

Via: Electronic Mail

January 10, 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
December 2023 - January 2024 Monthly Progress Report
Westchester County Airport
240 Airport Road
Harrison, New York 10604

Dear Ms. White:

Actions Taken/Accomplishments (December 2023 to January 2024)

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

1. Construction activity for December 2023 included connecting the newly installed watermain to the backflow preventer vault, backfilling the inside of the building foundation, installing electrical conduits, and framing the foundation slab located at the Airport Road vault. The backflow preventer vault area on Airport Road is highlighted in red on Figure 1.
2. Also, on December 1, 4, and 5, Triumph mobilized to Airport Road to initiate excavation related to the backflow preventer building on Tower Road. Triumph's scope-of-work was to bring the newly installed watermain into the building before backfilling and pouring the slab floor. Activities conducted at the Tower Road vault included pouring the concrete footing, framing, and pouring the foundation walls, stubbing the watermain pipe through the foundation sleeve (to be connected to the existing watermain later), installing electrical conduits, and backfilling the inside of the building structure. The location of the Tower Road backflow preventer building is shown in Figure 2. The foundation slab for both vaults is expected to be poured in January. A photolog is included in Appendix B illustrating construction progress associated with both backflow preventer vaults.
3. During subsurface intrusive activities First Environment, Inc. (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. Figure 3 illustrates the relative location

of monitoring wells and reasonable water levels elevations in the waterline installation area. Air monitoring data collection tables, hydrographs, and air monitoring results are included in Appendix C.

4. Triumph installed two dewatering pumps in the vault excavation at Airport Road. The groundwater pumps have been operating continuously dewatering this subsurface area for construction purposes. This water containing per- and polyfluoroalkyl substance (PFAS) has been collected for treatment and then discharged to the sanitary sewer.
5. As of January 5, 2024, approximately 94,000 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 63,000 gallons as of January 5, 2024. The total amount of generated groundwater is estimated to be 157,000 gallons as of January 5, 2024. In early January, GWTT winterized the treatment system to prevent issues caused by freezing temperatures. This included insulating hose lines and installing water heaters in the pre-treatment and pre-discharge frac tanks.
6. On December 7, 2023, First Environment collected influent and effluent water samples from the GWTT treatment system. Samples were collected and analyzed for the required chemical constituents as outlined by the DEF discharge permit. Results revealed that levels of chemical constituents in the effluent groundwater were below levels specified in Westchester DEF permit.
7. The pilot test treatment system designed to reduce PFAS concentrations discharging to Outfall 7 (OF-7) was discontinued in mid-November 2023. On December 14, 2023, the ECT2 trailer was permanently demobilized from the site.
8. On November 30, 2023, First Environment collected a composite soil sample of stockpiled soil related to the watermain installation for analysis using the Synthetic Precipitation Leaching Procedure (SPLP). The purpose of the test was to assess the suitability of the soil for reuse. Sampling results were reviewed by the NYSDEC and the stockpiles were approved for off-site transport to a reuse facility.
9. Continued the update of Electronic Data Deliverables (EDDs) sample locations.

January to February 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 activity for January includes backfilling both backflow preventer buildings, installing electrical components and rebar, and pouring the concrete slabs to complete the foundation. This is simultaneously occurring at both the Airport Road and Tower Road 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.

3. Triumph will coordinate to transport approximately 800 cubic yards of stockpiled soil associated with water main excavation off-site for disposal at an accepting facility. Any further material proposed for off-site transport/disposal will require the approval by the NYSDEC. During soil loadout, First Environment will be on site to conduct air monitoring in accordance with the CAMP.
4. First Environment will coordinate with ECT2 to evaluate the OF-7 pilot test results. Once the evaluation is completed those findings will be shared with the County, Airport, and NYSDEC.
5. First Environment will continue to work with the NYSDEC to address and respond to RIWP comments.
6. Continue to submit monthly progress reports in an American Disabilities Act (ADA) format to Westchester County.
7. 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.
8. Prepare Interim Site Management Plan.
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 County Executive Director of Aviation
Francisco Tejada – Airport Manager
John Inserra - Westchester County Airport Environmental
Loren Zeitler - Westchester County

Ms. Greta White
NYSDEC

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John Benvegna - WSP
K. Thompson - NYSDEC
M. Murphy - NYSDEC
D. Bendell/D. Pollock - NYSDEC
M. Doroski – NYSDOH
K. Kulow – NYSDOH

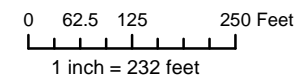
FIGURES



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

Legend

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



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

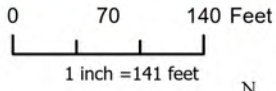
NYSDEC SITE NO. 360174 WESTCHESTER COUNTY AIRPORT White Plains, Westchester County, New York FIGURE 1 WATER LINE CONSTRUCTION PROGRESS			
Revised	Drawn	Checked	Approved
Date	LS	DL	SG
11/9/2023			



New York State, State of Connecticut, Maxar, Microsoft

Legend

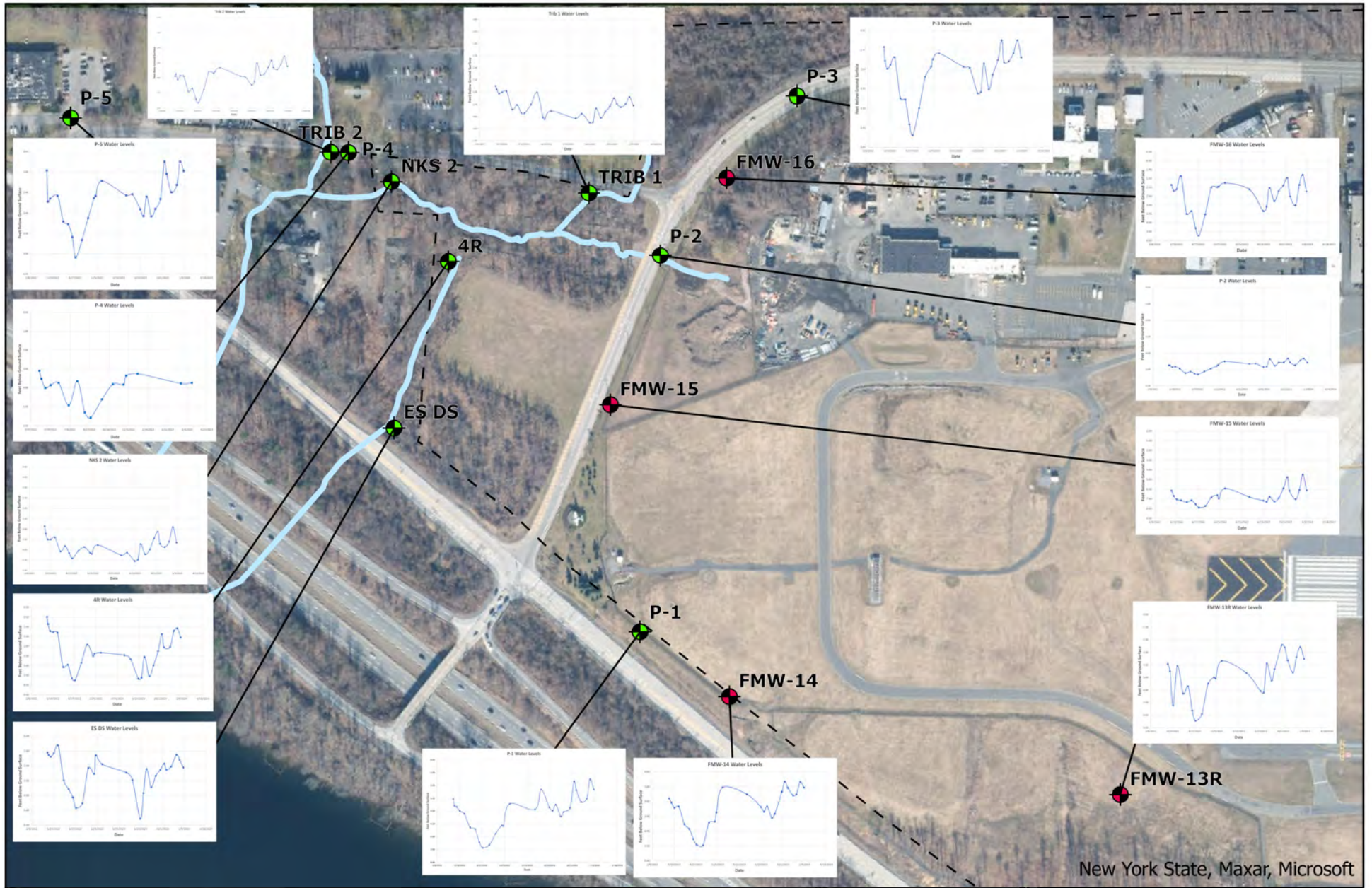
- Backflow Preventer Building
- Airport Property Boundary



