

Via: Electronic Mail

March 8, 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**  
**February - March 2024 Monthly Progress Report**  
**Westchester County Airport**  
**240 Airport Road**  
**Harrison, New York 10604**

Dear Ms. White:

## **Actions Taken/Accomplishments (February to March 2024)**

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

1. In February activities included excavation and installation of a Reduced Pressure Zone (RPZ) meter vault building on Airport Road. Further construction of the stone exterior and electrical utilities at both the Airport Road and Tower Road backflow preventer buildings also occurred in February. A minimal amount of soil and rock was screened at the beginning of February. The backflow preventer vault area on Airport Road is highlighted in red in Figure 1. 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 and the RPZ meter vault building.
2. First Environment conducted air monitoring for total organic vapors and air particulates as described in First Environment's Community Air Monitoring Plan (CAMP) during subsurface intrusive activities. 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 February 1, 12, and 14, during excavation of the RPZ meter vault building or screening of soil associated with vault construction activities.

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.

3. Triumph removed all dewatering pumps from the Airport Road and Tower Road backflow preventer buildings before backfilling the surrounding area. One dewatering pump remains at the RPZ meter vault building which has been used consistently

during the month of February. The water containing per- and polyfluoroalkyl substance (PFAS) has been collected for treatment and then discharged to the sanitary sewer.

4. GWTT serviced the treatment system vessels and filter housings, and the CONEX was returned to the site on February 12.
5. As of February 29, 2024, approximately 165,000 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 47,000 gallons as of February 29, 2024. The total amount of generated groundwater is estimated to be 212,000 gallons as of February 29, 2024.
6. On February 28, First Environment was on site to fill two 55-gallon drum containers with stormwater from the storm sewer associated with the ECT2 pilot test. A sump was used to pump water directly from MH-7006 into the drums. These drums were shipped to an ECT2 lab via Fed Ex Freight to complete a bench scale test. Once the evaluation is completed those findings will be shared with the County, Airport, and NYSDEC.
7. On February 28, First Environment collected a composite waste class sample from the two 55-gallon drums and one 5-gallon bucket of spent granular activated carbon (GAC) media associated with the ECT2 pilot test. This sample will be analyzed for target compounds to develop a waste profile for disposal.
8. Continued the update of Electronic Data Deliverables (EDDs). To date, 12 EDDs have been accepted by the NYSDEC during February.

## February to March 2024 Planned Activities

1. First Environment will submit the approved RIWP addressing requested modifications in the second week of March.
2. On March 13, First Environment will perform the scheduled performance groundwater sampling event to assess the continued reduction of PFOS and PFOA downgradient to the location of the Plume Stop injection of activated carbon permeable reactive wall. Upon receipt of laboratory data, the data analysis will be summarized in the next monthly report.
3. ECT2 will complete the bench scale test and is expected to provide a final report at the end of April that provides the results of the bench scale and pilot test results.
4. Review and update, if necessary, subcontractors pricing for RIWP activities.
5. Obtain signed access agreements for sampling at offsite properties.
6. Subsurface construction activities associated with the waterline are not anticipated in the future.

Ms. Greta White  
NYSDEC

7. Planned construction activities for March include final anchoring of the RPZ meter vault on the foundation slab, backfilling the excavation area, and roof framing at both the Airport Road and Tower Road backflow preventer buildings. 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.
8. 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.
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. At this time First Environment does not anticipate any further soil proposed for off-site transport/disposal.
11. Westchester County Department of Public Works and Transportation (WCDPWT) is seeking an additional quote to repair the storm sewer leading to outfall 7 where groundwater was observed leaking into the storm sewer. WCDPWT expects to have the quote to repair the leaks in the next 30 days and plans to have the lowest bidder perform the work in the early summer under dry conditions.
12. Continue to submit monthly progress reports in an American Disabilities Act (ADA) format to Westchester County.
13. Prepare Interim Site Management Plan.
14. Revisions and submittal of the EDDs to the NYSDEC will continue.

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

3/8/2024

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Ms. Greta White  
NYSDEC

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](#)

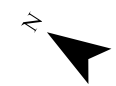
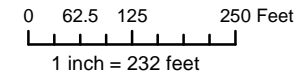
1. [Figures](#)
2. [Appendix A – Work Activity Schedule 2022-2024](#)
3. [Appendix B – Backflow Preventer Building Photo Log](#)
4. [Appendix C – Flow Data Collection Table / CAMP Air Monitoring Data / Hydrographs](#)



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

**Legend**

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



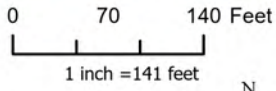
	NYSDEC SITE NO. 360174 WESTCHESTER COUNTY AIRPORT White Plains, Westchester County, New York <b>FIGURE 1</b> WATER LINE CONSTRUCTION PROGRESS			
	10 Park Place, Bldg 1A, Suite 504 Butler, NJ 07405	Revised LS	Drawn LS	Checked DL
		Date 11/9/2023		



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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### Legend

- Permanent Monitoring Well
- Temporary Monitoring Well
- Streams
- Airport Property Boundary

0 130 260 Feet

**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 <sup>rd</sup> 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 <sup>1</sup>	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 <sup>2</sup>	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.

<sup>1</sup> Assessing pilot test technology applicability..

<sup>2</sup> Start date dependent upon workplan approval.



Appendix B  
Backflow Preventer Building Photo Log  
Westchester County Airport



Photo 1 – Taken 2/28/24.  
The photo shows the construction progress of the stone exterior for the Tower Road backflow preventer building, as well as the surrounding area.

Appendix B  
Backflow Preventer Building Photo Log  
Westchester County Airport



Photo 2 – Taken 2/28/24.  
The photo shows the construction progress of the stone exterior for the Airport Road backflow preventer building, as well as the surrounding area.

Appendix B  
Backflow Preventer Building Photo Log  
Westchester County Airport



Photo 3 – Taken 2/29/24.  
The photo shows the newly installed RPZ meter vault on top of the foundation slab. In the background the Airport Road backflow preventer building is also visible.

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	Rain Gauge 1 (in)	Rain Gauge 2 (in)
2/1/2024	0.25	10-15	~	150-200*	0.52	0.00	0.00
2/12/2024	0.25	6-8	~	83.40	0.44	0.05	0.15
2/14/2024	0.25	4-6	~	~	~	0.15**	0.40**
2/29/2024	0.25	15-20	15*	200-250*	0.59	2.00**	~

\*Indicates an estimate when a measurement cannot be taken; \*\*Water in the rain gauge was partially/fully frozen

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
2/12/24 14:50	149343	130457
2/29/24 14:45	184422	165536









