays, and other considerations such as contractor availability or Airport access.

¹ Pilot test CETCO Fluorsorb at OF-7 and/or treatment system after pilot test conducted at OF-7.

² Scope-of-work submitted to the County approved September 2022.

³ Start date dependent upon workplan approval.

APPENDIX B

APPENDIX B
September 2023 CAMP Air Monitoring Data
Westchester County Airport

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Westchester County Airport

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September 2023 CAMP Air Monitoring Data
Westchester County Airport

Sep 22 2023 1:21:00 PM	0.011	0.01
Sep 22 2023 1:22:00 PM	0.005	0.01
Sep 22 2023 1:23:00 PM	0.006	0.021
Sep 22 2023 1:24:00 PM	0.005	0.01
Sep 22 2023 1:25:00 PM	0.004	0.01
Sep 22 2023 1:26:00 PM	0.003	0.032
Sep 22 2023 1:27:00 PM	0.004	0.016
Sep 22 2023 1:28:00 PM	0.004	0.011
Sep 22 2023 1:29:00 PM	0.005	0.01
Sep 22 2023 1:30:00 PM	0.072	0.23
Sep 22 2023 1:31:00 PM	0.011	0.012
Sep 22 2023 1:32:00 PM	0.003	0.024
Sep 22 2023 1:33:00 PM	0.003	0.025
Sep 22 2023 1:34:00 PM	0.004	0.01
Sep 22 2023 1:35:00 PM	0.006	0.011
Sep 22 2023 1:36:00 PM	0.015	0.013
Sep 22 2023 1:37:00 PM	0.029	0.011
Sep 22 2023 1:38:00 PM	0.006	0.019
Sep 22 2023 1:39:00 PM	0.008	0.013
Sep 22 2023 1:40:00 PM	0.012	0.012
Sep 22 2023 1:41:00 PM	0.003	0.017
Sep 22 2023 1:42:00 PM	0.016	0.106
Sep 22 2023 1:43:00 PM	0.006	0.017
Sep 22 2023 1:44:00 PM	0.003	0.011
Sep 22 2023 1:45:00 PM	0.003	0.012

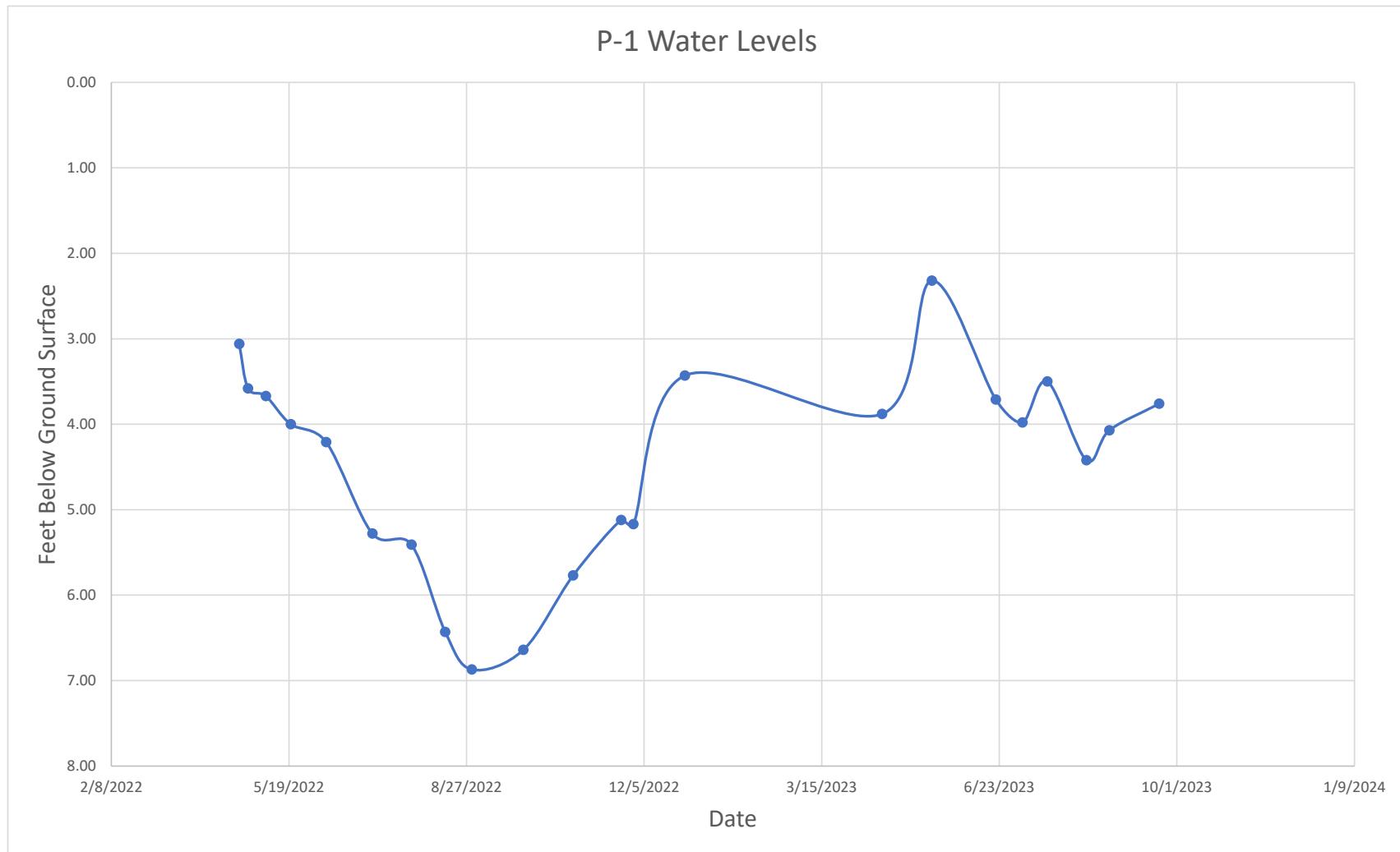
Sep 26 2023 1:26:00 PM	0.03	0.033
Sep 26 2023 1:27:00 PM	0.031	0.033
Sep 26 2023 1:28:00 PM	0.031	0.033
Sep 26 2023 1:29:00 PM	0.031	0.033
Sep 26 2023 1:30:00 PM	0.03	0.033
Sep 26 2023 1:31:00 PM	0.03	0.033
Sep 26 2023 1:32:00 PM	0.03	0.033
Sep 26 2023 1:33:00 PM	0.031	0.033
Sep 26 2023 1:34:00 PM	0.031	0.033
Sep 26 2023 1:35:00 PM	0.03	0.033
Sep 26 2023 1:36:00 PM	0.031	0.033
Sep 26 2023 1:37:00 PM	0.031	0.033
Sep 26 2023 1:38:00 PM	0.031	0.033
Sep 26 2023 1:39:00 PM	0.031	0.033
Sep 26 2023 1:40:00 PM	0.03	0.033
Sep 26 2023 1:41:00 PM	0.031	0.033
Sep 26 2023 1:42:00 PM	0.031	0.033
Sep 26 2023 1:43:00 PM	0.031	0.033
Sep 26 2023 1:44:00 PM	0.031	0.033
Sep 26 2023 1:45:00 PM	0.031	0.033
Sep 26 2023 1:46:00 PM	0.03	0.033
Sep 26 2023 1:47:00 PM	0.031	0.033
Sep 26 2023 1:48:00 PM	0.03	0.033
Sep 26 2023 1:49:00 PM	0.031	0.033
Sep 26 2023 1:50:00 PM	0.031	0.033