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

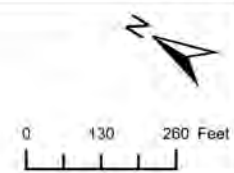
Revised	Drawn DOL	Checked	Approved	Date 1/2/2024
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New York State, Maxar, Microsoft

Legend

- Permanent Monitoring Well
- Temporary Monitoring Well
- Stream
- 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 3
MONITORING WELL HYDROGRAPHS

Revised	Drawn	Checked	Approved	Date
	DOL			1/8/2024

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	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	Winter 2023	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 2024	0%
Remedial Investigation Report	Summer 2024	0%
Remedial Action Alternatives Evaluation	2023-2024	0%
Interim Site Management Plan	Spring 2024	10%
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

Appendix B
Vault Foundation Photo Log
Westchester County Airport



Photo 1 – Progress made as of 1/5/24.

The photo shows the backfilled and formed backflow preventer building on Airport Rd, ready for the foundation slab to be poured.



Photo 2 – Taken 1/5/24.

Shows the progress made on the Tower Road backflow preventer building. Pictured is the installation of electrical conduits and backfilling of the backflow preventer building.

Appendix B
Vault Foundation Photo Log
Westchester County Airport



Photo 3 – Taken 1/5/24.

Pictured are the GWTT treatment system tanks after being winterized. The hose lines running between tanks have been insulated and water heaters were installed.

APPENDIX C

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 Bucket (in)
12/1/2023	0.00	6-8	~	99.80	0.45	0.00
12/4/2023	0.00	15-20	12-16*	200-300*	0.60	1.25
12/5/2023	0.25	12-16	8-12*	150-200*	0.50	0.00
12/19/2023	0.25	30-50	12-16*	300-500*	0.67	5.25**
1/5/2024	0.00	10-15	6-8*	101.20	0.46	~

*Indicates an estimate when a measurement is unable to be taken; **Rain bucket had not been checked since 12/5