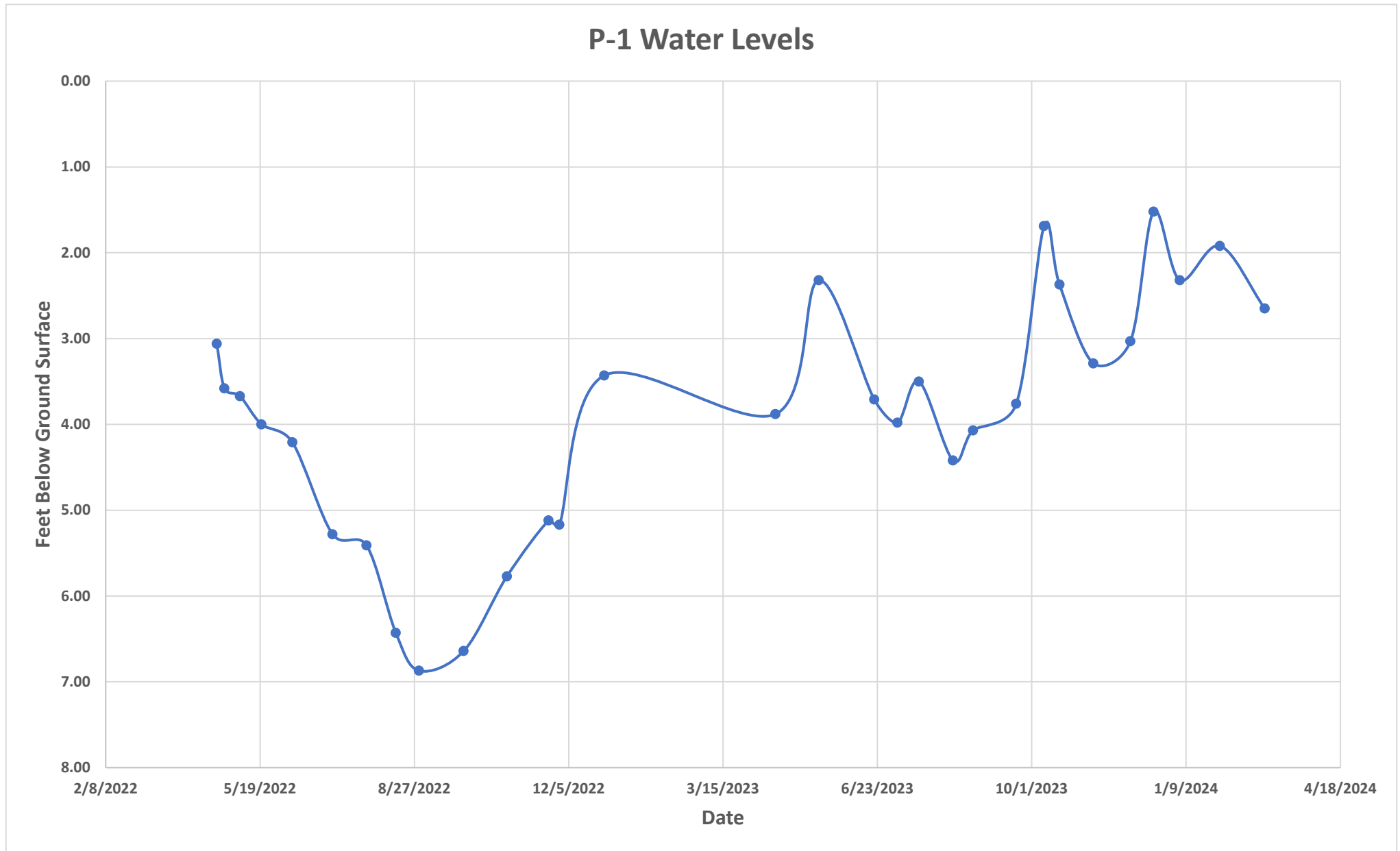


Appendix C  
 CAMP Air Monitoring Data  
 Westchester County Airport

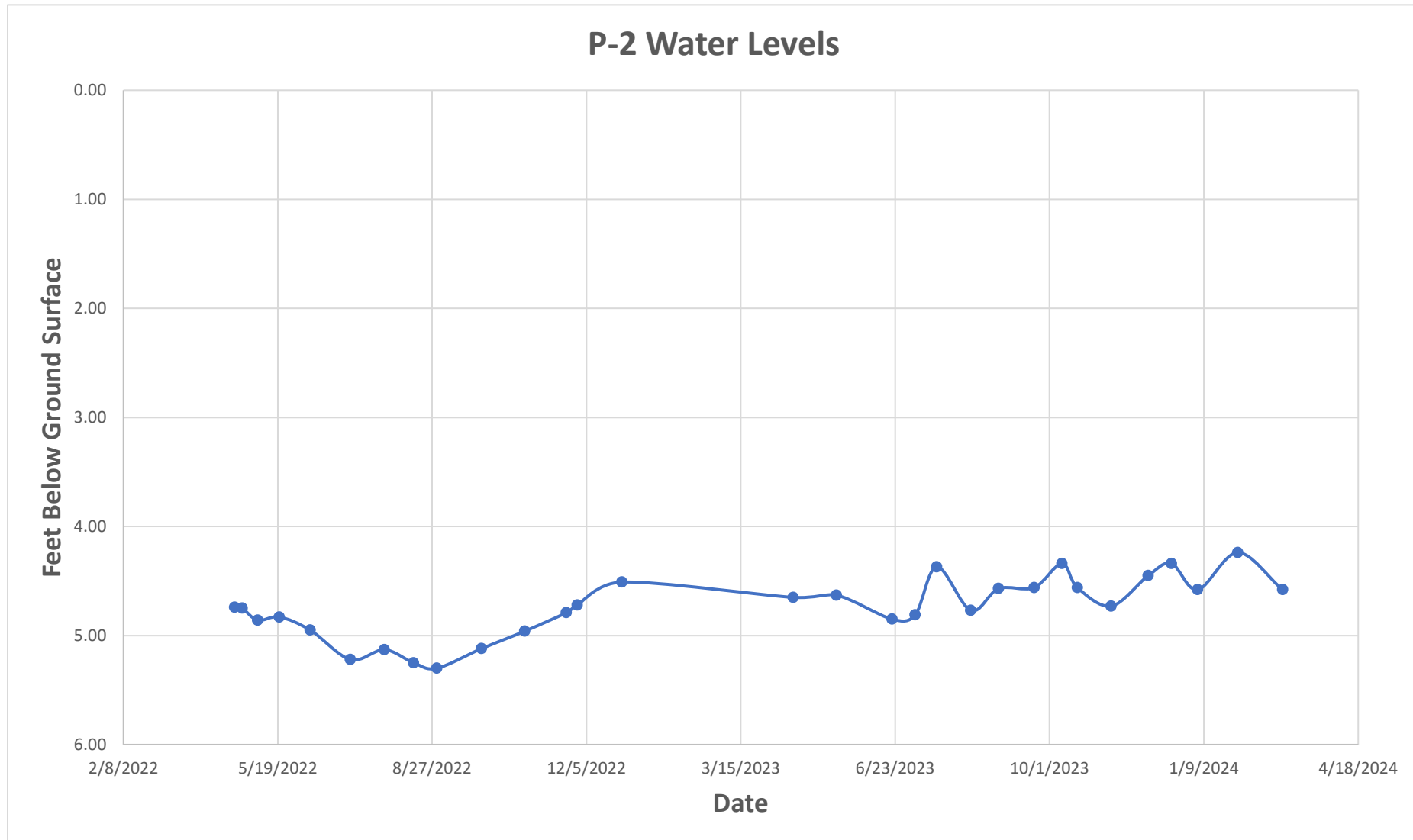
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Feb 12 2024 1:47:00 PM	0.01	0.008
Feb 12 2024 1:48:00 PM	0.01	0.009
Feb 12 2024 1:49:00 PM	0.01	0.007
Feb 12 2024 1:50:00 PM	0.01	0.013
Feb 12 2024 1:51:00 PM	0.01	0.012
Feb 12 2024 1:52:00 PM	0.01	0.008
Feb 12 2024 1:53:00 PM	0.01	0.007
Feb 12 2024 1:54:00 PM	0.01	0.007
Feb 12 2024 1:55:00 PM	0.01	0.007
Feb 12 2024 1:56:00 PM	0.01	0.008
Feb 12 2024 1:57:00 PM	0.01	0.007
Feb 12 2024 1:58:00 PM	0.01	0.008
Feb 12 2024 1:59:00 PM	0.01	0.008
Feb 12 2024 2:00:00 PM	0.011	0.007
Feb 12 2024 2:01:00 PM	0.01	0.007
Feb 12 2024 2:02:00 PM	0.009	0.007
Feb 12 2024 2:03:00 PM	0.009	0.007
Feb 12 2024 2:04:00 PM	0.01	0.008
Feb 12 2024 2:05:00 PM	0.01	0.008
Feb 12 2024 2:06:00 PM	0.01	0.007
Feb 12 2024 2:07:00 PM	0.01	0.009
Feb 12 2024 2:08:00 PM	0.01	0.01
Feb 12 2024 2:09:00 PM	0.009	0.007
Feb 12 2024 2:10:00 PM	0.015	0.009
Feb 12 2024 2:11:00 PM	0.011	0.013
Feb 12 2024 2:12:00 PM	0.01	0.009
Feb 12 2024 2:13:00 PM	0.011	0.008
Feb 12 2024 2:14:00 PM	0.022	0.007
Feb 12 2024 2:15:00 PM	0.01	0.007
Feb 12 2024 2:16:00 PM	0.01	0.007
Feb 12 2024 2:17:00 PM	0.01	0.007
Feb 12 2024 2:18:00 PM	0.01	0.008
Feb 12 2024 2:19:00 PM	0.01	0.007
Feb 12 2024 2:20:00 PM	0.01	0.008
Feb 12 2024 2:21:00 PM	0.01	0.008
Feb 12 2024 2:22:00 PM	0.01	0.007
Feb 12 2024 2:23:00 PM	0.01	0.007
Feb 12 2024 2:24:00 PM	0.01	0.007
Feb 12 2024 2:25:00 PM	0.009	0.008
Feb 12 2024 2:26:00 PM	0.01	0.009
Feb 12 2024 2:27:00 PM	0.01	0.008
Feb 12 2024 2:28:00 PM	0.01	0.007
Feb 12 2024 2:29:00 PM	0.01	0.007
Feb 12 2024 2:30:00 PM	0.011	0.008
Feb 12 2024 2:31:00 PM	0.01	0.007
Feb 12 2024 2:32:00 PM	0.01	0.023
Feb 12 2024 2:33:00 PM	0.01	0.008
Feb 12 2024 2:34:00 PM	0.01	0.007
Feb 12 2024 2:35:00 PM	0.01	0.007
Feb 12 2024 2:36:00 PM	0.01	0.008
Feb 12 2024 2:37:00 PM	0.01	0.008
Feb 12 2024 2:38:00 PM	0.01	0.008
Feb 12 2024 2:39:00 PM	0.01	0.007
Feb 12 2024 2:40:00 PM	0.011	0.012