APPENDIX B
Flow Data Collection Table
Westchester County Airport

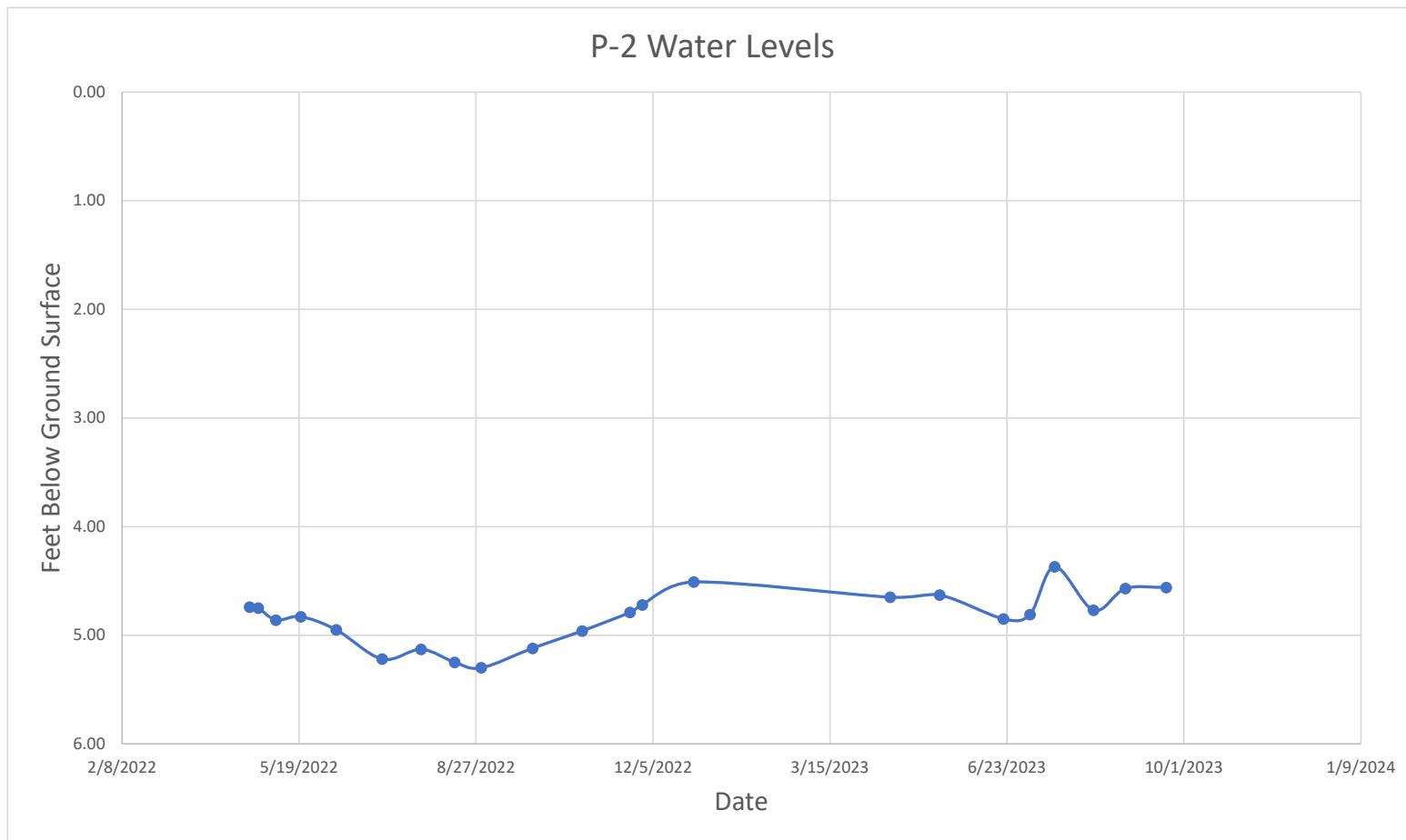
Date	Trib 1 (gpm)	Trib 2 (gpm)	OF-7 (gpm)	E-10 (gpm)	E-10 Stream Gauge	Rain Gauge (in)	Rain Bucket (in)
9/5/2023	0.0	1.0	4.0	12.0	0.29	0.00	0.00
9/6/2023	0.0	1.0	4.2	11.5	0.28	0.00	0.00
9/7/2023	0.0	0.5	4.0	11.7	0.28	0.00	0.00
9/8/2023	0.0	0.5	4.6	18.2	0.31	0.10	0.13
9/11/2023	20.0	15.0	50-70*	300-400*	0.72	0.60	1.25
9/12/2023	0.3	2.0	6.3	48.8	0.38	0.20	0.25
9/13/2023	0.0	3.0	7.3	66.1	0.40	0.10	0.13
9/14/2023	0.0	2.0	9.2	54.4	0.39	0.40	1.00
9/15/2023	0.0	2.0	8.0	41.5	0.36	0.00	0.00
9/18/2023	30.0	20.0	100-200*	400-500*	0.86	0.20	1.13
9/19/2023	0.0	15.0	30-40*	200-300*	0.52	0.70	2.38
9/20/2023	0.0	8.0	20.1	95.3	0.44	0.10	0.00
9/21/2023	0.0	6.0	11.6	62.1	0.40	0.00	0.00
9/22/2023	0.0	3.0	~	56.4	0.38	0.00	0.00
9/25/2023	50.0	100.0	200-300*	1000+*	1.22	1.00	1.75
9/26/2023	25.0	50.0	~	200-300*	0.68	0.40	1.13