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

Appendix C
 CAMP Air Monitoring Data
 Westchester County Airport

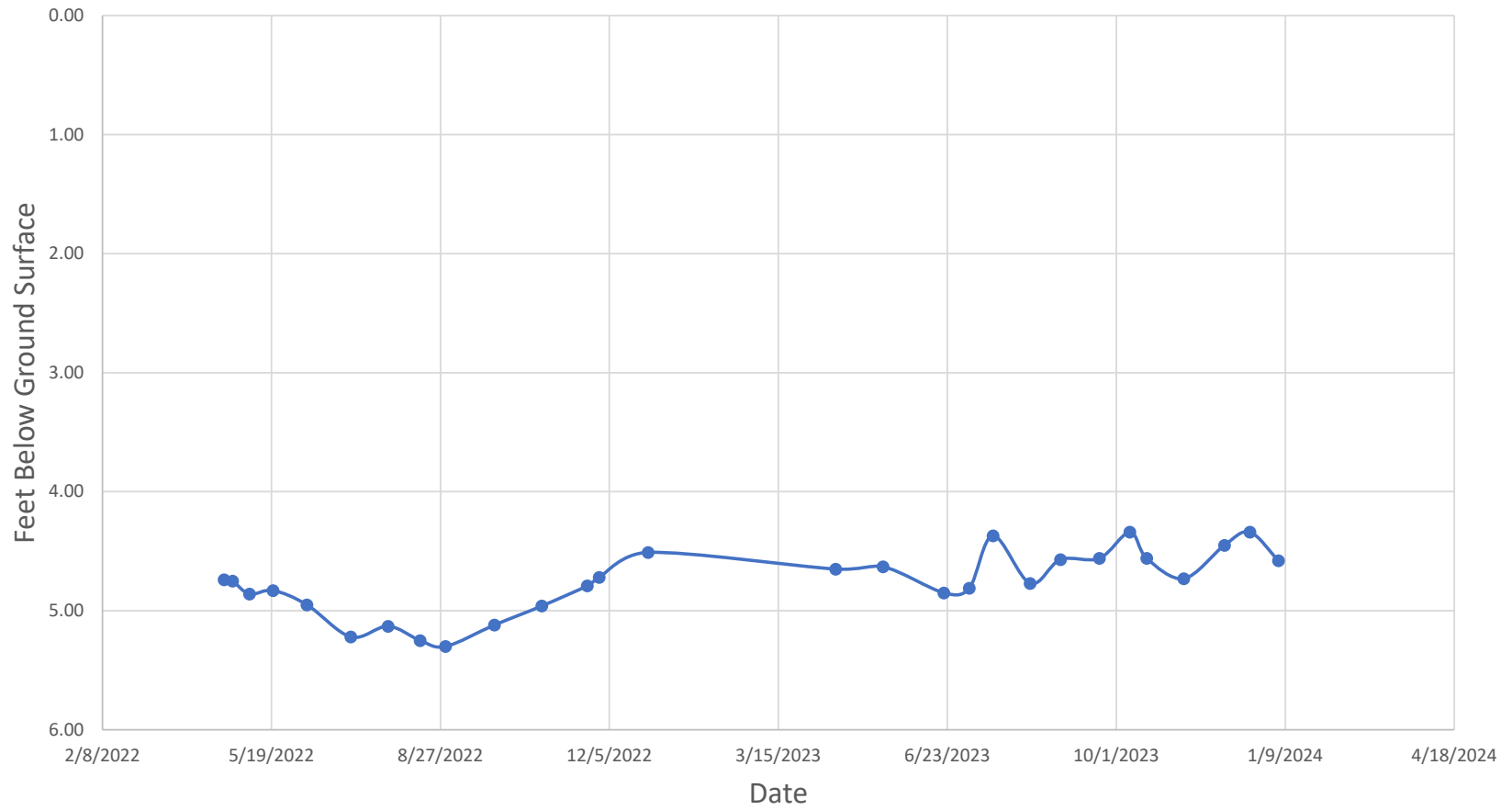
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Dec 4 2023 12:52:00 PM	0	0.015
Dec 4 2023 12:53:00 PM	0	0.011
Dec 4 2023 12:54:00 PM	0	0.009
Dec 4 2023 12:55:00 PM	0	0.017
Dec 4 2023 12:56:00 PM	0	0.012
Dec 4 2023 12:57:00 PM	0	0.009
Dec 4 2023 12:58:00 PM	0	0.01
Dec 4 2023 12:59:00 PM	0	0.01
Dec 4 2023 1:00:00 PM	0	0.013
Dec 4 2023 1:01:00 PM	0	0.009
Dec 4 2023 1:02:00 PM	0	0.011
Dec 4 2023 1:03:00 PM	0	0.012
Dec 4 2023 1:04:00 PM	0	0.009
Dec 4 2023 1:05:00 PM	0	0.009
Dec 4 2023 1:06:00 PM	0	0.01
Dec 4 2023 1:07:00 PM	0	0.008
Dec 4 2023 1:08:00 PM	0	0.008
Dec 4 2023 1:09:00 PM	0	0.01
Dec 4 2023 1:10:00 PM	0	0.011
Dec 4 2023 1:11:00 PM	0	0.011
Dec 4 2023 1:12:00 PM	0	0.01
Dec 4 2023 1:13:00 PM	0	0.012
Dec 4 2023 1:14:00 PM	0	0.016
Dec 4 2023 1:15:00 PM	0.001	0.011
Dec 4 2023 1:16:00 PM	0.004	0.023
Dec 4 2023 1:17:00 PM	0.004	0.01
Dec 4 2023 1:18:00 PM	0.004	0.009
Dec 4 2023 1:19:00 PM	0.004	0.01
Dec 4 2023 1:20:00 PM	0.004	0.01
Dec 4 2023 1:21:00 PM	0.004	0.013
Dec 4 2023 1:22:00 PM	0.004	0.01
Dec 4 2023 1:23:00 PM	0.004	0.009
Dec 4 2023 1:24:00 PM	0.004	0.009
Dec 4 2023 1:25:00 PM	0.004	0.014
Dec 4 2023 1:26:00 PM	0.004	0.01
Dec 4 2023 1:27:00 PM	0.004	0.013
Dec 4 2023 1:28:00 PM	0.004	0.017
Dec 4 2023 1:29:00 PM	0.004	0.011
Dec 4 2023 1:30:00 PM	0.004	0.01
Dec 4 2023 1:31:00 PM	0.004	0.008
Dec 4 2023 1:32:00 PM	0.004	0.009
Dec 4 2023 1:33:00 PM	0.004	0.017
Dec 4 2023 1:34:00 PM	0.004	0.009
Dec 4 2023 1:35:00 PM	0.003	0.008
Dec 4 2023 1:36:00 PM	0.003	0.012
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Dec 4 2023 1:38:00 PM	0.003	0.009
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Dec 4 2023 1:44:00 PM	0.003	0.008
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Dec 4 2023 1:54:00 PM	0.003	0.008
Dec 4 2023 1:55:00 PM	0.004	0.01

