

Via: Electronic Mail

February 9, 2024

Attn: 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
January - February 2024 Monthly Progress Report
Westchester County Airport
240 Airport Road
Harrison, New York 10604**

Dear Ms. White:

Actions Taken/Accomplishments (January to February 2024)

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

1. Construction activity for January 2024 included pouring the foundation slab at the Airport Road and Tower Road backflow preventer buildings. At the Airport Road backflow preventer building, electrical conduits were installed connecting the vault to Building 10. At the Tower Road backflow preventer building, the electrical conduits were connected to the adjacent switchgear building and the area immediately surrounding the vault was backfilled.
2. At the Airport Road backflow preventer building, subcontractors have installed scaffolding and began installing the stone exterior of the building. On January 18, 2024, Triumph began screening the soil to be disposed of, which is associated with the watermain installation and construction of the backflow preventer buildings. Between January 19, 2024, and January 31, 2024, Triumph disposed of approximately 950 cubic yards of soil to the approved facility. Triumph also removed asphalt and rock which will be disposed of by Triumph. The backflow preventer vault area on Airport Road is highlighted in red in Figure 1.
3. During subsurface intrusive activities First Environment conducted air monitoring for total organic vapors and air particulates as described in First Environment's Community Air Monitoring Plan (CAMP). Dust monitors and a photoionization detector (PID) were used to monitor the work area air quality for airborne particulate and volatile organic compounds (VOCs). No elevated levels of airborne particulates or VOCs were identified. Air monitoring occurred on January 9, 15, 17, and 23, when Triumph mobilized to Tower Road and Airport Road to conduct excavation related to electrical conduit installation. Triumph's scope-of-work was to install electrical conduits that connected the backflow preventer buildings to adjacent buildings.

4. Air monitoring was also conducted by First Environment on January 18, 19, 22, 24, 25, 26, 30, and 31 when Triumph's coordinating for soil disposal related to watermain installation and backflow preventer building construction activities. The location of the Tower Road backflow preventer building is shown in Figure 2. A photolog is included in Appendix B illustrating construction progress associated with both backflow preventer vaults.
5. First Environment continues to measure water level elevations at monitoring well locations along the waterline installation area illustrated in Figure 3. Air monitoring data collection tables, hydrographs, and air monitoring results are included in Appendix C. Due to issues with the rain gauges caused by freezing temperatures, rainfall data for the month of January was collected from www.wunderground.com using the Westchester County Airport weather station. New freeze-proof rain gauges were installed on site on January 31.
6. Triumph removed one dewatering pump from each backflow preventer building in December 2023. The single dewatering pump at each location has been used intermittently during the month of January. Triumph reports that the flow of groundwater below the building area has not been significant. The water containing per- and polyfluoroalkyl substance (PFAS) has been collected for treatment and then discharged to the sanitary sewer.
7. In early January, GWTT winterized the treatment system to prevent issues caused by freezing temperatures. This included heat-tracing hose lines and installing water heaters in the pre-treatment and pre-discharge frac tanks.
8. On Monday, January 22, 2024, Triumph reported damage to the GWTT treatment system. Upon their inspection, Triumph discovered that the heaters in the CONEX container housing the influent pumps, treatment vessels, and filters were shut off. Triumph suspects this was due to generator or breaker panel failure. Triumph reported that the breakers for the heaters were not working on the electrical panel. The CONEX container was exposed to freezing temperatures for an unknown period of time, beginning as early as Friday, January 19 after Triumph left the site for the weekend. Water that was contained within the treatment vessels, transfer lines, and filter housings expanded due to freezing water and cracked. Triumph notified GWTT of the damage and GWTT removed the CONEX container from the site on January 25. Before removal of the CONEX container, Triumph discharged approximately 11,000 gallons of treated groundwater to the sanitary sewer.
9. In the NYSDEC letter dated January 25, 2024, NYSDEC granted approval of the RIWP pending modifications specified in the letter.
10. As of January 30, 2024, approximately 108,000 gallons have been treated by the GWTT treatment system and discharged to the designated sanitary sewer at 17 gallons per minute (gpm) per Westchester Department of Environmental Facilities (DEF) remediation discharge permit requirements. Groundwater that had been dewatered but not yet discharged totaled approximately 51,375 gallons as of January 31, 2024. The total amount of generated groundwater is estimated to be 159,000 gallons as of January 31, 2024.

11. Continued the update of Electronic Data Deliverables (EDDs).

February to March 2024 Planned Activities

1. First Environment will continue to provide Continuous Air Monitoring during intrusive construction activities related to the watermain installation or backflow preventer vaults as described in First Environment's CAMP submittal to the NYSDEC/NYSDOH.
2. Planned activities for February include installation of scaffolding and stone exterior at both the Airport Road and Tower Road backflow preventer buildings, and excavation of a Reduced Pressure Zone (RPZ) meter vault building located across the street from the Airport Road backflow preventer building. Triumph will continue dewatering the excavation areas and treating the groundwater through the GWTT treatment system. Treated water will be discharged at 17 gpm, as required by the Westchester DEF Remediation/Discharge Permit, to the designated sanitary sewer location.
3. First Environment will continue to provide oversight for the treatment system operation, including monitoring the volume of treated water and testing of water discharged per the DEF remediation permit requirements.
4. Any further soil proposed for off-site transport/disposal will require the approval by the NYSDEC. During soil loadout, First Environment will continue to be on site to conduct air monitoring in accordance with the CAMP.
5. First Environment will coordinate the disposal of two 55-gallon drums and one 5-gallon bucket of used granular activated carbon (GAC) media. This media originated from the ECT2 pilot treatment system and has been stored on site since the ECT2 trailer was demobilized on December 14, 2023.
6. First Environment will coordinate with ECT2 to collect additional water at OF-7 to complete a bench scale test necessary to finalize the report. Once the evaluation is completed those findings will be shared with the County, Airport, and NYSDEC.
7. First Environment will finalize the RIWP for resubmittal.
8. Continue to submit monthly progress reports in an American Disabilities Act (ADA) format to Westchester County.
9. As per DEF permit requirements, 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. Triumph, the waterline installation contractor, is responsible for the treatment system operation and maintenance.
10. The quarterly performance sample event for FMW-13R pilot test will take place and continue semi-annually in the future. Upon receipt of laboratory data, the data analysis will be summarized in the next monthly report.

Ms. Greta White
NYSDEC

11. Prepare Interim Site Management Plan.

12. 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 County Executive Director of Aviation
Francisco Tejada – 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

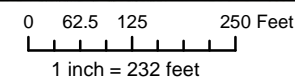
[Attachments](#)

1. [Figures](#)
2. [Appendix A – Work Activity Schedule 2022-2024](#)
3. [Appendix B – Backflow Preventer Building Photo Log](#)
4. [Appendix C – Flow Data Collection Table / CAMP Air Monitoring Data / Hydrographs](#)



Legend

- Station
- Water Line Completed
- Elevation Contour Lines
- ▭ Former AFFF Burn Pit
- ▭ Vault
- ▭ Subsurface Catch Basin
- ⋯ Property Boundary
- ⋯ Open Catch Area



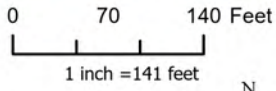
	NYSDEC SITE NO. 360174 WESTCHESTER COUNTY AIRPORT White Plains, Westchester County, New York FIGURE 1 WATER LINE CONSTRUCTION PROGRESS			
	10 Park Place, Bldg 1A, Suite 504 Butler, NJ 07405	Revised LS	Drawn LS	Checked DL
		Date 11/9/2023		