Feb 14 2024 1:36:00 PM	0	0
Feb 14 2024 1:37:00 PM	0	0
Feb 14 2024 1:38:00 PM	0	0
Feb 14 2024 1:39:00 PM	0	0
Feb 14 2024 1:40:00 PM	0	0
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Feb 14 2024 1:42:00 PM	0	0
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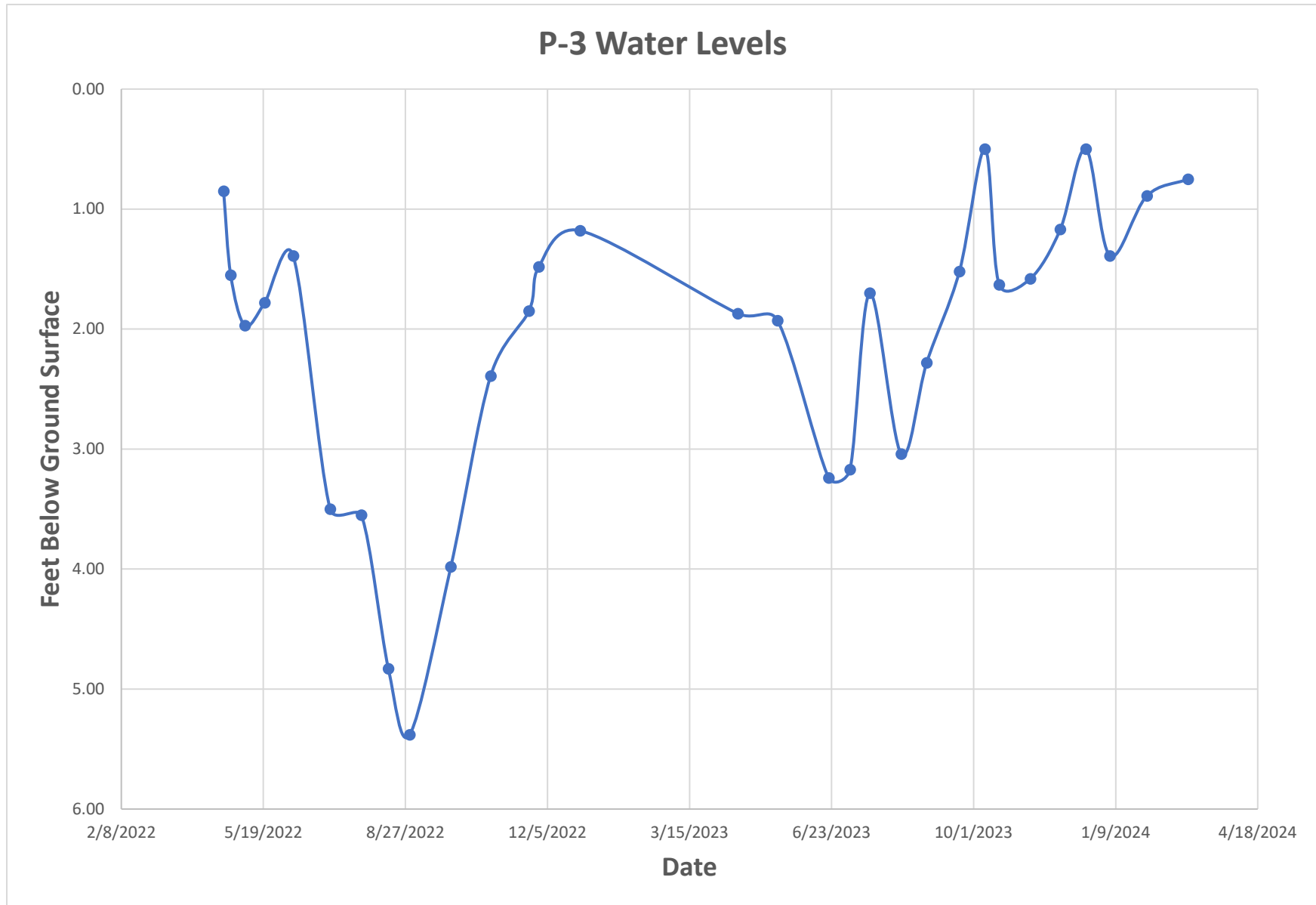
Appendix C  
Monitoring Well Hydrographs  
Westchester County Airport