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Dec 5 2023 12:53:00 PM	0.002	0.008
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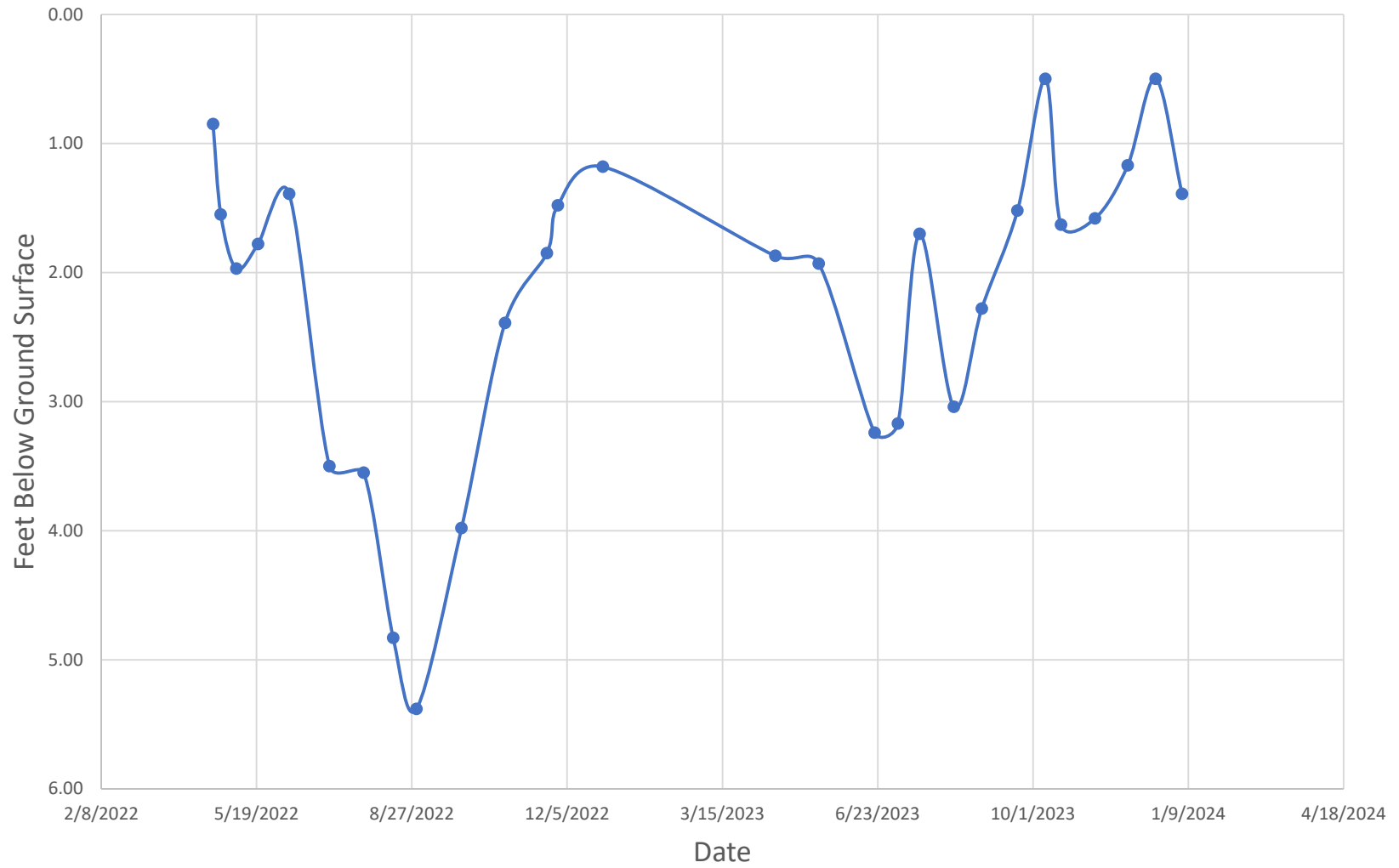
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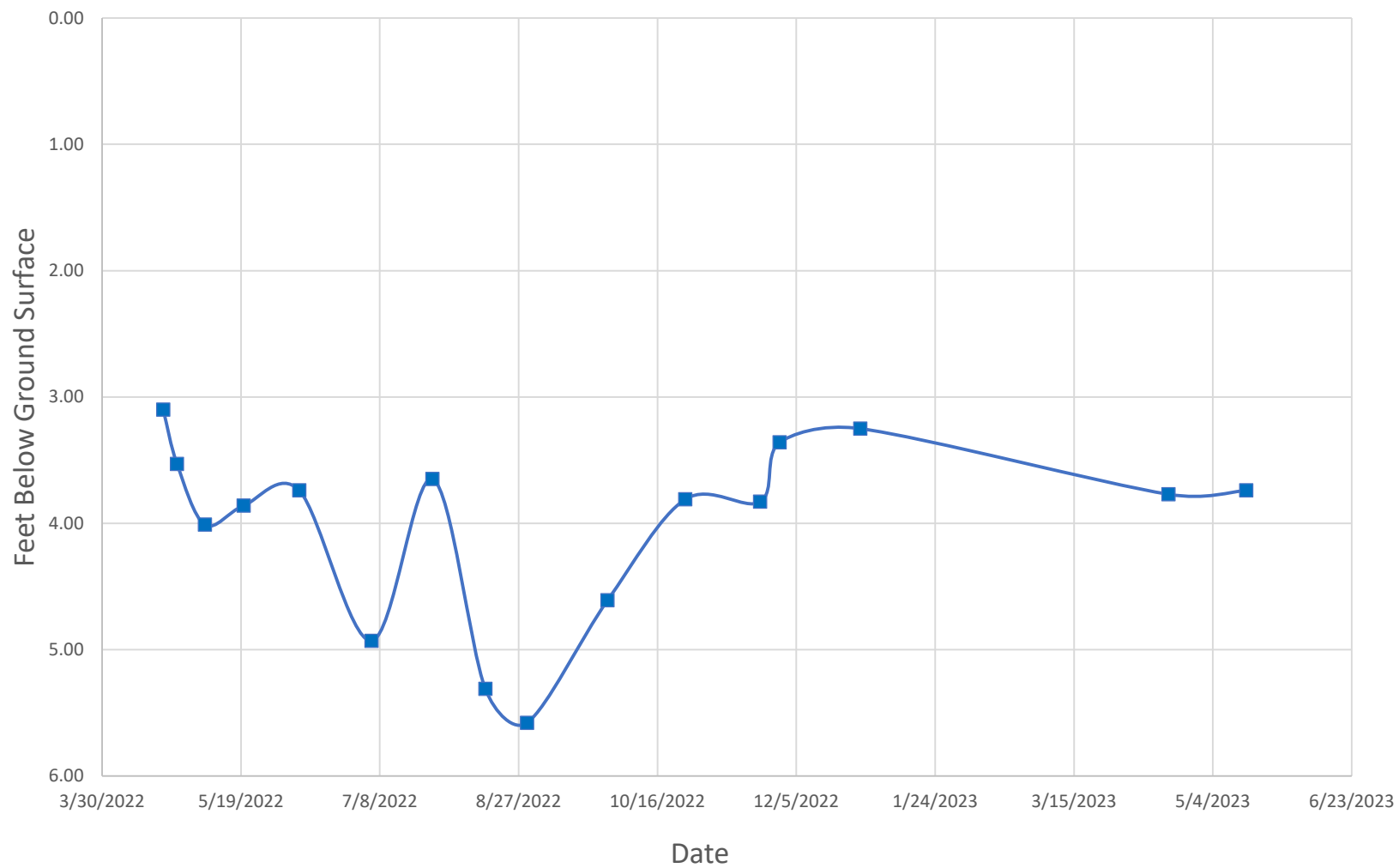
