

**2025-2026 Annual Monitoring Report
Cumulative Impact Study
Cold Creek Development
112 Upper Lake Street, Picton, Ontario**

Prepared for:

Cold Creek Development

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Project Number: 240057-02

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1 Introduction

BluMetric Environmental (BluMetric®) has been retained by 2422092 Ontario Ltd. (the Client) to conduct a hydrogeological monitoring to assess the potential impact from the Cold Creek Development, which is currently under construction.

The development is located on lands legally described as Part of Lots 21 and 22, Concession 3 (Military Tract), including the residential property municipally known as 112 Upper Lake Street in Picton, Ontario (the “Site”). Site setting and hydrogeological conditions are described in detail in previous reports by BluMetric (2024 and 2025a). Previous reporting included a water balance assessment for the Site. Through the implementation of low impact development measures that enhance infiltration, the post-development landscape is designed to promote groundwater recharge and maintain the pre-development water balance.

The monitoring program is being implemented to address conditions of approval imposed by the Municipality of Picton through an amending motion dated February 11, 2025. These conditions required the development of Terms of Reference for a cumulative impact study to be prepared in consultation with the Warings Creek Improvement Association. The Terms of Reference were reviewed by the Association’s external reviewer and the Corporation of the County of Prince Edward’s hydrogeological reviewer, and were finalized on June 10, 2025 (BluMetric, 2025b).

1.1 Purpose

There are concerns related to off-site impacts to water quality during construction and post-development, with particular focus on turbidity and temperature of water discharged to the wetlands in the southwestern portion of the Site. The purpose of the cumulative impact study is to

- To establish a baseline characterization of the site; and,
- To provide water level and water quality monitoring during construction.

1.2 Annual Reporting

The Terms of Reference require that an annual report detailing monitoring results and interpretation, including groundwater contours, hydrographs, gradients, and maps of the wetted portion of the wetland, be produced for review by the County’s peer review hydrogeologist and submitted annually by the end of May; the first annual report is proposed to be submitted by May 31, 2026.

2 Monitoring

2.1 Water Level Monitoring

The water level monitoring network consists of twenty-four (24) monitoring wells, two (2) piezometer (PZ) staff gauge (SG) pairs, and two (2) stand-alone staff gauges. The locations of monitoring network are presented on **Figure 1**. Of the twenty-four (24) monitoring wells included in the program, six (6) were decommissioned, abandoned, or destroyed in 2025 due to construction: MWM, BH/MW24-01, BH/MW24-02, BH/MW24-04, BH/MW24-13, and BH/MW24-14. Well construction details are presented in **Table A-1** of **Appendix A**.

PZ/SG pairs are placed in the wetland ditching system south of the proposed development to assess conditions in downgradient of the development. PZ24-01 and PZ24-02, were installed in a deep dugout trench within the wetland on November 28th, 2025. SG25-01 and SG25-02 were installed at these locations, and SG25-03 and SG25-04 were installed in the ditch south of the wetland, north of Sandy Hook Road (County Road 1), on May 6, 2025. SG25-03 is installed in the dugout trench at the southwest corner of the site. SG25-04 is installed in the ditch beside the two side by side culverts which drain the north side of Sandy Hook Road southward, toward drainage features that ultimately connect to the headwaters of Warring's Creek.

Ground surface elevations within the wetland are lower than the culvert inverts; as a result, the wetland functions as an infiltration basin for much of the year, retaining water on the property.

Depth to groundwater was measured from onsite monitoring wells during thirteen (13) monitoring events between May 2023 and May 2026, and were measured quarterly, between May 2025 and May 2026. During the 2025-2026 monitoring period from May 2025 to May 2026, the observed groundwater levels ranged between 0.18 m bgs (BH/MW24-05 on April 20, 2026) and 6.24 m bgs (BH/MW24-07 on May 5, 2025). Water level depths and elevations can be found in **Table A-2** of **Appendix A**.

Figure 2 presents water level elevations measured at each monitoring well on September 24, 2025, representing the lowest synoptic groundwater levels observed on site during the 2025/2026 monitoring period. **Figure 3** presents water level elevations measured on April 20, 2026, representing the highest synoptic groundwater levels during the 2025/2026 monitoring period. Shallow groundwater flow at the subject property is interpreted to be consistent with overland drainage and to generally flow to the southwest toward the unevaluated wetland.

Vertical gradients were calculated at the three overburden/bedrock and two surface water/shallow groundwater nested monitoring locations between May 2025 and May 2026, these are presented in **Table A-3 of Appendix A**.

Generally, a downward hydraulic gradient between the overburden and bedrock wells was observed in areas of elevated topography (MW4 and MW2, and MW5 and MW3), whereas upward gradients were observed in areas of lower topography (BH/MW24-15 and BH/MW24-16, SG25-01/PZ24-01, and SG25-02/PZ24-02). This pattern indicates groundwater recharge in higher topographic areas and discharge in lower-lying areas, consistent with the interpreted drainage and groundwater flow regime at the Site.

It is noted that some shallow monitoring points were dry during late summer and early winter periods, indicating that the water table had declined. Under these conditions, the vertical hydraulic gradients may locally reverse, such that infiltrating surface water moves downward through the subsurface at these locations, rather than groundwater discharging upward.

2.1.1 Continual Groundwater Level Monitoring

Eight (8) monitoring wells (overburden: MW6, BH/MW24-03, BH/MW24-05, BH/MW24-13, BH/MW24-15; bedrock: MW2, BH/MW24-14, and BH/MW24-16), were instrumented with data logging transducers (data loggers). These devices measure water levels and temperatures. A separate data logger was also installed on site to record air pressure and air temperature.

- Hydrographs showing water level, and precipitation over time are provided in **Appendix B**. Precipitation values were reported by Environment and Climate Change Canada at the Point Petrie AUT station (6156559).
- Hydrographs showing water level, air temperature, and water temperature over time are provided in **Appendix C**.

Shallow groundwater levels in the overburden, particularly in low-lying areas such as MW6, BH/MW24-13, and BH/MW24-15, generally respond rapidly to precipitation, with water levels rising shortly after rainfall events. At MW6, located within the north-south valley running through the site, groundwater are measured near the ground surface since early March 2026, following the spring freshet, indicating that this portion of the site remains saturated, consistent with the previous year's monitoring results. The area surrounding MW6 is expected to be infilled and graded as part of the initial site works of the development.

BH/MW24-05, located near the quarry beyond the eastern perimeter of the site, exhibited a relatively dampened response to precipitation compared to the low-lying wells. BH/MW24-03, located in a more elevated area and screened in interlayered materials of lower and higher hydraulic conductivity, showed an even more subdued response. These differences suggest that topography and subsurface stratigraphy strongly influence groundwater level variability in response to recharge.