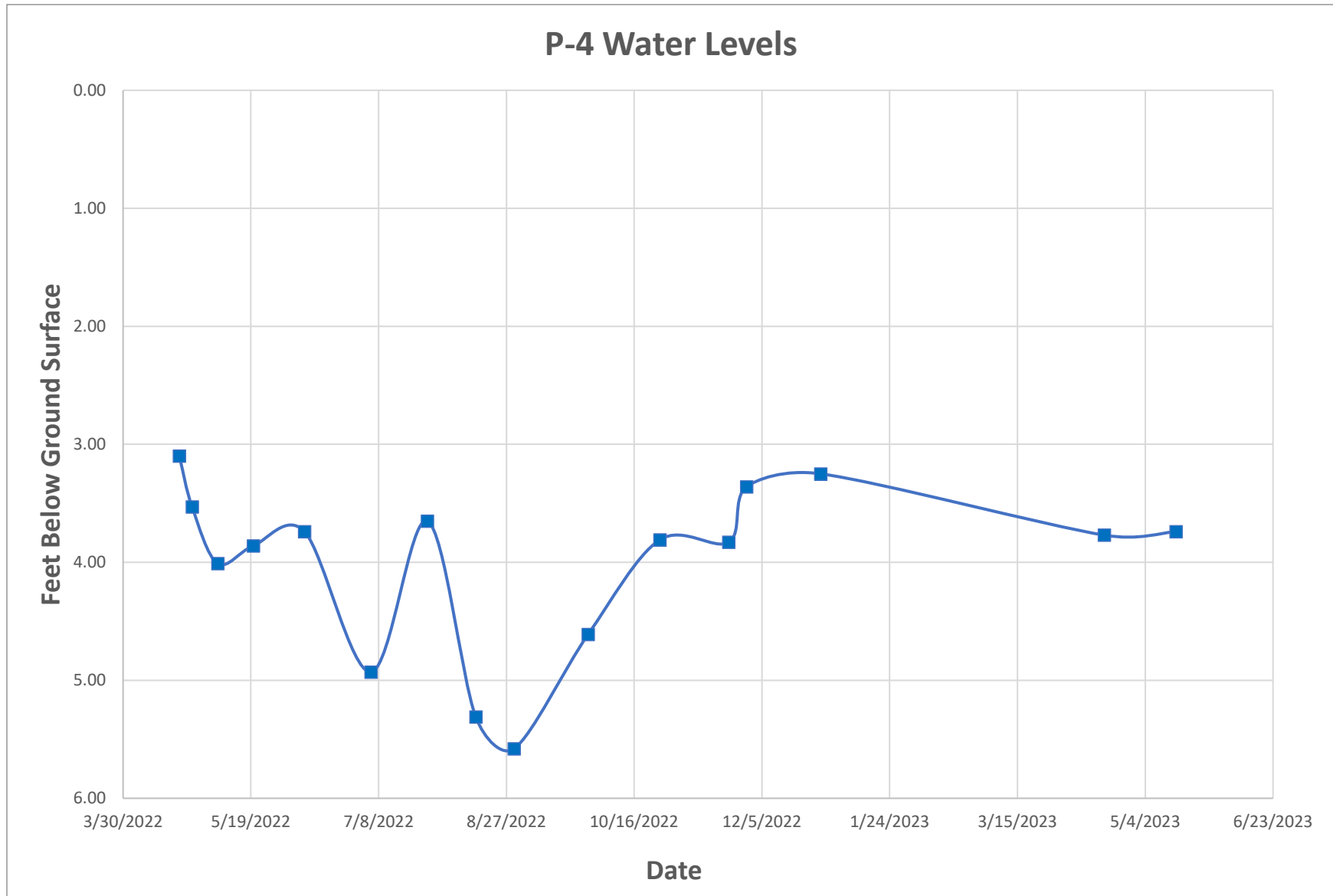
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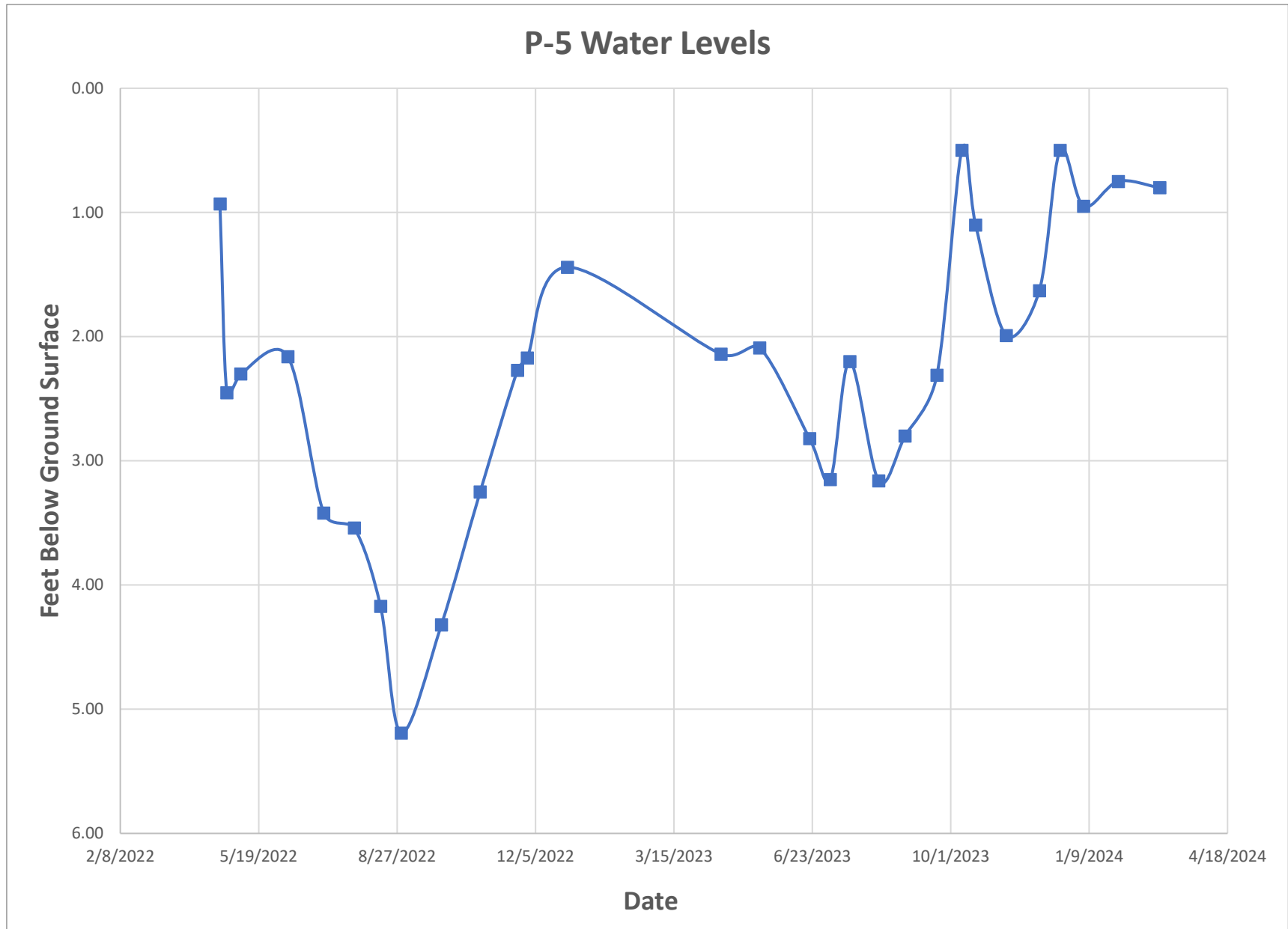
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