SOIL-MAT ENGINEERS & CONSULTANTS LTD.

401 Grays Road · Hamilton, ON · L8E 2Z3

www.soil-mat.ca info@soil-mat.ca 905.318.7440 / 800.243.1922 (*toll free*) 905.318.7455

PROJECT NO.: SM 301951-G August 19, 2024

CACHET DEVELOPMENTS
361 CONNIE CRESCENT, SUITE 200
Concord, Ontario
L4K 5R2

Attention: Hatim Jafferjee
Land Development Coordinator

SUPPLEMENTAL GROUNDWATER DATA
PROPOSED RESIDENTIAL DEVELOPMENT
CLAYTON AND ELORA SANDS
ELORA, ONTARIO

Dear Mr. Jafferjee,

Further to the recent request and correspondence with MTE Consultants, SOIL-MAT ENGINEERS & CONSULTANTS LTD. has prepared the following brief updated groundwater level summary based on information collected between July 15, 2022 to May 3, 2023. This information is further to our preliminary hydrogeological assessment reports for the development lands [SM 301951-G, dated June 17 and July 20, 2022], and should be referenced in conjunction with those reports.

Groundwater Observations

Monitoring wells were installed at Borehole Nos. 004, 101, 102, 104, 201, 201A, 202, 203, 204, 205, 206, 301 through 305, and 401, to allow for future measurements of the static groundwater level. Monitoring data up to June 2022 was presented in the prior referenced reports. A data logger was maintained in each of the monitoring wells to allow for further continuous monitoring of the groundwater level between July 2022 to May 2023, the readings of which have been illustrated in graphs which can be found appended to the end of this report.

In addition, manual monitoring well readings were also taken from all of the installed monitoring well locations across the site on various dates, ranging from August 2021 to May 2023. These have been summarized in the following charts. As well, the detailed plots of continuous groundwater levels for each monitoring well are appended.

TABLE A
SUMMARY OF MANUAL GROUNDWATER READINGS (ELORA SANDS)

Borehole No. 004 (Ground Surface Elevation of 405.55 metres)		
	Groundwater Depth (m)	Groundwater Elevation (m)
August 6, 2021	2.74	402.8
August 27, 2021	1.75	403.8
February 23, 2022	1.33	404.2
April 22, 2022	1.47	404.1
June 1, 2022	1.78	403.8
May 3, 2023	1.20	404.35

Borehole No. 201 (Ground Surface Elevation of 404.80 metres)		
	Groundwater Depth (m)	Groundwater Elevation (m)
February 17, 2022	2.69	402.1
April 22, 2022	1.88	402.9
June 1, 2022	2.44	402.4
May 3, 2023	1.88	402.9

Borehole No. 201A (Ground Surface Elevation of 404.75 metres)		
	Groundwater Depth (m)	Groundwater Elevation (m)
February 17, 2022	Dry	<401.8
April 22, 2022	2.05	402.7
June 1, 2022	2.43	402.3
May 3, 2023	1.71	403.1

Borehole No. 202 (Ground Surface Elevation of 406.59 metres)		
	Groundwater Depth (m)	Groundwater Elevation (m)
February 17, 2022	5.5	401.1
April 22, 2022	4.76	401.8
June 1, 2022	5.43	401.2
May 3, 2023	4.51	402.1

Borehole No. 203 (Ground Surface Elevation of 407.13 metres)		
	Groundwater Depth (m)	Groundwater Elevation (m)
February 17, 2022	Dry	<401.0
April 22, 2022	5.90	401.2
June 1, 2022	5.91	401.2
May 3, 2023	Dry	<401.0

Borehole No. 204 (Ground Surface Elevation of 409.56 metres)		
	Groundwater Depth (m)	Groundwater Elevation (m)
February 17, 2022	2.81	406.7
April 22, 2022	1.16	408.4
June 1, 2022	1.53	408.0
May 3, 2023	1.20	408.4

Borehole No. 205 (Ground Surface Elevation of 412.99 metres)		
	Groundwater Depth (m)	Groundwater Elevation (m)
February 17, 2022	2.56	410.4
April 22, 2022	2.25	410.7
June 1, 2022	2.39	410.6
May 3, 2023	2.34	410.6

Borehole No. 206 (Ground Surface Elevation of 412.88 metres)		
	Groundwater Depth (m)	Groundwater Elevation (m)
February 17, 2022	6.83	406.1
April 22, 2022	4.60	408.3
June 1, 2022	4.66	408.2
May 3, 2023	4.76	408.1

Borehole No. 401 (Ground Surface Elevation of 420.91 metres)		
	Groundwater Depth (m)	Groundwater Elevation (m)
April 22, 2022	2.29	418.6
June 1, 2022	2.39	418.5
May 3, 2023	2.31	418.6

TABLE B
SUMMARY OF MANUAL GROUNDWATER READINGS (CLAYTON LANDS)

Borehole No. 101 (Ground Surface Elevation of 408.60 metres)		
	Groundwater Depth (m)	Groundwater Elevation (m)
August 6, 2021	4.78	403.8
August 27, 2021	4.71	403.9
October 14, 2021	4.33	404.3
February 23, 2022	4.31	404.3
April 22, 2022	4.07	404.5
June 1, 2022	4.15	404.5
May 3, 2023	4.06	404.5

Borehole No. 102 (Ground Surface Elevation of 414.13 metres)		
	Groundwater Depth (m)	Groundwater Elevation (m)
August 6, 2021	3.58	410.6
August 27, 2021	3.61	410.5
October 14, 2021	3.62	410.5
February 23, 2022	3.50	410.6
April 22, 2022	2.89	411.2
June 1, 2022	3.05	411.1
May 3, 2023	3.00	411.0

Borehole No. 103 (Ground Surface Elevation of 414.13 metres)		
	Groundwater Depth (m)	Groundwater Elevation (m)
August 6, 2021	6.78	407.3
August 27, 2021	6.96	407.2
October 14, 2021	7.09	407.0
February 23, 2022	6.83	407.3
April 22, 2022	6.13	408.0
June 1, 2022	6.28	407.8
May 3, 2023	6.56	407.6

Borehole No. 301 (Ground Surface Elevation of 412.75 metres)*		
	Groundwater Depth (m)	Groundwater Elevation (m)
February 23, 2022	6.29	406.5
April 22, 2022	5.65	407.1
June 1, 2022	5.71	407.0
May 3, 2023	5.85	406.9

Borehole No. 302 (Ground Surface Elevation of 413.00 metres)*		
	Groundwater Depth (m)	Groundwater Elevation (m)
February 23, 2022	6.62	406.4
April 22, 2022	6.06	406.9
June 1, 2022	6.12	406.9
May 3, 2023	6.35	406.7

Borehole No. 303 (Ground Surface Elevation of 414.00 metres)*		
	Groundwater Depth (m)	Groundwater Elevation (m)
February 23, 2022	5.40	408.6
April 22, 2022	6.04	407.9
June 1, 2022	6.11	407.9
May 3, 2023	6.41	407.6

Borehole No. 304 (Ground Surface Elevation of 407.90 metres)*		
	Groundwater Depth (m)	Groundwater Elevation (m)
February 23, 2022	2.87	405.0
April 22, 2022	2.60	405.3
June 1, 2022	2.96	404.9
May 3, 2023	2.42	4055

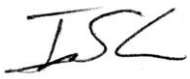
Borehole No. 305 (Ground Surface Elevation of 408.60 metres)*		
	Groundwater Depth (m)	Groundwater Elevation (m)
February 23, 2022	Dry	<405.6
April 22, 2022	Dry	<405.6
June 1, 2022	Dry	<405.6
May 3, 2023	Dry	<405.6

*Ground surface elevations have been interpolated based on contours from current topographic survey

We trust that this geotechnical report is sufficient for your present requirements. Should you require any additional information or clarification as to the contents of this document, please do not hesitate to contact the undersigned.

Yours very truly,
SOIL-MAT ENGINEERS & CONSULTANTS LTD.

Kevin Reid, B. Eng
Junior Engineer



Ian Shaw, P. Eng., QP_{ESA}
Senior Engineer

Enclosures: Drawing No. 1, Borehole Location Plan
Groundwater Monitoring Well Plots

Distribution: Cachet Developments [pdf]

LEGEND

- Borehole Location — BH#
- Monitoring Well Location — MW#
- Geological Cross Section Location

NOTES

1. This drawing should be read in conjunction with Soil-Mat Engineers & Consultants Ltd. Report No. SM 301591-G.

2. Borehole and monitoring well locations are approximate.

SOIL-MAT

ENGINEERS & CONSULTANTS LTD.

Geotechnical Investigation
Proposed Residential Development
7581 Nichol Road 15
Elora, Ontario