Within the bedrock, a dampened water level response to precipitation was observed at MW2, which is located in a more elevated area and is unlikely to be influenced by overland flow. In contrast, bedrock wells BH/MW24-14 and BH/MW24-16 exhibited water level fluctuations that closely mirrored those in nearby overburden wells BH/MW24-13 and BH/MW25-15 respectively. This suggests that the bedrock in that portion of the site is weathered and that there is good hydraulic connectivity between the overburden and the underlying bedrock at those locations.

Groundwater temperatures measured within monitoring wells ranged between 0.36°C (at BH/MW24-05; the well located near the quarry) to 17.15°C, with an average temperature of 9.1°C overall. Groundwater temperature changes in monitoring wells were generally gradual, with a few exceptions. BH/MW24-05 shows variations in temperature that correspond to changes in groundwater following rain events. This monitoring well, located near the quarry just beyond the eastern perimeter of the site, and these temperatures likely reflect a hydraulic connection between the subsurface at this location and the water in the nearby quarry. Smaller variations in observed temperature were recorded at MW6 in early winter, coinciding with large fluctuations in water table levels interpreted as recharge events.

The results of the water level measurements and temperatures for the 2025/2026 monitoring period from monitored wells are similar to the results collected at the loggers starting in December 2024.

2.1.2 Continual Wetland Level Monitoring

Both piezometers, the four (4) staff gauges located in the wetland and the ditches south of the wetland were also instrumented with data loggers. Water levels in the shallow piezometers and staff gauge pairs at PZ24-01/ SG25-01¹ and PZ24-02/ SG25-02. Are generally very similar with only small differences in head between the two points when standing water is observed at the staff gauges.

¹ Note that both the datalogger installed in the piezometers were found to have downloading issues over the winter. These were re-deployed; however, the datalogger in PZ24-01 seems to continue to malfunction and will be checked during the next monitoring event.

The water levels in the shallow piezometers are above the ground surface following the spring freshet in early March of 2025 at both locations, and then gradually decline starting in early June of 2025 parallel to the water levels measured at the staff gauges. There is no standing water recorded at either wetland monitoring location starting in mid-July until the following spring freshet in early March of 2026.

Water temperature changes in the two shallow piezometers were generally gradual with some small variation corresponding with the spring freshet. In contrast, surface water temperatures recorded by data loggers at the staff gauge exhibited greater variability than the shallow groundwater temperatures. The periods of high variability in the staff gauge records when no water was present represent measurements of air temperature rather than surface water.

Water levels and temperatures captured at the staff gauges installed in the ditch south of the wetland, SG25-03 and SG25-04, had similar trend to that observed at the staff gauges in the wetland. SG25-03 located at a similar elevation as the staff gauges in the wetland (SG25-01 and SG25-02); no standing water is observed between mid-July 2025 and early March 2026, and maximum standing water depth of approximately 0.55 m. SG25-04, is located at a slightly higher elevation, no standing water is observed in mid-June of 2025 to early-March, and the maximum standing water depth is approximately 0.2 m.

These observations suggest that the wetland has substantial water storage capacity and that surface water does not flow continuously through the culvert to the drainage features that ultimately connect to the headwaters of Warring's Creek.

2.2 Water Quality

Turbidity measurements were collected at the four (4) staff gauge locations. These are presented in **Table A-4 of Appendix A**. Measured turbidity ranged from 0 to 2.24 Nephelometric Turbidity unit (NTU); maximum recorded at SG25-04 on April 20, 2026. All locations were dry during the September and December 2025 monitoring events.

2.3 Field Photos

Field photographs of field conditions are provided in **Appendix D**. In May 2025 and April 2026 a considerable amount of water was observed in the wetland; in September and December 2025 no standing water was observed at the staff gauge locations.

3 Summary of Results

Site grading commenced in summer 2025. Groundwater levels in monitoring wells and wetland monitoring locations remained consistent with pre-construction conditions. Water level measurements recorded at staff gauge SG25-04 indicate that standing water was present for a few months, from early March to early June. During this period, only a small amount of standing water, to a maximum depth of approximately 0.2 m, was observed at the culvert, indicating that there is minimal surface water discharge from the ditch south of the Site, and that most water is retained within the wetland.

These observations indicate that the wetland has substantial water storage capacity and that only a small amount of surface water flow seasonally through the culvert to downstream drainage features connected to the headwaters of Warring's Creek. Furthermore, surface water discharging from the culvert has low turbidity.

4 Recommendations

The current monitoring well network will be maintained as part of the ongoing monitoring program to assess seasonal groundwater conditions. When monitoring wells are no longer needed, they must be decommissioned in compliance with relevant regulations (i.e. R.R.O. 1990, Reg. 903: WELLS).

5 Closure

The information and opinions expressed in this Hydrogeological Assessment and Water Balance Study are prepared for the sole benefit of Cold Creek Development (2422092 Ontario Ltd.) No other party may use or rely upon this report or any portion thereof without the express written consent of BluMetric.

Regards,
BluMetric Environmental Inc.



Dana Kavanagh, B.Sc., C.Tech.
Environmental Technician



Jacqueline Brook, M.Sc., P.Geo.
Senior Hydrogeologist

6 References

BluMetric Environmental Inc. 2024. Hydrogeological Assessment and Water Balance Study, Cold Creek Development Site, Picton, Ontario. Prepared for 2422092 Ontario Ltd. Dated 11 December 2024.

BluMetric Environmental Inc. 2025a. Updated Phase 1 Hydrogeological Assessment and Water Balance Study, Cold Creek Development Site, Picton, Ontario. Prepared for 2422092 Ontario Ltd. Dated 3 September 2025.

BluMetric Environmental Inc. 2025b. *Terms of Reference for Hydrogeological and Cumulative Impact Studies, Part of Lots 21 and 22, Concession 3 (Military Tract), Picton, Ontario*. Dated 10 June 2025

Figures





LEGEND

- Monitoring Well (BluMetric, 2024a)
- Monitoring Well (BluMetric, 2024c)
- Monitoring Well (by Pinchin®)
- Monitoring Well (BluMetric, December 2024)
- Piezometric Monitor,(BluMetric, 2024a)
- Monitoring Well (Other)
- Staff Gauge (BluMetric, 2025)
- Abandoned/Destroyed Monitoring Well
- Watercourse (MNR, 2019)
- Site Boundary

REFERENCES

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CLIENT

2422092 Ontario Ltd.

PROJECT

Cold Creek Development
Annual Monitoring Report - Cumulative
Impact Study

TITLE

Site Plan

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PROJECT #		DATE	
240057-02		May 15, 2026	
DRAWN	CHECKED	FIG NO.	REV
EB	JB	01	0