New York State, State of Connecticut, Maxar, Microsoft

Legend

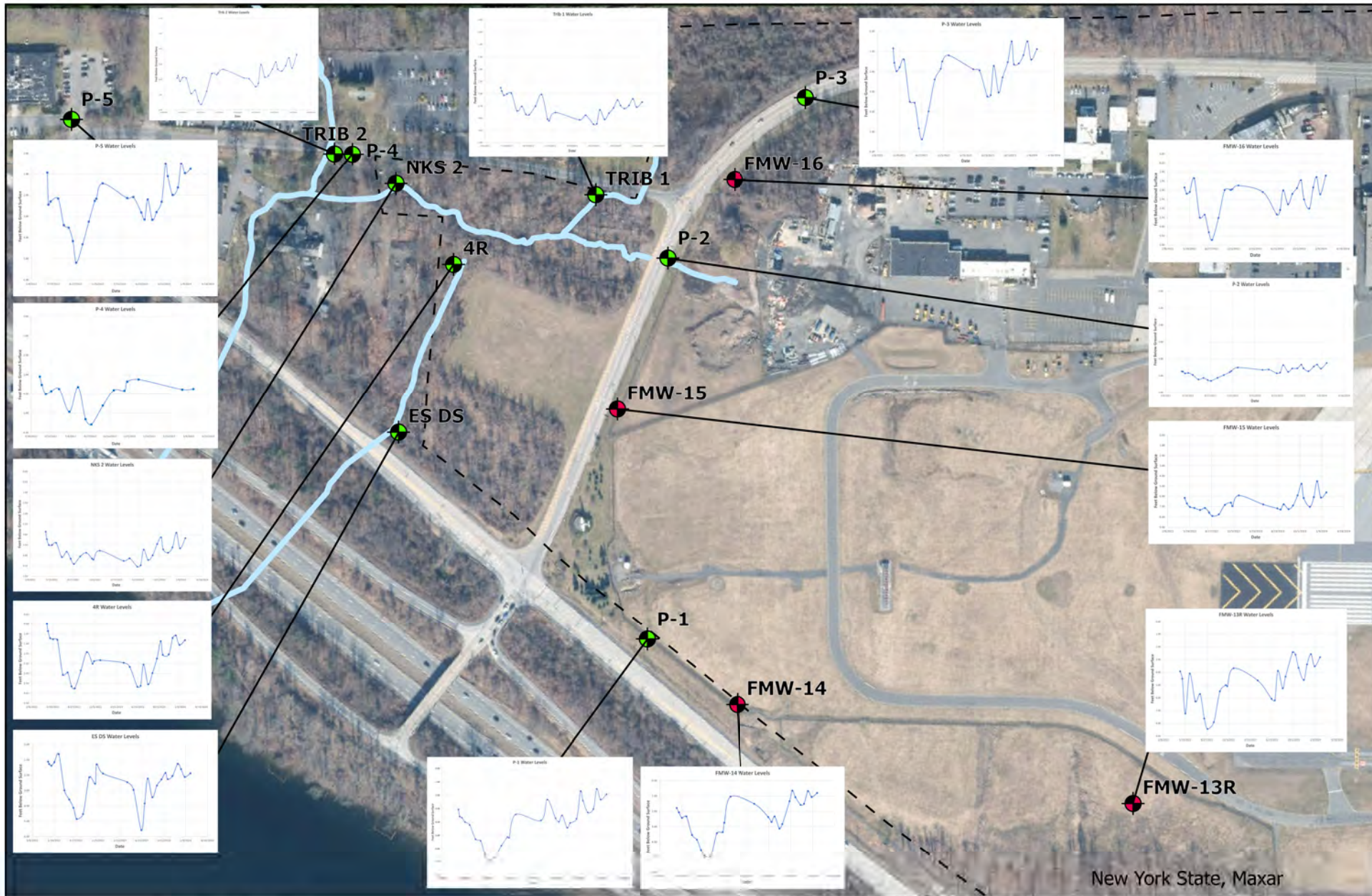
- Backflow Preventer Building
- Airport Property Boundary



10 Park Pl, Bldg 1A, Suite 504
Butler, NJ 07405



NYSDEC SITE NO. 360174
WESTCHESTER COUNTY AIRPORT
White Plains, Westchester County, New York
FIGURE 2
TOWER ROAD VAULT AREA



Revised	Drawn DOL	Checked	Approved	Date 1/2/2024
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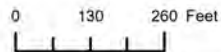


New York State, Maxar

Legend

-  Permanent Monitoring Well
-  Temporary Monitoring Well

-  Stream
-  Airport Property Boundary



FIRST ENVIRONMENT

10 Park Pl, Bldg 1A, Suite 504
Butler, NJ 07405

NYSDEC SITE NO. 360174
WESTCHESTER COUNTY AIRPORT
White Plains, Westchester County, New York

FIGURE 3
MONITORING WELL HYDROGRAPHS

Revised	Drawn	Checked	Approved	Date
	DOL			1/8/2024

**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	100%
OF-7 Pilot Test Treatment System	October 2023	100%
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	November 2023	100%
OF-4 IRM Pilot Test ¹	Summer 2024	55%
Remedial Investigation Workplan Submittal	July 2022	100%
GW Pilot Test Scope of Work	Summer 2022	100%
GW Pilot Test	Winter 2022	100%
GW Pilot Test Performance Monitoring	Winter 2023	100%
Execution of RI workplan ²	Spring/Summer 2024	0%
Remedial Investigation Report	Winter 2024	0%
Remedial Action Alternatives Evaluation	2025	0%
Interim Site Management Plan	Spring-Summer 2024	20%
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 Assessing pilot test technology applicability..

² Start date dependent upon workplan approval.

Appendix B
Backflow Preventer Building Photo Log
Westchester County Airport



Photos 1 & 2 – Progress made as of 1/31/24.
The photos show the construction progress of the stone exterior for the Airport Road backflow preventer building, as well as the surrounding scaffolding and tarp cover.

Appendix B
Backflow Preventer Building Photo Log
Westchester County Airport



Photo 3 – Taken 1/31/24.

Shows the progress made on the Tower Road backflow preventer building. Pictured is the installation of scaffolding that will be used to construct the stone exterior.

Appendix C
 Table 1 - Flow Data Collection Table
 Westchester County Airport

Date	Trib 1 (gpm)	Trib 2 (gpm)	OF-7 (gpm)	E-10 (gpm)	E-10 Stream Gauge
1/5/2024	0.00	10-15	6-8**	101.20	0.46
1/15/2024	0.25	12-16	-	150-200**	0.54
1/18/2024	0.25	6-10	-	-	-
1/22/2024	0.25	6-10	12-16**	93.30	0.44
1/23/2024	0.25	6-10	-	144.10	0.49
1/24/2024	0.25	8-12	-	150-200**	0.52
1/25/2024	3-5	30-50	-	500-600**	0.78
1/26/2024	3-5	25-30	20-30**	400-500**	0.72
1/30/2024	0.25	20-25	12-16**	200-250**	0.58
1/31/2024	0.25	15-20	10-15**	150-200**	0.54

**Indicates an estimate when a measurement cannot be taken

Date	Rainfall (in)
1/10/2024	2.38
1/16/2024	0.03
1/17/2024	0.15
1/25/2024	0.25
1/26/2024	0.12
1/27/2024	0.01
1/28/2024	0.47
1/29/2024	0.53

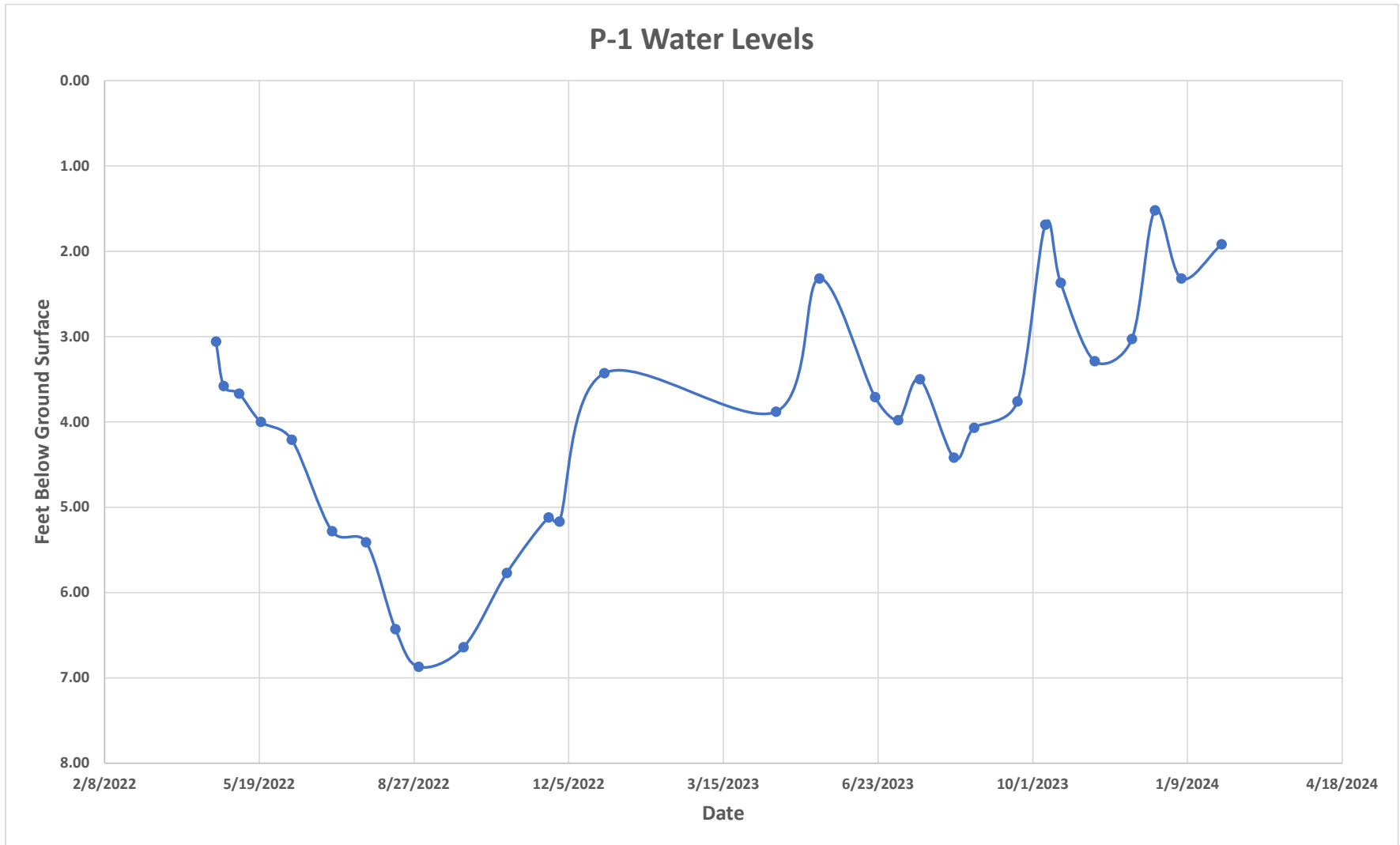
Appendix C
 Table 2 - GWTT Totalizer Data
 Westchester County Airport