Borehole Location Plan

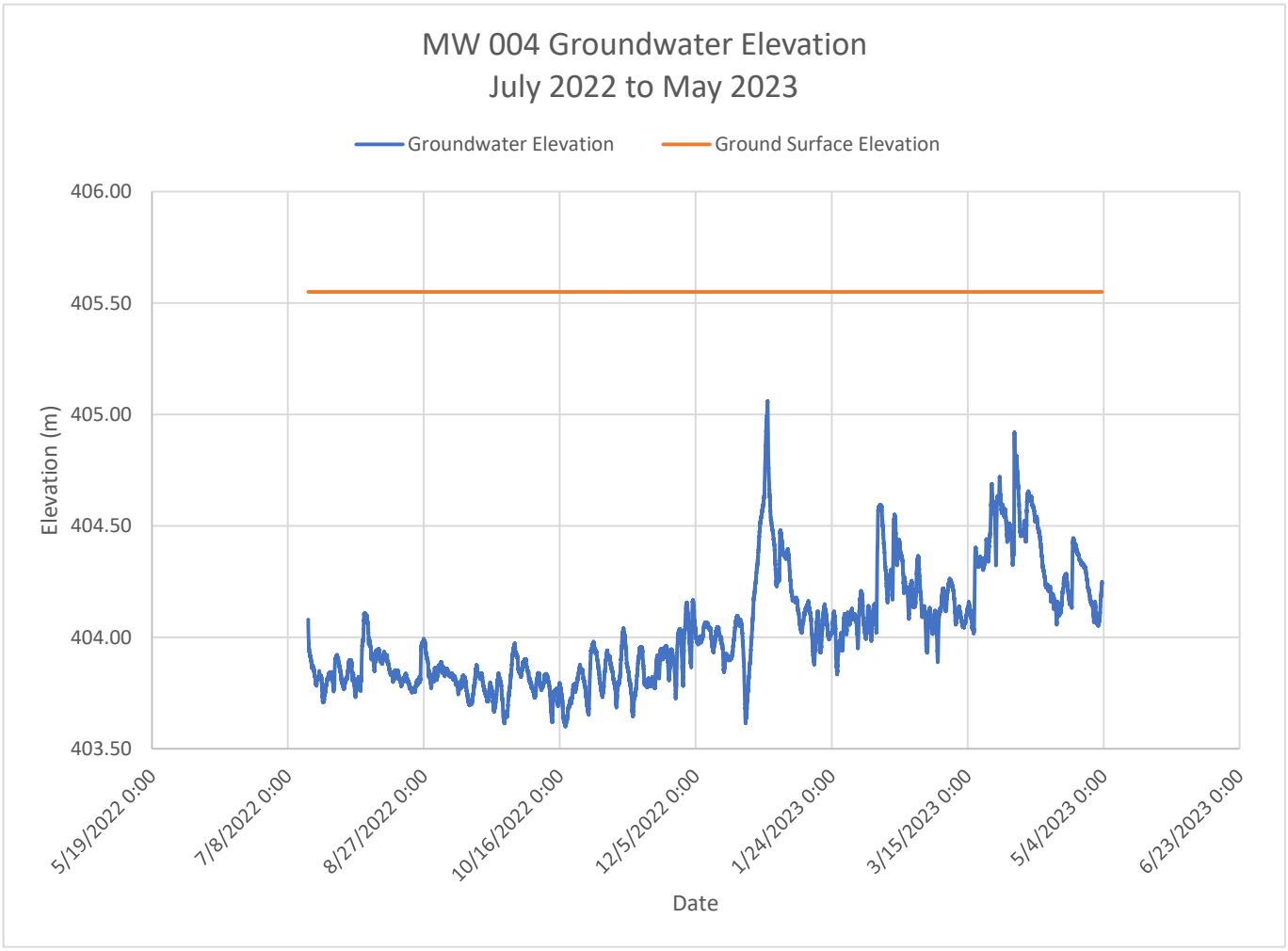
Project No. SM 301591-G

Date: June 2022

Drawn: SW | Checked: IS

SM 301591-G Borehole Location Plan

Drawing No. 1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Groundwater Elevation
Ground Surface Elevation
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403.50
Elevation (m)
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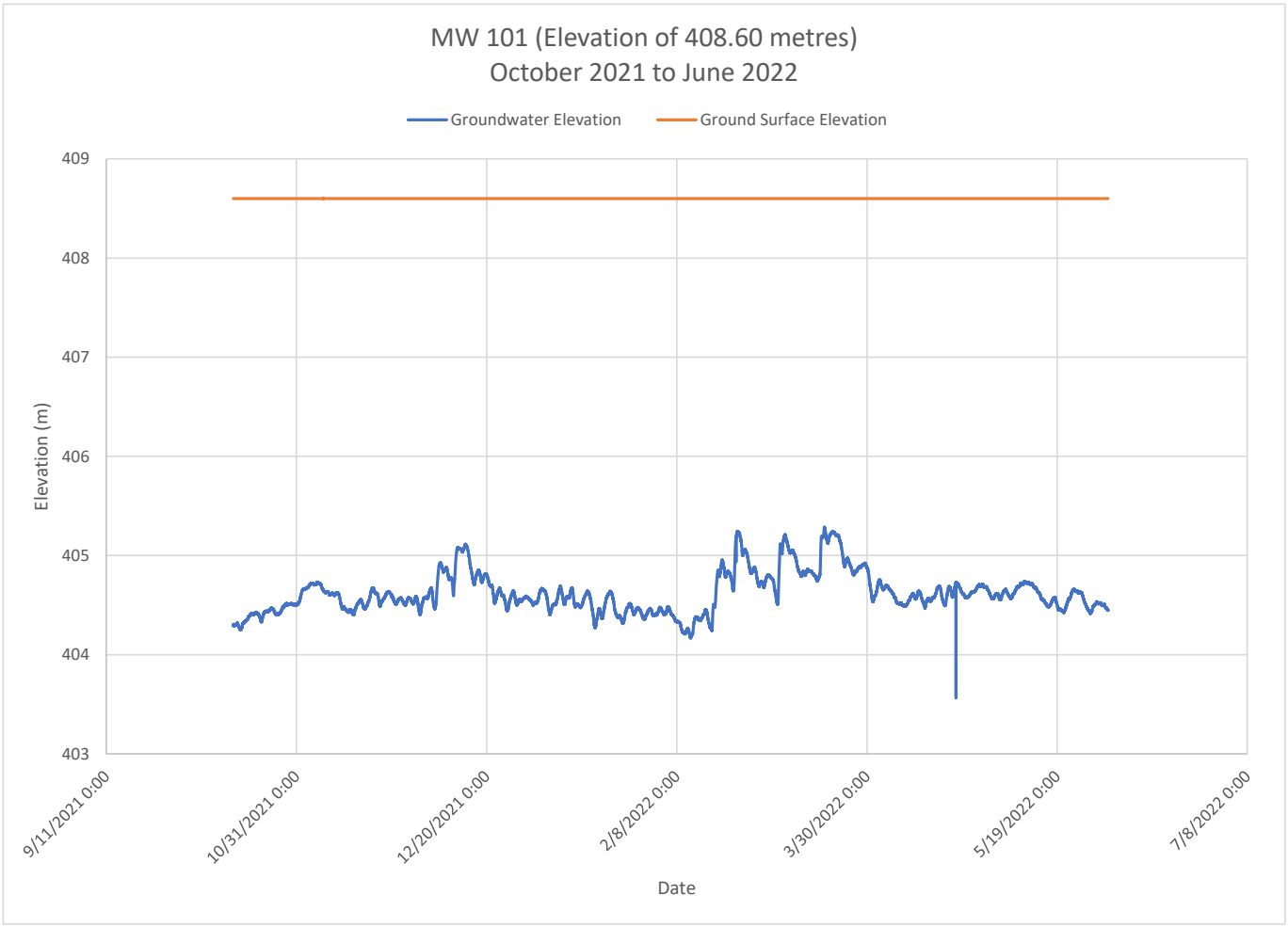
MW 101 (Elevation of 408.60 metres)
October 2021 to June 2022
Groundwater Elevation
Ground Surface Elevation
409
408
407
406
405
404
403
Elevation (m)
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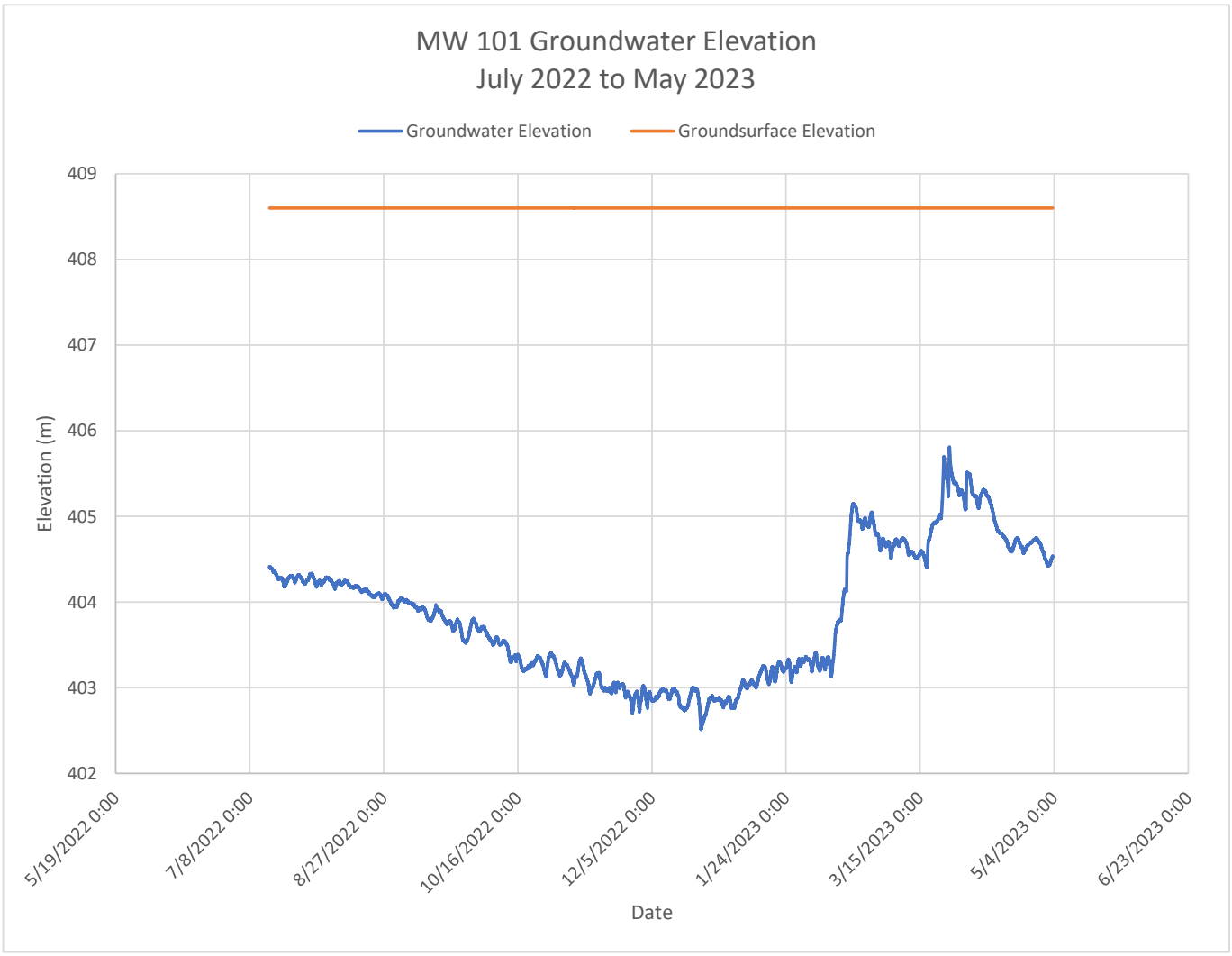
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July 2022 to May 2023
Groundwater Elevation
Groundsurface Elevation
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408
407
406
405
404
403
402
Elevation (m)
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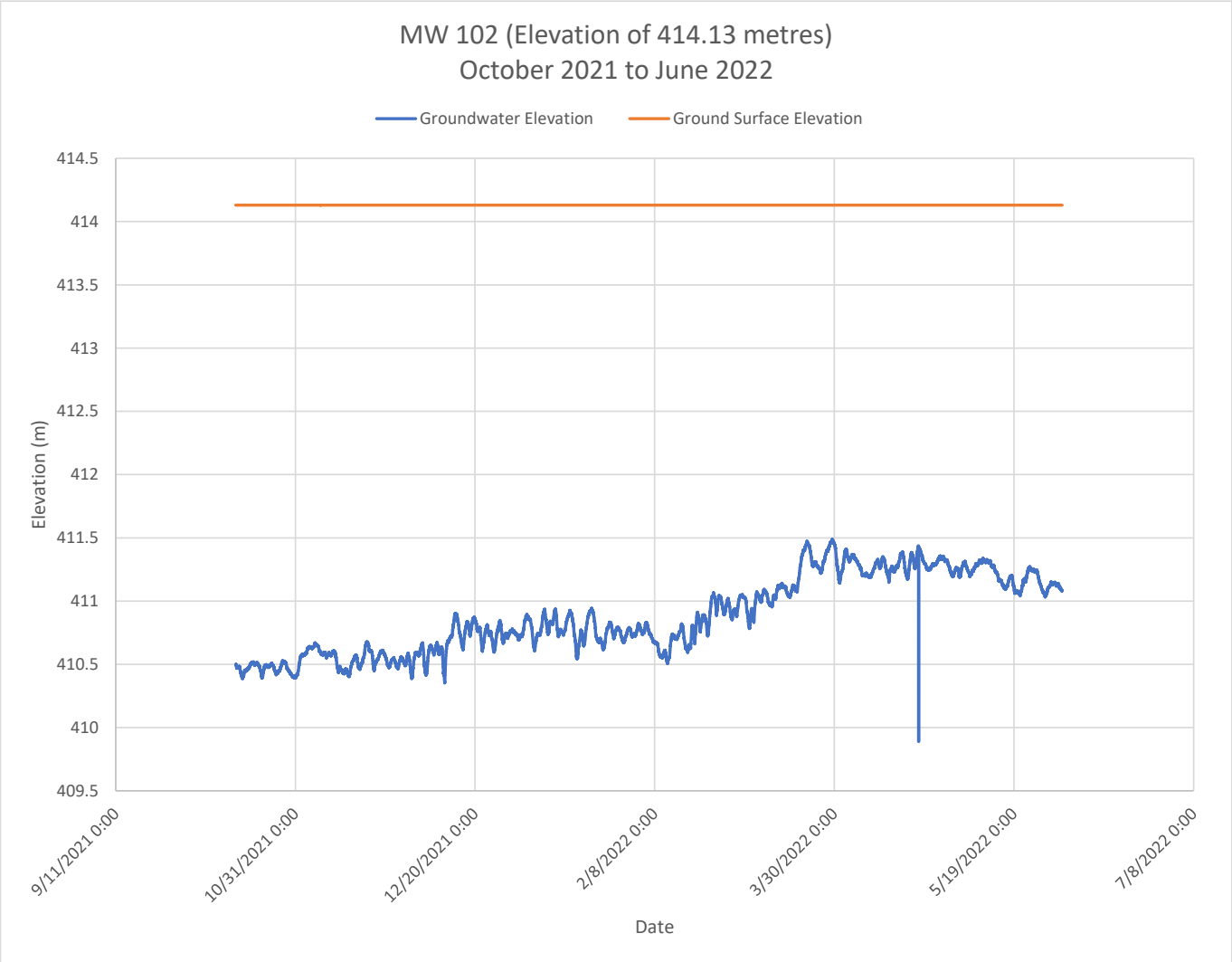
MW 102 (Elevation of 414.13 metres)
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Groundwater Elevation
Ground Surface Elevation
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414
413.5
413
412.5
412
411.5
411
410.5
410
409.5
Elevation (m)
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10/31/2021 0:00
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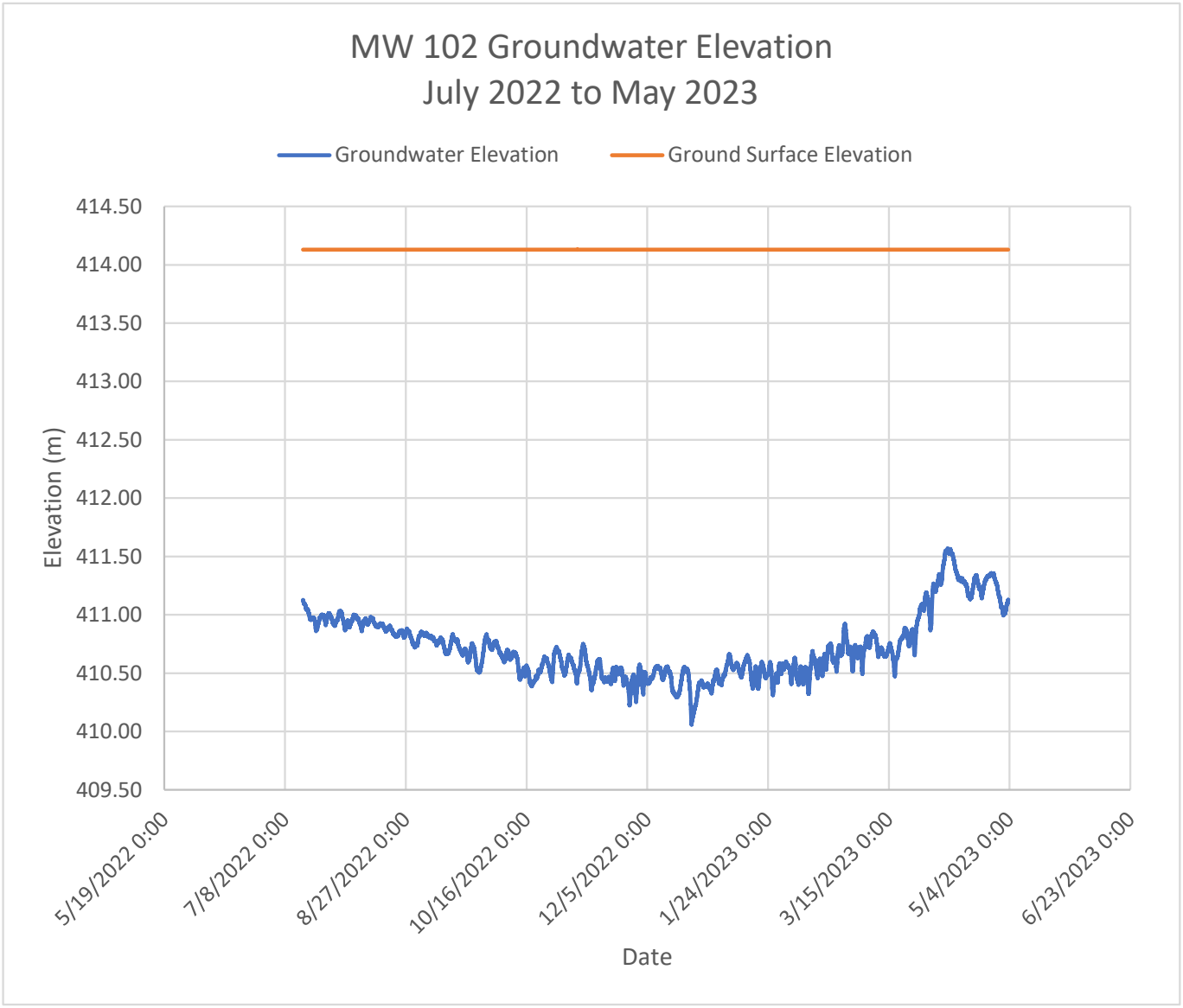
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July 2022 to May 2023