* - Indicates an estimate when a flow measurement cannot be made due to high flow rate

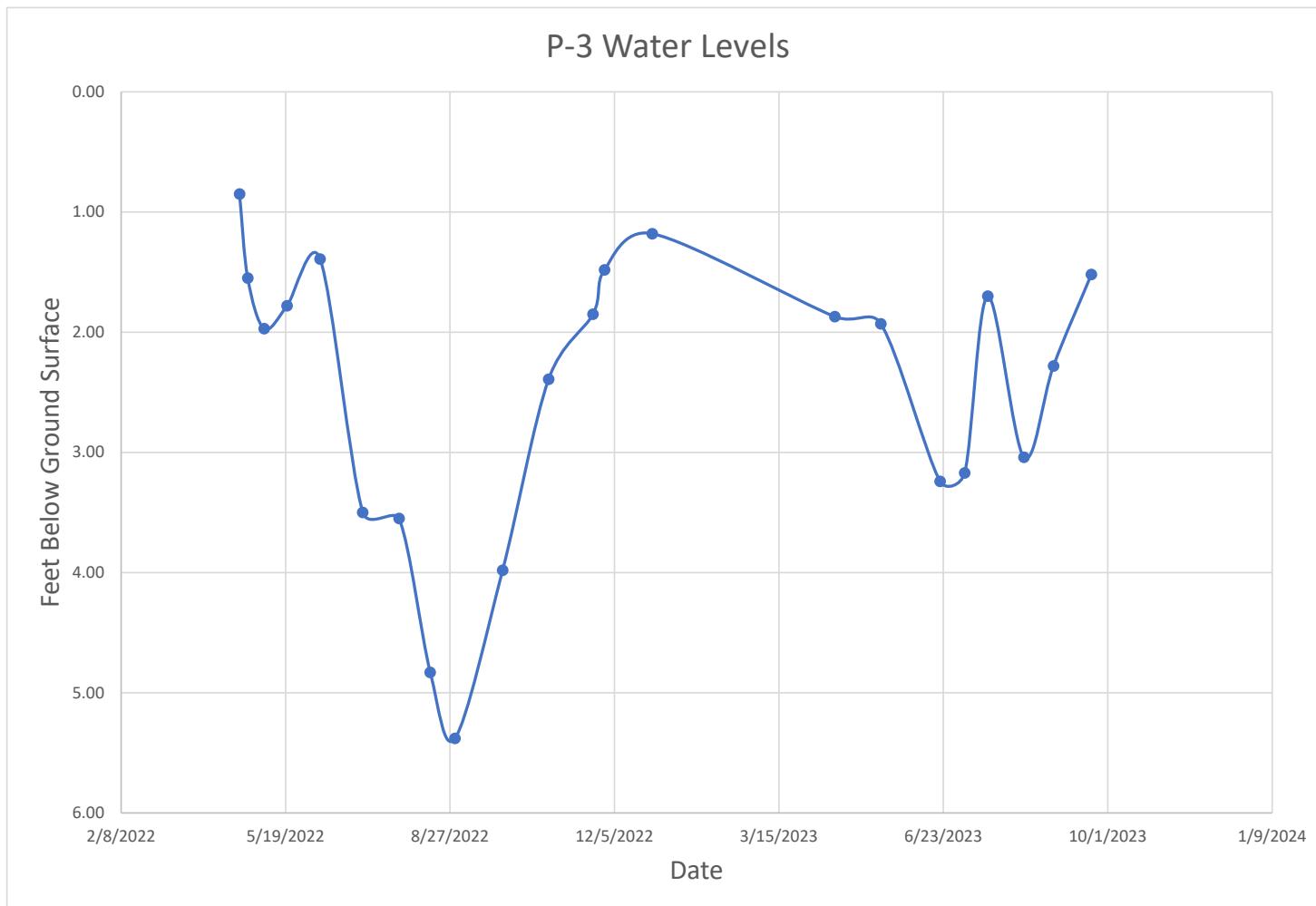