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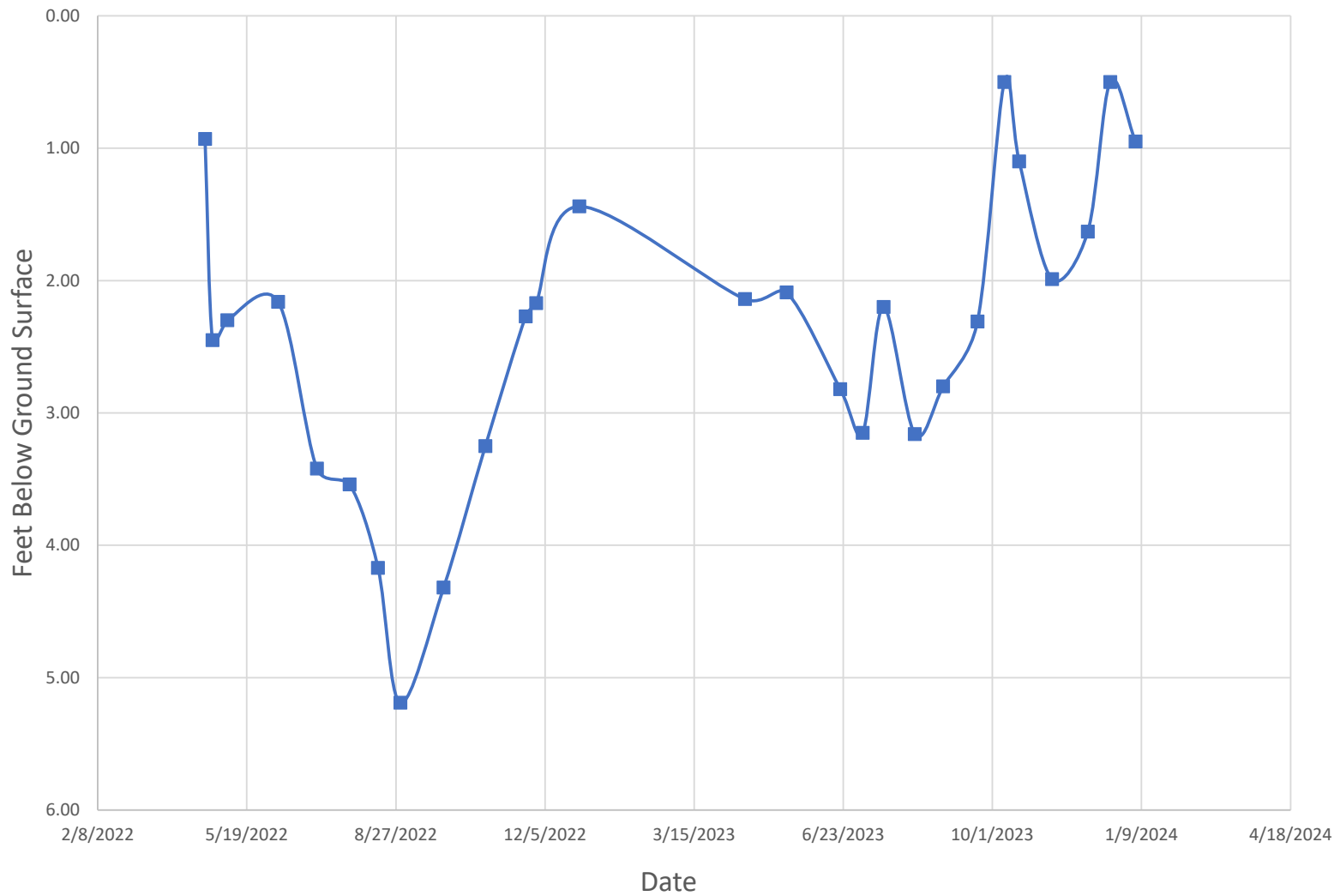
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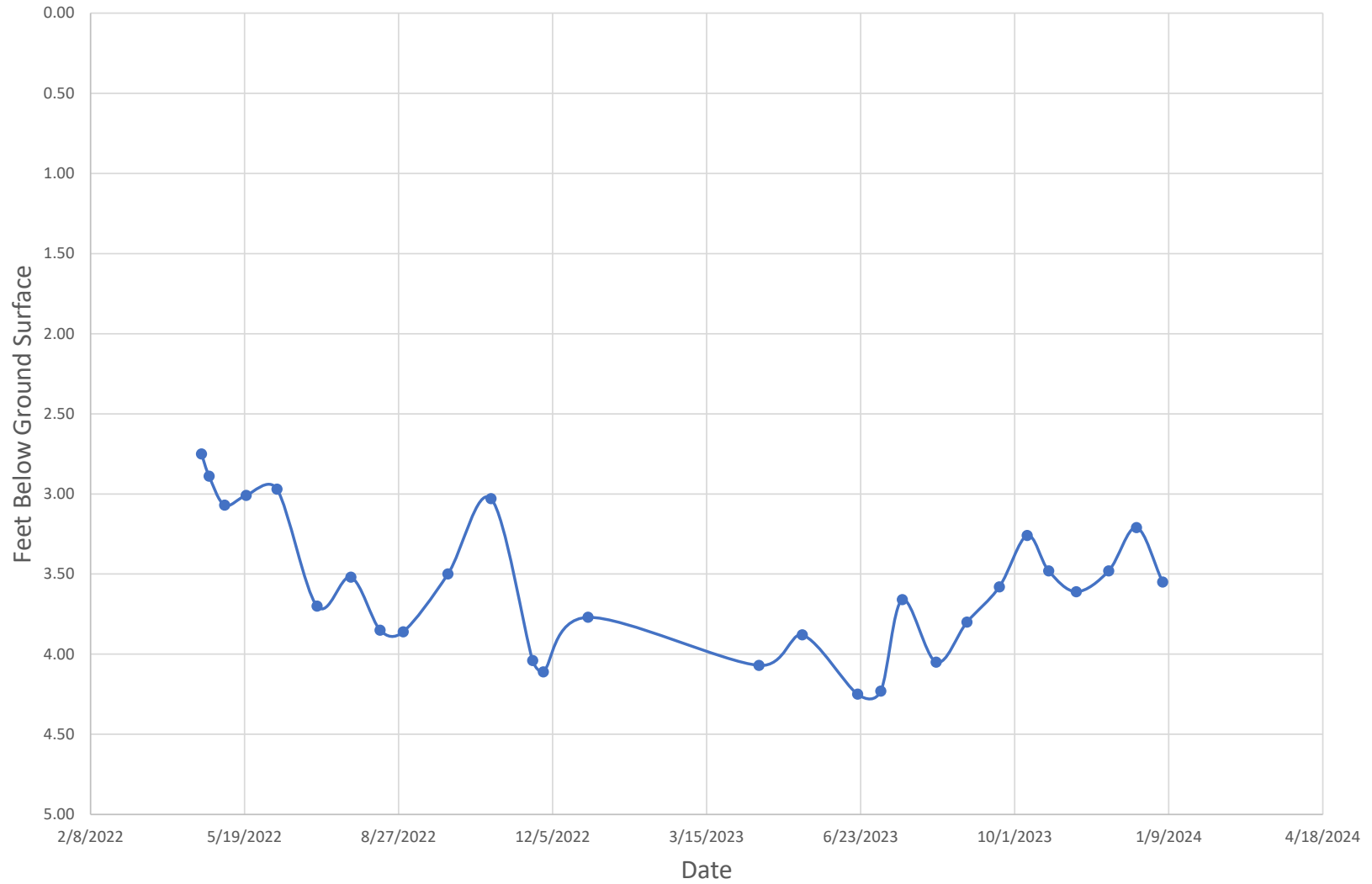
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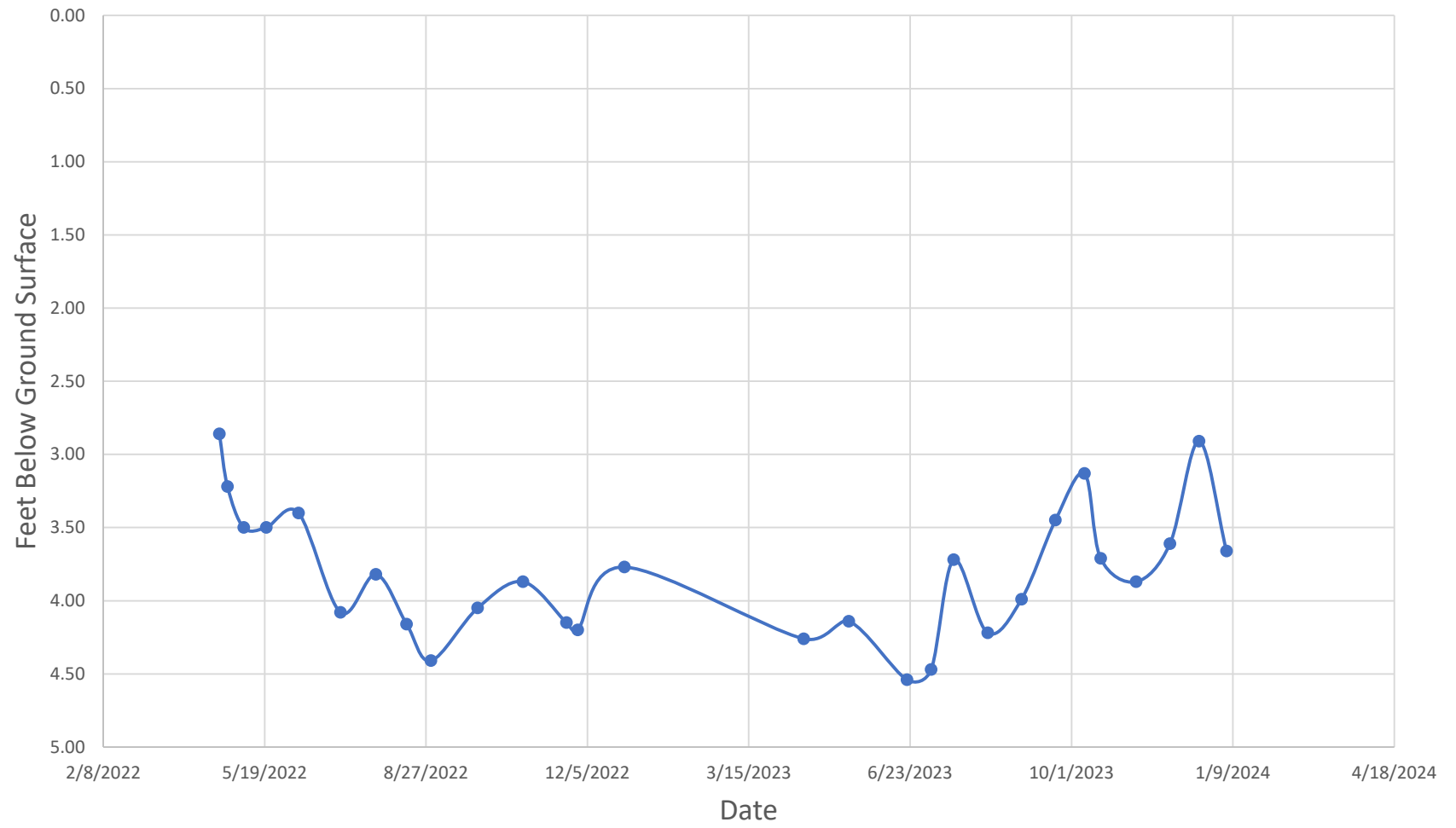
P-5 Water Levels