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Ground Surface Elevation
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414.00
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Elevation (m)
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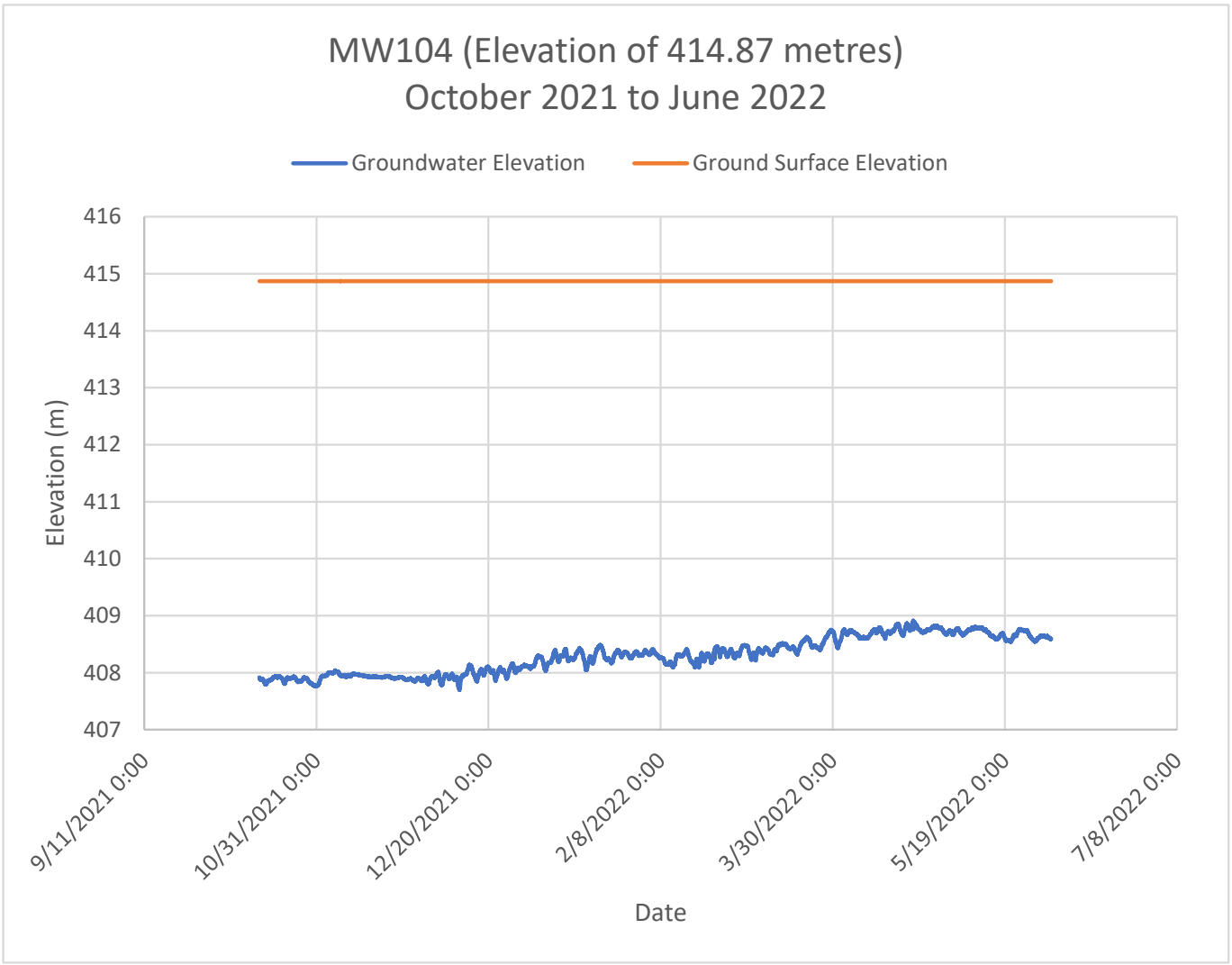
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Groundwater Elevation
Ground Surface Elevation
Elevation (m)
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415
414
413
412
411
410
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408
407
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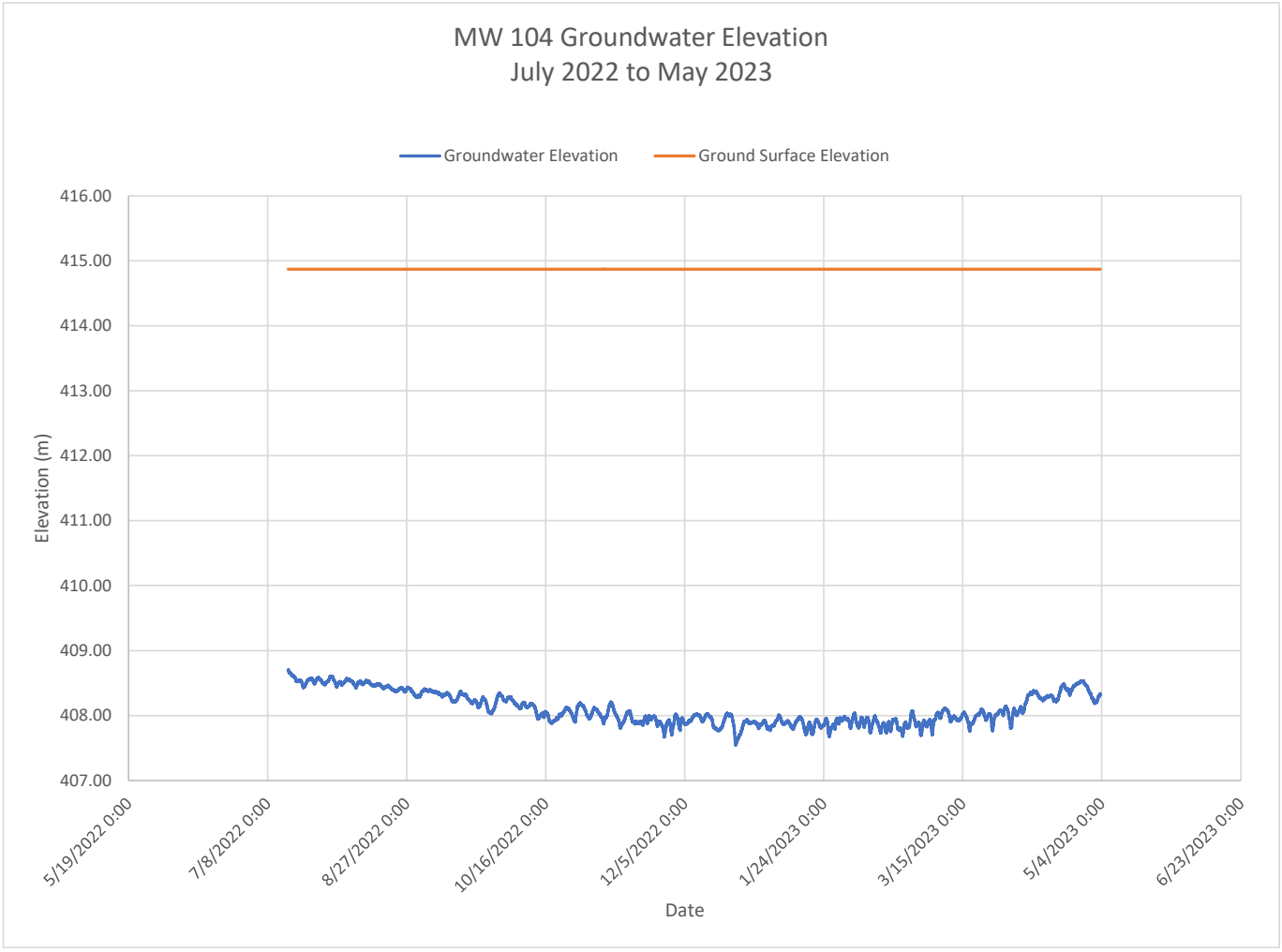
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Groundwater Elevation
Ground Surface Elevation
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415.00
414.00
413.00
412.00
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407.00
Elevation (m)
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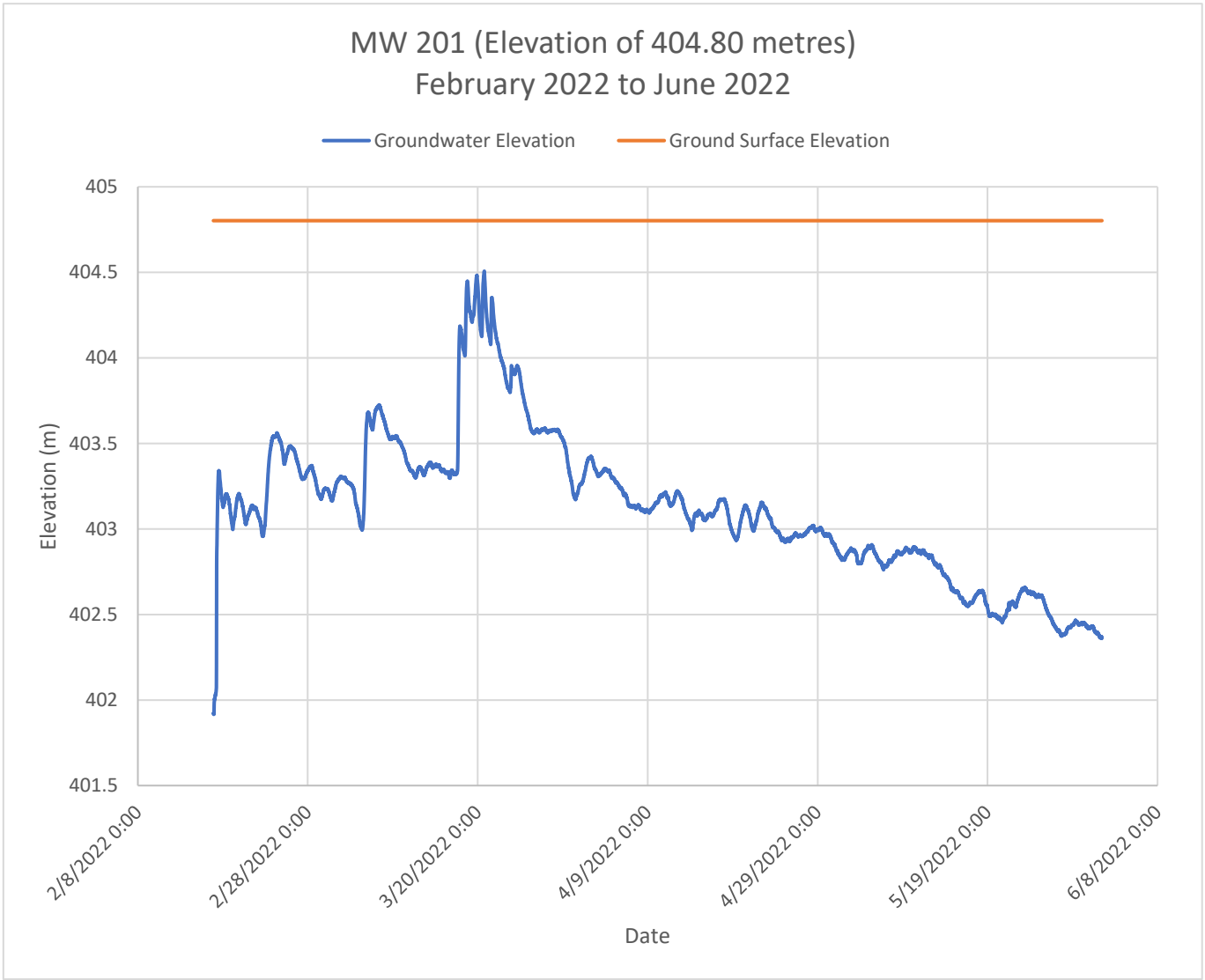
MW 201 (Elevation of 404.80 metres)
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Ground Surface Elevation
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404.5
404
403.5
403
402.5
402
401.5
Elevation (m)
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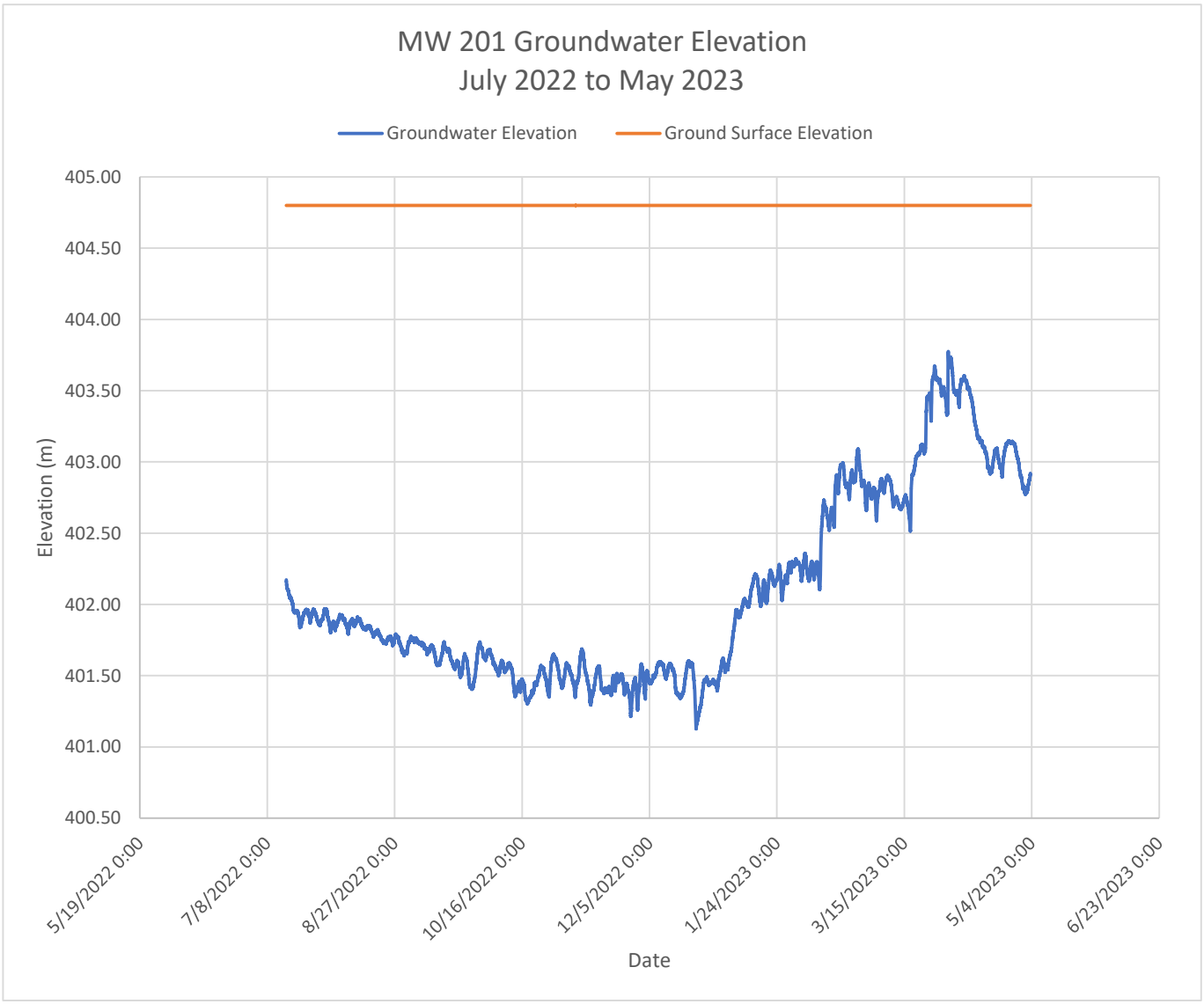
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Groundwater Elevation
Ground Surface Elevation