LEGEND

- Monitoring Well (BluMetric, 2024a)
- Monitoring Well (BluMetric, 2024c)
- Monitoring Well (by Pinchin®)
- Monitoring Well (BluMetric, December 2024)
- Piezometric Monitor,(BluMetric, 2024a)
- Monitoring Well (Other)
- Staff Gauge (BluMetric, 2025)
- Abandoned/Destroyed Monitoring Well
- Contour Line (1m)
- Interpreted Shallow Groundwater Elevation Contours (m asl) – April 2026
- Inferred Flow Direction
- Site Boundary
- Wetted Area
- 91.90 Water Level Elevation in overburden (m asl)
- 89.61 Dry well – Well bottom elevation (m asl)
- 92.31 Water Level Elevation in bedrock (m asl)

REFERENCES

NOTES: NECESSARY INFORMATION MAY NOT BE REPRODUCED OR DIVULGED WITHOUT PRIOR WRITTEN CONSENT OF BLUMETRIC ENVIRONMENTAL INC. Distances are in metres above sea level. THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

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CLIENT

2422092 Ontario Ltd.

PROJECT

**Cold Creek Development
Annual Monitoring Report - Cumulative
Impact Study**

TITLE

**Overburden Groundwater Elevations - High
(April 20, 2026)**

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PROJECT # 240057-02		DATE May 15, 2026	
DRAWN EB	CHECKED JB	FIG NO. 03	REV 0

Appendix A

Tables

Table A-1: Well Construction Information
2025-2026 Annual Monitoring Report
Cold Creek Development Site
112 Upper Lake Street, Picton, Ontario

Well Name	UTM Zone 18T		Installation Date	Ground Surface Elevation	Top of Casing Elevation	Stick up	Top of Screen	Bottom of Screen	Top of Screen	Bottom of Screen	Screened Lithology	Notes
	Easting	Northing		(m asl)	(m asl)	(m)	(m bgs)	(m bgs)	(m asl)	(m asl)		
MW-OT-01	326,522	4,873,716	-	95.56	96.46	0.90	-	6.02	-	89.54	Likely Bedrock	Monitoring well installed by others. No construction information was provided. Bottom of the screen was measured in the field on December 19th, 2024.
MW-OT-02	326,691	4,873,469	-	93.53	94.34	0.81	-	5.91	-	87.62	Likely Bedrock	
MW-OT-03	326,861	4,873,601	-	90.72	91.6	0.88	-	6.05	-	84.67	Unknown	
MW-OT-04	326,767	4,873,320	-	94.64	95.47	0.83	-	6.01	-	88.63	Likely Sandy Overburden	Monitoring well installed by Pinchin ® near MW1 and MW6
MWM	326,993	4,873,963	-	93.75	94.74	0.99	-	-	-	-	Unknown	
MW1	326,967	4,874,035	2023-May-25	94.48	95.42	0.94	1.07	2.29	93.41	92.19	Sand / Sand and Gravel	Borehole drilled to refusal.
MW2	326,802	4,873,973	2023-May-25	96.38	97.17	0.79	4.27	7.32	92.11	89.07	Limestone Bedrock	
MW3	326,560	4,873,851	2023-May-25	96.87	97.74	0.87	15.24	18.29	81.63	78.58	Limestone Bedrock	
MW4	326,803	4,873,973	2023-July-26	96.45	97.4	0.95	1.02	1.95	95.43	94.50	Silty Sand	Borehole drilled to refusal.
MW5	326,557	4,873,840	2023-July-26	96.95	97.91	0.96	1.07	1.37	95.88	95.58	Silty Sand	Borehole drilled to refusal.
MW6	326,864	4,873,865	2023-July-26	92.62	93.65	1.03	0.91	2.44	91.71	90.18	Silty Sand	Borehole drilled to refusal.
BH/MW24-01	327,039	4,874,041	2024-May-22	96.33	97.15	0.82	4.57	6.10	91.76	90.23	Silty Sand	
BH/MW24-02	327,150	4,874,050	2024-May-22	95.76	96.63	0.87	2.13	3.66	93.63	92.10	Silty Sand / Clayey Sand	
BH/MW24-03	327,121	4,873,945	2024-May-22	96.39	97.32	0.93	4.57	6.10	91.82	90.29	Silty Clay / Clay / Sand	
BH/MW24-04	327,175	4,873,801	2024-May-23	97.23	97.19	-0.04	6.10	7.62	91.13	89.61	Sand and Gravel	
BH/MW24-05	326,897	4,873,679	2024-May-23	90.74	91.69	0.95	0.91	2.44	89.83	88.30	Silty Sand / Sand	
BH/MW24-06	326,855	4,873,511	2024-May-24	94.13	94.05	-0.08	3.05	4.57	91.08	89.56	Sand and Gravel	
BH/MW24-07	326,809	4,873,380	2024-May-23	95.61	96.32	0.71	5.33	6.86	90.28	88.75	Sand and Gravel	
BH/MW24-08	326,667	4,873,209	2024-May-23	92.7	93.6	0.90	3.05	4.57	89.65	88.13	Sand	
BH/MW24-12	326,569	4,873,763	2024-Dec-12	95.98	96.75	0.77	29.57	32.61	66.41	63.37	Limestone Bedrock	No notable water bearing fracture
BH/MW24-13	326,689	4,873,604	2024-Dec-12	90.28	91.06	0.78	1.24	2.77	89.04	87.51	Sand / Sand and Gravel	Borehole drilled to refusal.
BH/MW24-14	326,660	4,873,612	2024-Dec-13	90.76	91.59	0.83	4.27	7.32	86.49	83.44	Limestone Bedrock	-
BH/MW24-15	326,480	4,873,455	2024-Dec-13	90.18	90.98	0.8	1.22	2.74	88.96	87.44	Silty Sand and gravel	Borehole drilled to refusal.
BH/MW24-16	326,483	4,873,457	2024-Dec-16	90.2	90.92	0.72	3.96	7.01	86.24	83.19	Bedrock (weathered)	Notable fractures at 14.5 - 19.5 and 22 m
PZ24-01	326,551	4,873,345	2024-Nov-28	88.07	88.84	0.77	0.21	1.12	87.86	86.95	-	-
PZ24-02	326,430	4,873,273	2024-Nov-28	88.05	89.53	1.48	0.48	1.39	87.58	86.67	-	-
SG25-01	326,552	4,873,359	2024-Dec-13	88.07	89.35	1.28	n/a	n/a	n/a	n/a	n/a	Adjacent PZ24-01
SG25-02	326,435	4,873,296	2024-Dec-16	88.05	89.434	1.38	n/a	n/a	n/a	n/a	n/a	Adjacent PZ24-02
SG25-03	326,392	4,873,232	2024-Nov-28	88.2	89.6	1.40	n/a	n/a	n/a	n/a	n/a	SW corner of property
SG25-04	326,267	4,873,279	2024-Nov-28	88.5	90.087	1.59	n/a	n/a	n/a	n/a	n/a	Culvert west of property

Notes:

m - meter
m asl - meters above sea level
m bgs - meters below ground surface
UTM - Universal Transverse Mecator
- Bedrock well
n/a -not applicable