Trib 1 Water Levels

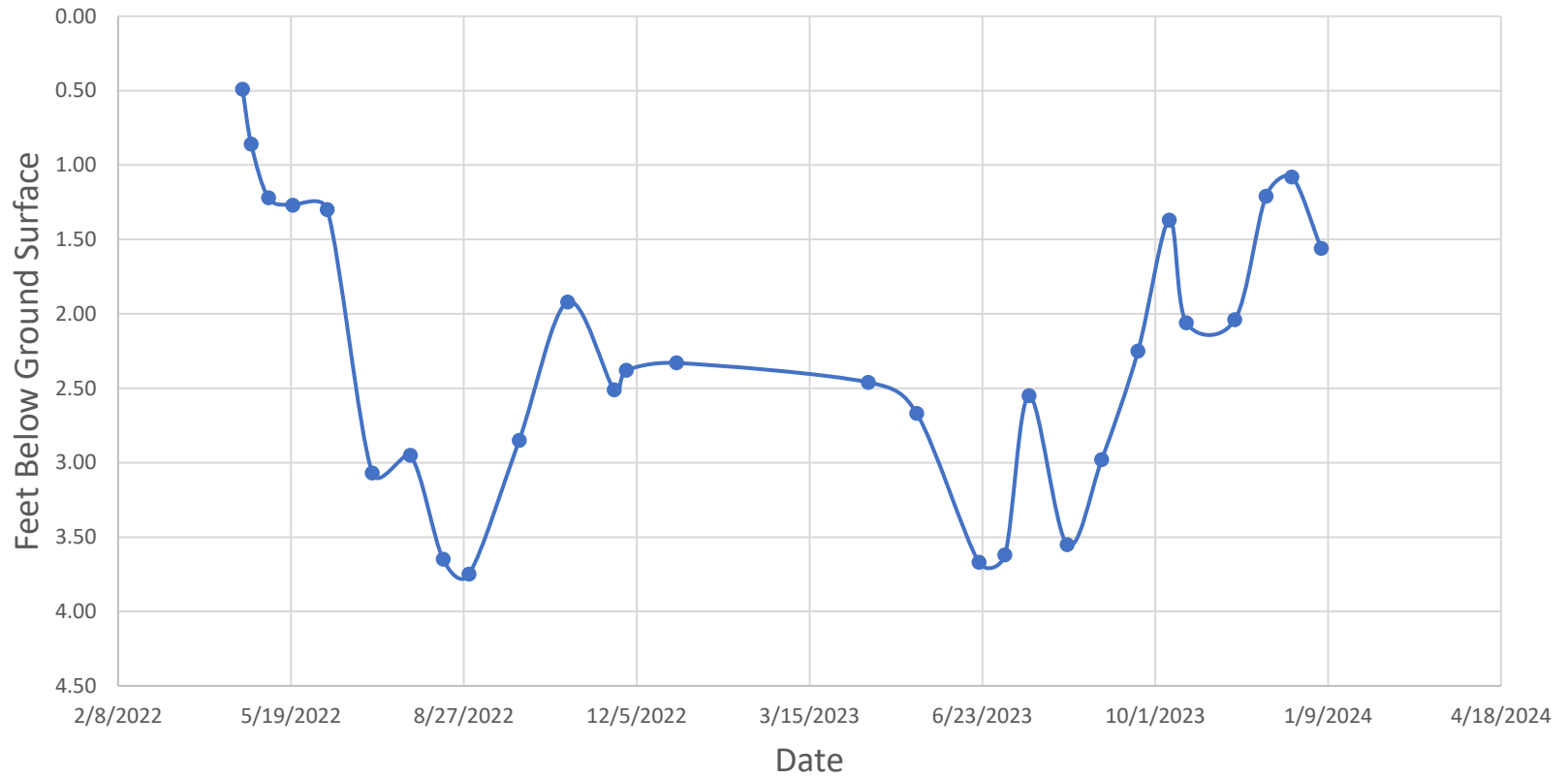


NKS 2 Water Levels

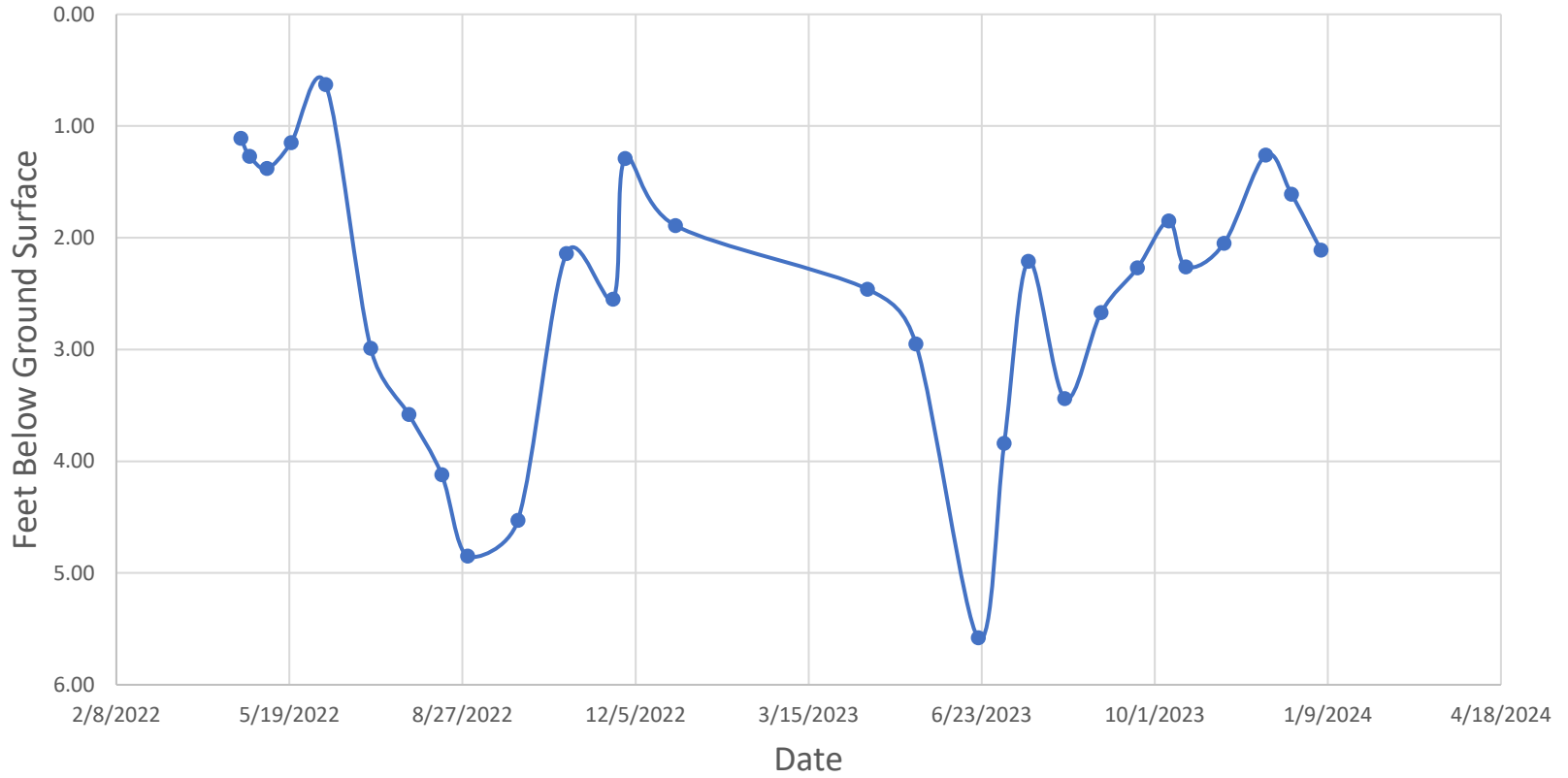