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Elevation (m)
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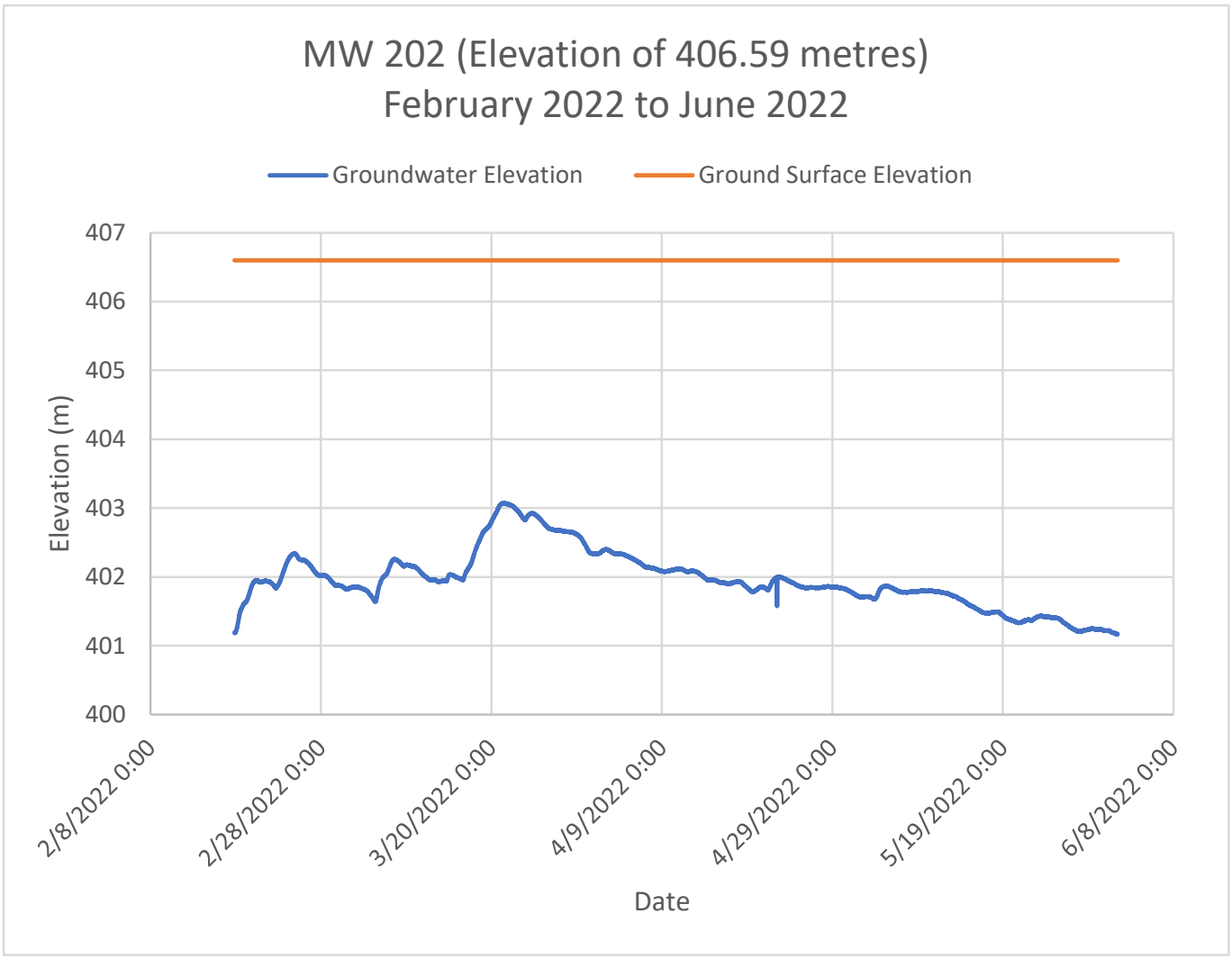
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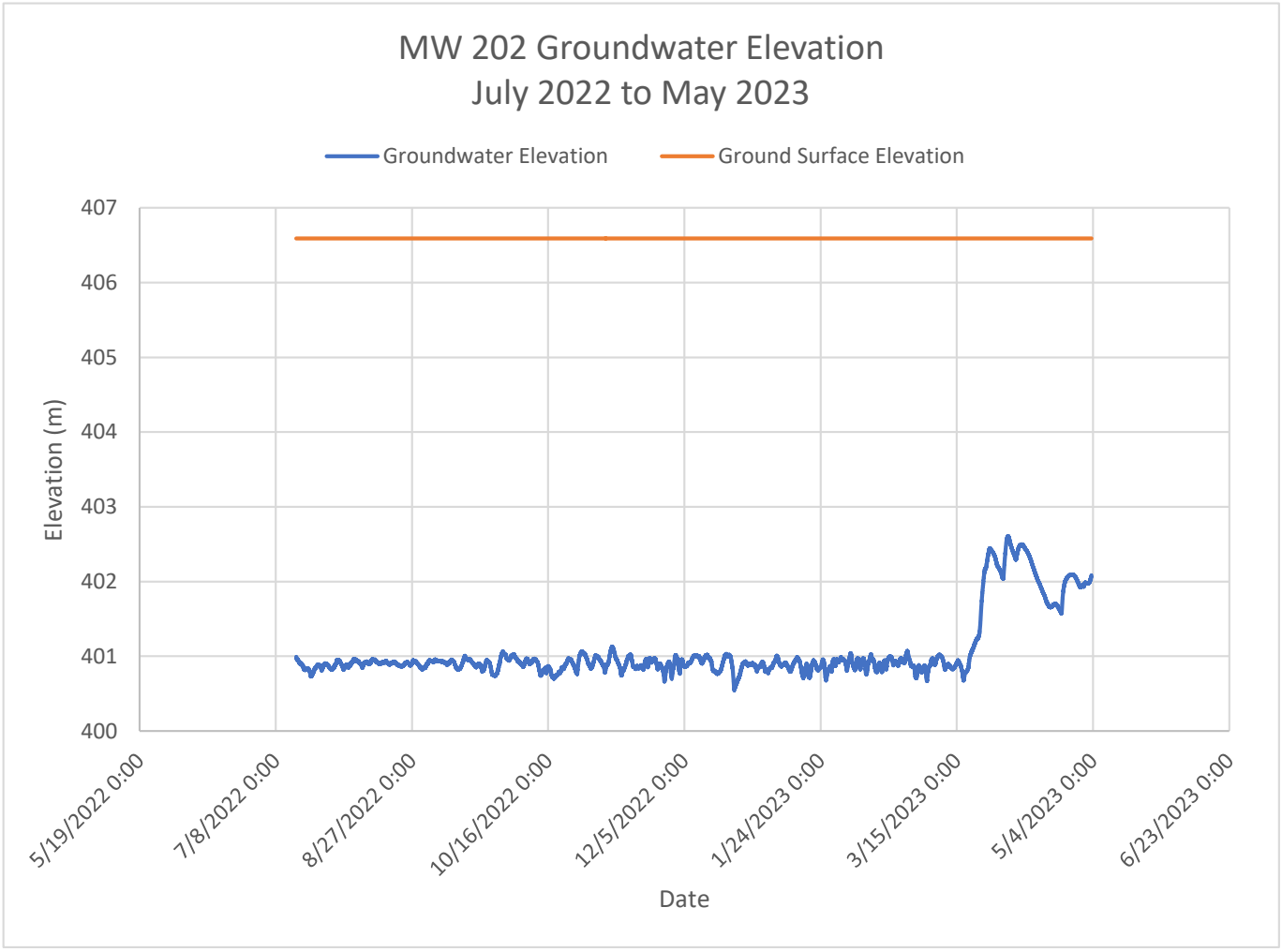
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Groundwater Elevation
Ground Surface Elevation
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Elevation (m)
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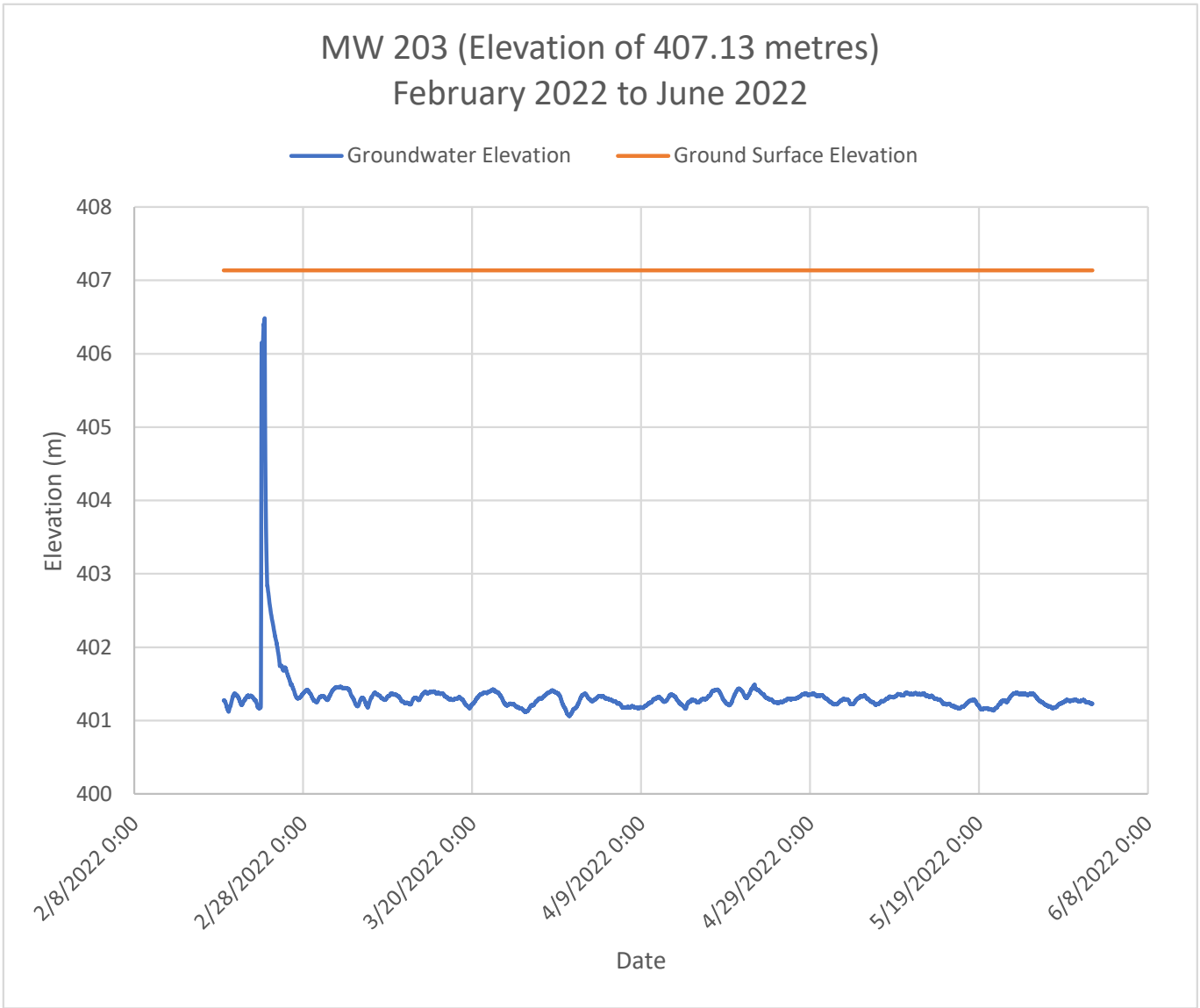
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February 2022 to June 2022
Groundwater Elevation
Ground Surface Elevation
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407
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402
401
400
Elevation (m)
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2/28/2022 0:00
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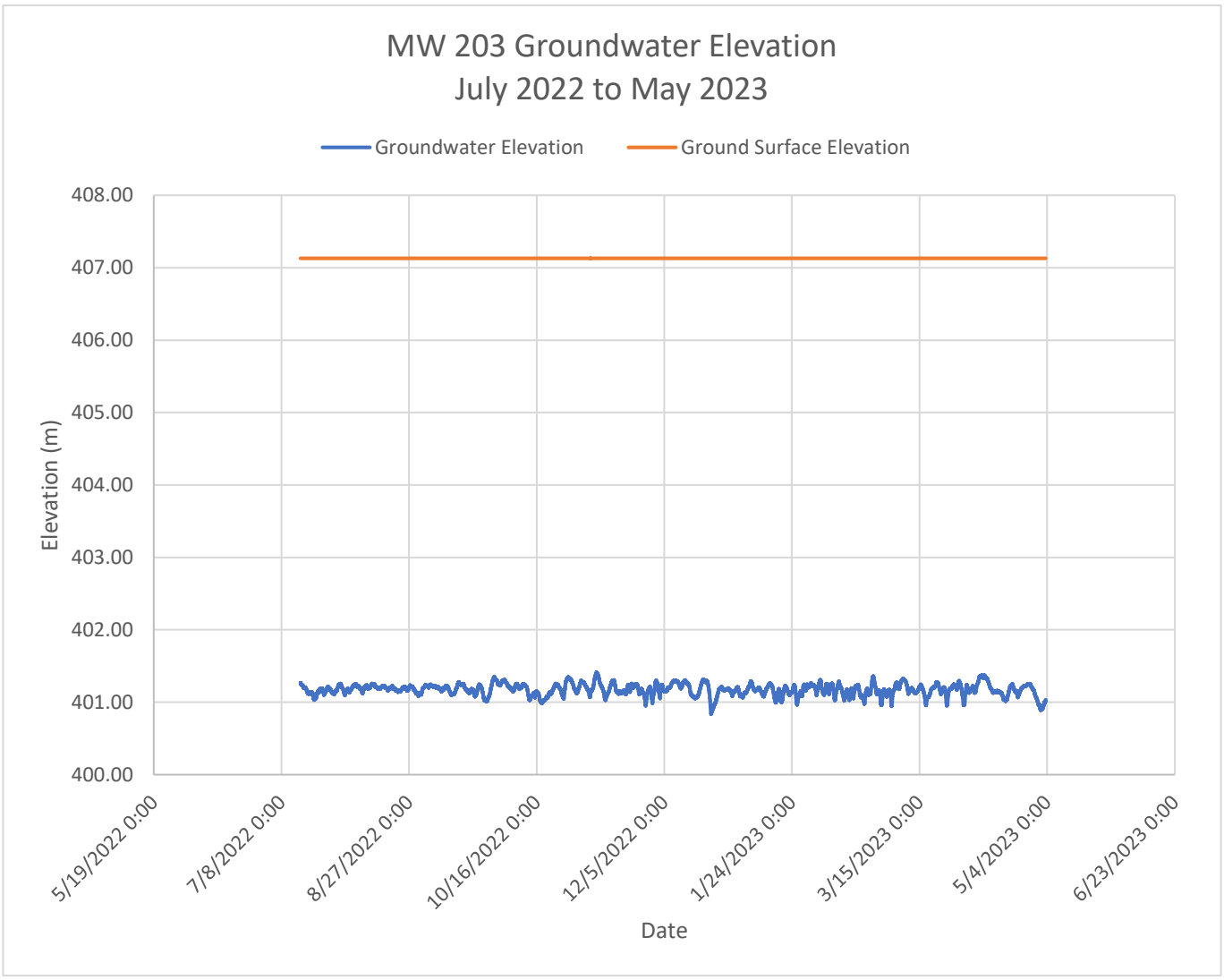
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July 2022 to May 2023
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Ground Surface Elevation
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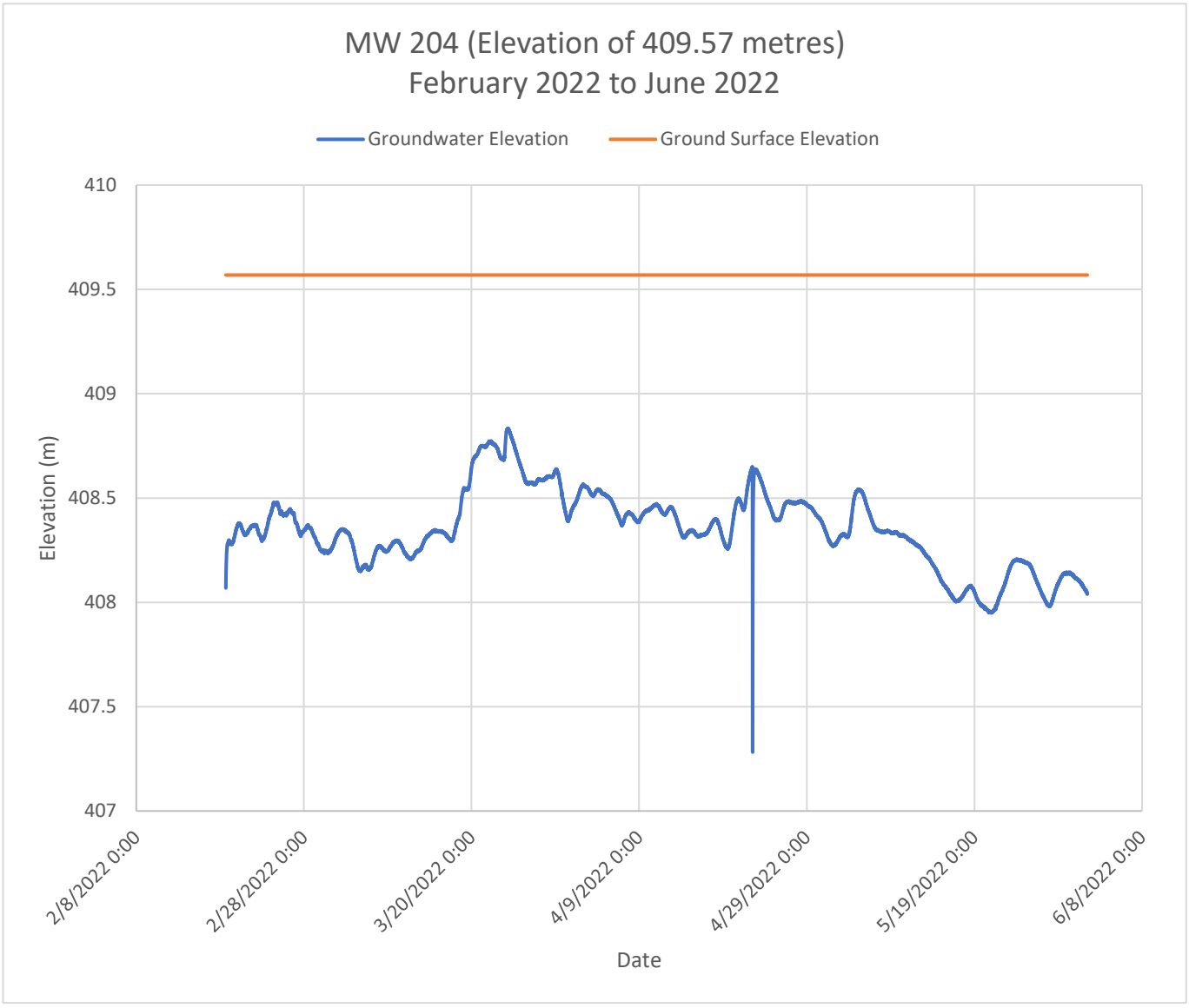
MW 204 (Elevation of 409.57 metres)
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Ground Surface Elevation
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Elevation (m)
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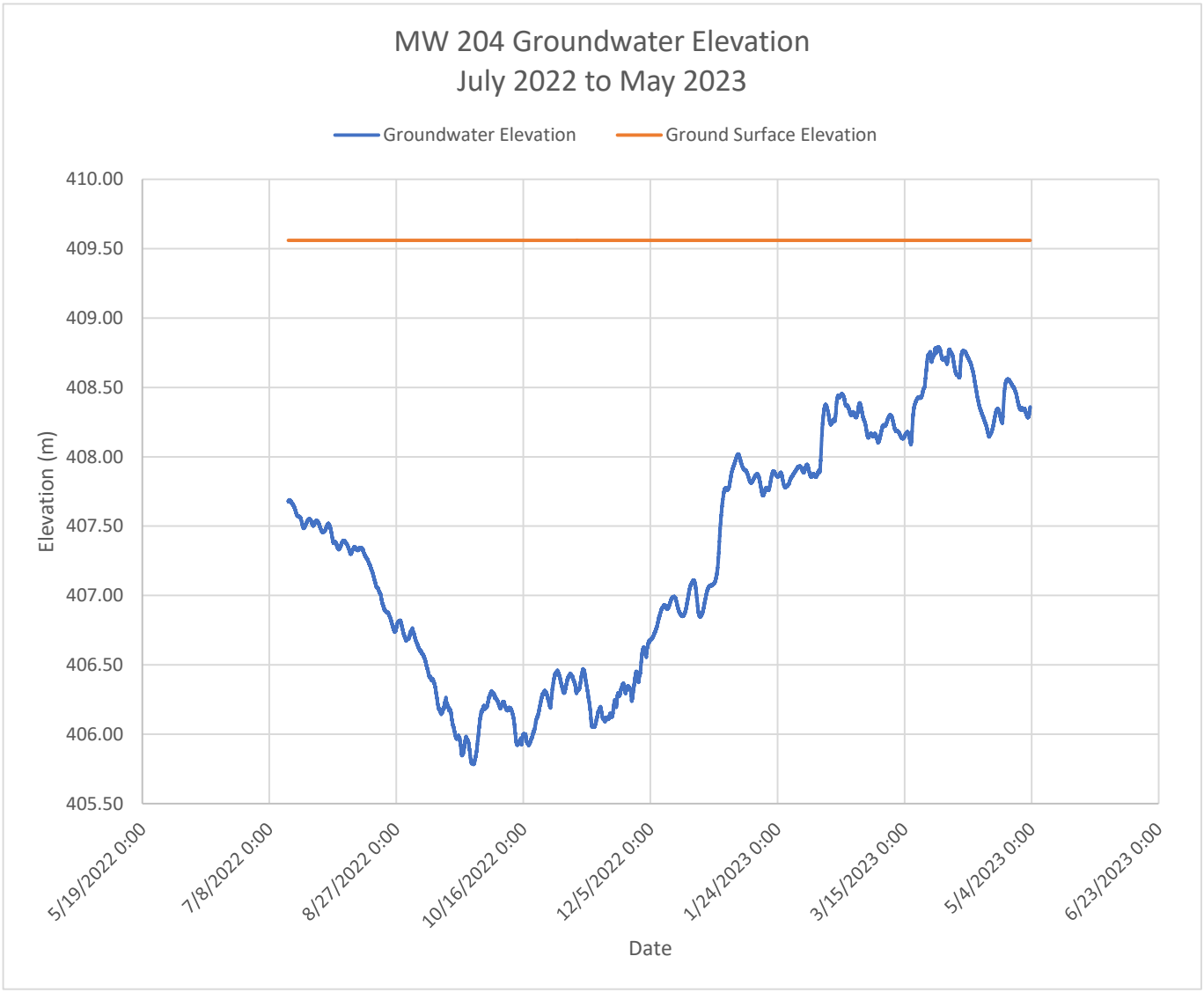