APPENDIX B



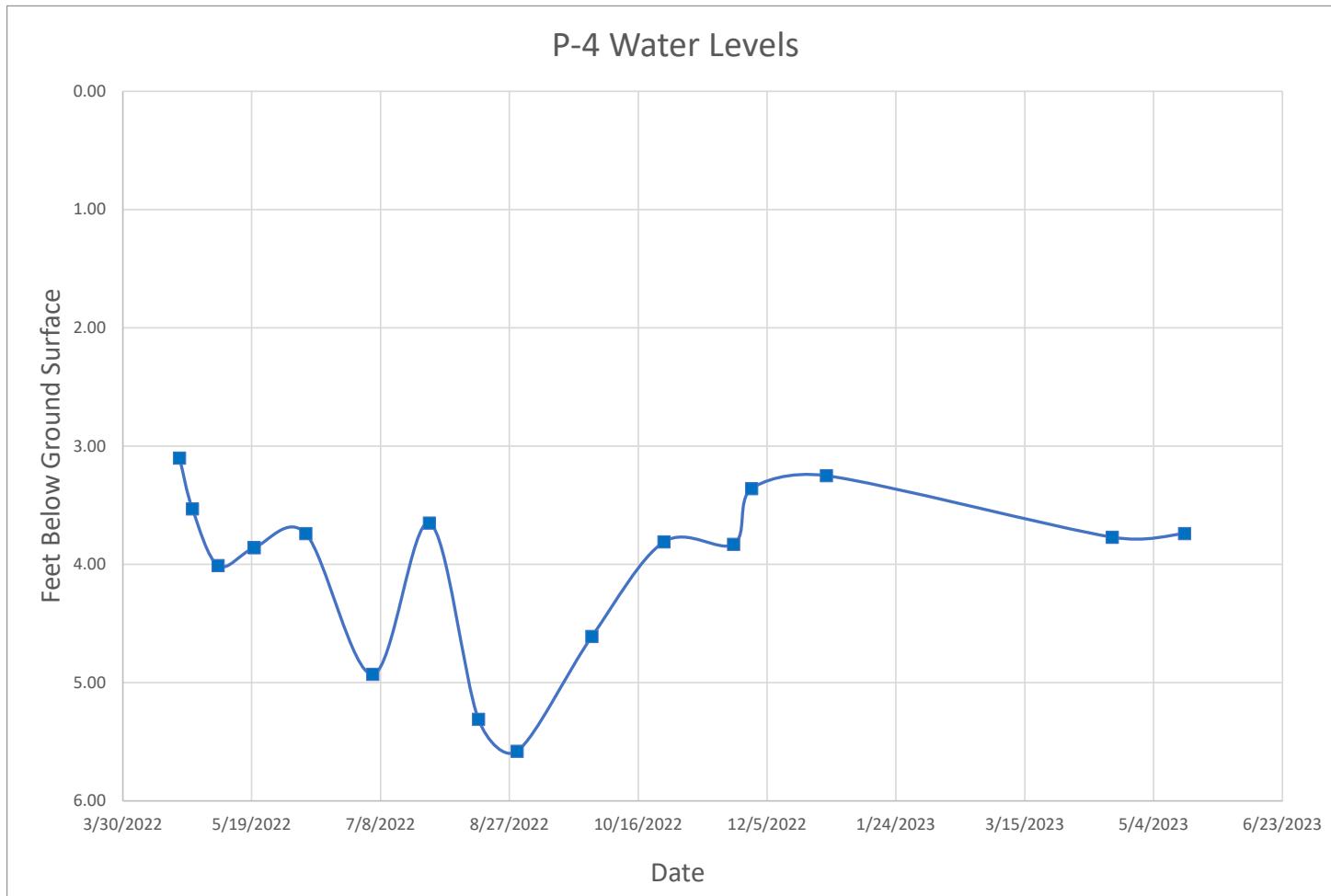
APPENDIX B



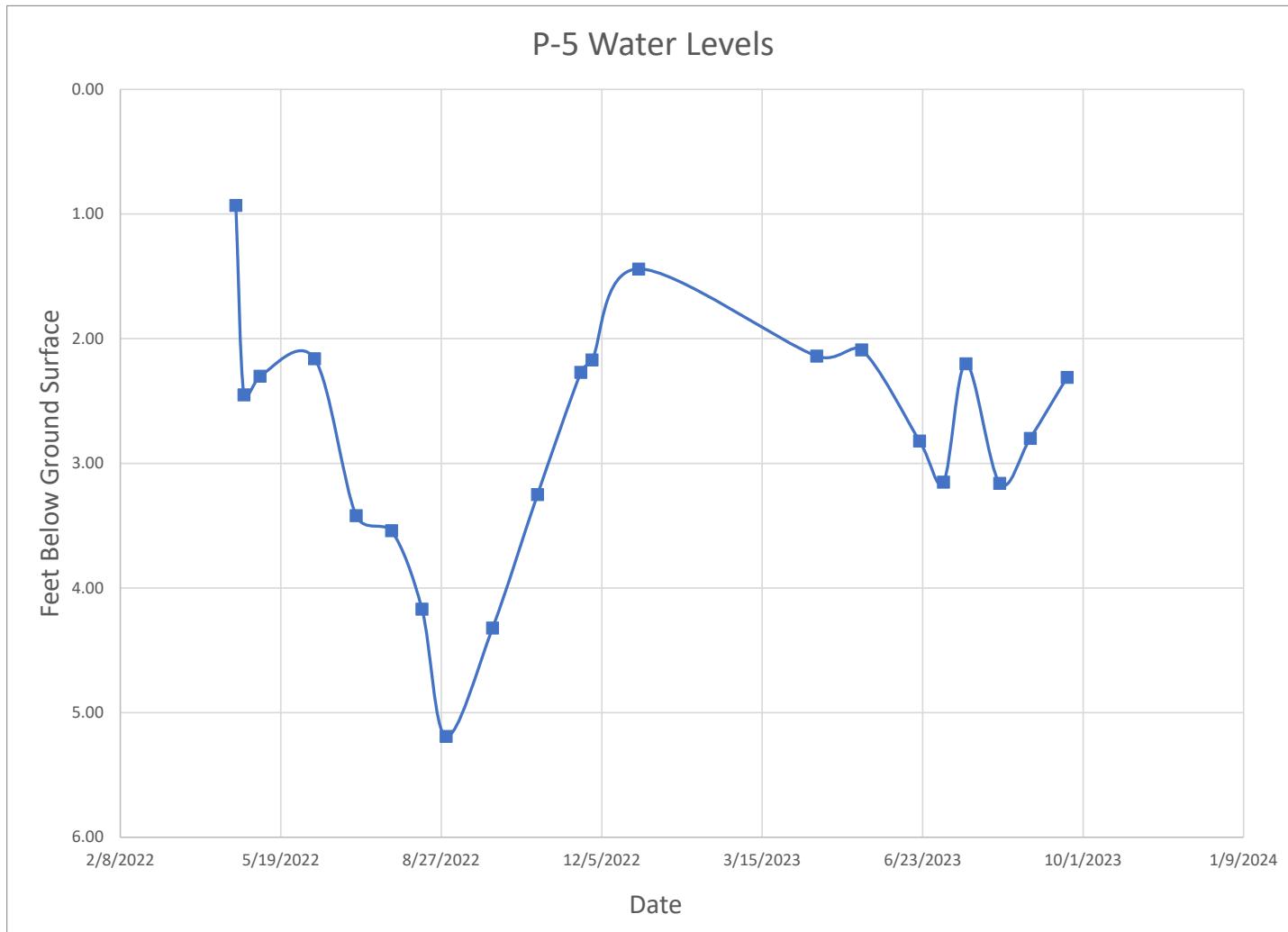
APPENDIX B