Date/Time	GWTT Totalizer Reading	Total Gallons Discharged (gal)
10/11/23 9:00	18886	0
10/18/23 12:40	23870	4984
10/18/23 14:20	24988	6102
10/19/23 15:20	30180	11294
10/20/23 14:50	30180	11294
10/23/23 14:35	32096	13210
10/24/23 13:58	35884	16998
10/25/23 13:50	40550	21664
10/26/23 15:00	48928	30042
10/27/23 10:53	48928	30042
10/30/23 12:27	52745	33859
10/31/23 10:35	57271	38385
11/2/23 12:15	57271	38385
11/6/23 13:10	57271	38385
11/10/23 14:00	61336	42450
11/14/23 10:30	61337	42451
11/16/23 14:25	68604	49718
11/17/23 14:10	69111	50225
11/30/23 12:22	76548	57662
12/1/23 12:30	87683	68797
12/4/23 14:00	108785	89899
12/7/23 9:30	109842	90956
1/5/24 10:15	112722	93836
1/22/24 14:30	116997	98111
1/24/24 12:13	124267	105381
1/30/24 8:30	127016	108130

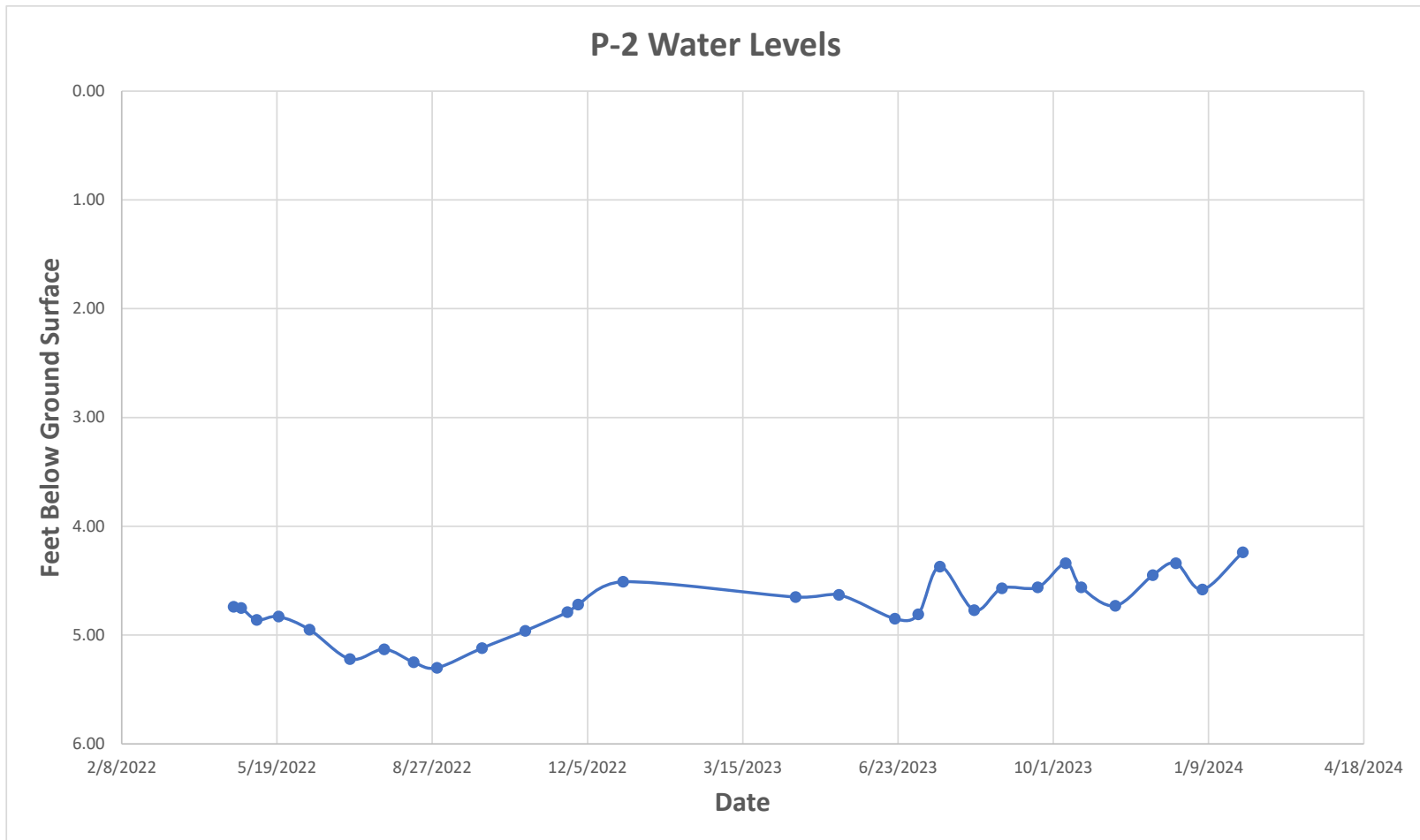
Appendix C CAMP Air Monitoring Data Westchester County Airport