Table A-2: Groundwater Level
2025-2026 Annual Monitoring Report
Cold Creek Development Site
112 Upper Lake Street, Picton, Ontario

Well Name	UTM Zone 18T		Ground Surface Elevation	Top of Casing Elevation	Measured Stick up	Top of Screen	Bottom of Screen	2023-May-25			2023-May-29			2023-Jun-23		
								Field Measurement	WL Below Ground	Approximate WL Elev.	Field Measurement	WL Below Ground	Approximate WL Elev.	Field Measurement	WL Below Ground	Approximate WL Elev.
	Easting	Northing	(masl)	(masl)	(m)	(m asl)	(m asl)	(m btoc)	(m bgs)	(m asl)	(m btoc)	(m bgs)	(m asl)	(m btoc)	(m bgs)	(m asl)
MW-OT-01	326522.45	4873715.88	95.56	96.46	0.90	-	89.54	-	-	-	-	-	-	-	-	-
MW-OT-02	326690.76	4873468.78	93.53	94.34	0.81	-	87.62	-	-	-	-	-	-	-	-	-
MW-OT-03	326860.57	4873601.28	90.72	91.6	0.88	-	84.67	-	-	-	-	-	-	-	-	-
MW-OT-04	326767.49	4873320.05	94.64	95.47	0.83	-	88.63	-	-	-	-	-	-	-	-	-
MWM	326992.73	4873963.2	93.75	94.74	0.99	-	-	-	-	-	-	-	-	-	-	-
MW1	326966.97	4874034.84	94.48	95.42	0.94	93.41	92.194	1.70	0.76	93.72	2.29	1.35	93.13	2.86	1.92	92.56
MW2	326801.64	4873973.1	96.38	97.17	0.79	92.11	89.065	3.74	2.95	93.43	4.77	3.98	92.40	6.09	5.3	91.08
MW3	326559.7	4873850.99	96.87	97.74	0.87	81.63	78.582	19.13	18.26	78.61	19.10	18.23	78.64	19.07	18.2	78.67
MW4	326803.44	4873973.26	96.45	97.4	0.95	95.43	94.499	-	-	-	-	-	-	-	-	-
MW5	326556.54	4873839.59	96.95	97.91	0.96	95.88	95.578	-	-	-	-	-	-	-	-	-
MW6	326863.5	4873865.19	92.62	93.65	1.03	91.71	90.182	-	-	-	-	-	-	-	-	-
BH/MW24-01	327039.4	4874041.01	96.33	97.15	0.82	91.76	90.234	-	-	-	-	-	-	-	-	-
BH/MW24-02	327150.15	4874050.18	95.76	96.63	0.87	93.63	92.102	-	-	-	-	-	-	-	-	-
BH/MW24-03	327121.25	4873944.91	96.39	97.32	0.93	91.82	90.294	-	-	-	-	-	-	-	-	-
BH/MW24-04	327174.54	4873801.13	97.23	97.19	-0.04	91.13	89.61	-	-	-	-	-	-	-	-	-
BH/MW24-05	326897.18	4873679.03	90.74	91.69	0.95	89.83	88.302	-	-	-	-	-	-	-	-	-
BH/MW24-06	326855.03	4873511.39	94.13	94.05	-0.08	91.08	89.558	-	-	-	-	-	-	-	-	-
BH/MW24-07	326809.35	4873380.44	95.61	96.32	0.71	90.28	88.752	-	-	-	-	-	-	-	-	-
BH/MW24-08	326666.74	4873209.23	92.7	93.6	0.90	89.65	88.128	-	-	-	-	-	-	-	-	-
BH/MW24-12	326568.75	4873762.96	95.98	96.75	0.77	66.4144	63.3664	-	-	-	-	-	-	-	-	-
BH/MW24-13	326689.33	4873603.85	90.28	91.06	0.78	89.0364	87.5124	-	-	-	-	-	-	-	-	-
BH/MW24-14	326660.06	4873612.22	90.76	91.59	0.83	86.4928	83.4448	-	-	-	-	-	-	-	-	-
BH/MW24-15	326479.8	4873455.48	90.18	90.98	0.80	88.9608	87.4368	-	-	-	-	-	-	-	-	-
BH/MW24-16	326482.92	4873457.45	90.2	90.92	0.72	86.2376	83.1896	-	-	-	-	-	-	-	-	-
PZ24-01	326550.65	4873345.11	88.07	88.84	0.77	87.86	86.95	-	-	-	-	-	-	-	-	-
PZ24-02	326430.39	4873273.29	88.05	89.53	1.48	87.575	86.665	-	-	-	-	-	-	-	-	-
SG25-01	326552.07	4873358.92	88.07	89.35	1.28	-	88.07	-	-	-	-	-	-	-	-	-
SG25-02	326435.28	4873296.41	88.05	89.434	1.38	-	88.05	-	-	-	-	-	-	-	-	-
SG25-03 ^b	326392.10	4873231.97	88.2	89.6	1.40	-	88.2	-	-	-	-	-	-	-	-	-
SG25-04 ^b	326267.43	4873278.70	88.5	90.087	1.59	-	88.5	-	-	-	-	-	-	-	-	-

Notes:

Elev. - Elevation
m - meter
m asl - meters above sea level
m bgs - meters below groundsurface
m toc - meters below top of casing
WL - Water Level
a - Water level collected on May 6, 2025
b - Estimated Ground Surface Elevation from LiDAR data and Top of Casing (top of steel pole) from logger data
c - Water levels not manually measured at staff guages in May 2025; values are from logger data

Table A-2: Groundwater Level
2025-2026 Annual Monitoring Report
Cold Creek Development Site
112 Upper Lake Street, Picton, Ontario