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July 2022 to May 2023
Groundwater Elevation
Ground Surface Elevation
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Elevation (m)
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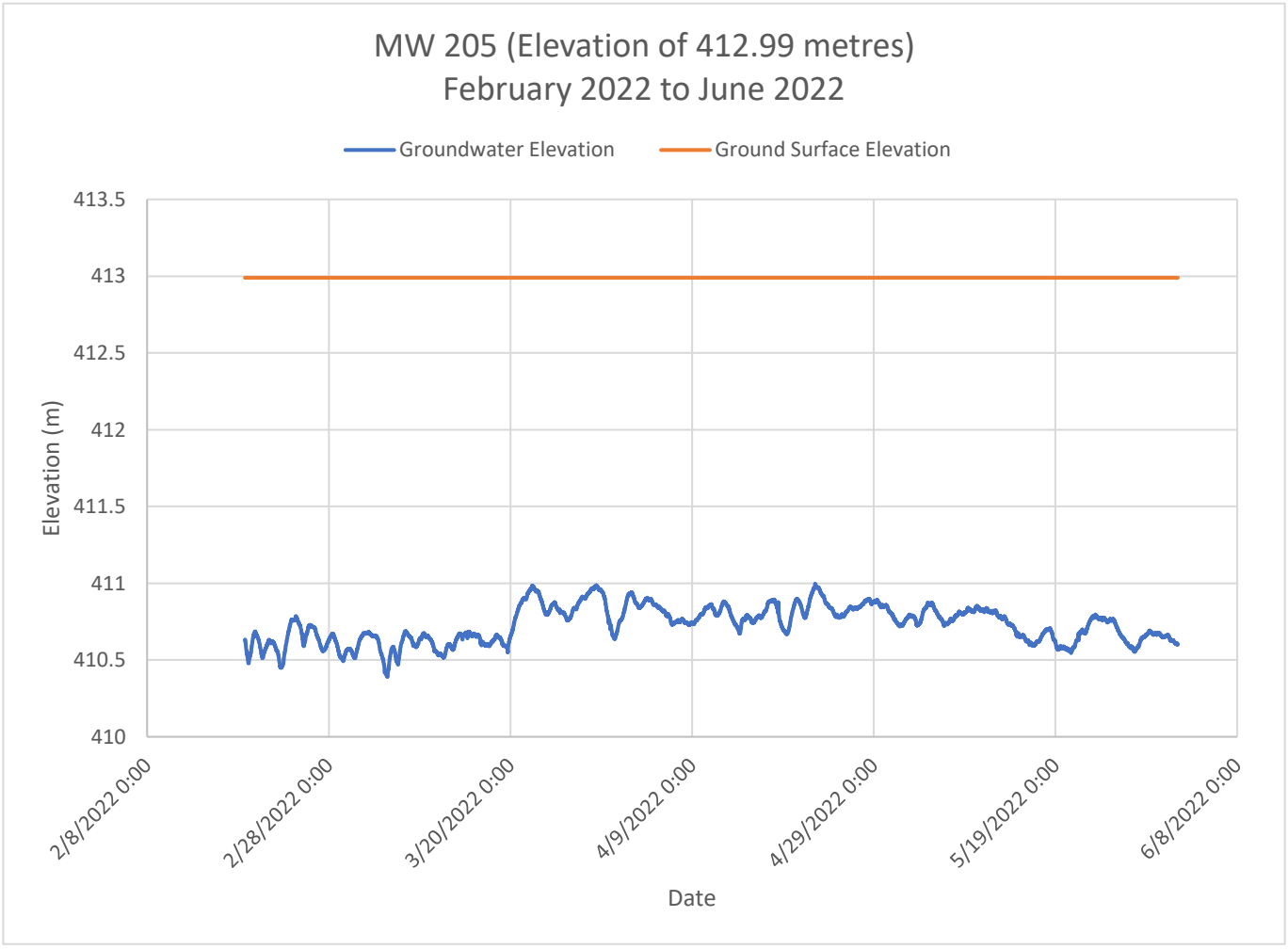
MW 205 (Elevation of 412.99 metres)
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Ground Surface Elevation
413.5
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410
Elevation (m)
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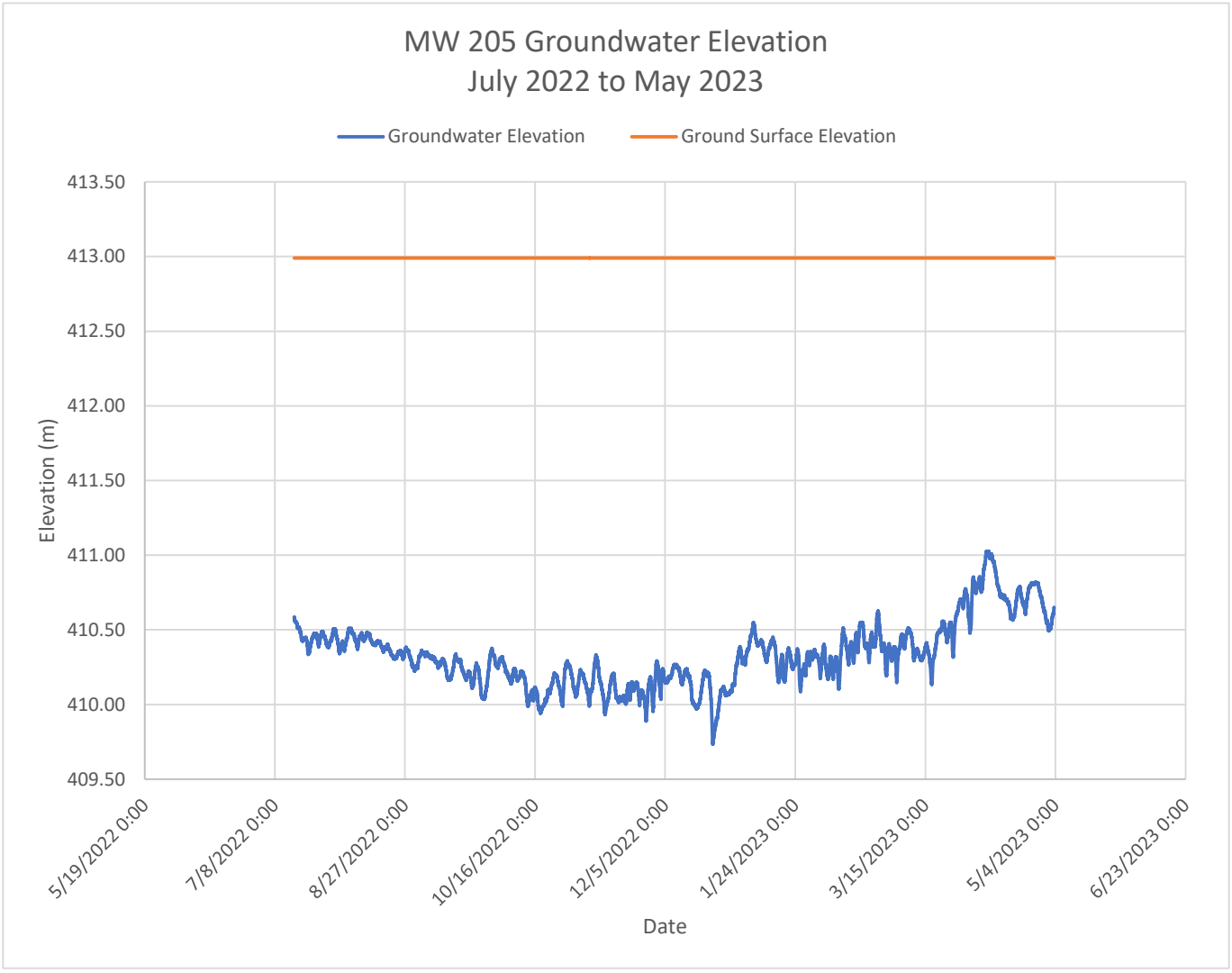
MW 205 Groundwater Elevation
July 2022 to May 2023
Groundwater Elevation
Ground Surface Elevation
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Elevation (m)
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7/8/2022 0:00
8/27/2022 0:00
10/16/2022 0:00
12/5/2022 0:00
1/24/2023 0:00
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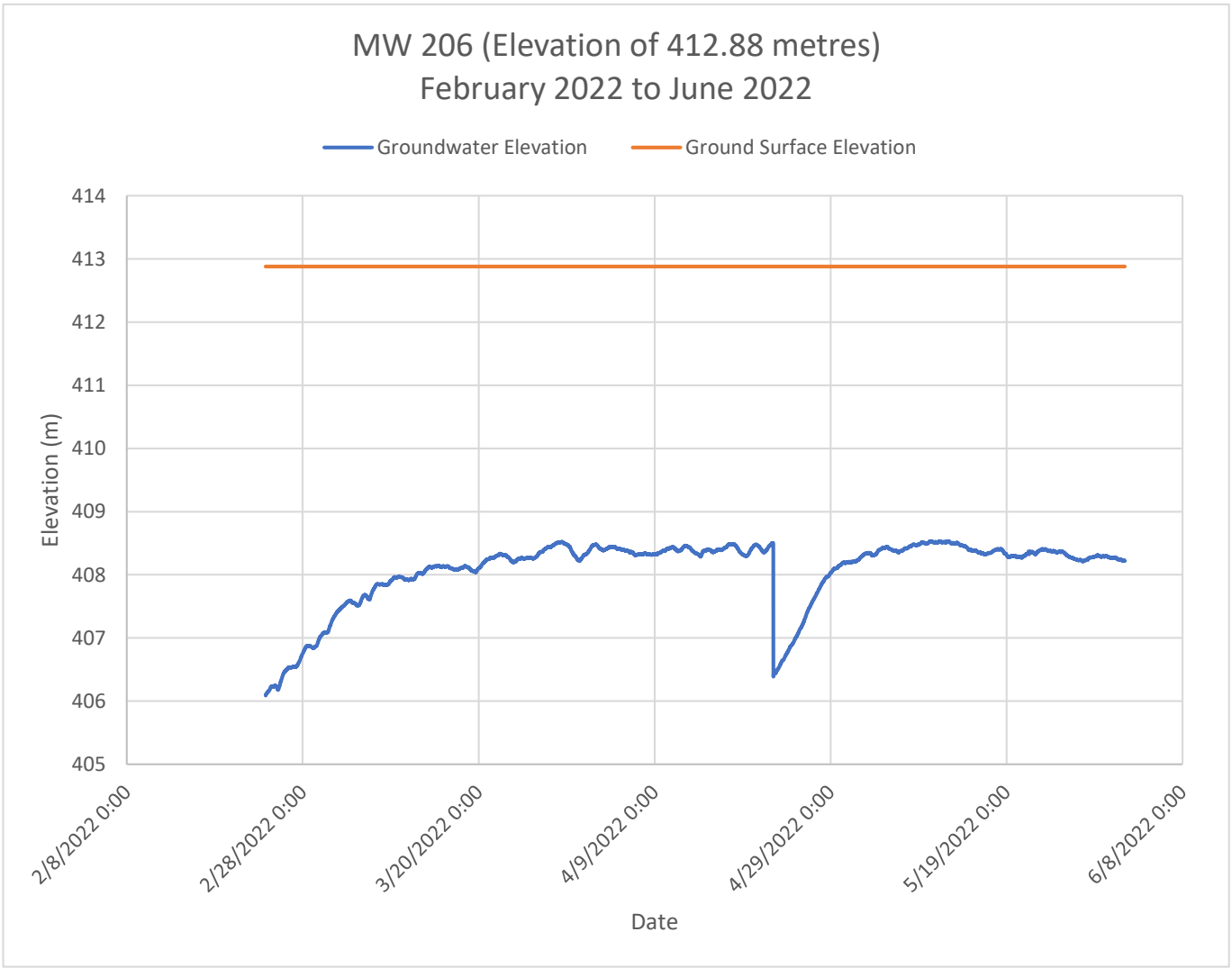
MW 206 (Elevation of 412.88 metres)
February 2022 to June 2022
Groundwater Elevation
Ground Surface Elevation
414
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406
405
Elevation (m)
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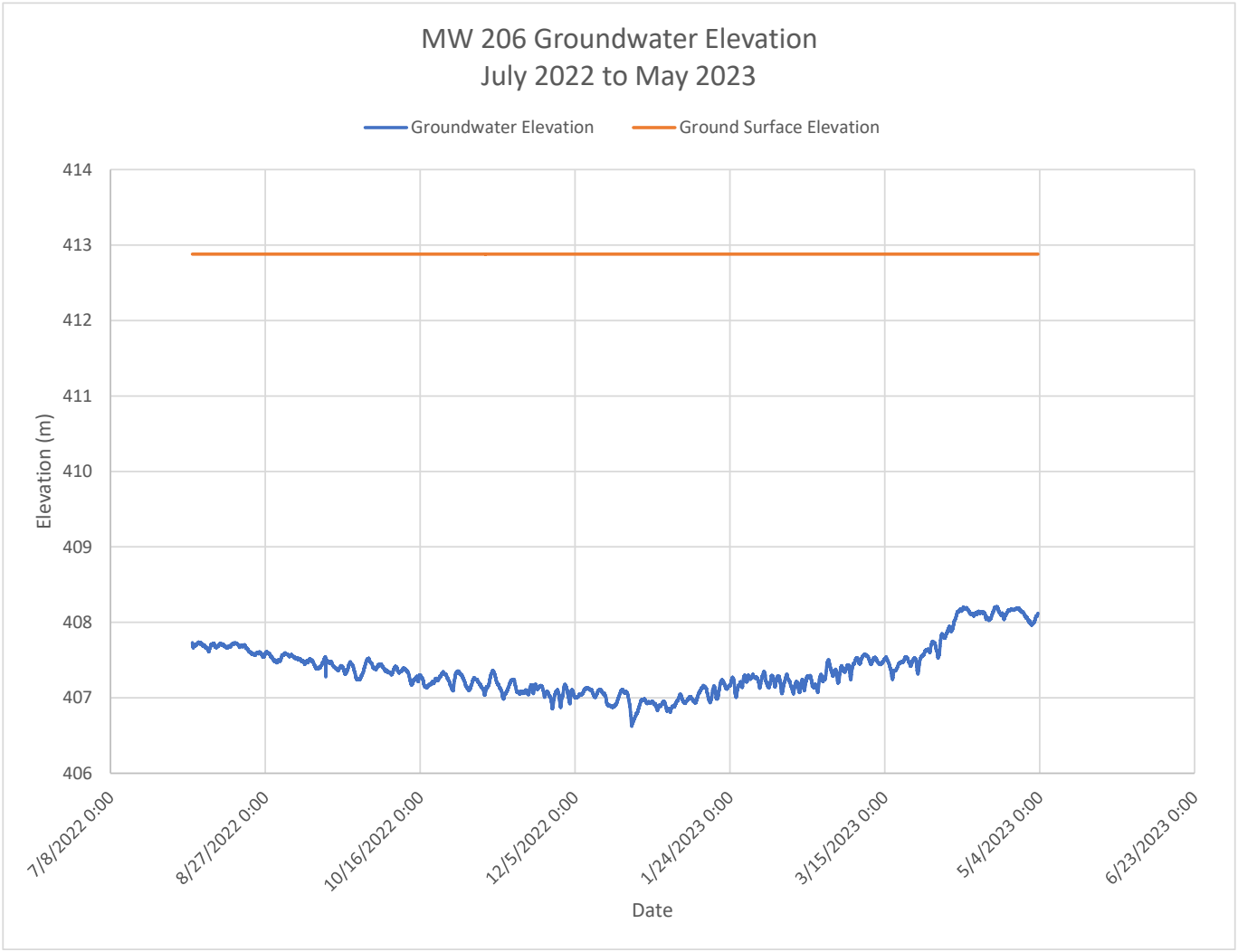
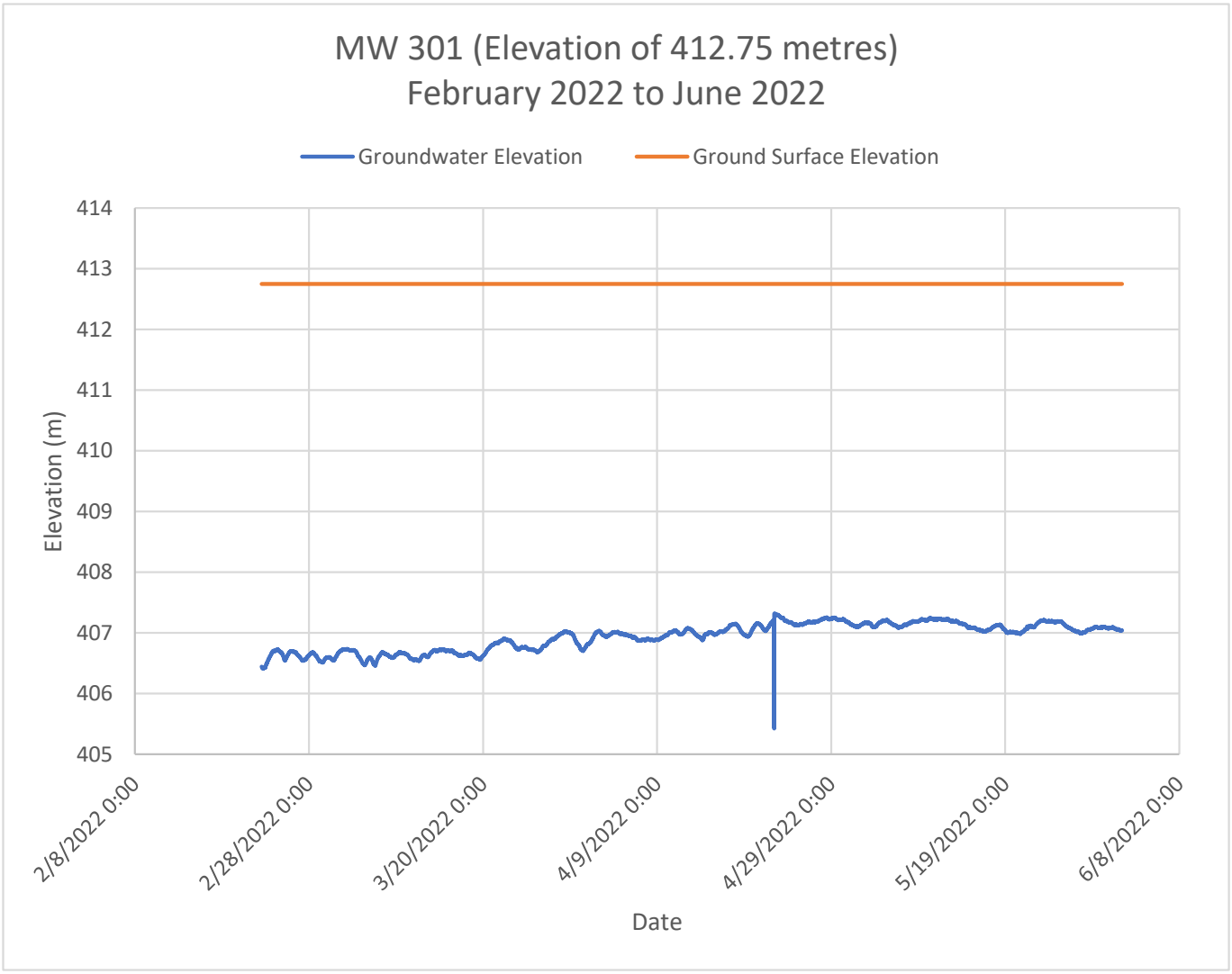
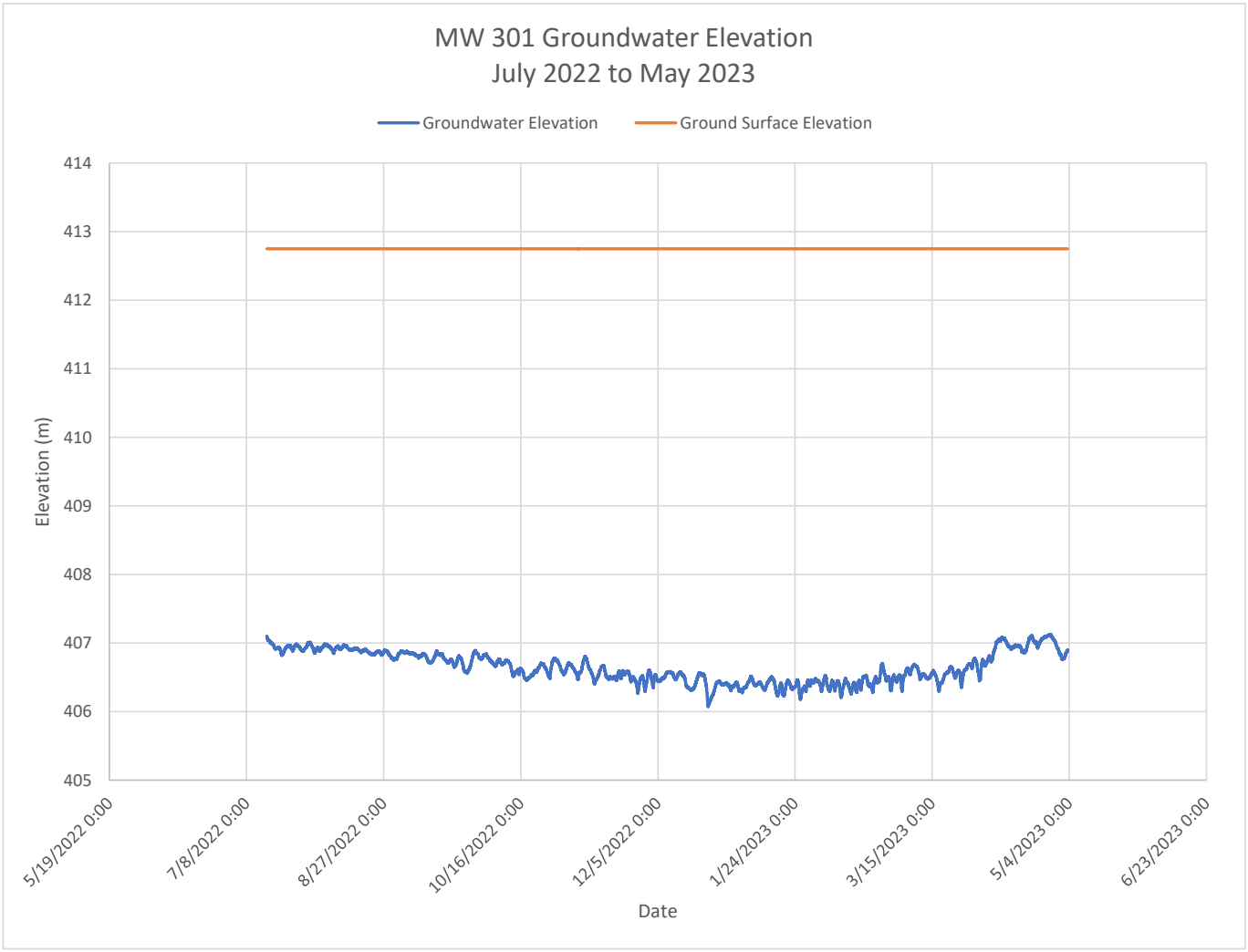
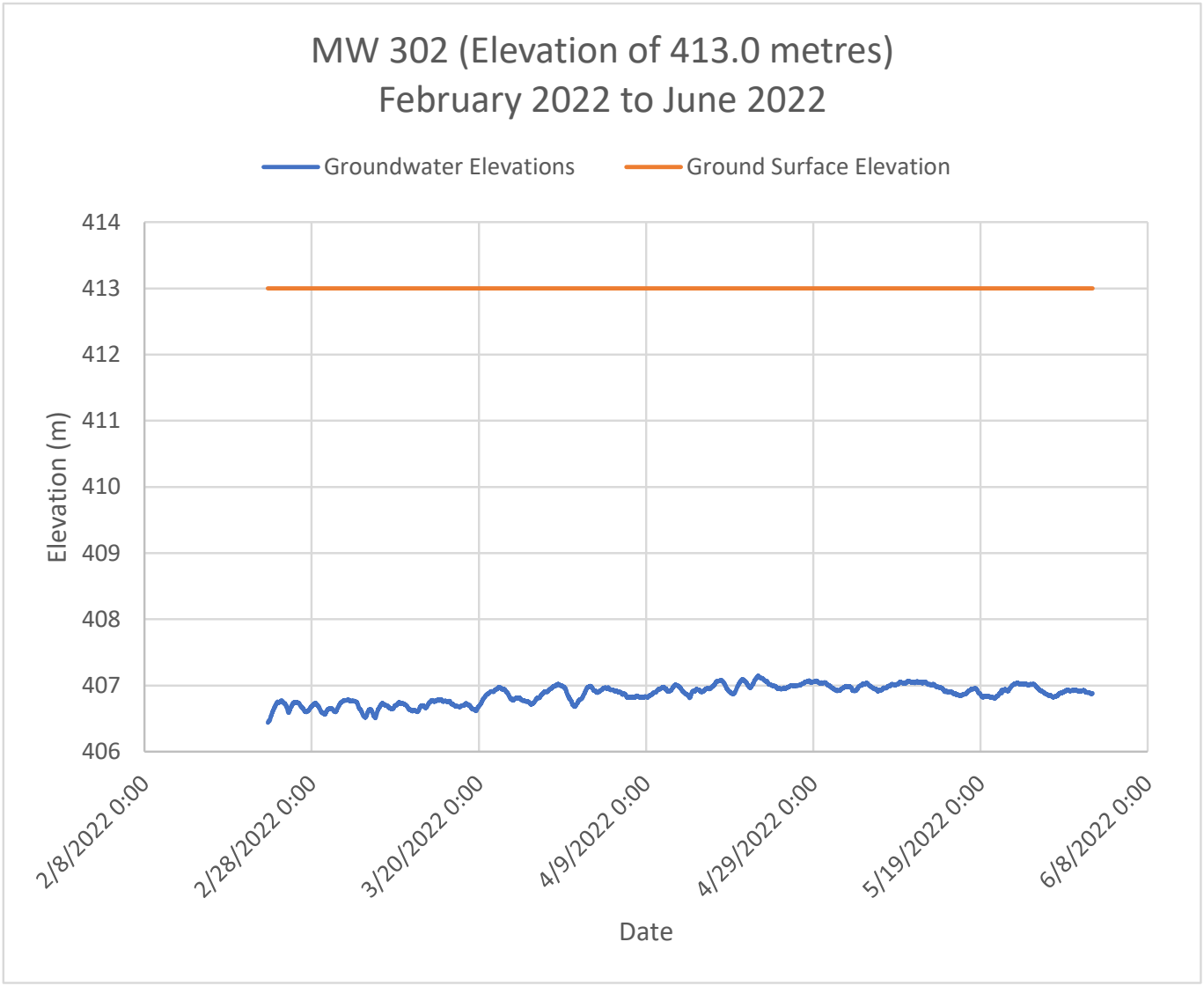
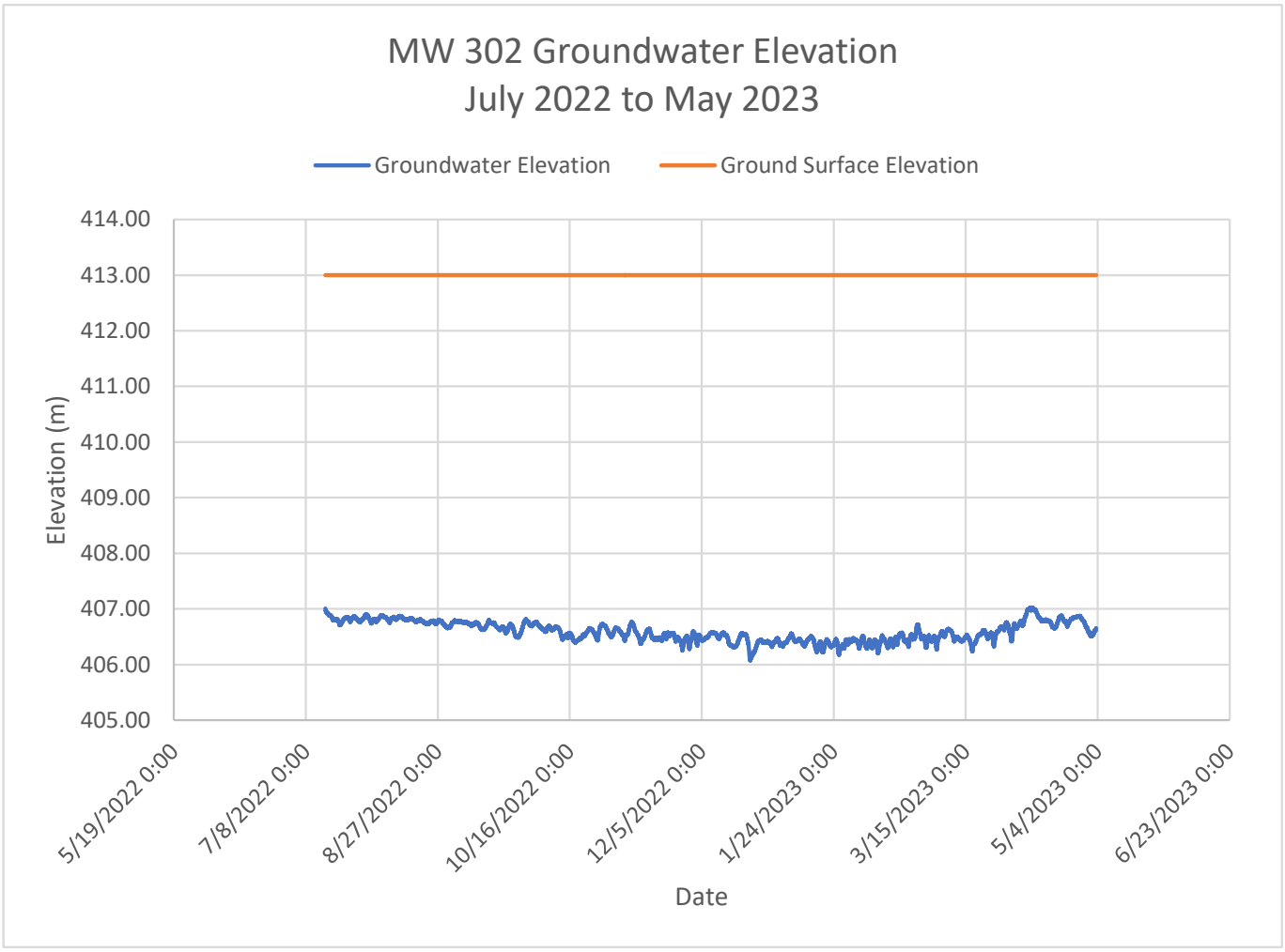
2/28/2022 0:00
3/20/2022 0:00
4/9/2022 0:00
4/29/2022 0:00
5/19/2022 0:00
6/8/2022 0:00
Date