Jan 15, 2024 1:35:00 PM	0.01	0.018	Jan 17, 2024 2:00:00 PM	0.008	0.002	Jan 18, 2024 1:40:00 PM	0.011	0.022
Jan 15, 2024 1:36:00 PM	0.01	0.017	Jan 17, 2024 2:01:00 PM	0.007	0.021	Jan 18, 2024 1:41:00 PM	0.011	0.021
Jan 15, 2024 1:37:00 PM	0.01	0.017	Jan 17, 2024 2:02:00 PM	0.005	0.018	Jan 18, 2024 1:42:00 PM	0.011	0.025
Jan 15, 2024 1:38:00 PM	0.009	0.019	Jan 17, 2024 2:03:00 PM	0.008	0.019	Jan 18, 2024 1:43:00 PM	0.011	0.020
Jan 15, 2024 1:39:00 PM	0.01	0.016	Jan 17, 2024 2:04:00 PM	0.011	0.018	Jan 18, 2024 1:44:00 PM	0.011	0.020
Jan 15, 2024 1:40:00 PM	0.01	0.016	Jan 17, 2024 2:05:00 PM	0.021	0.021	Jan 18, 2024 1:45:00 PM	0.011	0.025
Jan 15, 2024 1:41:00 PM	0.01	0.017	Jan 17, 2024 2:06:00 PM	0.02	0.022	Jan 18, 2024 1:46:00 PM	0.011	0.021
Jan 15, 2024 1:42:00 PM	0.01	0.016	Jan 17, 2024 2:07:00 PM	0.013	0.021	Jan 18, 2024 1:47:00 PM	0.011	0.025
Jan 15, 2024 1:43:00 PM	0.01	0.019	Jan 17, 2024 2:08:00 PM	0.022	0.02	Jan 18, 2024 1:48:00 PM	0.011	0.020
Jan 15, 2024 1:44:00 PM	0.01	0.024	Jan 17, 2024 2:09:00 PM	0.006	0.016	Jan 18, 2024 1:49:00 PM	0.011	0.020
Jan 15, 2024 1:45:00 PM	0.01	0.022	Jan 17, 2024 2:10:00 PM	0.013	0.017	Jan 18, 2024 1:50:00 PM	0.011	0.025
Jan 15, 2024 1:46:00 PM	0.01	0.018	Jan 17, 2024 2:11:00 PM	0.007	0.016	Jan 18, 2024 1:51:00 PM	0.011	0.021
Jan 15, 2024 1:47:00 PM	0.01	0.016	Jan 17, 2024 2:12:00 PM	0.005	0.018	Jan 18, 2024 1:52:00 PM	0.011	0.025
Jan 15, 2024 1:48:00 PM	0.009	0.019	Jan 17, 2024 2:13:00 PM	0.012	0.023	Jan 18, 2024 1:53:00 PM	0.011	0.020
Jan 15, 2024 1:49:00 PM	0.009	0.018	Jan 17, 2024 2:14:00 PM	0.008	0.018	Jan 18, 2024 1:54:00 PM	0.011	0.020
Jan 15, 2024 1:50:00 PM	0.01	0.016	Jan 17, 2024 2:15:00 PM	0.026	0.021	Jan 18, 2024 1:55:00 PM	0.011	0.025
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Jan 15, 2024 1:58:00 PM	0.01	0.017	Jan 17, 2024 2:23:00 PM	0.005	0.023	Jan 18, 2024 2:03:00 PM	0.011	0.020
Jan 15, 2024 1:59:00 PM	0.009	0.018	Jan 17, 2024 2:24:00 PM	0.007	0.023	Jan 18, 2024 2:04:00 PM	0.011	0.020
Jan 15, 2024 2:00:00 PM	0.01	0.02	Jan 17, 2024 2:25:00 PM	0.007	0.016	Jan 18, 2024 2:05:00 PM	0.011	0.025
Jan 15, 2024 2:01:00 PM	0.01	0.017	Jan 17, 2024 2:26:00 PM	0.007	0.023			
Jan 15, 2024 2:02:00 PM	0.01	0.017	Jan 17, 2024 2:27:00 PM	0.005	0.021			
Jan 15, 2024 2:03:00 PM	0.009	0.019	Jan 17, 2024 2:28:00 PM	0.005	0.026			
Jan 15, 2024 2:04:00 PM	0.009	0.021	Jan 17, 2024 2:29:00 PM	0.006	0.018			
Jan 15, 2024 2:05:00 PM	0.009	0.018	Jan 17, 2024 2:30:00 PM	0.007	0.016			
Jan 15, 2024 2:06:00 PM	0.009	0.022	Jan 17, 2024 2:31:00 PM	0.006	0.026			
Jan 15, 2024 2:07:00 PM	0.009	0.017	Jan 17, 2024 2:32:00 PM	0.005	0.018			
Jan 15, 2024 2:08:00 PM	0.009	0.019	Jan 17, 2024 2:33:00 PM	0.009	0.016			
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Jan 15, 2024 2:10:00 PM	0.009	0.016	Jan 17, 2024 2:35:00 PM	0.008	0.017			
Jan 15, 2024 2:11:00 PM	0.009	0.016	Jan 17, 2024 2:36:00 PM	0.006	0.022			
Jan 15, 2024 2:12:00 PM	0.009	0.016	Jan 17, 2024 2:37:00 PM	0.007	0.018			
Jan 15, 2024 2:13:00 PM	0.009	0.019	Jan 17, 2024 2:38:00 PM	0.005	0.021			
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Jan 15, 2024 2:16:00 PM	0.01	0.017						
Jan 15, 2024 2:17:00 PM	0.009	0.017						
Jan 15, 2024 2:18:00 PM	0.01	0.019						
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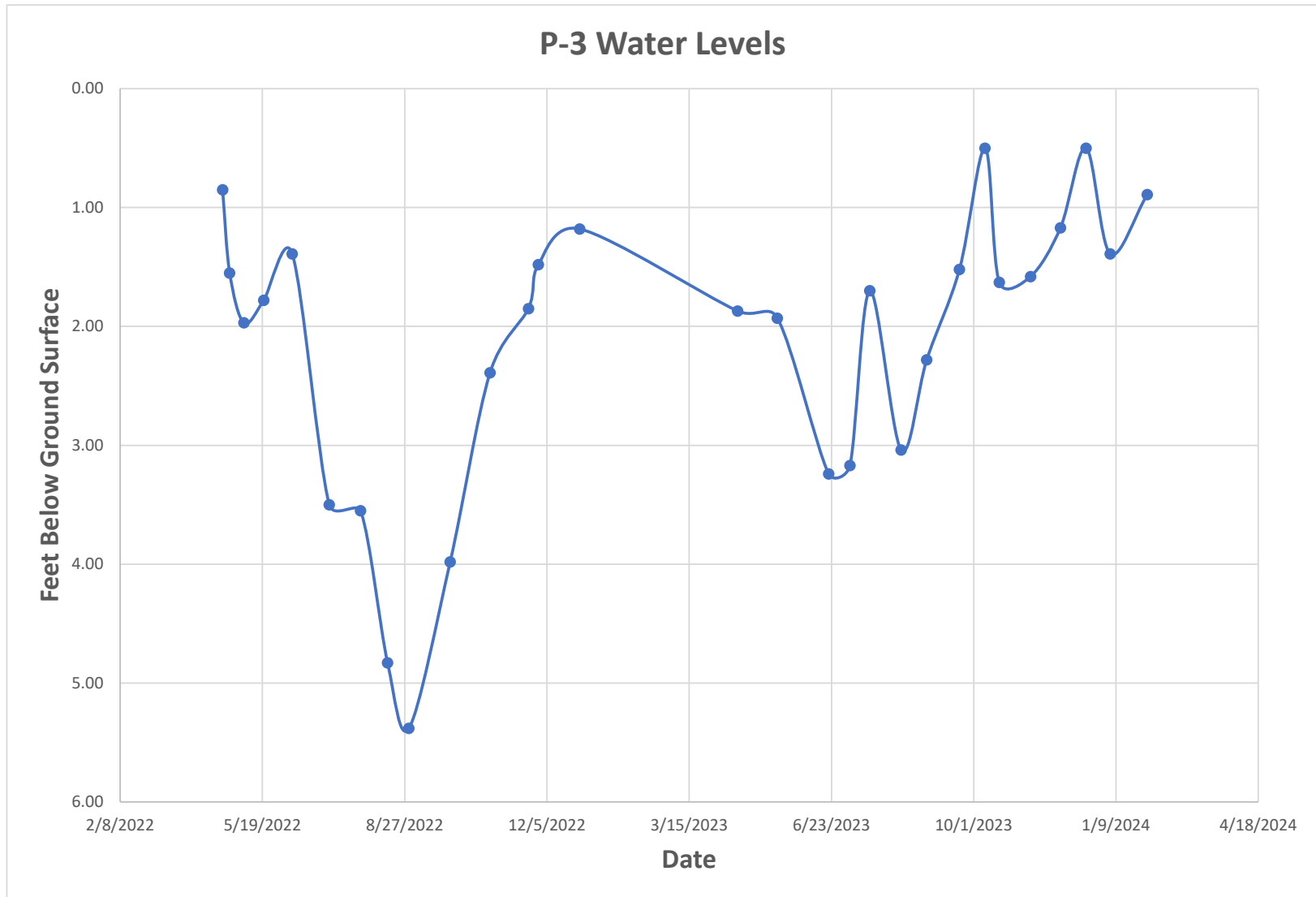
Appendix C
Monitoring Well Hydrographs
Westchester County Airport