Well Name	UTM Zone 18T		Ground Surface Elevation	Top of Casing Elevation	Measured Stick up	Top of Screen	Bottom of Screen	2024-Aug-16			2024-Jun-04			2024-Jun-12		
								Field Measurement	WL Below Ground	Approximate WL Elev.	Field Measurement	WL Below Ground	Approximate WL Elev.	Field Measurement	WL Below Ground	Approximate WL Elev.
	Easting	Northing	(masl)	(masl)	(m)	(m asl)	(m asl)	(m btoc)	(m bgs)	(m asl)	(m btoc)	(m bgs)	(m asl)	(m btoc)	(m bgs)	(m asl)
MW-OT-01	326522.45	4873715.88	95.56	96.46	0.90	-	89.54	-	-	-	-	-	-	-	-	-
MW-OT-02	326690.76	4873468.78	93.53	94.34	0.81	-	87.62	-	-	-	-	-	-	-	-	-
MW-OT-03	326860.57	4873601.28	90.72	91.6	0.88	-	84.67	-	-	-	-	-	-	-	-	-
MW-OT-04	326767.49	4873320.05	94.64	95.47	0.83	-	88.63	-	-	-	-	-	-	-	-	-
MWM	326992.73	4873963.2	93.75	94.74	0.99	-	-	2.14	1.15	92.60	-	-	-	-	-	-
MW1	326966.97	4874034.84	94.48	95.42	0.94	93.41	92.194	1.645	0.71	93.77	-	-	-	-	-	-
MW2	326801.64	4873973.1	96.38	97.17	0.79	92.11	89.065	3.765	2.98	93.40	-	-	-	-	-	-
MW3	326559.7	4873850.99	96.87	97.74	0.87	81.63	78.582	Dry	-	-	-	-	-	-	-	-
MW4	326803.44	4873973.26	96.45	97.4	0.95	95.43	94.499	Dry	-	-	-	-	-	-	-	-
MW5	326556.54	4873839.59	96.95	97.91	0.96	95.88	95.578	Dry	-	-	-	-	-	-	-	-
MW6	326863.5	4873865.19	92.62	93.65	1.03	91.71	90.182	1.115	0.09	92.53	-	-	-	-	-	-
BH/MW24-01	327039.4	4874041.01	96.33	97.15	0.82	91.76	90.234	-	-	-	4.06	3.24	93.09	4.21	3.39	92.94
BH/MW24-02	327150.15	4874050.18	95.76	96.63	0.87	93.63	92.102	-	-	-	1.86	0.99	94.77	2.02	1.15	94.61
BH/MW24-03	327121.25	4873944.91	96.39	97.32	0.93	91.82	90.294	-	-	-	4.34	3.41	92.98	4.5	3.57	92.82
BH/MW24-04	327174.54	4873801.13	97.23	97.19	-0.04	91.13	89.61	-	-	-	6.44	6.48	90.75	6.5	6.54	90.69
BH/MW24-05	326897.18	4873679.03	90.74	91.69	0.95	89.83	88.302	-	-	-	1.61	0.66	90.08	1.69	0.74	90.00
BH/MW24-06	326855.03	4873511.39	94.13	94.05	-0.08	91.08	89.558	-	-	-	4.17	4.25	89.88	4.24	4.32	89.81
BH/MW24-07	326809.35	4873380.44	95.61	96.32	0.71	90.28	88.752	-	-	-	6.745	6.04	89.57	6.82	6.11	89.50
BH/MW24-08	326666.74	4873209.23	92.7	93.6	0.90	89.65	88.128	-	-	-	4.43	3.53	89.17	4.45	3.55	89.15
BH/MW24-12	326568.75	4873762.96	95.98	96.75	0.77	66.4144	63.3664	-	-	-	-	-	-	-	-	-
BH/MW24-13	326689.33	4873603.85	90.28	91.06	0.78	89.0364	87.5124	-	-	-	-	-	-	-	-	-
BH/MW24-14	326660.06	4873612.22	90.76	91.59	0.83	86.4928	83.4448	-	-	-	-	-	-	-	-	-
BH/MW24-15	326479.8	4873455.48	90.18	90.98	0.80	88.9608	87.4368	-	-	-	-	-	-	-	-	-
BH/MW24-16	326482.92	4873457.45	90.2	90.92	0.72	86.2376	83.1896	-	-	-	-	-	-	-	-	-
PZ24-01	326550.65	4873345.11	88.07	88.84	0.77	87.86	86.95	-	-	-	-	-	-	-	-	-
PZ24-02	326430.39	4873273.29	88.05	89.53	1.48	87.575	86.665	-	-	-	-	-	-	-	-	-
SG25-01	326552.07	4873358.92	88.07	89.35	1.28	-	88.07	-	-	-	-	-	-	-	-	-
SG25-02	326435.28	4873296.41	88.05	89.434	1.38	-	88.05	-	-	-	-	-	-	-	-	-
SG25-03 ^b	326392.10	4873231.97	88.2	89.6	1.40	-	88.2	-	-	-	-	-	-	-	-	-
SG25-04 ^b	326267.43	4873278.70	88.5	90.087	1.59	-	88.5	-	-	-	-	-	-	-	-	-

Notes:

- Elev. - Elevation
- m - meter
- m asl - meters above sea level
- m bgs - meters below groundsurface
- m toc - meters below top of casing
- WL - Water Level
- a - Water level collected on May 6, 2025
- b - Estimated Ground Surface Elevation from LiDAR data and Top of Casing (top of steel pole) from logger data
- c - Water levels not manually measured at staff guages in May 2025; values are from logger data

Table A-2: Groundwater Level
2025-2026 Annual Monitoring Report
Cold Creek Development Site
112 Upper Lake Street, Picton, Ontario