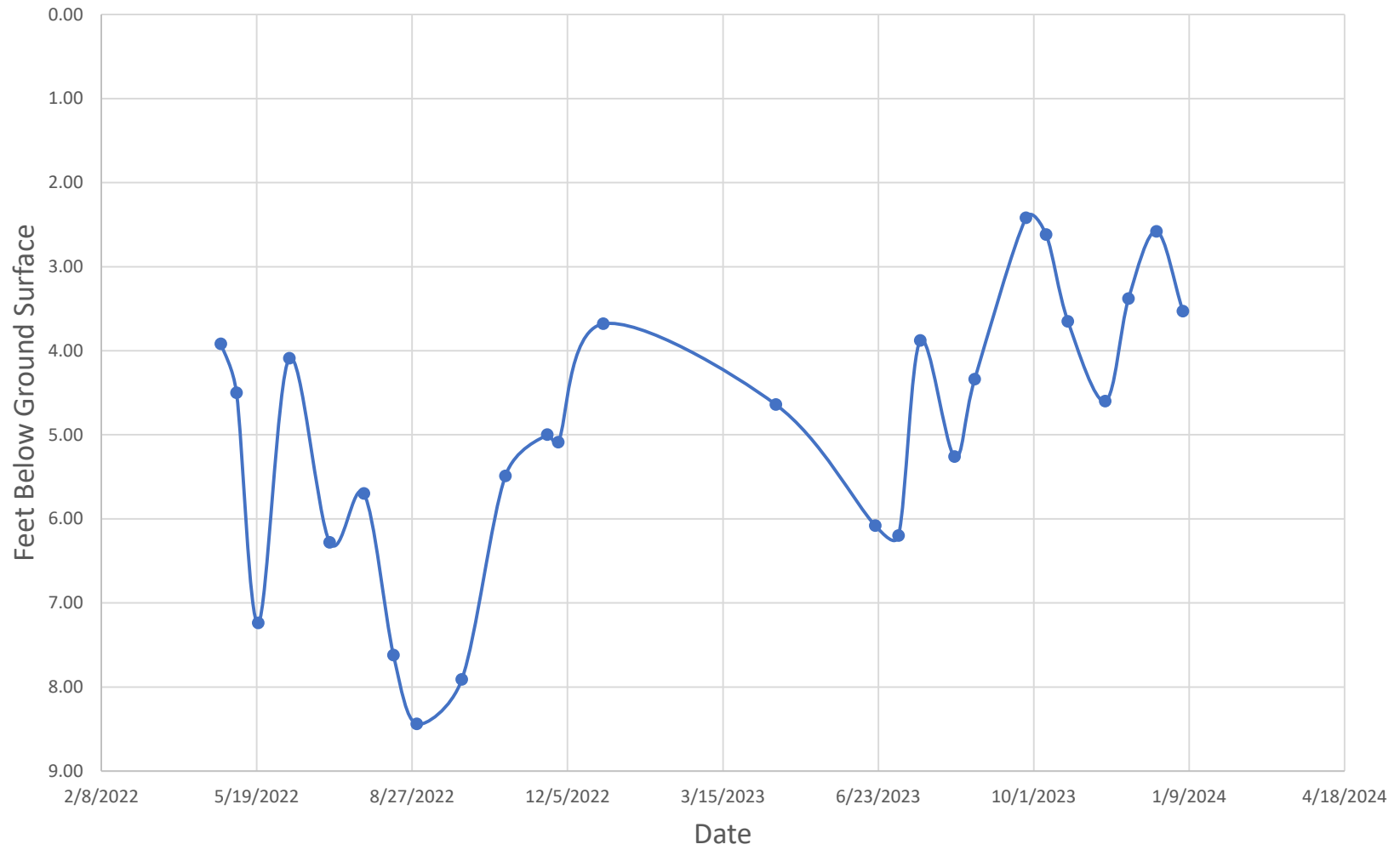
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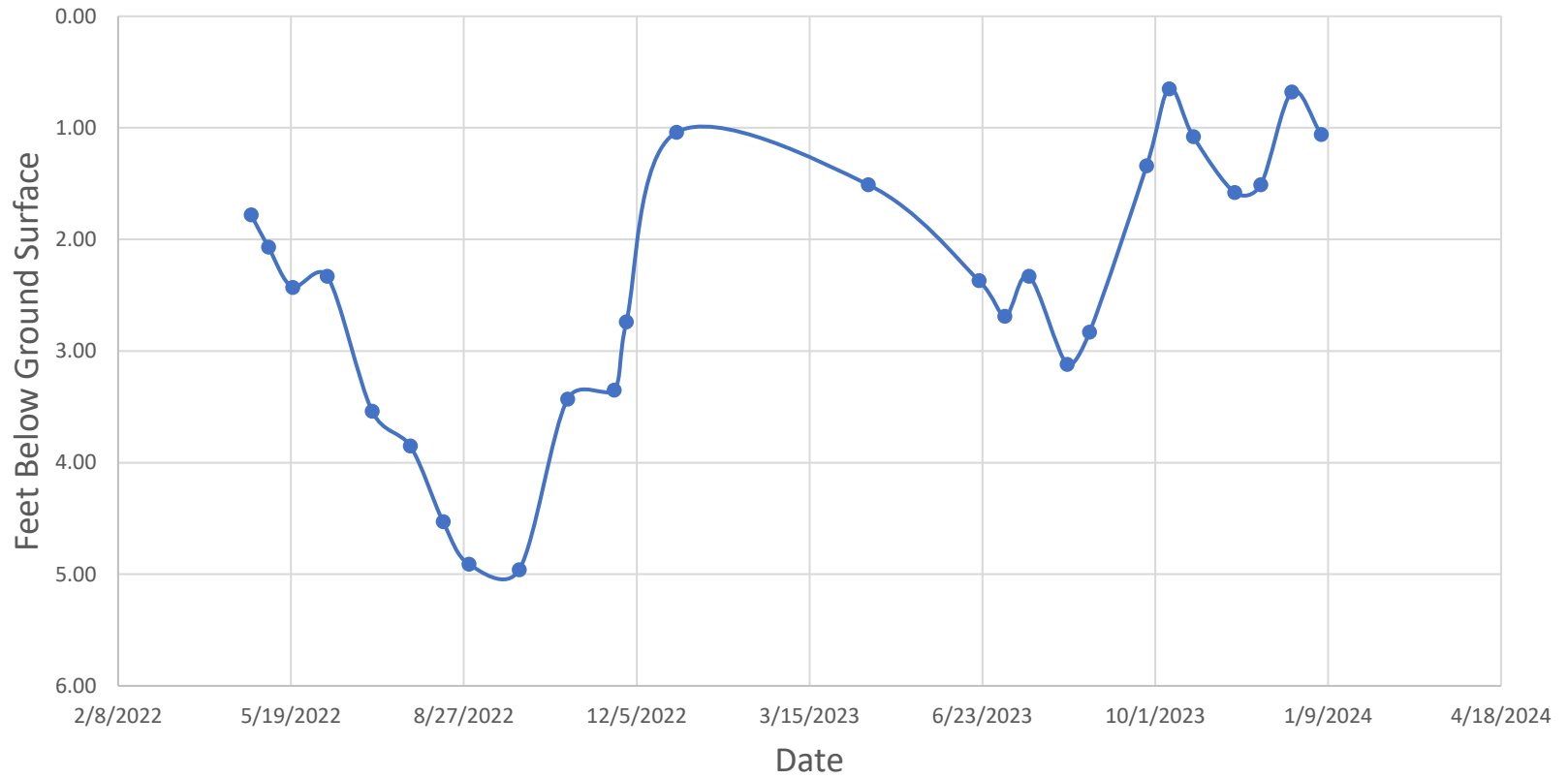
ES DS Water Levels