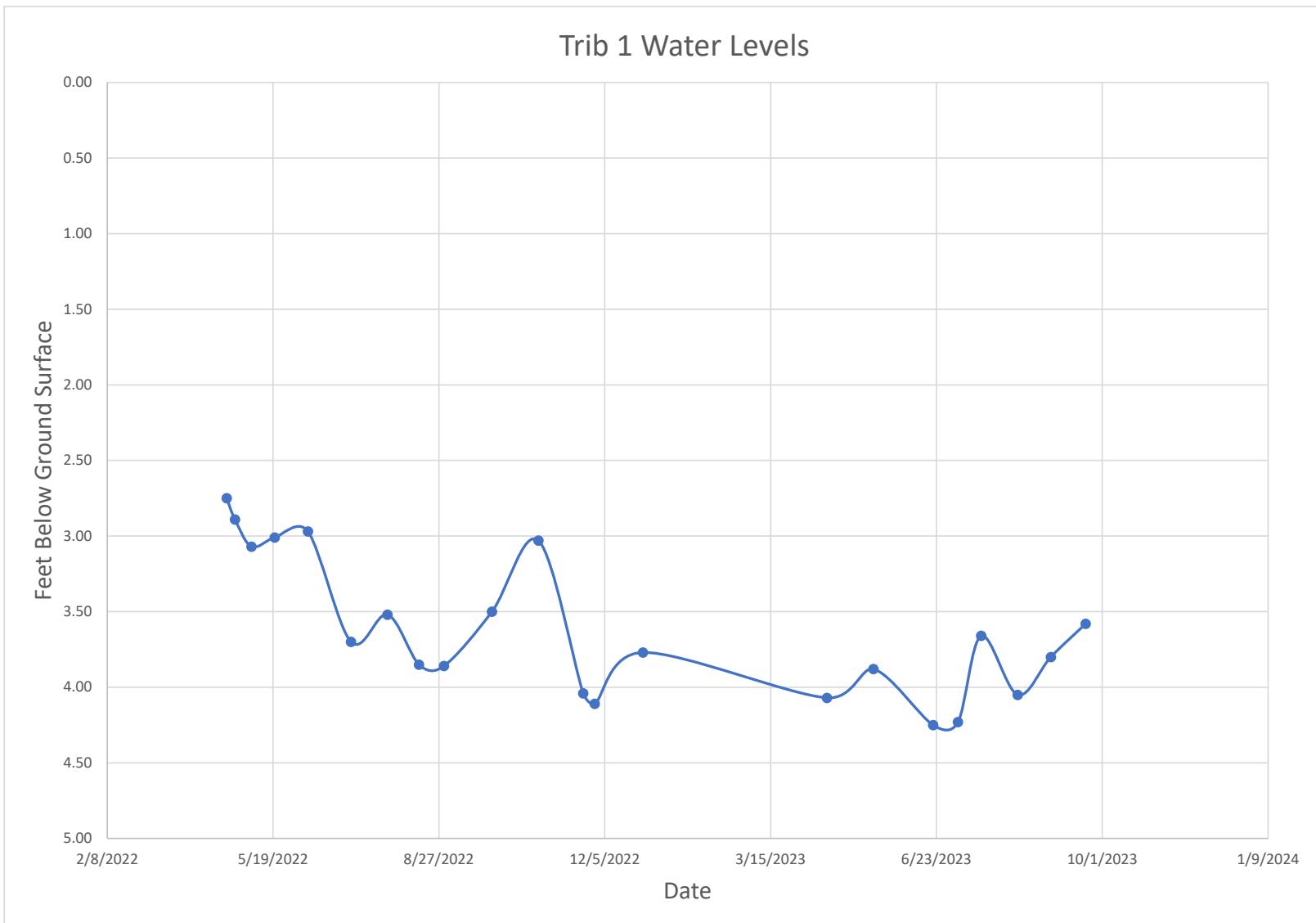
APPENDIX B



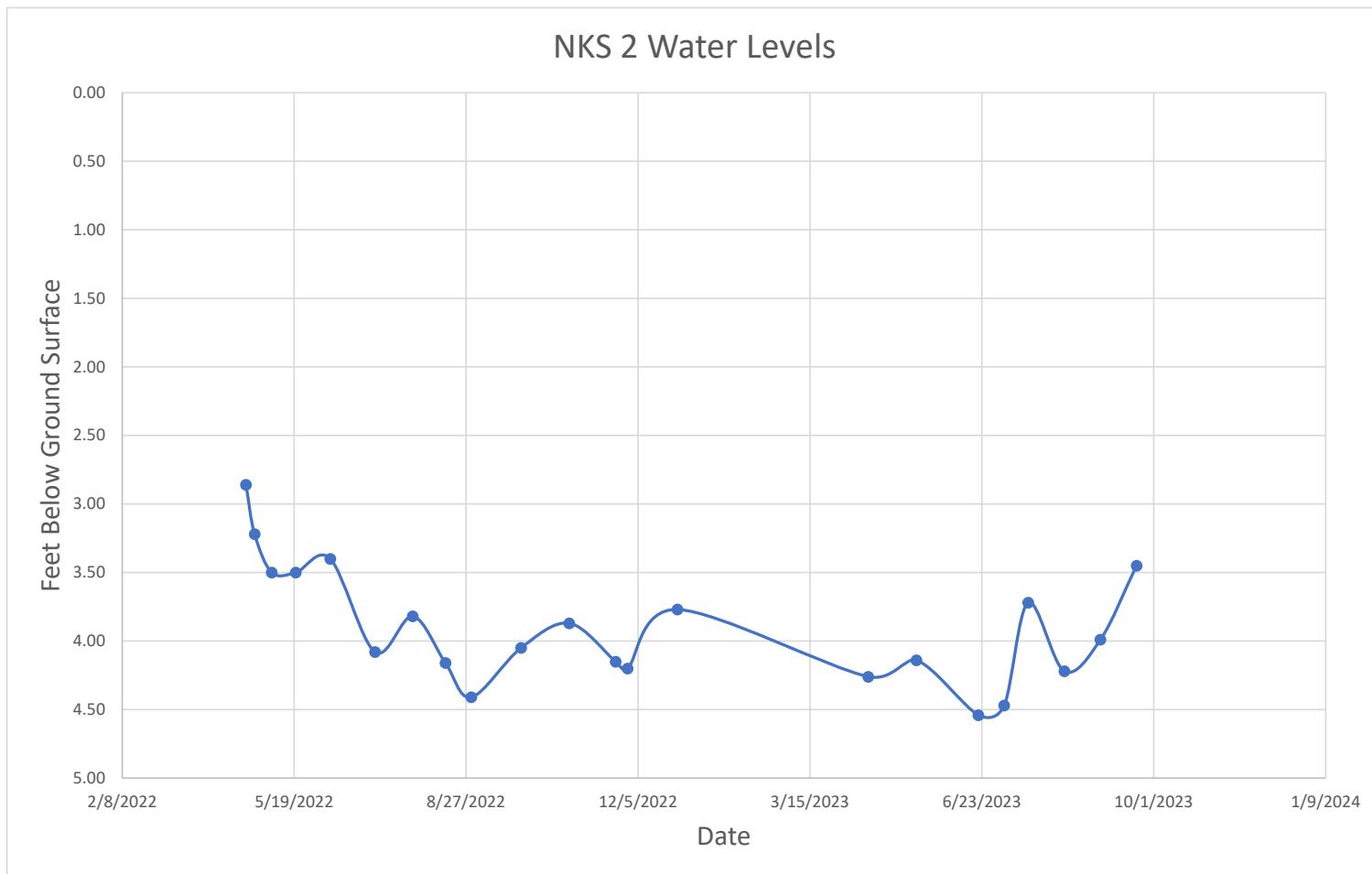
APPENDIX B



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