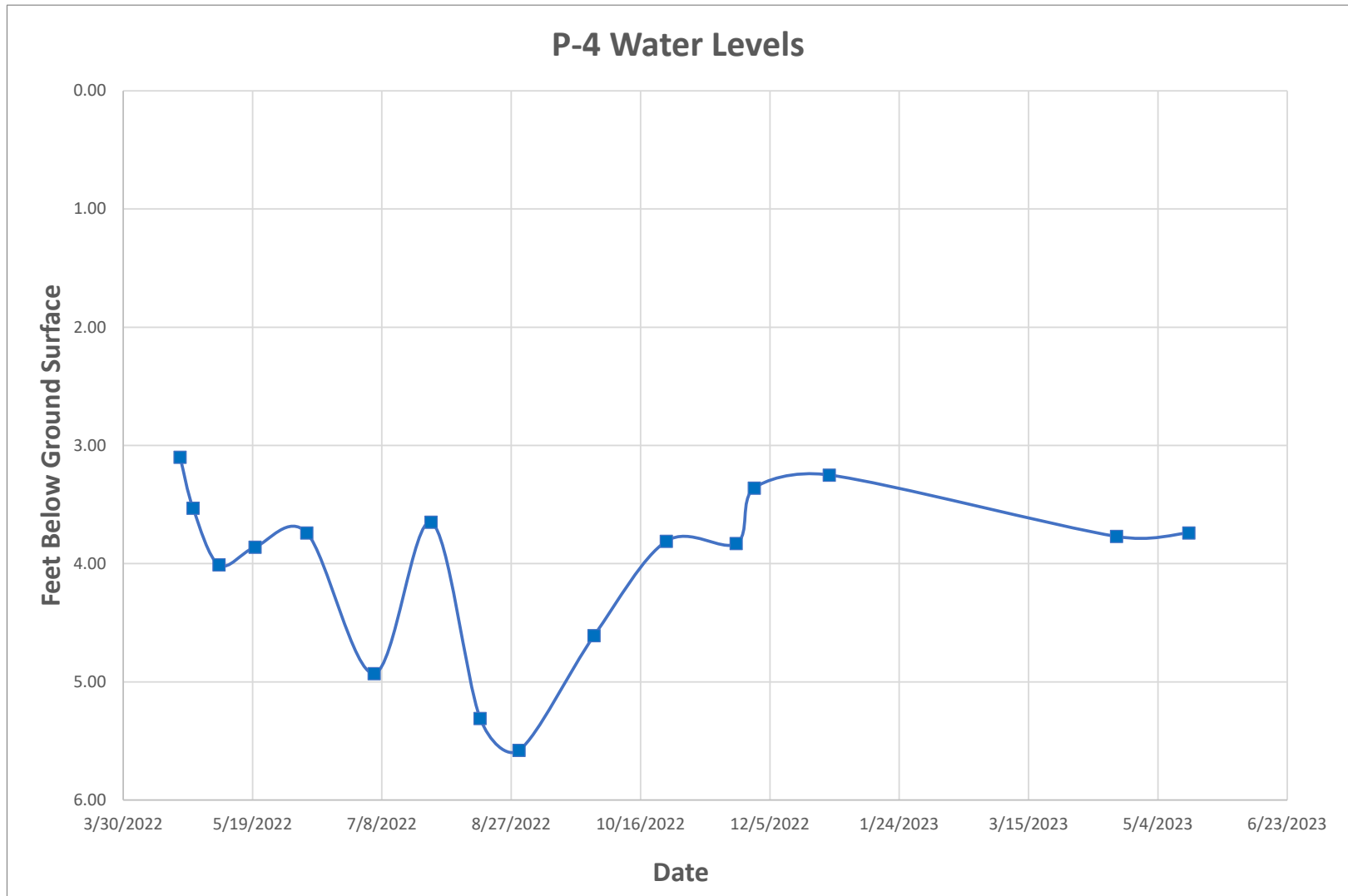
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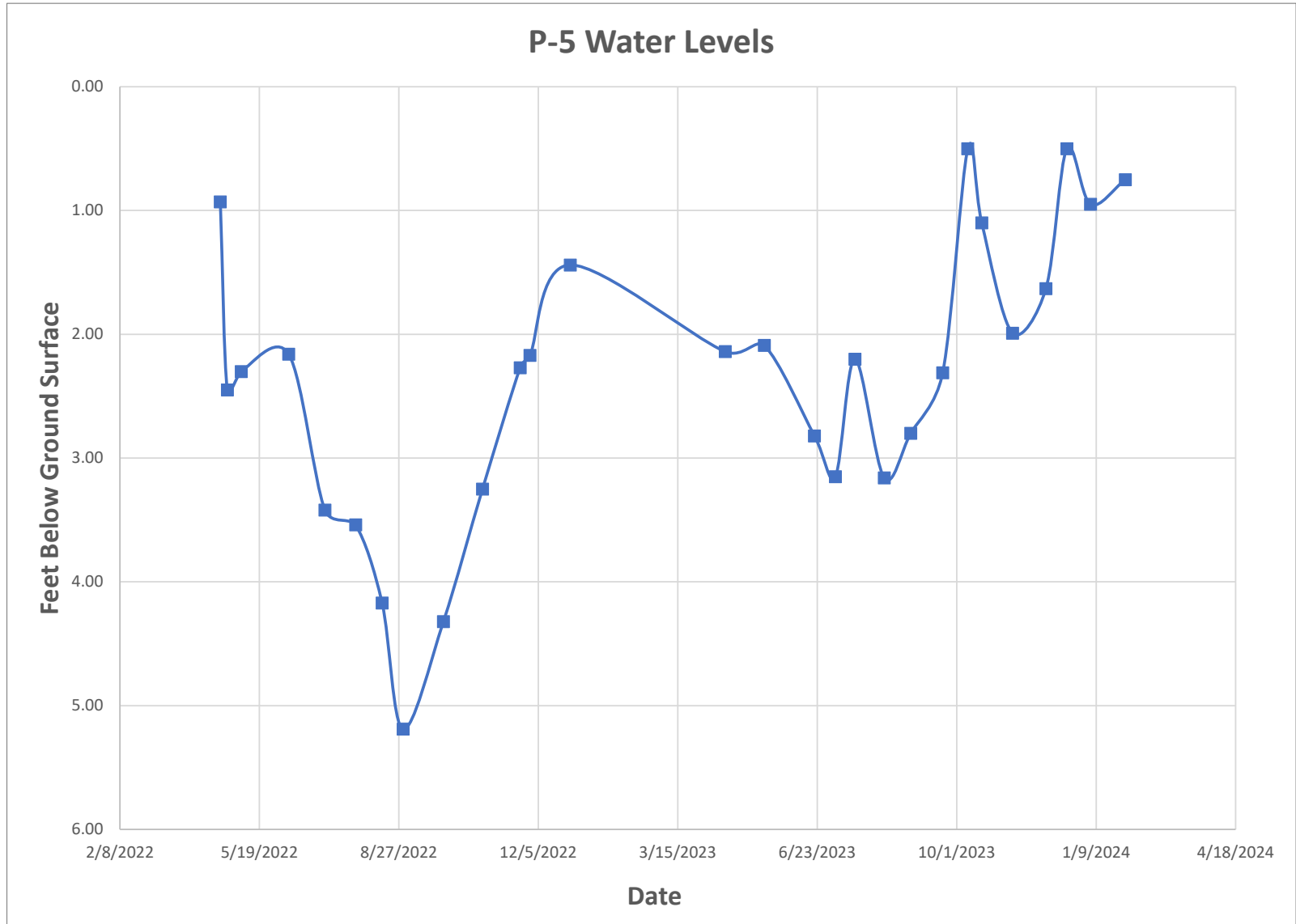
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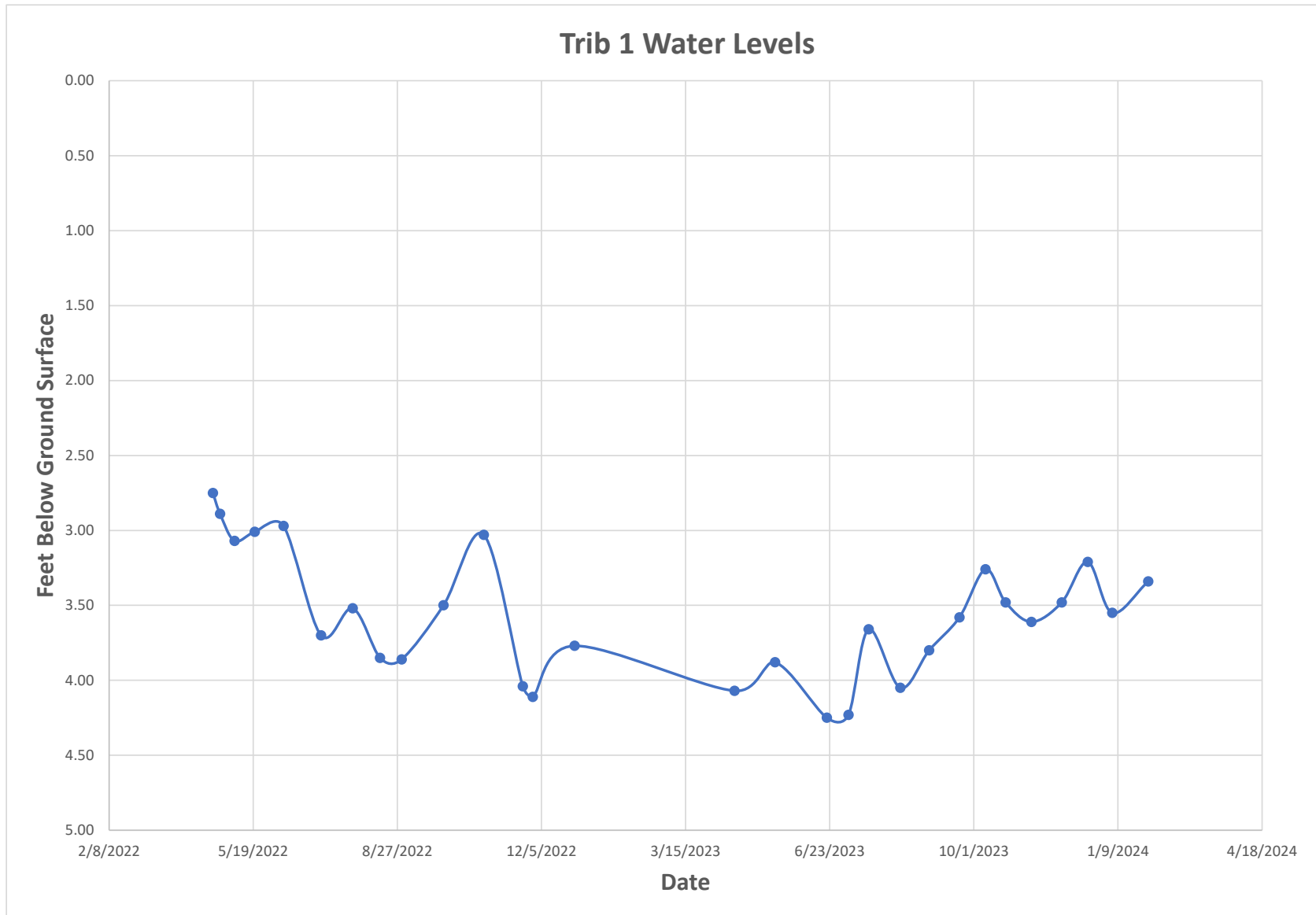
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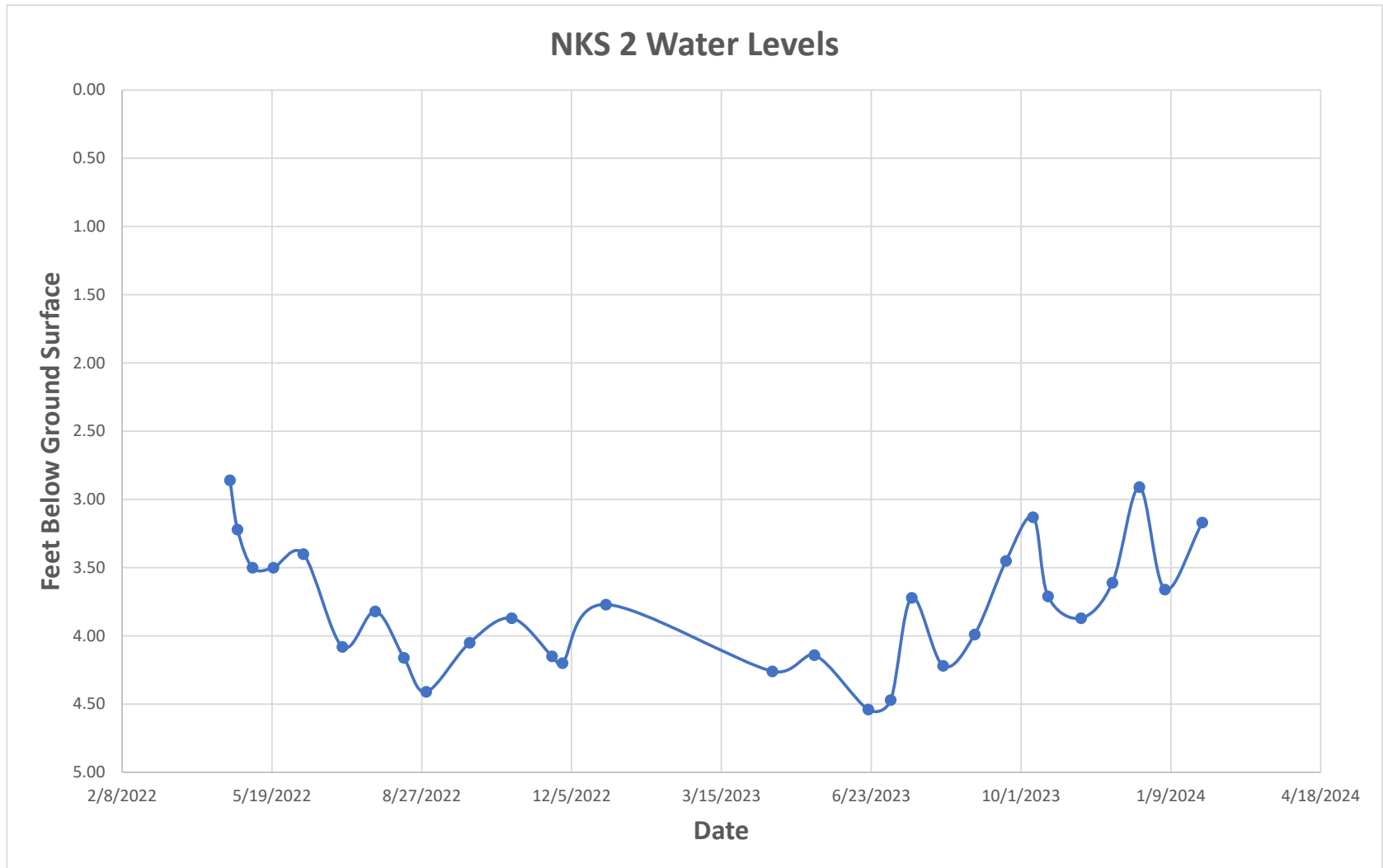