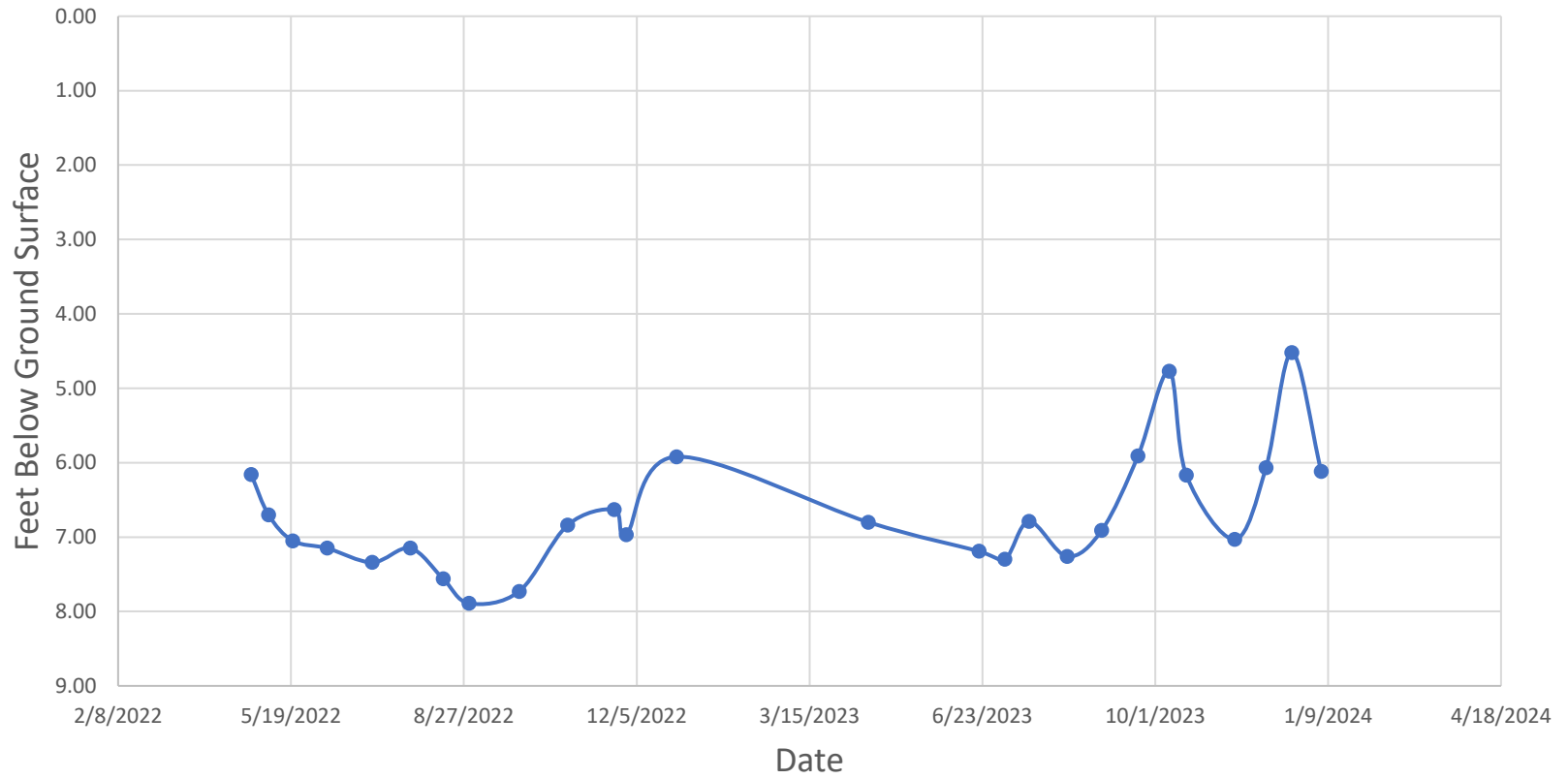
FMW-13R Water Levels



FMW-14 Water Levels



FMW-15 Water Levels



FMW-16 Water Levels