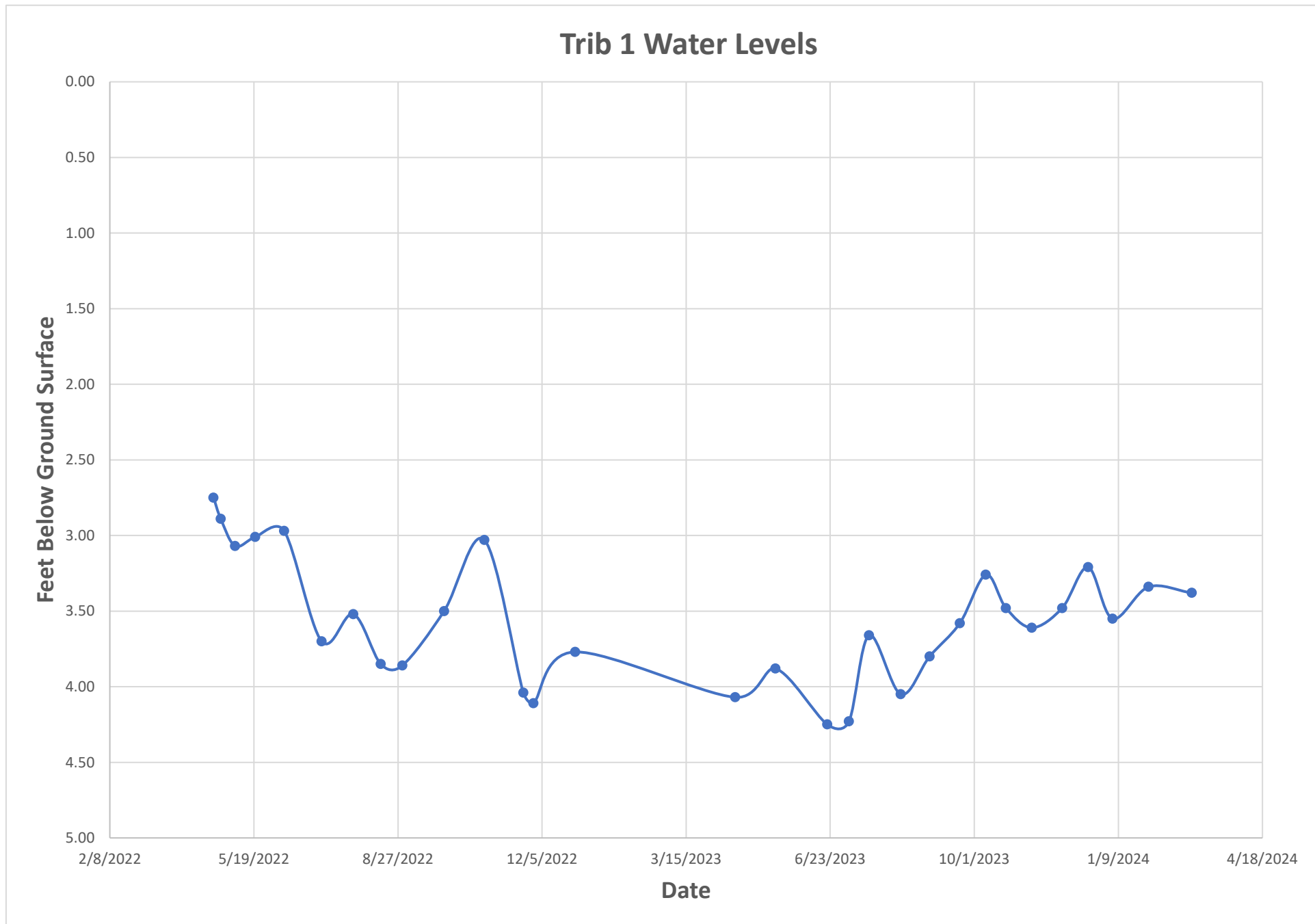
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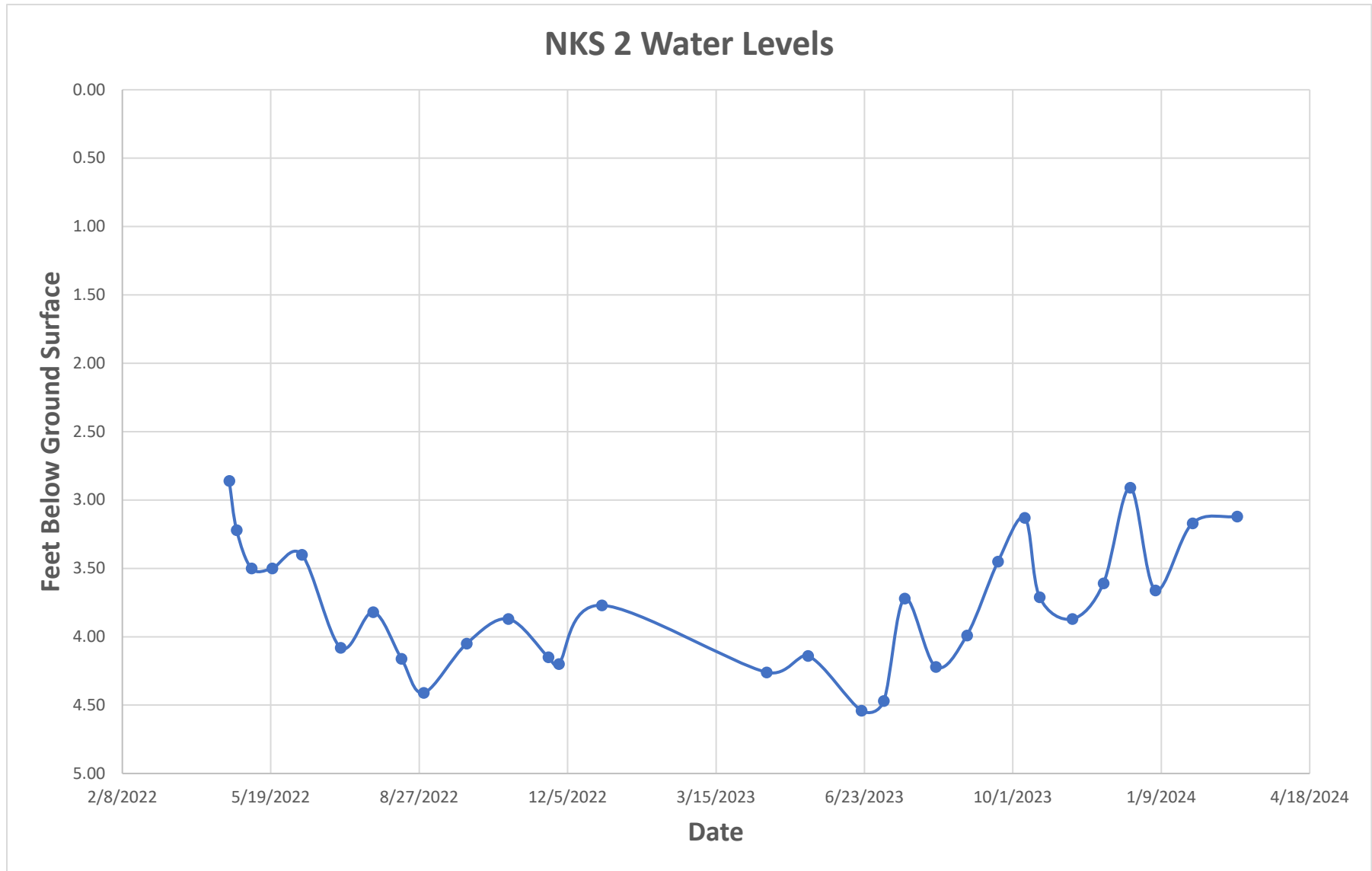