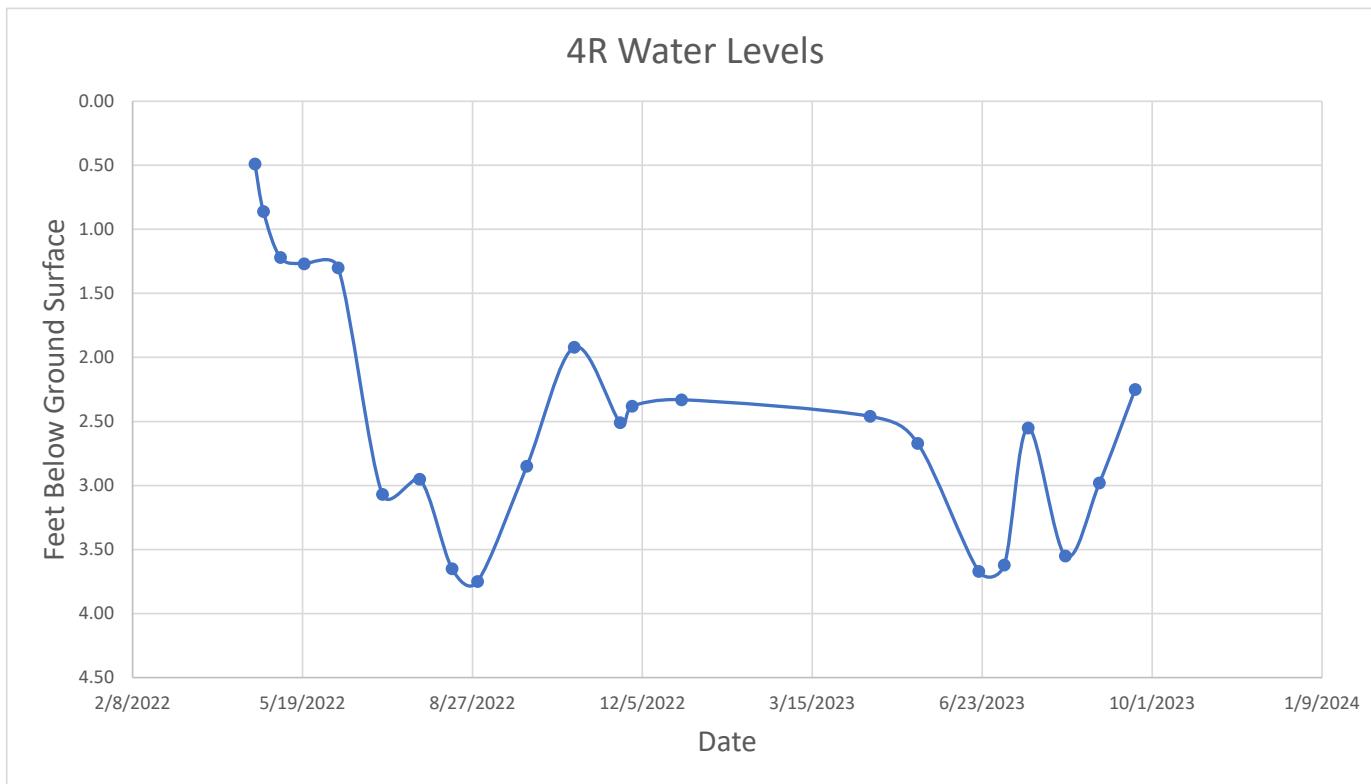
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