Well Name	UTM Zone 18T		Ground Surface Elevation	Top of Casing Elevation	Measured Stick up	Top of Screen	Bottom of Screen	2024-Oct-15			2024-Dec-19			2025-Mar-28		
								Field Measurement	WL Below Ground	Approximate WL Elev.	Field Measurement	WL Below Ground	Approximate WL Elev.	Field Measurement	WL Below Ground	Approximate WL Elev.
	Easting	Northing	(masl)	(masl)	(m)	(m asl)	(m asl)	(m btoc)	(m bgs)	(m asl)	(m btoc)	(m bgs)	(m asl)	(m btoc)	(m bgs)	(m asl)
MW-OT-01	326522.45	4873715.88	95.56	96.46	0.90	-	89.54	-	-	-	6.38	5.48	90.08	6.525	5.63	89.93
MW-OT-02	326690.76	4873468.78	93.53	94.34	0.81	-	87.62	-	-	-	6.39	5.58	87.95	5.83	5.02	88.51
MW-OT-03	326860.57	4873601.28	90.72	91.6	0.88	-	84.67	-	-	-	3.24	2.36	88.36	2.555	1.68	89.04
MW-OT-04	326767.49	4873320.05	94.64	95.47	0.83	-	88.63	-	-	-	Dry	-	-	Dry	-	-
MWM	326992.73	4873963.2	93.75	94.74	0.99	-	-	3.457	2.47	91.28	3.36	2.37	91.38	2.47	1.48	92.27
MW1	326966.97	4874034.84	94.48	95.42	0.94	93.41	92.194	Dry	-	-	2.8	1.86	92.62	1.68	0.74	93.74
MW2	326801.64	4873973.1	96.38	97.17	0.79	92.11	89.065	4.903	4.11	92.27	4.855	4.07	92.31	3.54	2.75	93.63
MW3	326559.7	4873850.99	96.87	97.74	0.87	81.63	78.582	18.75	17.88	78.99	18.48	17.61	79.26	17.95	17.08	79.79
MW4	326803.44	4873973.26	96.45	97.4	0.95	95.43	94.499	Dry	-	-	2.82	1.87	94.58	2.18	1.23	95.22
MW5	326556.54	4873839.59	96.95	97.91	0.96	95.88	95.578	Dry	-	-	2.32	1.36	95.59	2.12	1.16	95.79
MW6	326863.5	4873865.19	92.62	93.65	1.03	91.71	90.182	2.979	1.95	90.67	1.85	0.82	91.80	1.32	0.29	92.33
BH/MW24-01	327039.4	4874041.01	96.33	97.15	0.82	91.76	90.234	5.248	4.43	91.90	5.27	4.45	91.88	4.01	3.19	93.14
BH/MW24-02	327150.15	4874050.18	95.76	96.63	0.87	93.63	92.102	4.299	3.43	92.33	2.82	1.95	93.81	1.17	0.30	95.46
BH/MW24-03	327121.25	4873944.91	96.39	97.32	0.93	91.82	90.294	5.77	4.84	91.55	5.42	4.49	91.90	4.31	3.38	93.01
BH/MW24-04	327174.54	4873801.13	97.23	97.19	-0.04	91.13	89.61	7.455	7.50	89.73	Dry	-	-	Dry	-	-
BH/MW24-05	326897.18	4873679.03	90.74	91.69	0.95	89.83	88.302	2.575	1.63	89.11	2.79	1.84	88.90	2.15	1.20	89.54
BH/MW24-06	326855.03	4873511.39	94.13	94.05	-0.08	91.08	89.558	-	-	-	4.61	4.69	89.44	Dry	-	-
BH/MW24-07	326809.35	4873380.44	95.61	96.32	0.71	90.28	88.752	Dry	-	-	Dry	-	-	7.285	6.58	89.03
BH/MW24-08	326666.74	4873209.23	92.7	93.6	0.90	89.65	88.128	Dry	-	-	Dry	-	-	4.965	4.07	88.63
BH/MW24-12	326568.75	4873762.96	95.98	96.75	0.77	66.4144	63.3664	-	-	-	32.7	31.93	64.05	10.87	10.10	85.88
BH/MW24-13	326689.33	4873603.85	90.28	91.06	0.78	89.0364	87.5124	-	-	-	2.925	2.15	88.13	2.23	1.45	88.83
BH/MW24-14	326660.06	4873612.22	90.76	91.59	0.83	86.4928	83.4448	-	-	-	3.5	2.67	88.09	2.78	1.95	88.81
BH/MW24-15	326479.8	4873455.48	90.18	90.98	0.80	88.9608	87.4368	-	-	-	3.16	2.36	87.82	2.46	1.66	88.52
BH/MW24-16	326482.92	4873457.45	90.2	90.92	0.72	86.2376	83.1896	-	-	-	3.09	2.37	87.83	2.38	1.66	88.54
PZ24-01	326550.65	4873345.11	88.07	88.84	0.77	87.86	86.95	-	-	-	1.07	0.30	87.77	0.375	-0.39	88.46
PZ24-02	326430.39	4873273.29	88.05	89.53	1.48	87.575	86.665	-	-	-	1.525	0.05	88.00	1.09	-0.39	88.44
SG25-01	326552.07	4873358.92	88.07	89.35	1.28	-	88.07	-	-	-	-	-	-	-	-	-
SG25-02	326435.28	4873296.41	88.05	89.434	1.38	-	88.05	-	-	-	-	-	-	-	-	-
SG25-03 ^b	326392.10	4873231.97	88.2	89.6	1.40	-	88.2	-	-	-	-	-	-	-	-	-
SG25-04 ^b	326267.43	4873278.70	88.5	90.087	1.59	-	88.5	-	-	-	-	-	-	-	-	-

Notes:

- Elev. - Elevation
- m - meter
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- WL - Water Level
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- b - Estimated Ground Surface Elevation from LiDAR data and Top of Casing (top of steel pole) from logger data
- c - Water levels not manually measured at staff guages in May 2025; values are from logger data

Table A-2: Groundwater Level
2025-2026 Annual Monitoring Report
Cold Creek Development Site
112 Upper Lake Street, Picton, Ontario

Well Name	UTM Zone 18T		Ground Surface Elevation	Top of Casing Elevation	Measured Stick up	Top of Screen	Bottom of Screen	2025-May-05 ^c			2025-Sep-24			2025-Dec-23		
								Field Measurement	WL Below Ground	Approximate WL Elev.	Field Measurement	WL Below Ground	Approximate WL Elev.	Field Measurement	WL Below Ground	Approximate WL Elev.
	Easting	Northing	(masl)	(masl)	(m)	(m asl)	(m asl)	(m btoc)	(m bgs)	(m asl)	(m btoc)	(m bgs)	(m asl)	(m btoc)	(m bgs)	(m asl)
MW-OT-01	326522.45	4873715.88	95.56	96.46	0.90	-	89.54	6.49	5.59	89.97	6.51	5.61	89.95	6.42	5.52	90.04
MW-OT-02	326690.76	4873468.78	93.53	94.34	0.81	-	87.62	5.42	4.61	88.92	6.22	5.41	88.12	Dry	-	-
MW-OT-03	326860.57	4873601.28	90.72	91.6	0.88	-	84.67	2.13	1.25	89.47	3.16	2.28	88.44	3.45	2.57	88.15
MW-OT-04	326767.49	4873320.05	94.64	95.47	0.83	-	88.63	6.69	5.86	88.78	6.75	5.92	88.72	6.76	5.93	88.71
MWM	326992.73	4873963.2	93.75	94.74	0.99	-	-	2.17	1.18	92.57	Destroyed					
MW1	326966.97	4874034.84	94.48	95.42	0.94	93.41	92.194	1.71	0.77	93.71	Dry	-	-	2.91	1.97	92.51
MW2	326801.64	4873973.1	96.38	97.17	0.79	92.11	89.065	3.59	2.80	93.58	4.98	4.19	92.19	4.85	4.06	92.32
MW3	326559.7	4873850.99	96.87	97.74	0.87	81.63	78.582	17.79	16.92	79.95	17.32	16.45	80.42	16.6	15.73	81.14
MW4	326803.44	4873973.26	96.45	97.4	0.95	95.43	94.499	2.63	1.68	94.77	Dry	-	-	Dry	-	-
MW5	326556.54	4873839.59	96.95	97.91	0.96	95.88	95.578	Dry	-	-	Dry	-	-	Dry	-	-
MW6	326863.5	4873865.19	92.62	93.65	1.03	91.71	90.182	1.37	0.34	92.28	Dry	-	-	2.27	1.24	91.38
BH/MW24-01	327039.4	4874041.01	96.33	97.15	0.82	91.76	90.234	3.71	2.89	93.44	Abandoned					
BH/MW24-02	327150.15	4874050.18	95.76	96.63	0.87	93.63	92.102	1.22	0.35	95.41	Destroyed					
BH/MW24-03	327121.25	4873944.91	96.39	97.32	0.93	91.82	90.294	4.12	3.19	93.20	6.48	5.55	90.84	6.31	5.38	91.01
BH/MW24-04	327174.54	4873801.13	97.23	97.19	-0.04	91.13	89.61	Dry	-	-	Destroyed					
BH/MW24-05	326897.18	4873679.03	90.74	91.69	0.95	89.83	88.302	1.75	0.80	89.94	2.80	1.85	88.89	3.00	2.05	88.69
BH/MW24-06	326855.03	4873511.39	94.13	94.05	-0.08	91.08	89.558	4.35	4.43	89.70	Dry	-	-	Dry	-	-
BH/MW24-07	326809.35	4873380.44	95.61	96.32	0.71	90.28	88.752	6.95	6.24	89.37	Dry	-	-	Dry	-	-
BH/MW24-08	326666.74	4873209.23	92.7	93.6	0.90	89.65	88.128	4.66	3.76	88.94	5.44	4.54	88.16	Dry	-	-
BH/MW24-12	326568.75	4873762.96	95.98	96.75	0.77	66.4144	63.3664	7.36	6.59	89.39	5.39	4.62	91.36	5.22	4.45	91.53
BH/MW24-13	326689.33	4873603.85	90.28	91.06	0.78	89.0364	87.5124	1.86	1.08	89.20	Abandoned					
BH/MW24-14	326660.06	4873612.22	90.76	91.59	0.83	86.4928	83.4448	2.44	1.61	89.15	Abandoned					
BH/MW24-15	326479.8	4873455.48	90.18	90.98	0.80	88.9608	87.4368	2.29	1.49	88.69	3.29	2.49	87.69	3.4	2.60	87.58
BH/MW24-16	326482.92	4873457.45	90.2	90.92	0.72	86.2376	83.1896	2.20	1.48	88.72	3.20	2.48	87.72	3.31	2.59	87.61
PZ24-01	326550.65	4873345.11	88.07	88.84	0.77	87.86	86.95	0.32 ^a	-0.45	88.52	1.14	0.37	87.70	1.31	0.54	87.53
PZ24-02	326430.39	4873273.29	88.05	89.53	1.48	87.575	86.665	1.02	-0.46	88.51	2.16	0.68	87.37	1.72	0.24	87.81
SG25-01	326552.07	4873358.92	88.07	89.35	1.28	-	88.07	-	-	88.37	Dry	-	-	Dry	-	-
SG25-02	326435.28	4873296.41	88.05	89.434	1.38	-	88.05	-	-	88.39	Dry	-	-	Dry	-	-
SG25-03 ^b	326392.10	4873231.97	88.2	89.6	1.40	-	88.2	-	-	88.52	Dry	-	-	Dry	-	-
SG25-04 ^b	326267.43	4873278.70	88.5	90.087	1.59	-	88.5	-	-	Dry	Dry	-	-	Dry	-	-