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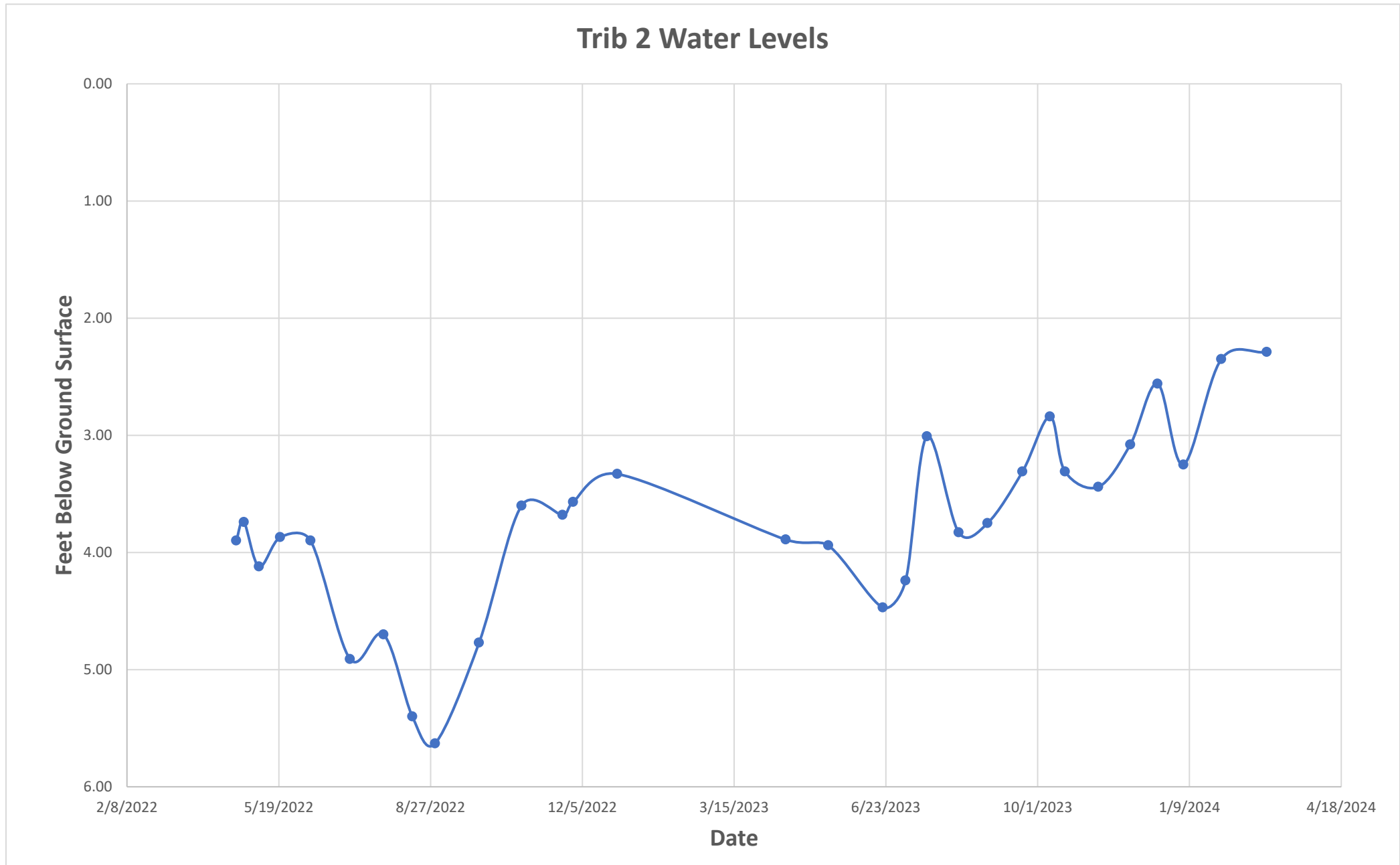