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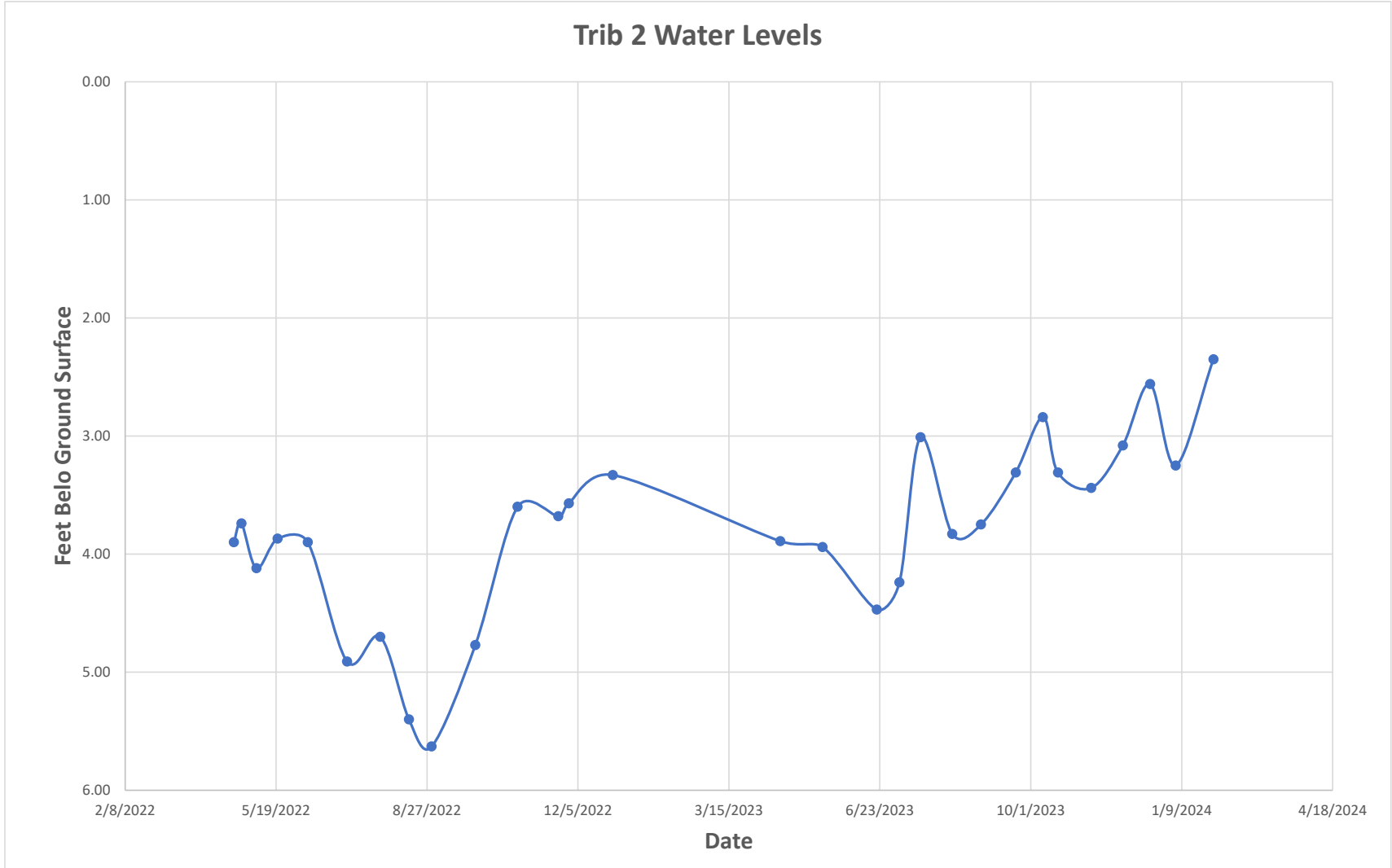
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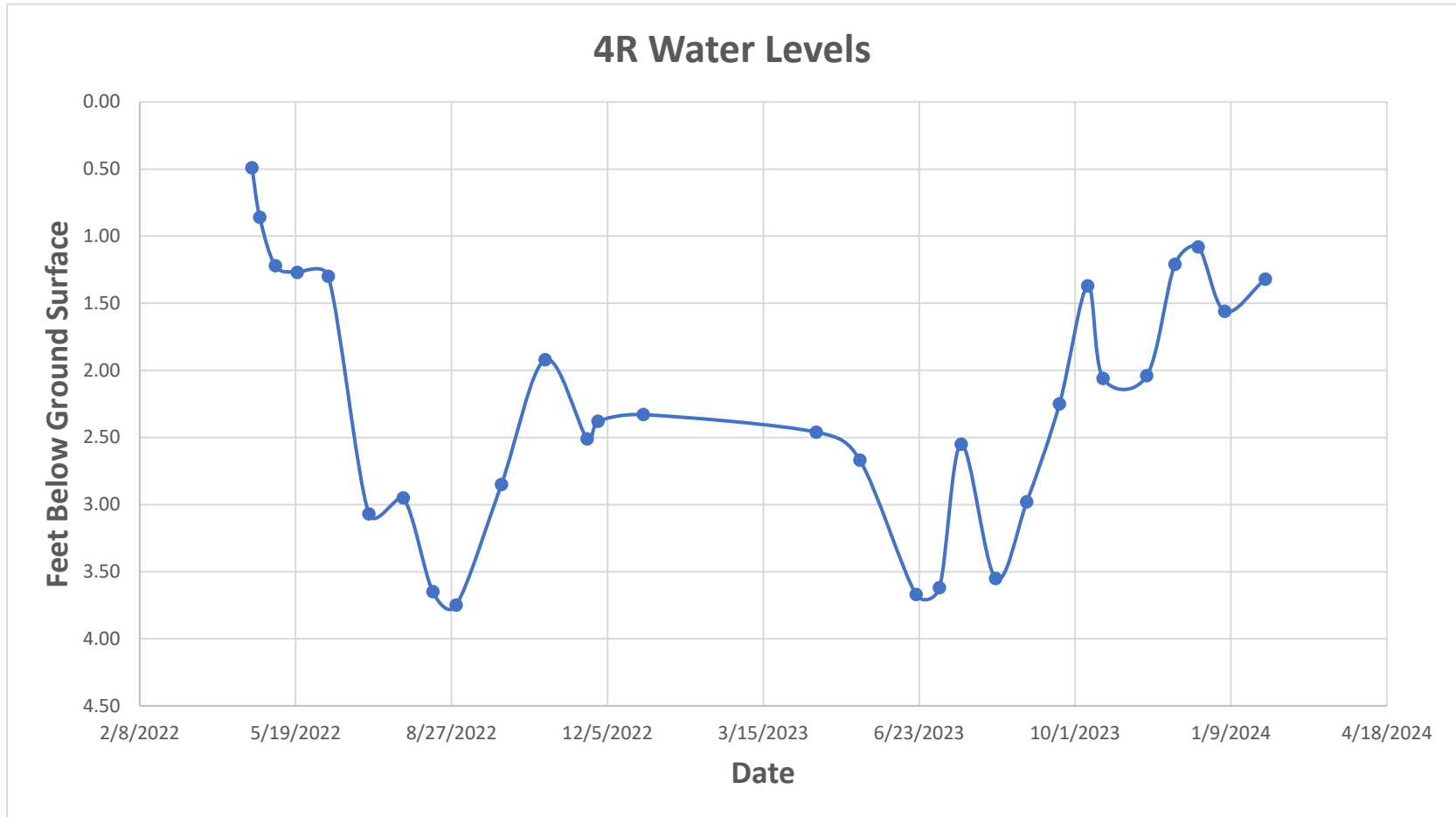
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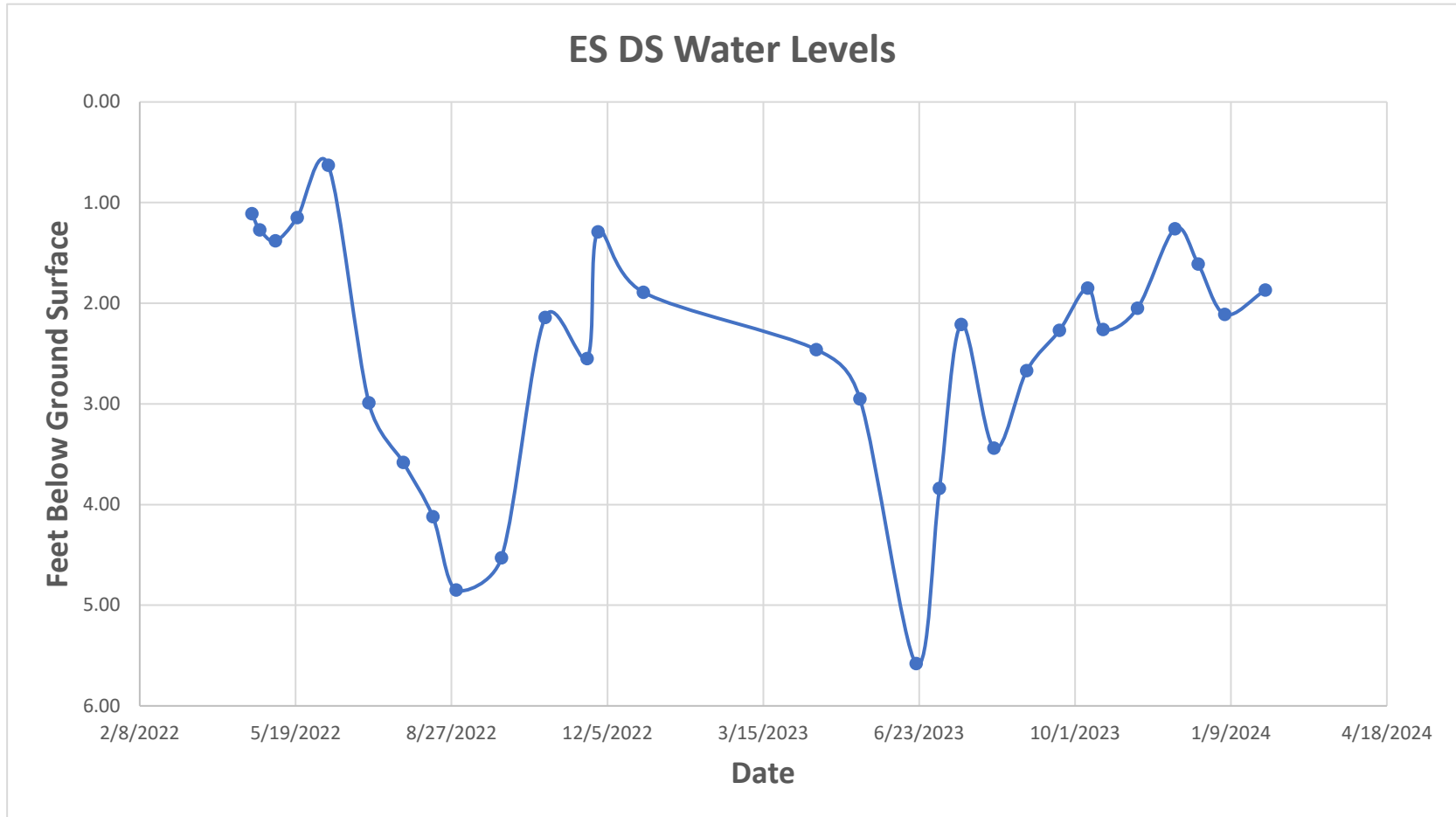