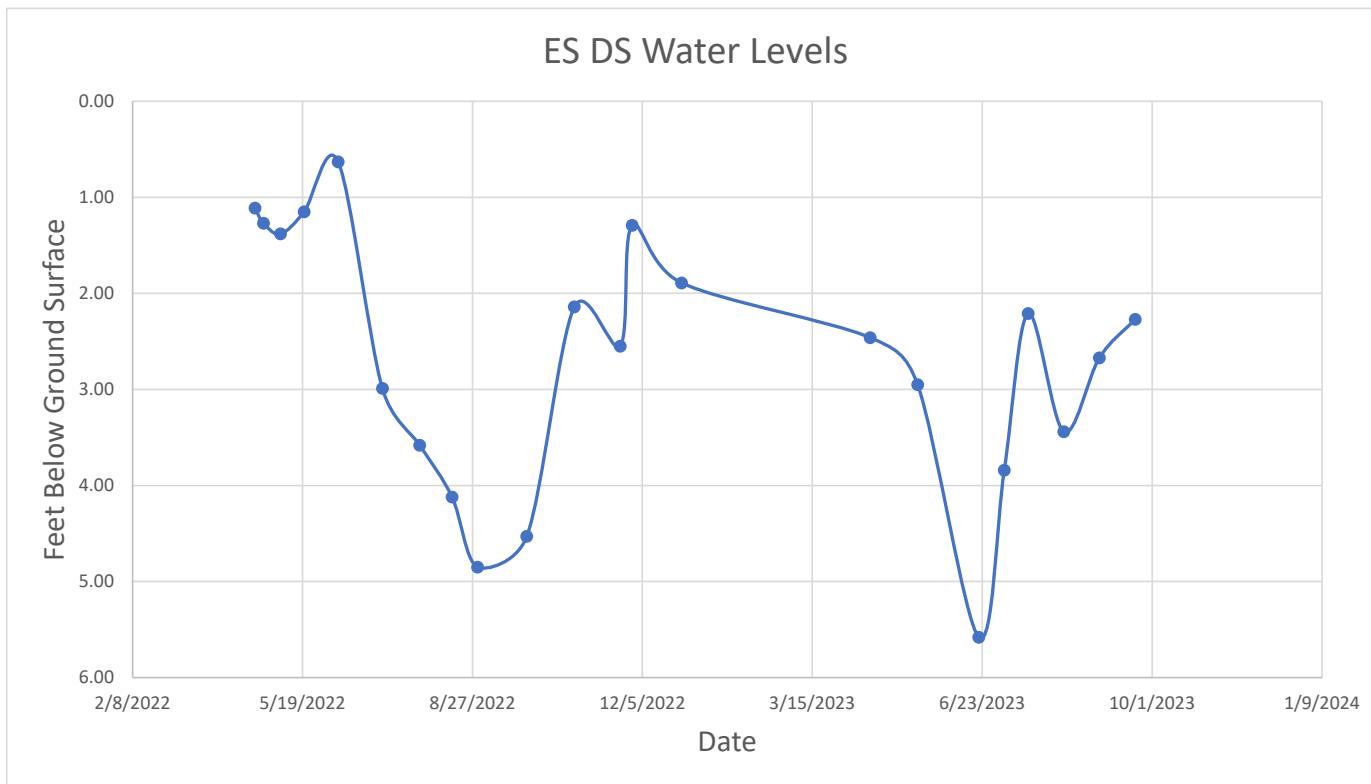
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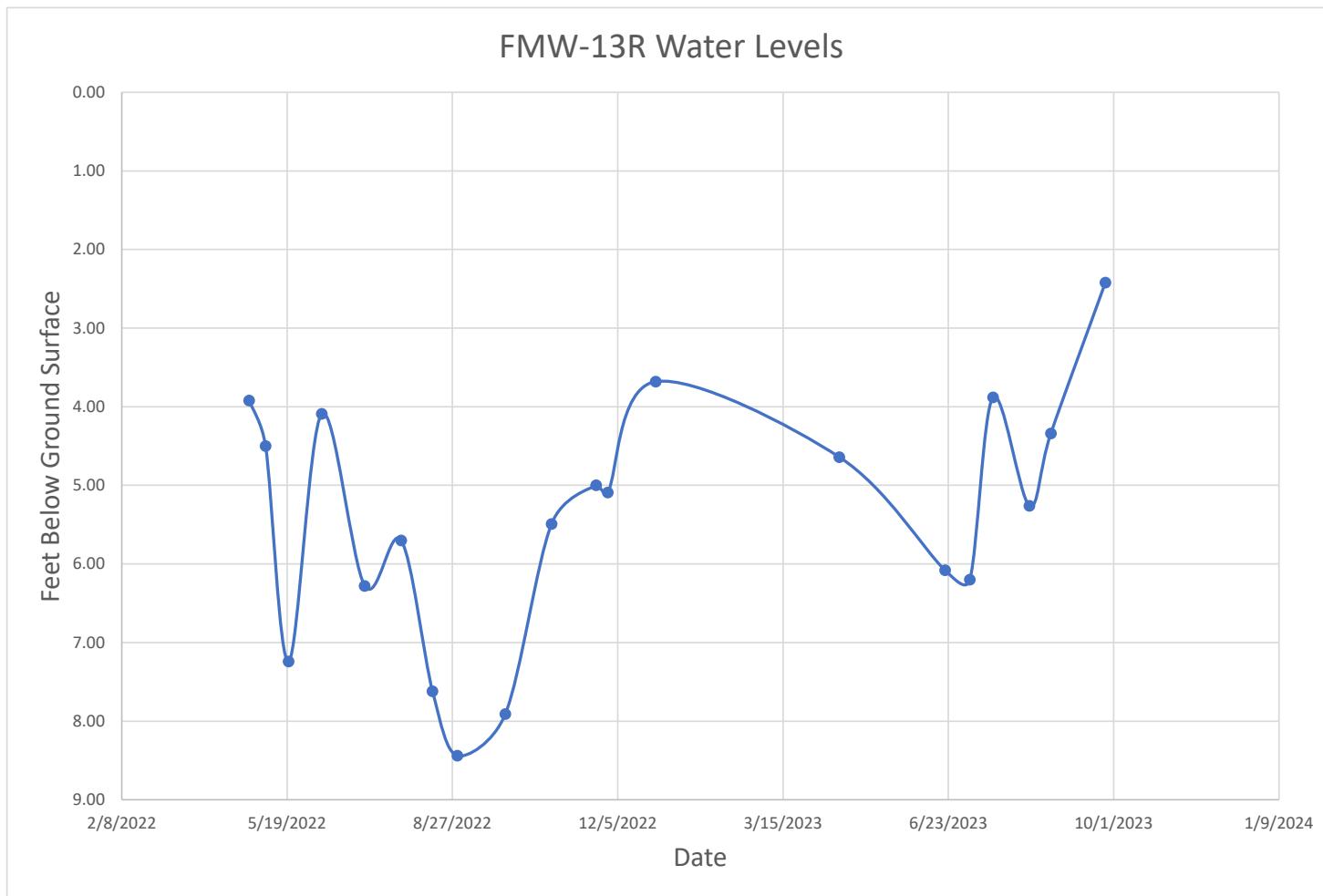
APPENDIX B