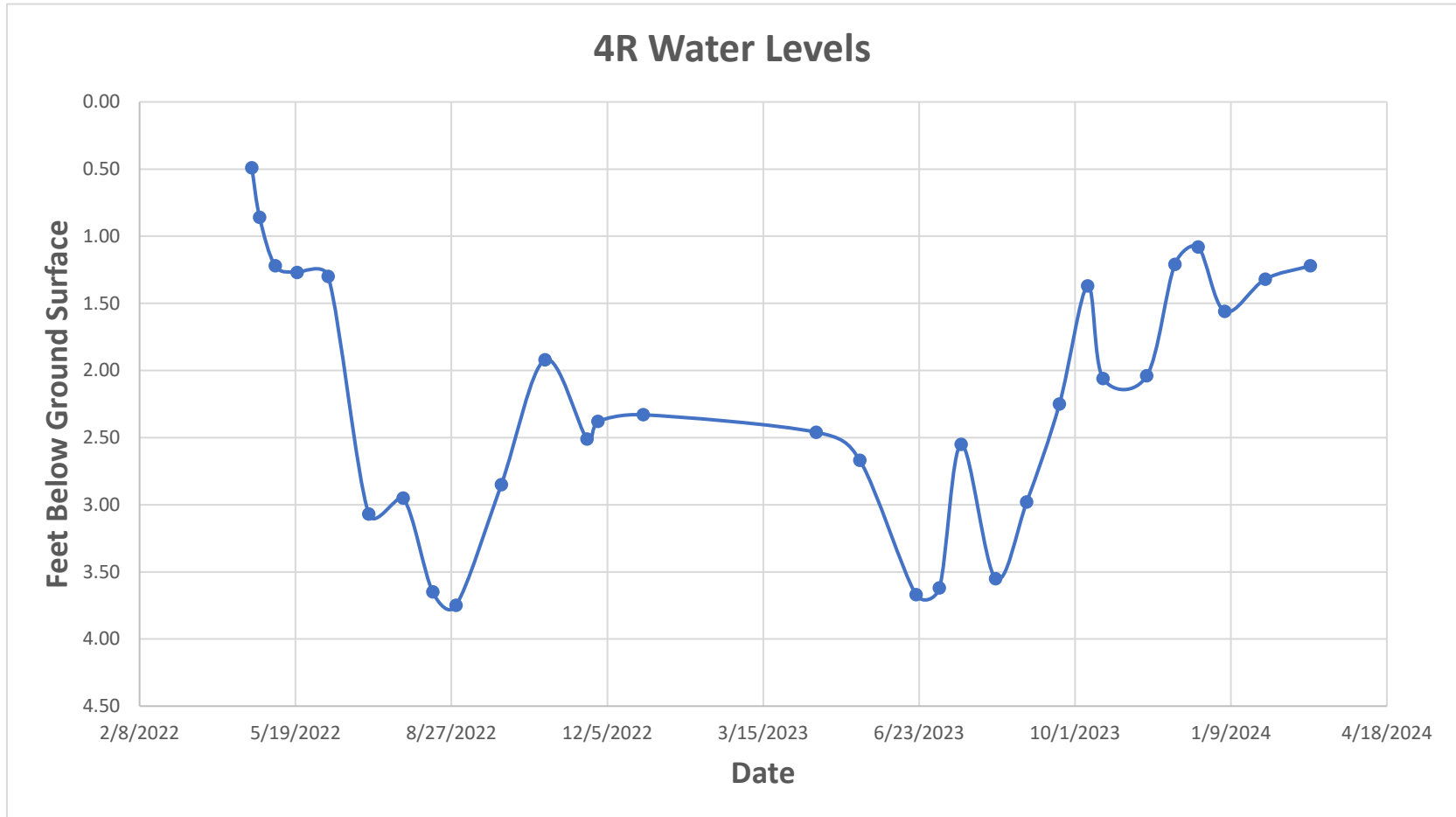
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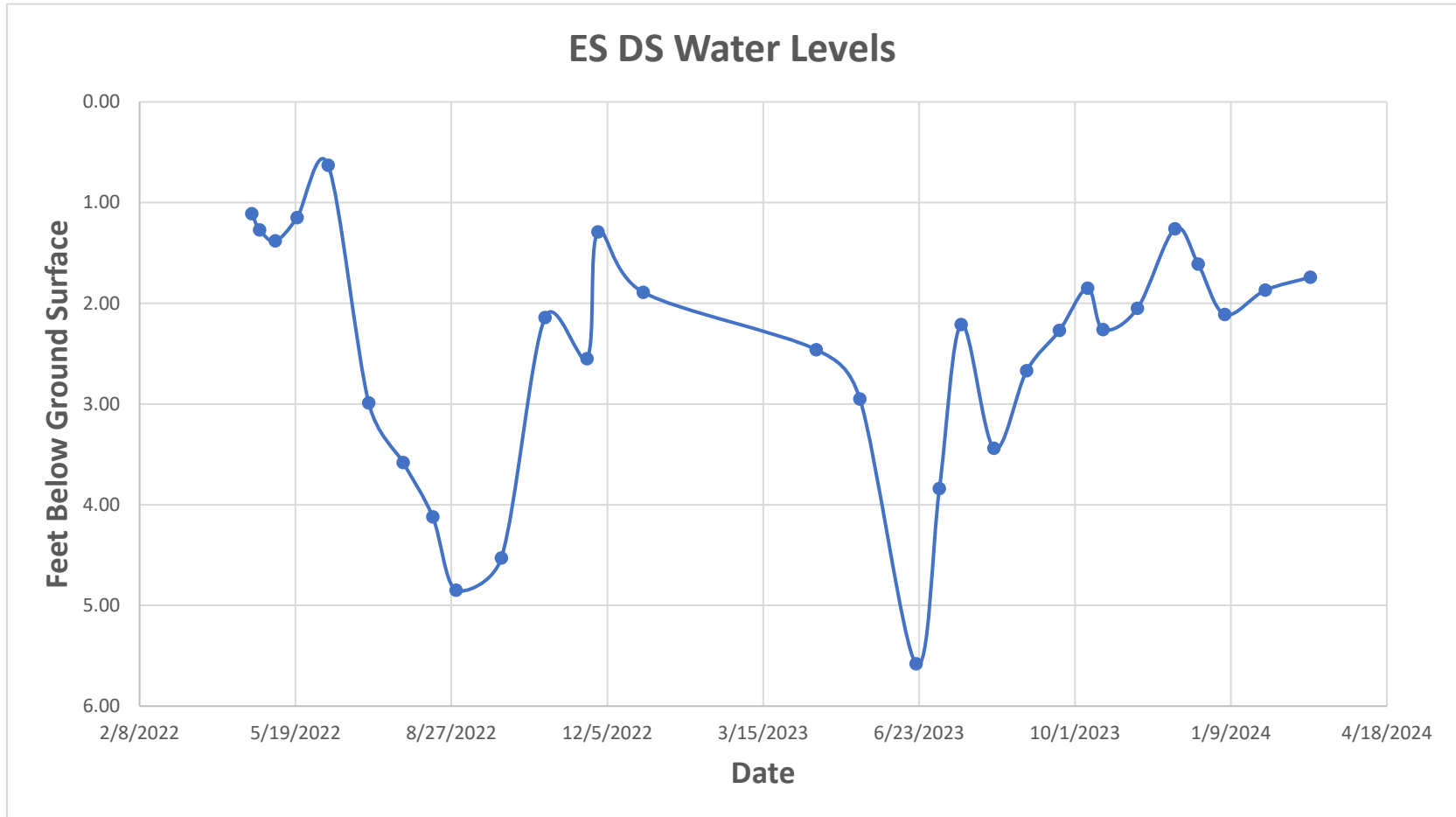
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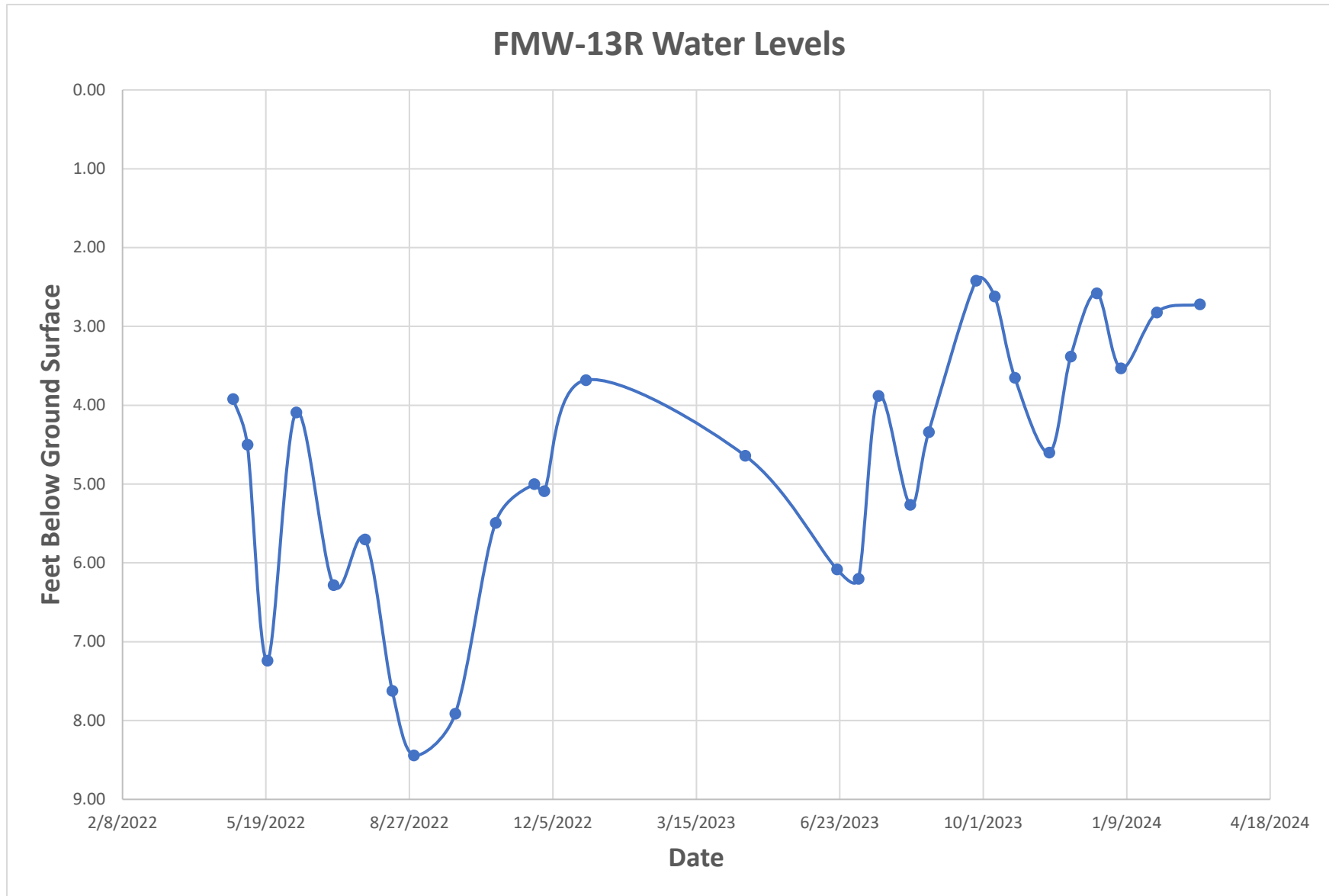