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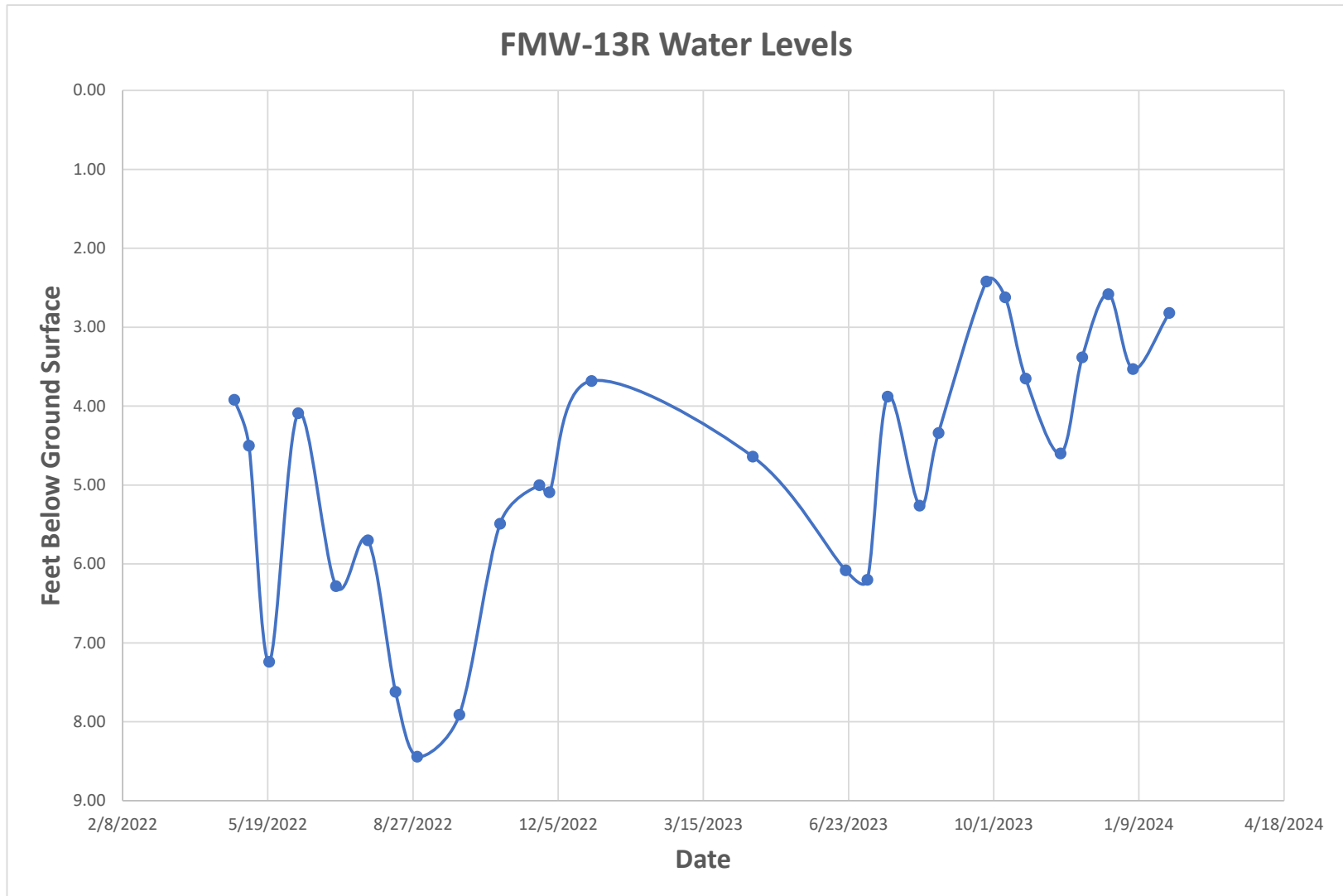
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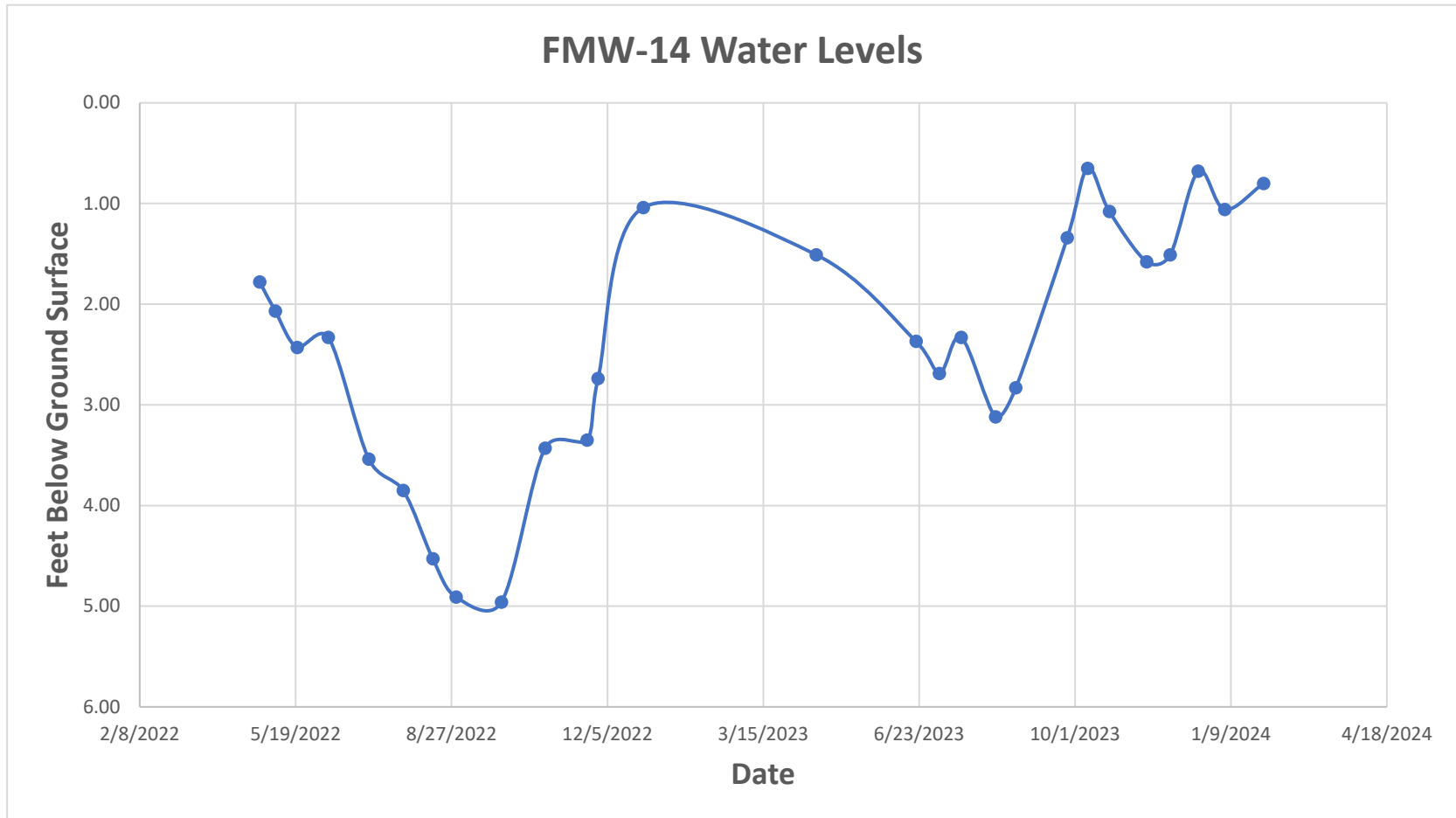
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Westchester County Airport