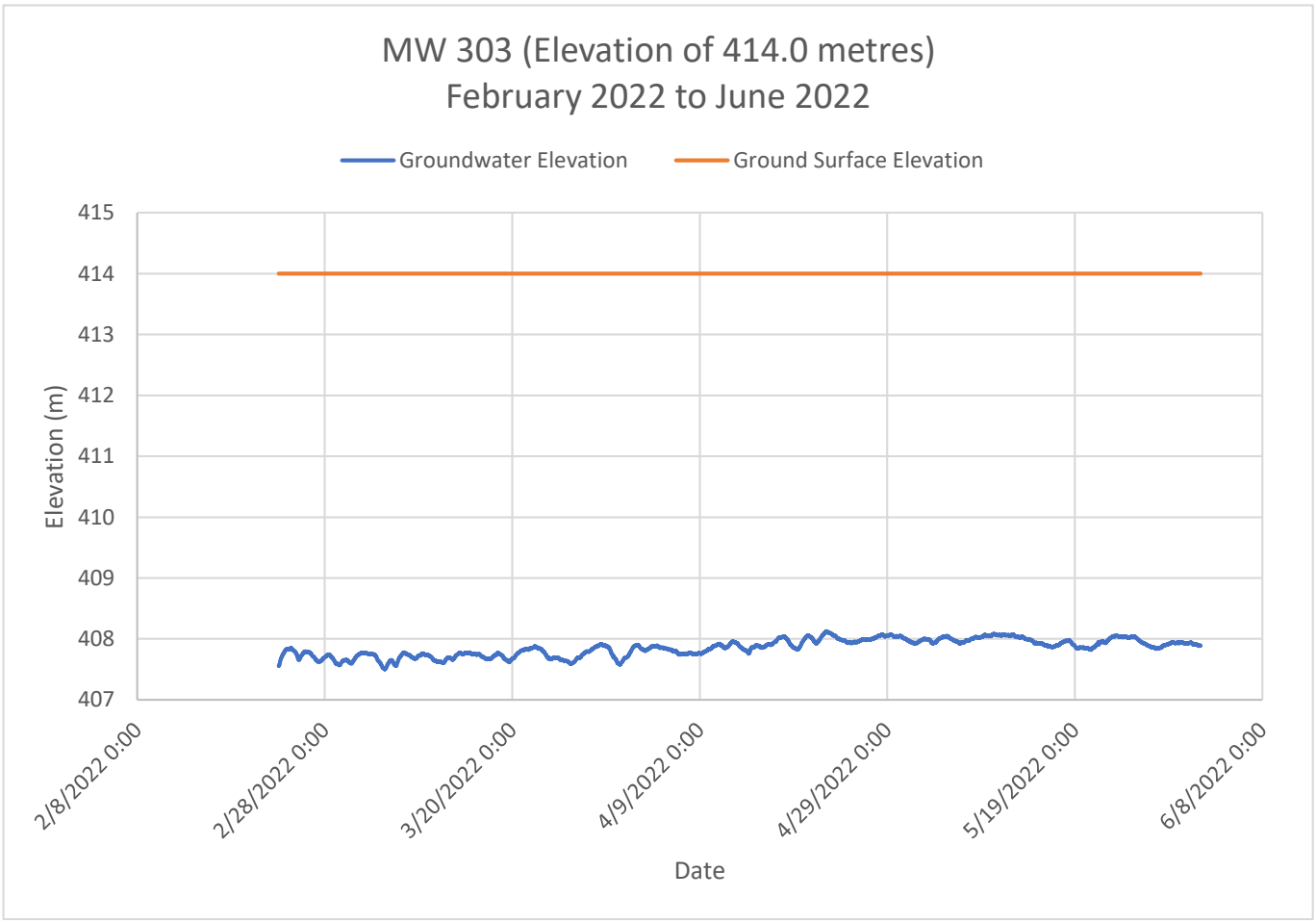

MW 206 Groundwater Elevation
July 2022 to May 2023
Groundwater Elevation
Ground Surface Elevation
414
413
412
411
410
409
408
407
406
Elevation (m)
7/8/2022 0:00
8/27/2022 0:00
10/16/2022 0:00
12/5/2022 0:00
1/24/2023 0:00
3/15/2023 0:00
5/4/2023 0:00
6/23/2023 0:00
Date

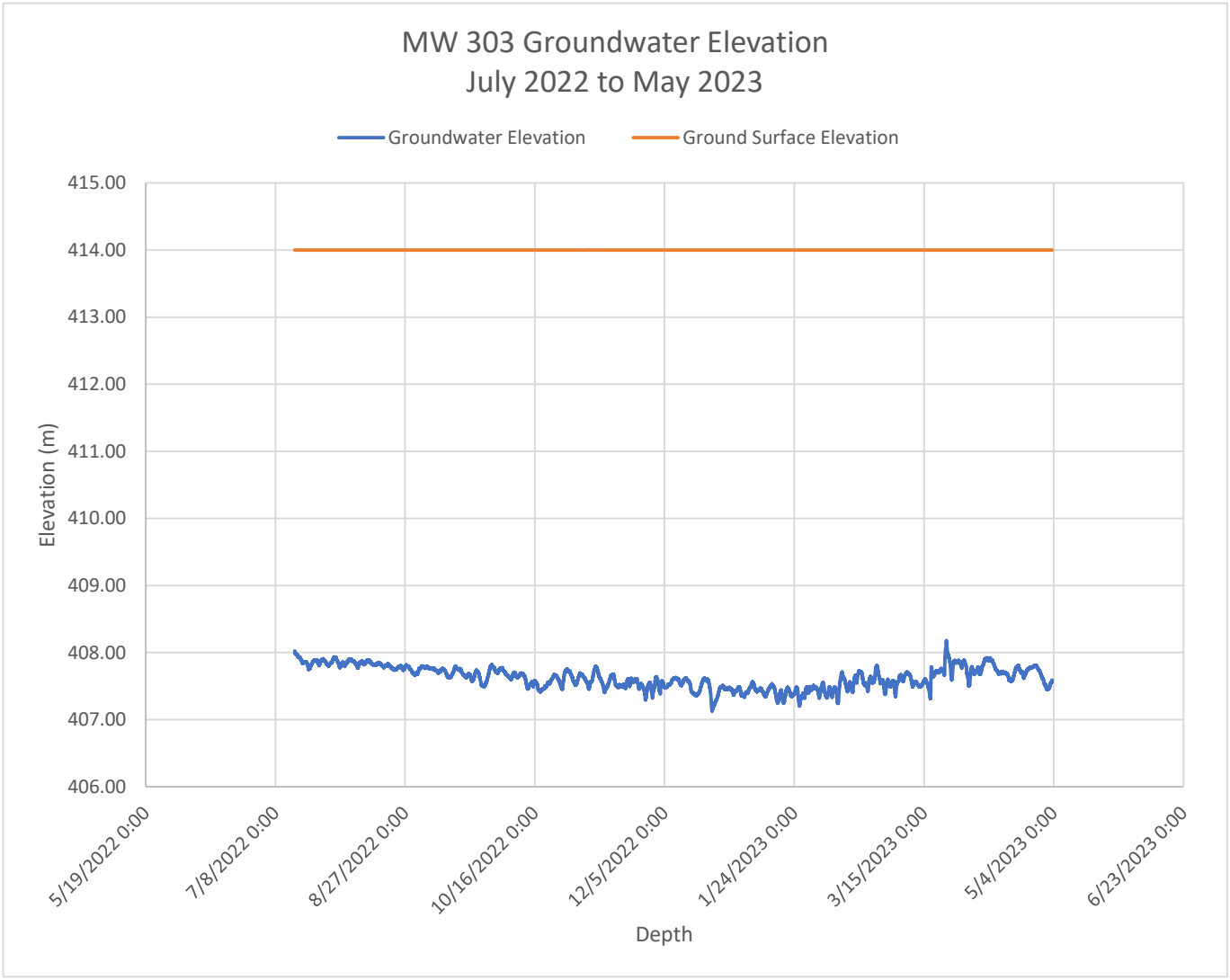

MW 301 (Elevation of 412.75 metres)
February 2022 to June 2022
Groundwater Elevation
Ground Surface Elevation
414
413
412
411
410
409
408
407
406
405
Elevation (m)
2/8/2022 0:00
2/28/2022 0:00
3/20/2022 0:00
4/9/2022 0:00
4/29/2022 0:00
5/19/2022 0:00
6/8/2022 0:00
Date

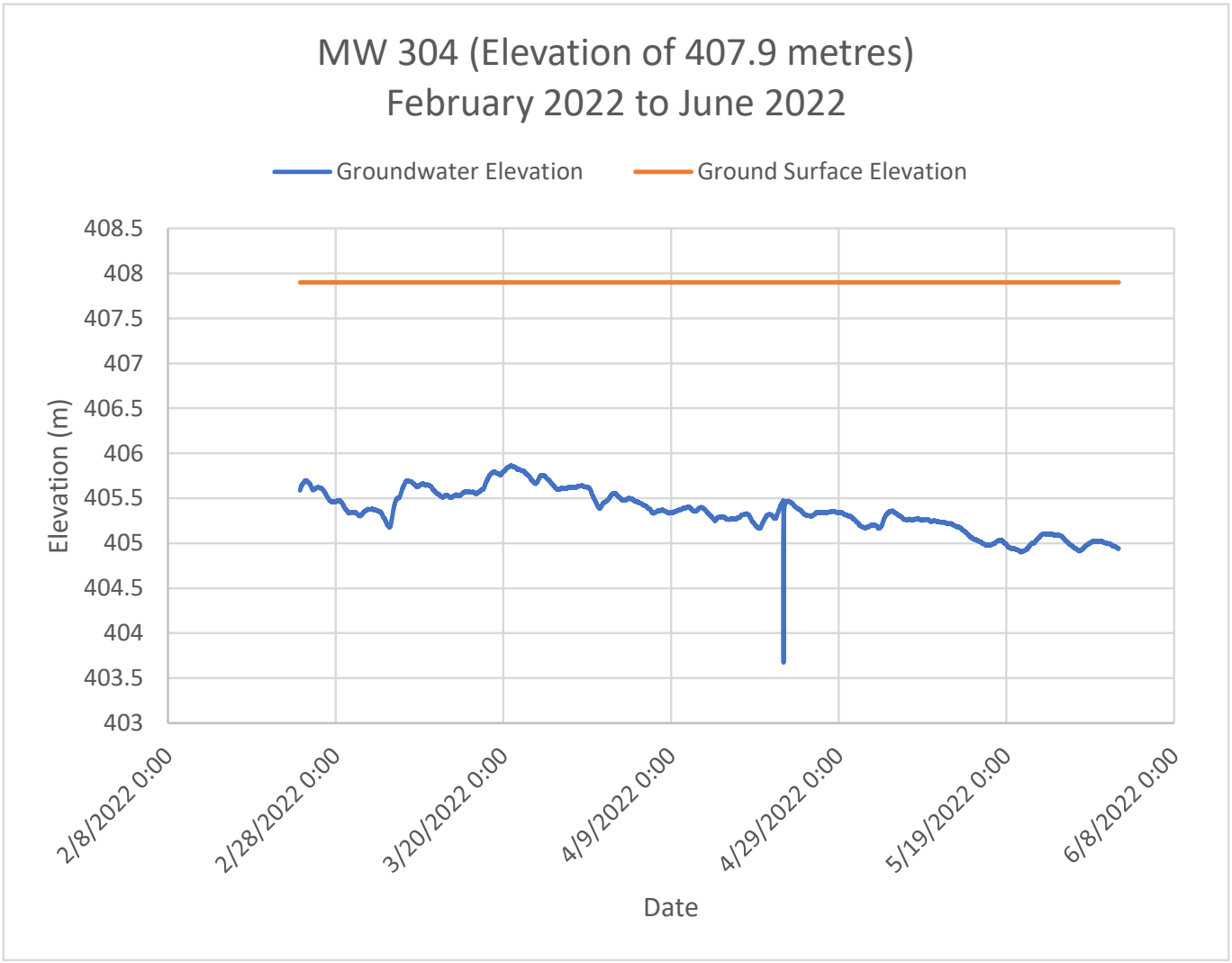

MW 301 Groundwater Elevation
July 2022 to May 2023
Groundwater Elevation
Ground Surface Elevation
414
413
412
411
410
409
408
407
406
405
Elevation (m)
5/19/2022 0:00
7/8/2022 0:00
8/27/2022 0:00
10/16/2022 0:00
12/5/2022 0:00
1/24/2023 0:00
3/15/2023 0:00
5/4/2023 0:00
6/23/2023 0:00
Date