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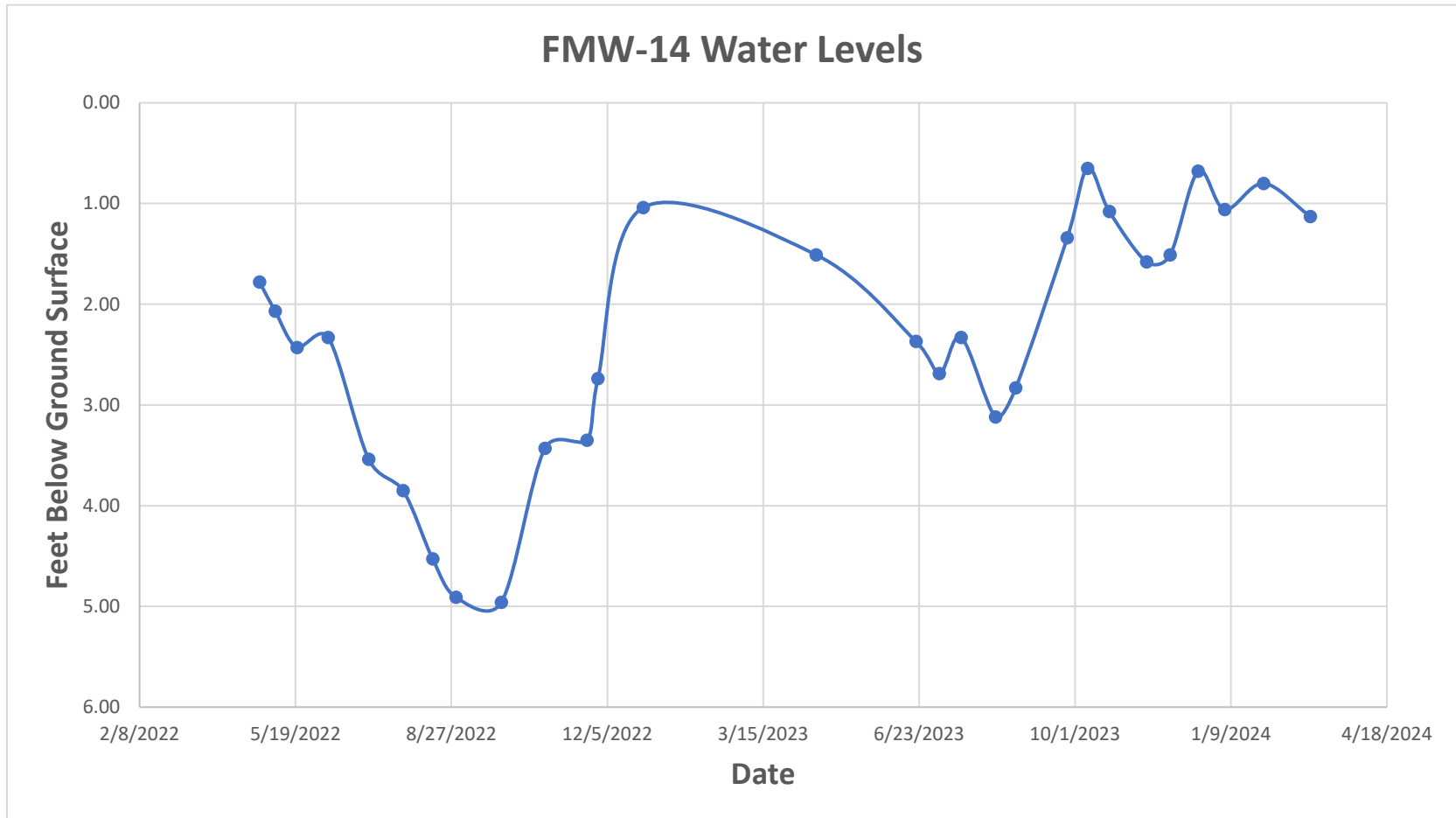
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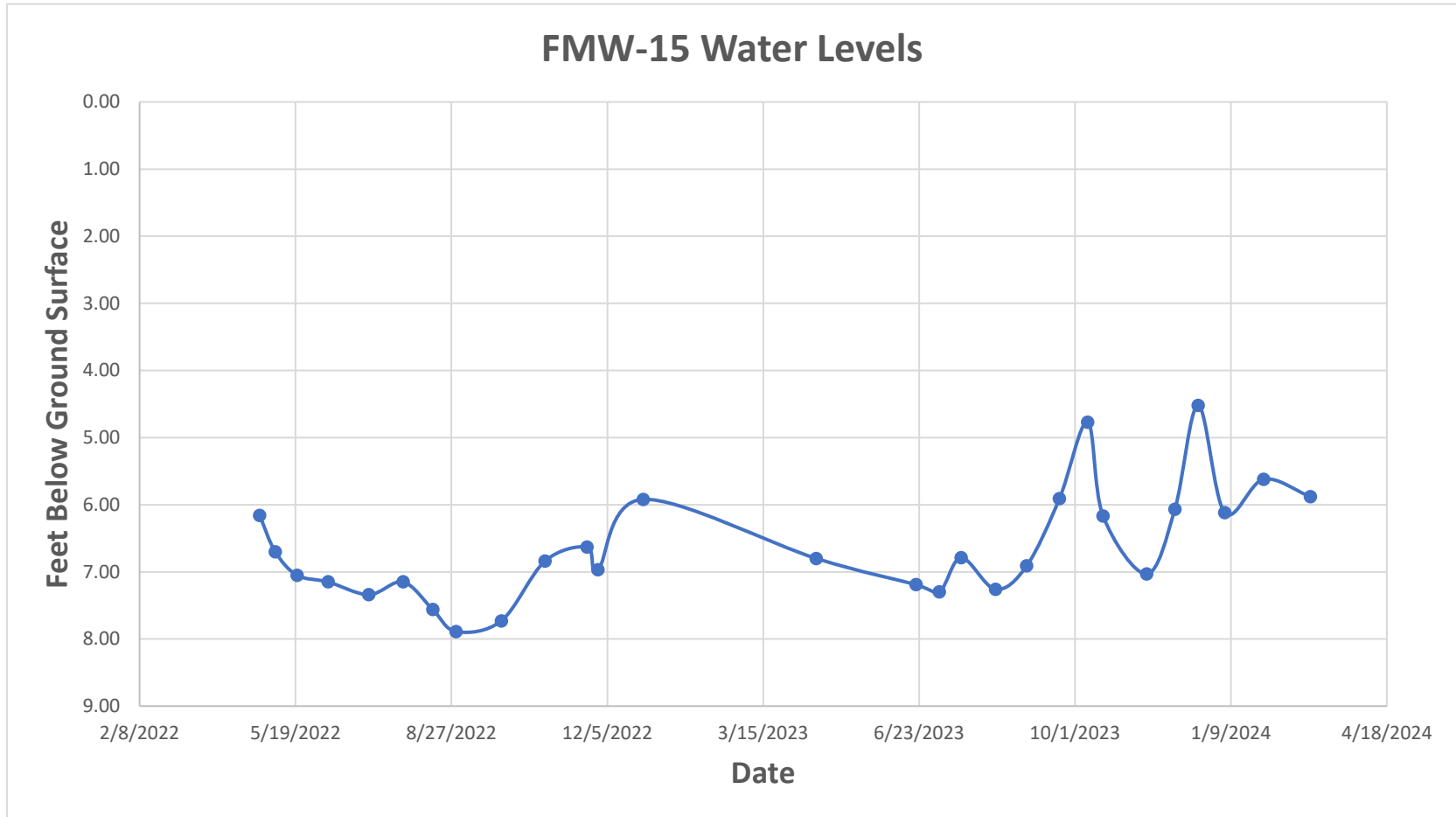
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