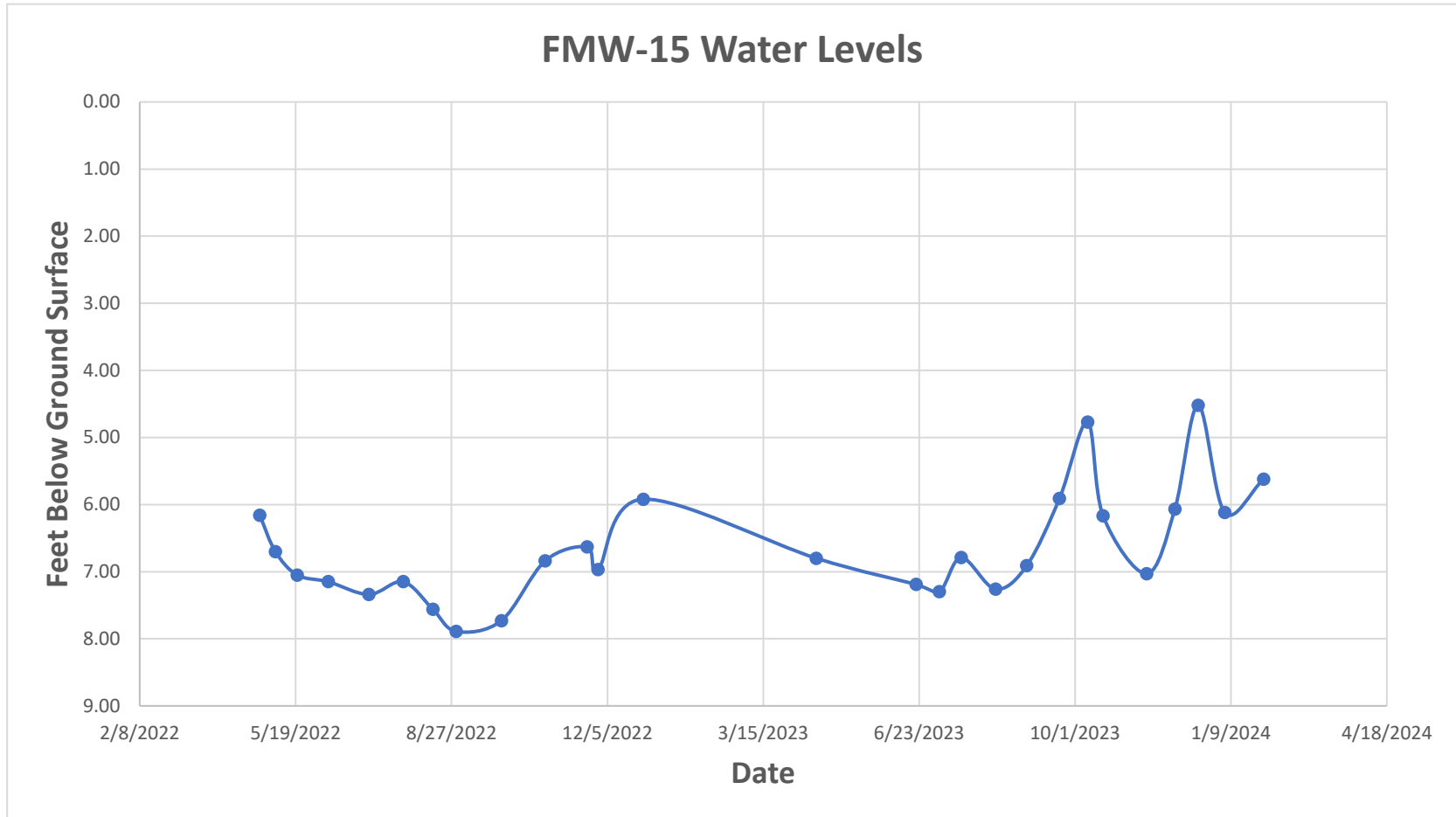
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Monitoring Well Hydrographs
Westchester County Airport



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