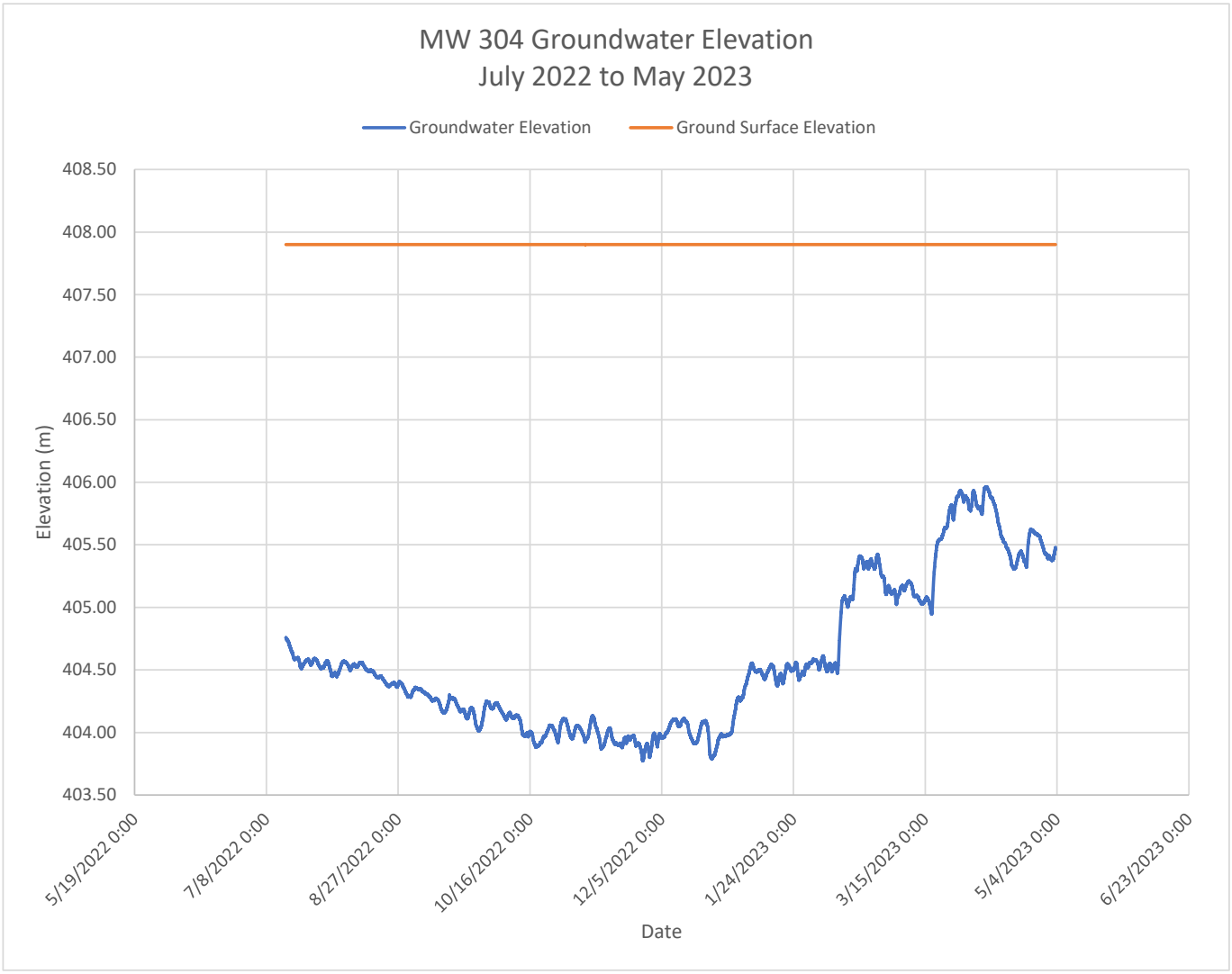

MW 302 (Elevation of 413.0 metres)
February 2022 to June 2022
Groundwater Elevations
Ground Surface Elevation
414
413
412
411
410
409
408
407
406
Elevation (m)
2/8/2022 0:00
2/28/2022 0:00
3/20/2022 0:00
4/9/2022 0:00
4/29/2022 0:00
5/19/2022 0:00
6/8/2022 0:00
Date

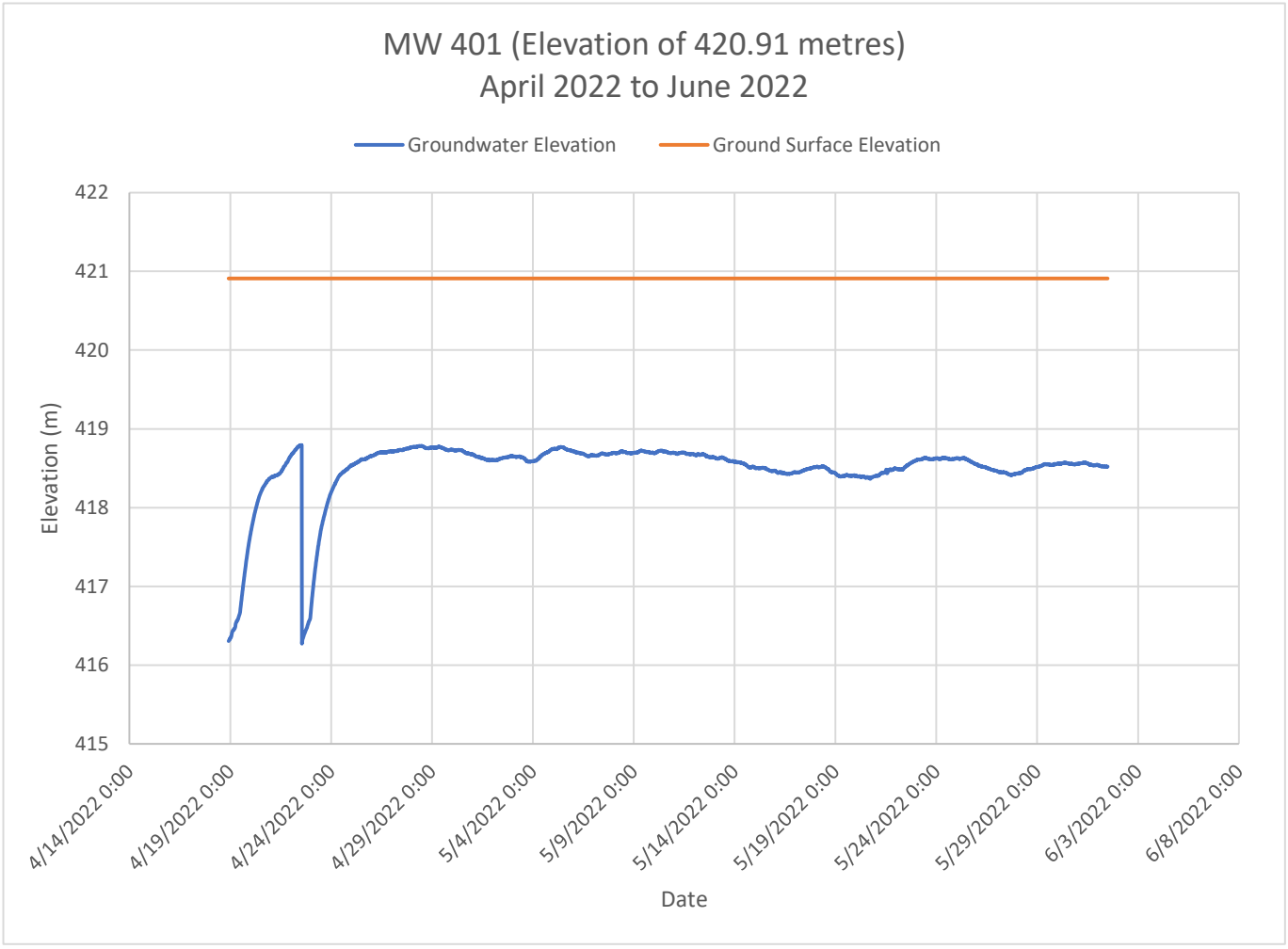

MW 302 Groundwater Elevation
July 2022 to May 2023
Groundwater Elevation
Ground Surface Elevation
414.00
413.00
412.00
411.00
410.00
409.00
408.00
407.00
406.00
405.00
Elevation (m)
5/19/2022 0:00
7/8/2022 0:00
8/27/2022 0:00
10/16/2022 0:00
12/5/2022 0:00
1/24/2023 0:00
3/15/2023 0:00
5/4/2023 0:00
6/23/2023 0:00
Date

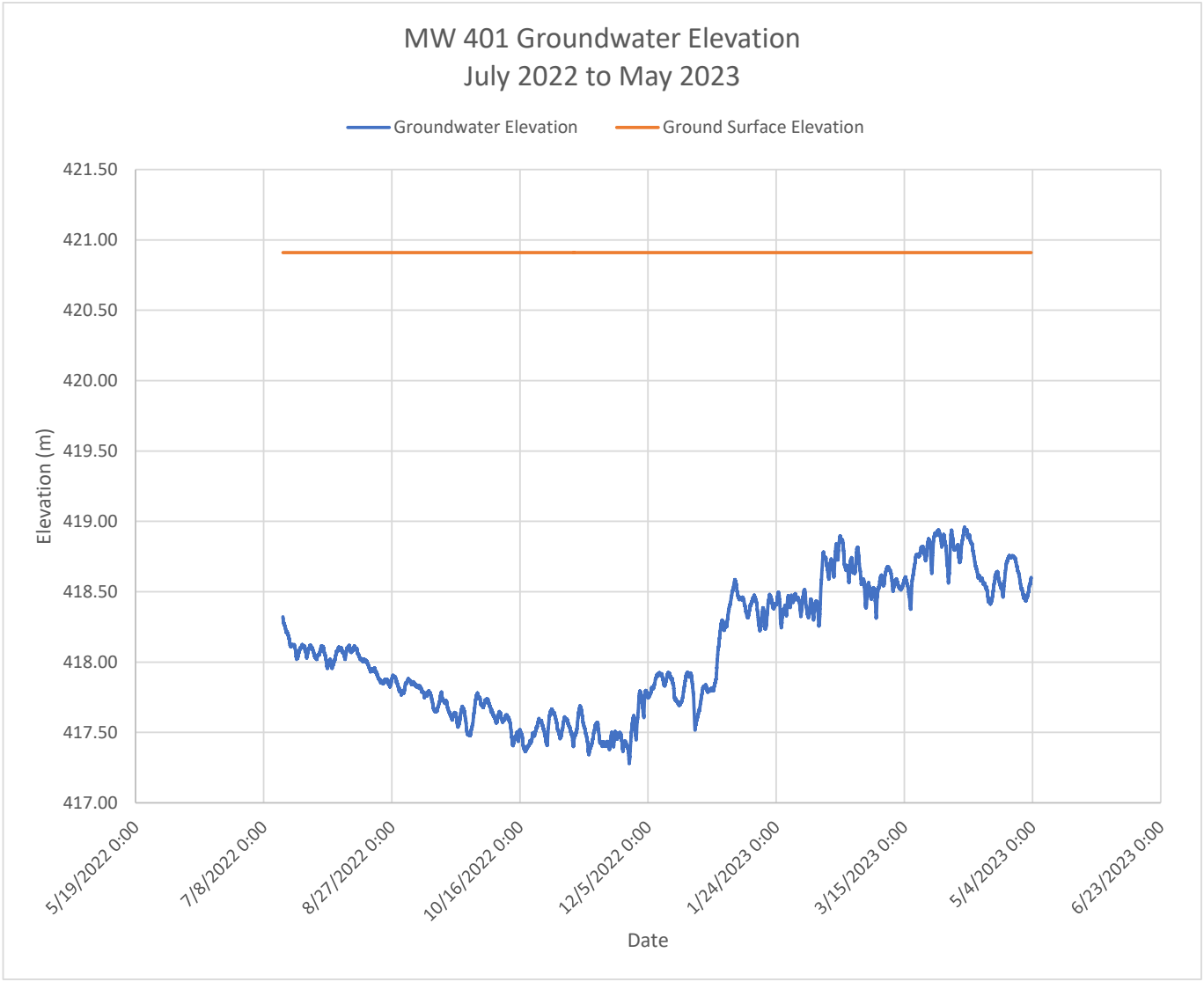

MW 303 (Elevation of 414.0 metres)
February 2022 to June 2022
Groundwater Elevation
Ground Surface Elevation
Elevation (m)
415
414
413
412
411
410
409
408
407
2/8/2022 0:00
2/28/2022 0:00
3/20/2022 0:00
4/9/2022 0:00
4/29/2022 0:00
5/19/2022 0:00
6/8/2022 0:00
Date

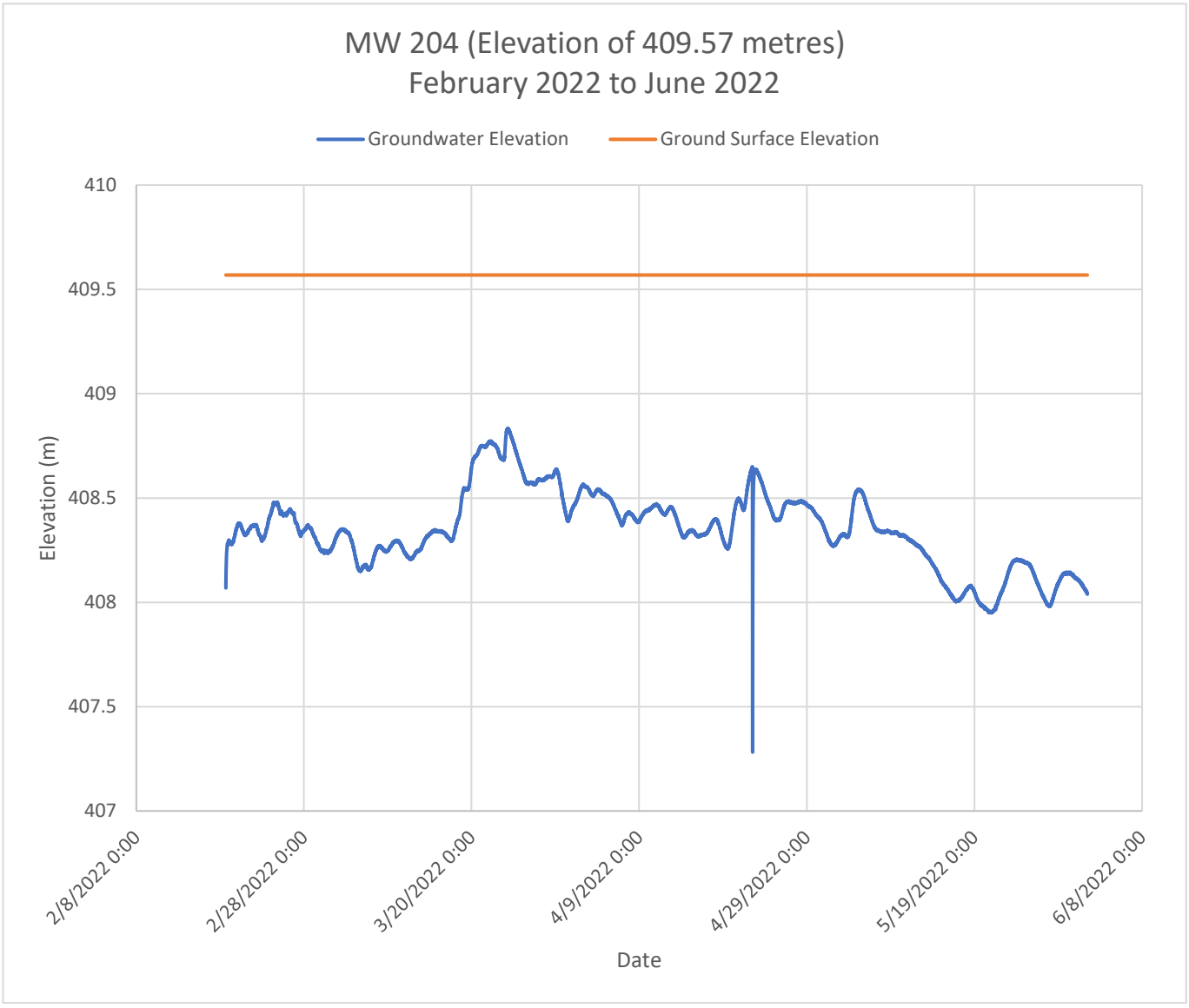

MW 303 Groundwater Elevation
July 2022 to May 2023
Groundwater Elevation
Ground Surface Elevation
415.00
414.00
413.00
412.00
411.00
410.00
409.00
408.00
407.00
406.00
Elevation (m)
5/19/2022 0:00
7/8/2022 0:00
8/27/2022 0:00
10/16/2022 0:00
12/5/2022 0:00
1/24/2023 0:00
3/15/2023 0:00
5/4/2023 0:00
6/23/2023 0:00
Depth