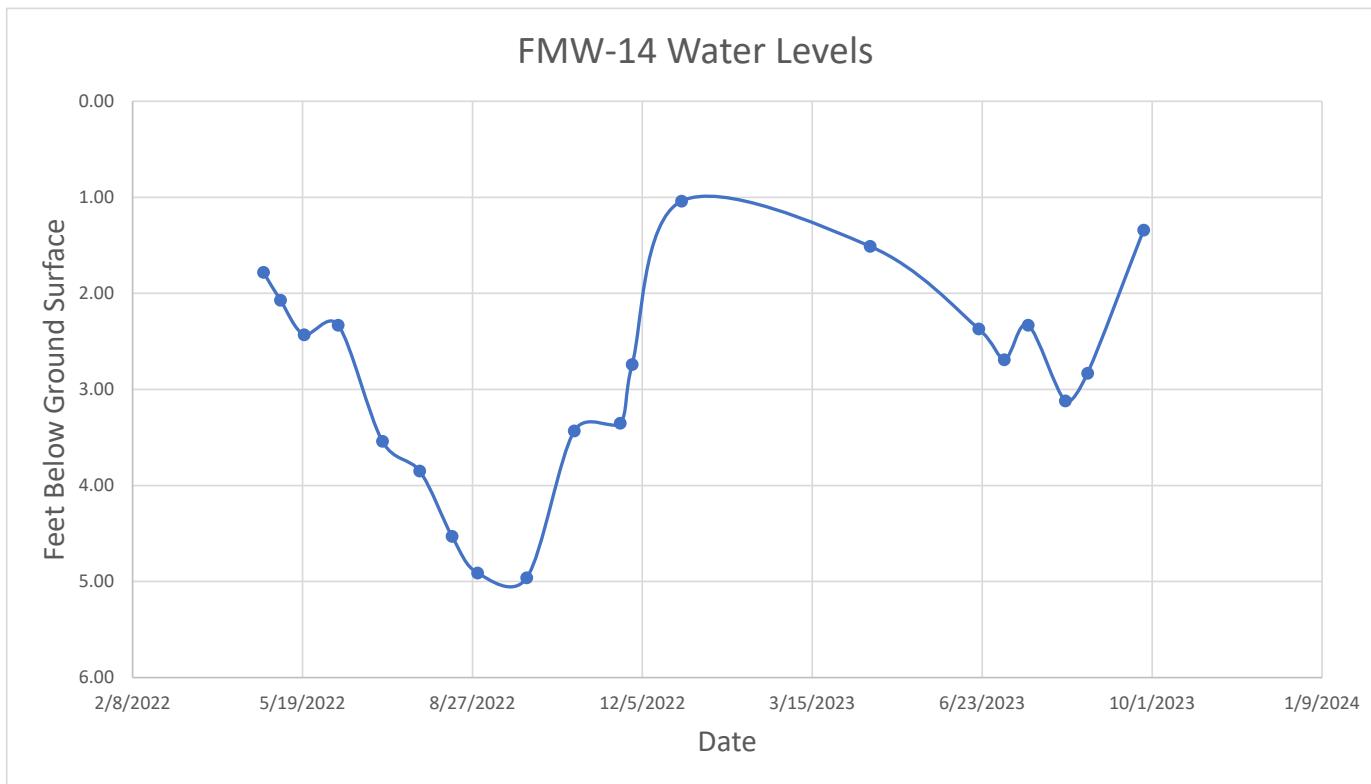
APPENDIX B



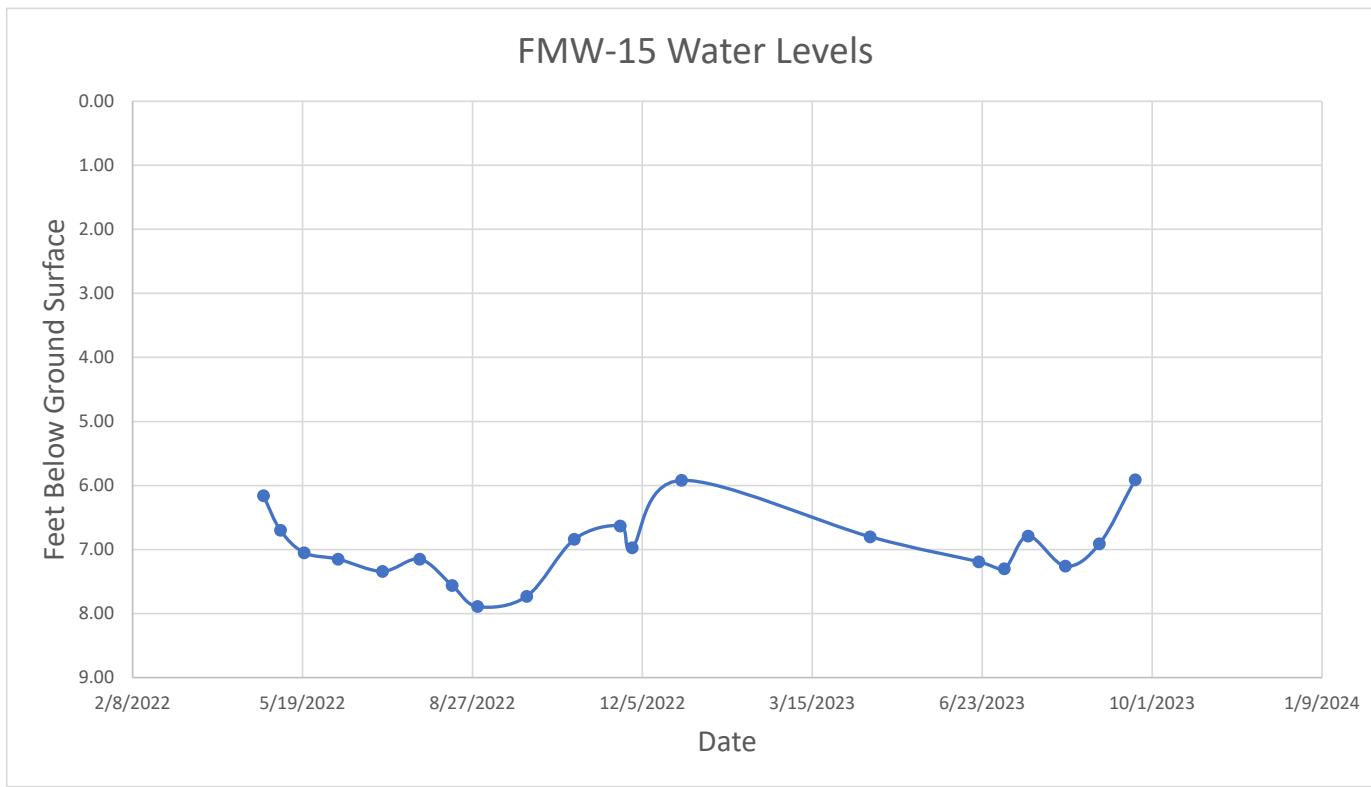
APPENDIX B



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