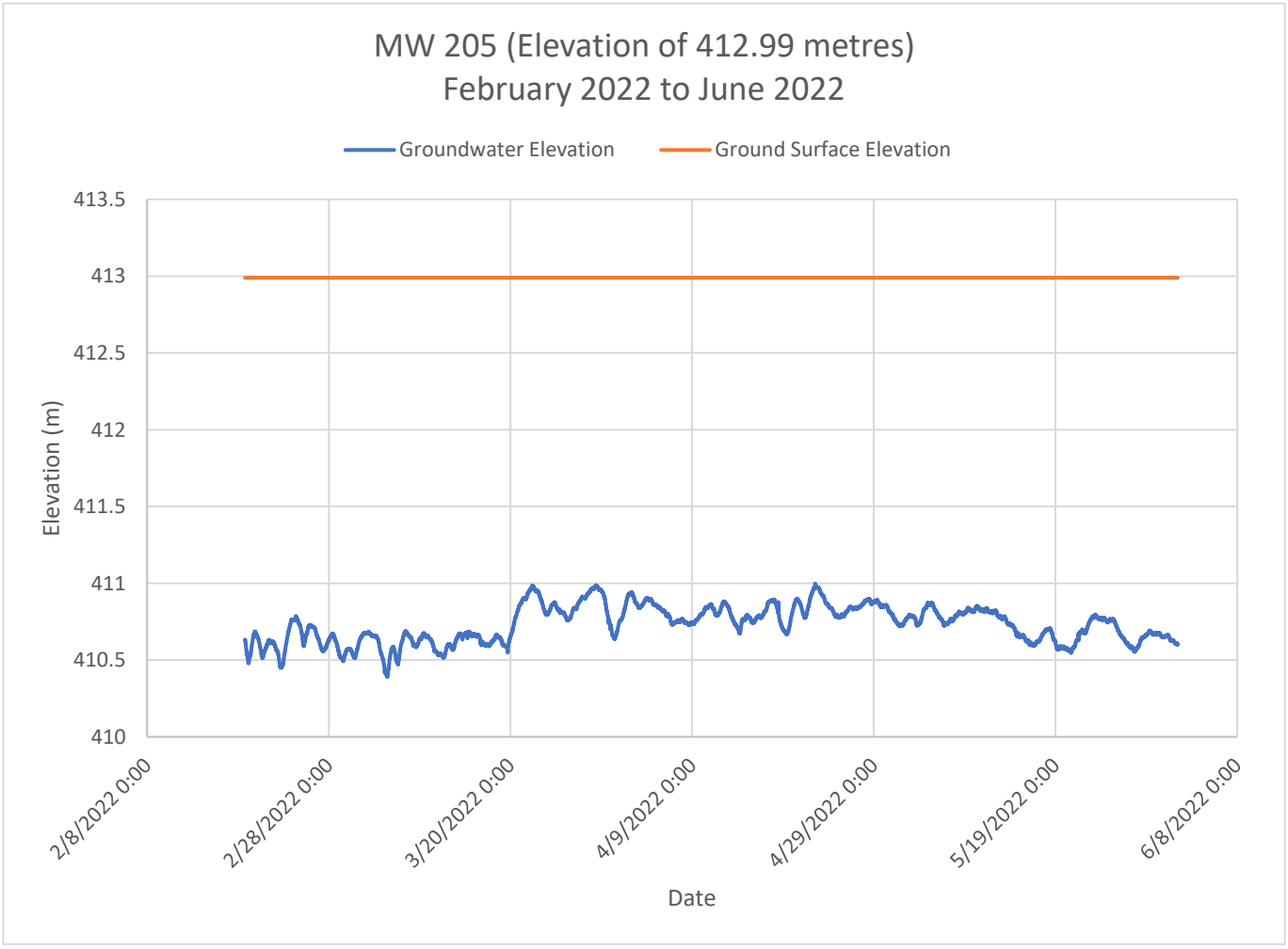

MW 304 (Elevation of 407.9 metres)
February 2022 to June 2022
Groundwater Elevation
Ground Surface Elevation
408.5
408
407.5
407
406.5
406
405.5
405
404.5
404
403.5
403
Elevation (m)
2/8/2022 0:00
2/28/2022 0:00
3/20/2022 0:00
4/9/2022 0:00
4/29/2022 0:00
5/19/2022 0:00
6/8/2022 0:00
Date

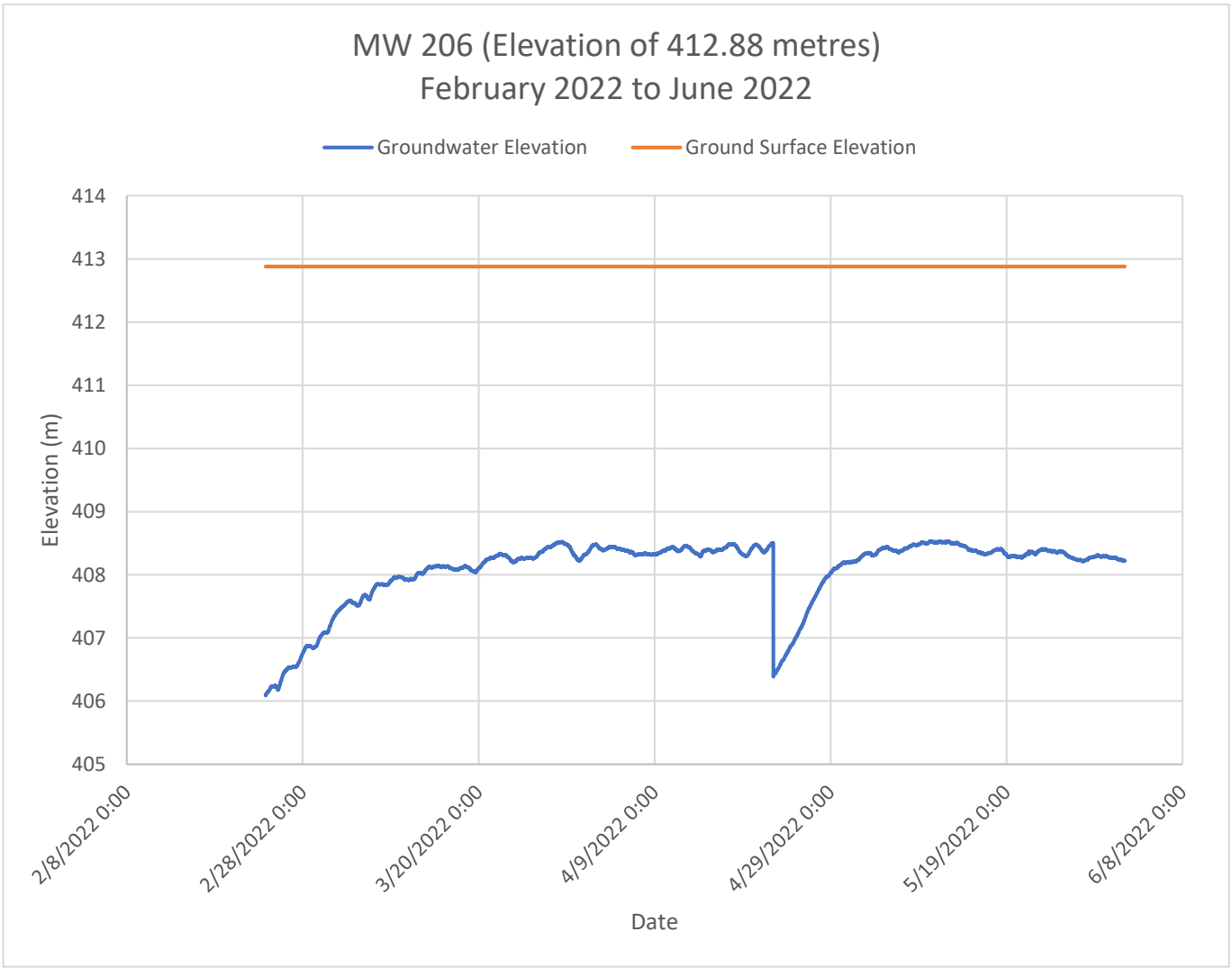

MW 304 Groundwater Elevation
July 2022 to May 2023
Groundwater Elevation
Ground Surface Elevation
408.50
408.00
407.50
407.00
406.50
406.00
405.50
405.00
404.50
404.00
403.50
Elevation (m)
5/19/2022 0:00
7/8/2022 0:00
8/27/2022 0:00
10/16/2022 0:00
12/5/2022 0:00
1/24/2023 0:00
3/15/2023 0:00
5/4/2023 0:00
6/23/2023 0:00
Date

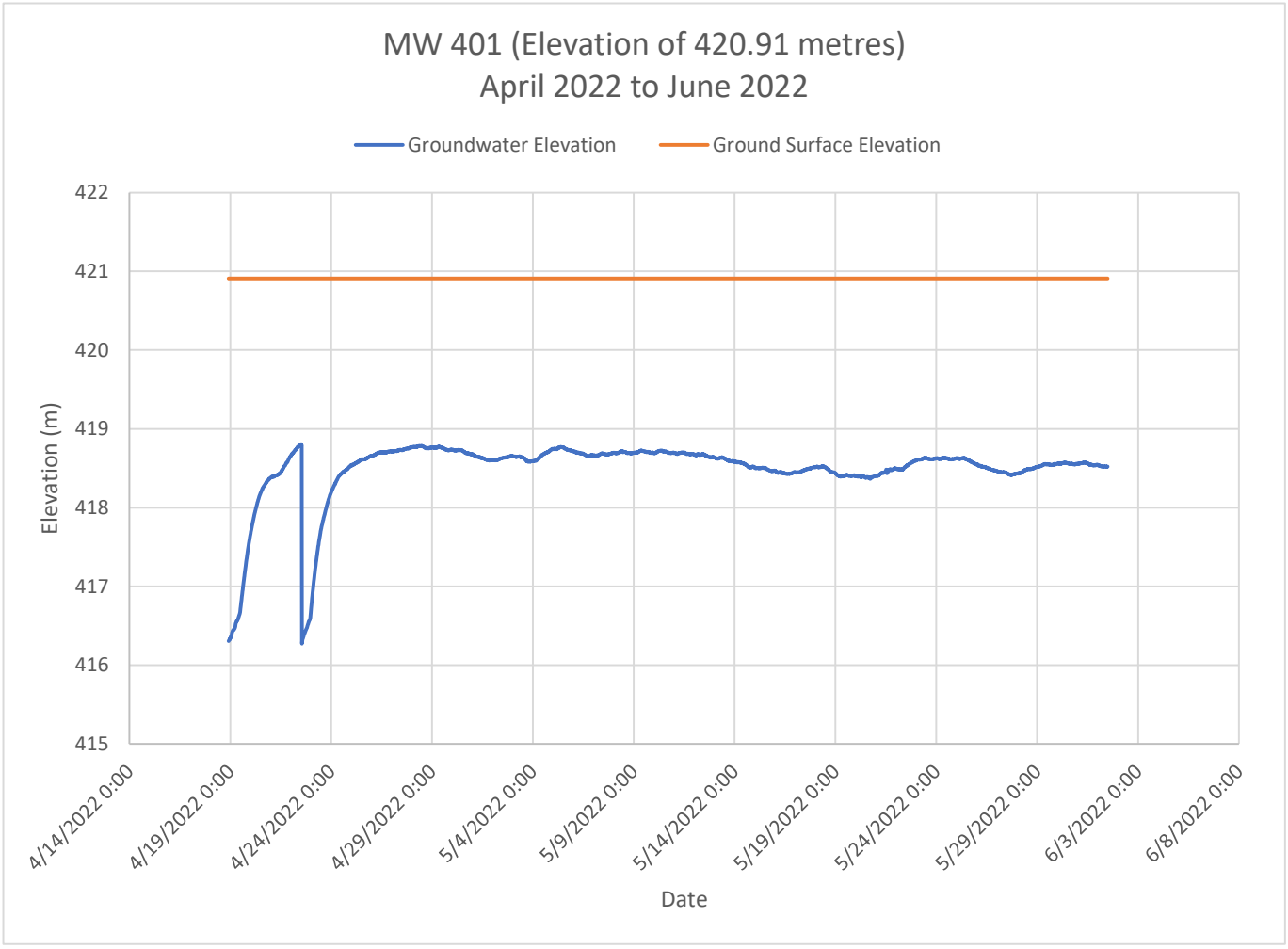

MW 401 (Elevation of 420.91 metres)
April 2022 to June 2022
Groundwater Elevation
Ground Surface Elevation
422
421
420
419
418
417
416
415
Elevation (m)
4/14/2022 0:00
4/19/2022 0:00
4/24/2022 0:00
4/29/2022 0:00
5/4/2022 0:00
5/9/2022 0:00
5/14/2022 0:00
5/19/2022 0:00
5/24/2022 0:00
5/29/2022 0:00
6/3/2022 0:00
6/8/2022 0:00
Date

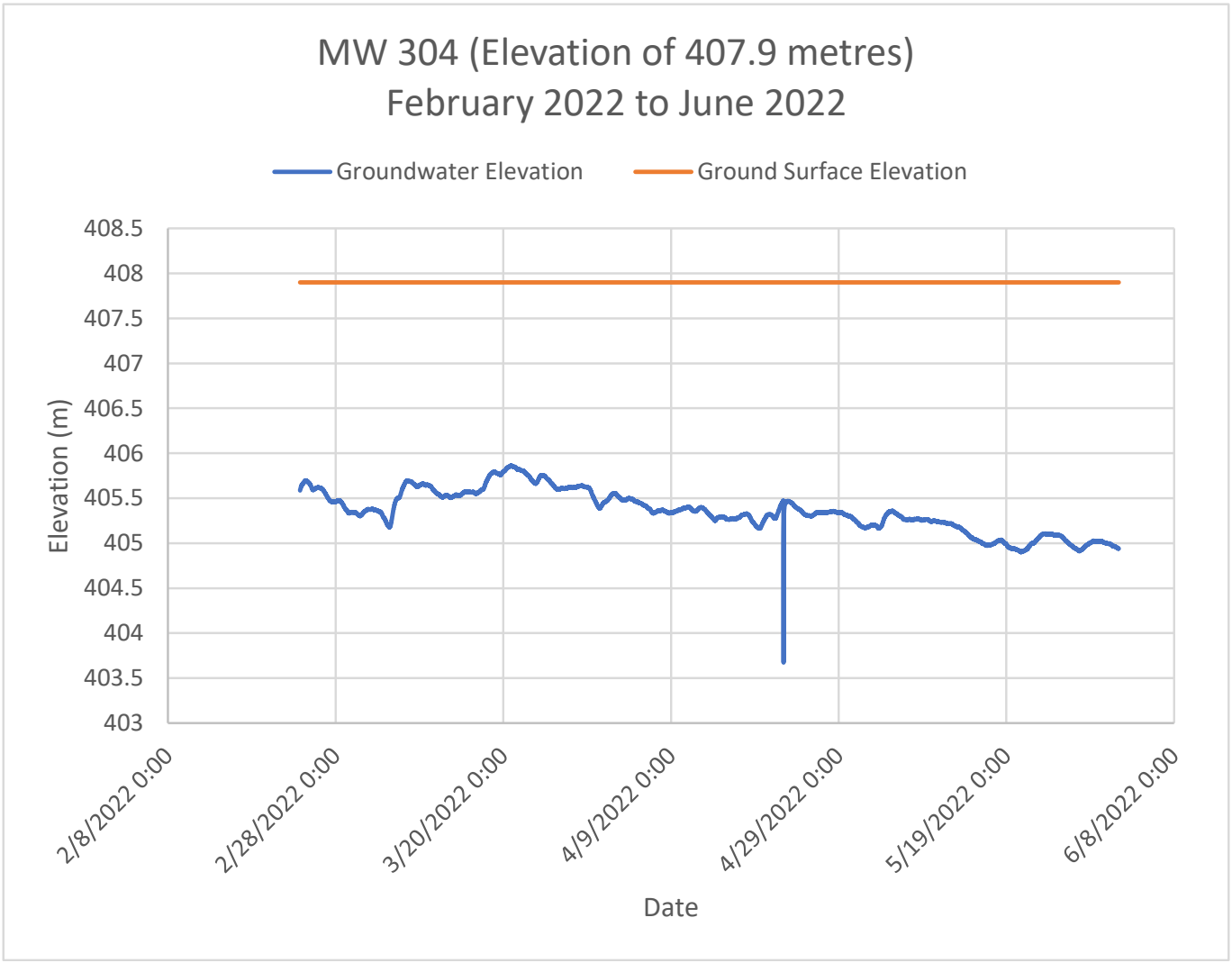

MW 401 Groundwater Elevation
July 2022 to May 2023
Groundwater Elevation
Ground Surface Elevation
421.50
421.00
420.50
420.00
419.50
419.00
418.50
418.00
417.50
417.00
Elevation (m)
5/19/2022 0:00
7/8/2022 0:00
8/27/2022 0:00
10/16/2022 0:00
12/5/2022 0:00
1/24/2023 0:00
3/15/2023 0:00
5/4/2023 0:00
6/23/2023 0:00
Date


MW 204 (Elevation of 409.57 metres)
February 2022 to June 2022
Groundwater Elevation
Ground Surface Elevation
410
409.5
409
408.5
408
407.5
407
Elevation (m)
2/8/2022 0:00
2/28/2022 0:00
3/20/2022 0:00
4/9/2022 0:00
4/29/2022 0:00
5/19/2022 0:00
6/8/2022 0:00
Date


MW 205 (Elevation of 412.99 metres)
February 2022 to June 2022
Groundwater Elevation
Ground Surface Elevation
413.5
413
412.5
412
411.5
411
410.5
410
Elevation (m)
2/8/2022 0:00
2/28/2022 0:00
3/20/2022 0:00
4/9/2022 0:00
4/29/2022 0:00
5/19/2022 0:00
6/8/2022 0:00
Date


MW 206 (Elevation of 412.88 metres)
February 2022 to June 2022
Groundwater Elevation
Ground Surface Elevation
414
413
412
411
410
409
408
407
406
405
Elevation (m)
2/8/2022 0:00
2/28/2022 0:00
3/20/2022 0:00
4/9/2022 0:00
4/29/2022 0:00
5/19/2022 0:00
6/8/2022 0:00
Date


MW 401 (Elevation of 420.91 metres)
April 2022 to June 2022
Groundwater Elevation
Ground Surface Elevation
422
421
420
419
418
417
416
415
Elevation (m)
4/14/2022 0:00
4/19/2022 0:00
4/24/2022 0:00
4/29/2022 0:00
5/4/2022 0:00
5/9/2022 0:00
5/14/2022 0:00
5/19/2022 0:00
5/24/2022 0:00
5/29/2022 0:00
6/3/2022 0:00
6/8/2022 0:00
Date


MW 304 (Elevation of 407.9 metres)
February 2022 to June 2022
Groundwater Elevation
Ground Surface Elevation
408.5
408
407.5
407
406.5
406
405.5
405
404.5
404
403.5
403
Elevation (m)
2/8/2022 0:00
2/28/2022 0:00
3/20/2022 0:00
4/9/2022 0:00
4/29/2022 0:00
5/19/2022 0:00
6/8/2022 0:00
Date