Notes:

- Elev. - Elevation
- m - meter
- m asl - meters above sea level
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- m toc - meters below top of casing
- WL - Water Level
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Table A-2: Groundwater Level
2025-2026 Annual Monitoring Report
Cold Creek Development Site
112 Upper Lake Street, Picton, Ontario

Well Name	UTM Zone 18T		Ground Surface Elevation	Top of Casing Elevation	Measured Stick up	Top of Screen	Bottom of Screen	2026-Apr-20		
								Field Measurement	WL Below Ground	Approximate WL Elev.
	Easting	Northing	(masl)	(masl)	(m)	(m asl)	(m asl)	(m btoc)	(m bgs)	(m asl)
MW-OT-01	326522.45	4873715.88	95.56	96.46	0.90	-	89.54	6.31	5.41	90.15
MW-OT-02	326690.76	4873468.78	93.53	94.34	0.81	-	87.62	5.17	4.36	89.17
MW-OT-03	326860.57	4873601.28	90.72	91.6	0.88	-	84.67	1.685	0.81	89.91
MW-OT-04	326767.49	4873320.05	94.64	95.47	0.83	-	88.63	6.33	5.50	89.14
MWM	326992.73	4873963.2	93.75	94.74	0.99	-	-			
MW1	326966.97	4874034.84	94.48	95.42	0.94	93.41	92.194	1.355	0.42	94.06
MW2	326801.64	4873973.1	96.38	97.17	0.79	92.11	89.065	3.095	2.31	94.07
MW3	326559.7	4873850.99	96.87	97.74	0.87	81.63	78.582	16.015	15.15	81.72
MW4	326803.44	4873973.26	96.45	97.4	0.95	95.43	94.499	1.825	0.88	95.57
MW5	326556.54	4873839.59	96.95	97.91	0.96	95.88	95.578	2.03	1.07	95.88
MW6	326863.5	4873865.19	92.62	93.65	1.03	91.71	90.182	1.205	0.18	92.44
BH/MW24-01	327039.4	4874041.01	96.33	97.15	0.82	91.76	90.234			
BH/MW24-02	327150.15	4874050.18	95.76	96.63	0.87	93.63	92.102			
BH/MW24-03	327121.25	4873944.91	96.39	97.32	0.93	91.82	90.294	3.87	2.94	93.45
BH/MW24-04	327174.54	4873801.13	97.23	97.19	-0.04	91.13	89.61			
BH/MW24-05	326897.18	4873679.03	90.74	91.69	0.95	89.83	88.302	1.13	0.18	90.56
BH/MW24-06	326855.03	4873511.39	94.13	94.05	-0.08	91.08	89.558	3.94	4.02	90.11
BH/MW24-07	326809.35	4873380.44	95.61	96.32	0.71	90.28	88.752	6.56	5.85	89.76
BH/MW24-08	326666.74	4873209.23	92.7	93.6	0.90	89.65	88.128	4.355	3.46	89.24
BH/MW24-12	326568.75	4873762.96	95.98	96.75	0.77	66.4144	63.3664	5.385	4.62	91.36
BH/MW24-13	326689.33	4873603.85	90.28	91.06	0.78	89.0364	87.5124			
BH/MW24-14	326660.06	4873612.22	90.76	91.59	0.83	86.4928	83.4448			
BH/MW24-15	326479.8	4873455.48	90.18	90.98	0.80	88.9608	87.4368	1.72	0.92	89.26
BH/MW24-16	326482.92	4873457.45	90.2	90.92	0.72	86.2376	83.1896	1.63	0.91	89.29
PZ24-01	326550.65	4873345.11	88.07	88.84	0.77	87.86	86.95	0.065	-0.70	88.77
PZ24-02	326430.39	4873273.29	88.05	89.53	1.48	87.575	86.665	0.75	-0.73	88.78
SG25-01	326552.07	4873358.92	88.07	89.35	1.28	-	88.07	0.69	-0.59	88.66
SG25-02	326435.28	4873296.41	88.05	89.434	1.38	-	88.05	0.785	-0.59	88.64
SG25-03 ^b	326392.10	4873231.97	88.2	89.6	1.40	-	88.2	0.855	-0.54	88.74
SG25-04 ^b	326267.43	4873278.70	88.5	90.087	1.59	-	88.5	1.415	-0.17	88.67

Notes:

- Elev. - Elevation
- m - meter
- m asl - meters above sea level
- m bgs - meters below groundsurface
- m toc - meters below top of casing
- WL - Water Level
- a - Water level collected on May 6, 2025
- b - Estimated Ground Surface Elevation from LiDAR data and Top of Casing (top of steel pole) from logger data
- c - Water levels not manually measured at staff guages in May 2025; values are from logger data

Table A-3: Vertical Gradients
2025-2026 Annual Monitoring Report
Cold Creek Development Site
112 Upper Lake Street, Picton, Ontario

Monitoring Location	Water Level (m asl)				Bottom of screen (m asl)	Vertical Gradient				Flow Regime
	May 2025	Sep 2025	Dec 2025	Apr 2026		May 2025	Sep 2025	Dec 2025	Apr 2026	
MW4	94.77	-	-	95.57	94.50	0.22	NC	NC	0.28	Overburden
MW2	93.58	92.19	92.32	94.07	89.07					Bedrock
MW5	-	-	-	95.88	95.58	NC	NC	NC	0.83	Overburden
MW3	79.95	80.42	81.14	81.72	78.58					Bedrock
BH/MW24-15	88.69	87.69	87.58	89.26	87.44	-0.01	-0.01	-0.01	-0.01	Overburden
BH/MW24-16	88.72	87.72	87.61	89.29	83.19					Bedrock
SG25-01	88.37	-	-	88.66	88.07	-0.13	NC	NC	-0.10	Surface Water
PZ24-01	88.52	87.70	87.53	88.77	86.95					Shallow Overburden
SG25-02	88.39	-	-	88.64	88.05	-0.09	NC	NC	-0.10	Surface Water
PZ24-02	88.51	87.37	87.81	88.78	86.67					Shallow Overburden

Notes:

"-" No water level available (dry)

"NC" not calculated

m asl meters above sea level

Table A-4: Turbidity Field Measurements
2025-2026 Annual Monitoring Report
Cold Creek Development Site
112 Upper Lake Street, Picton, Ontario

Location ID	Description	UTM Zone 18T		2025-05-06	2025-09-24	2025-12-23	2026-04-20
		Easting ¹	Northing ¹				
SG25-01	Adjacent PZ24-01	326552.07	4873358.92	0.00	dry	dry	1.53
SG25-02	Adjacent PZ24-02	326435.28	4873296.41	0.0 to 0.7	dry	dry	0.97
SG25-03	SW corner of property	326392.10	4873231.97	0.0	dry	dry	1.12
SG25-04	Culvert west of property	326267.43	4873278.70	dry	dry	dry	2.24

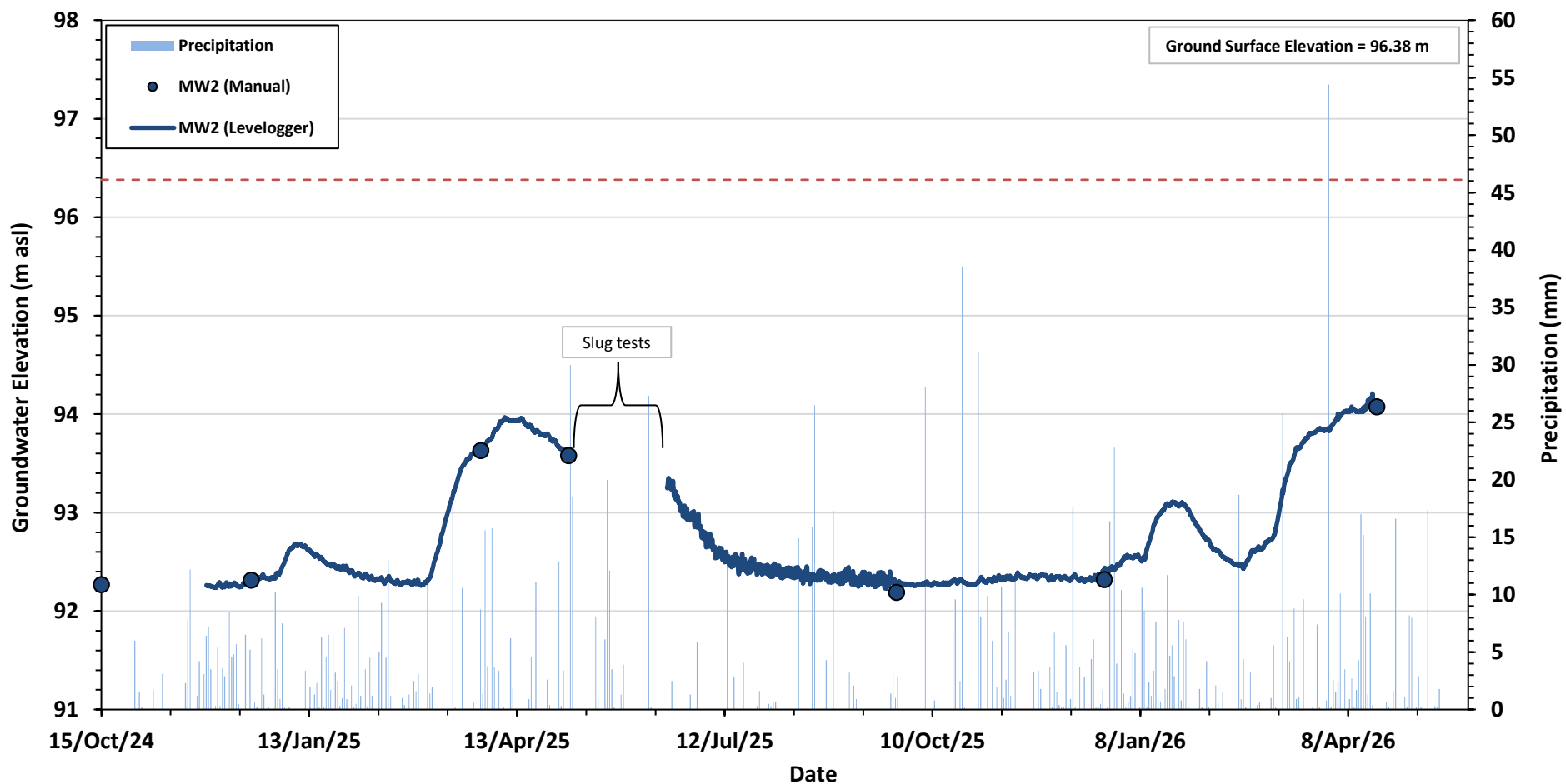
Notes:

All turbidity measurements are in NTU (Nephelometric Turbidity unit)

¹ Coordinates were approximated using a phone GPS.

Appendix B

Hydrographs - Precipitation



Precipitation data was obtained from the Environment Canada Point Petre (AUT) Climate Station (ID 6156559), accessed on May 20, 2026.

2422092 Ontario Ltd.

Client

2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project



MW2 Hydrograph - Precipitation

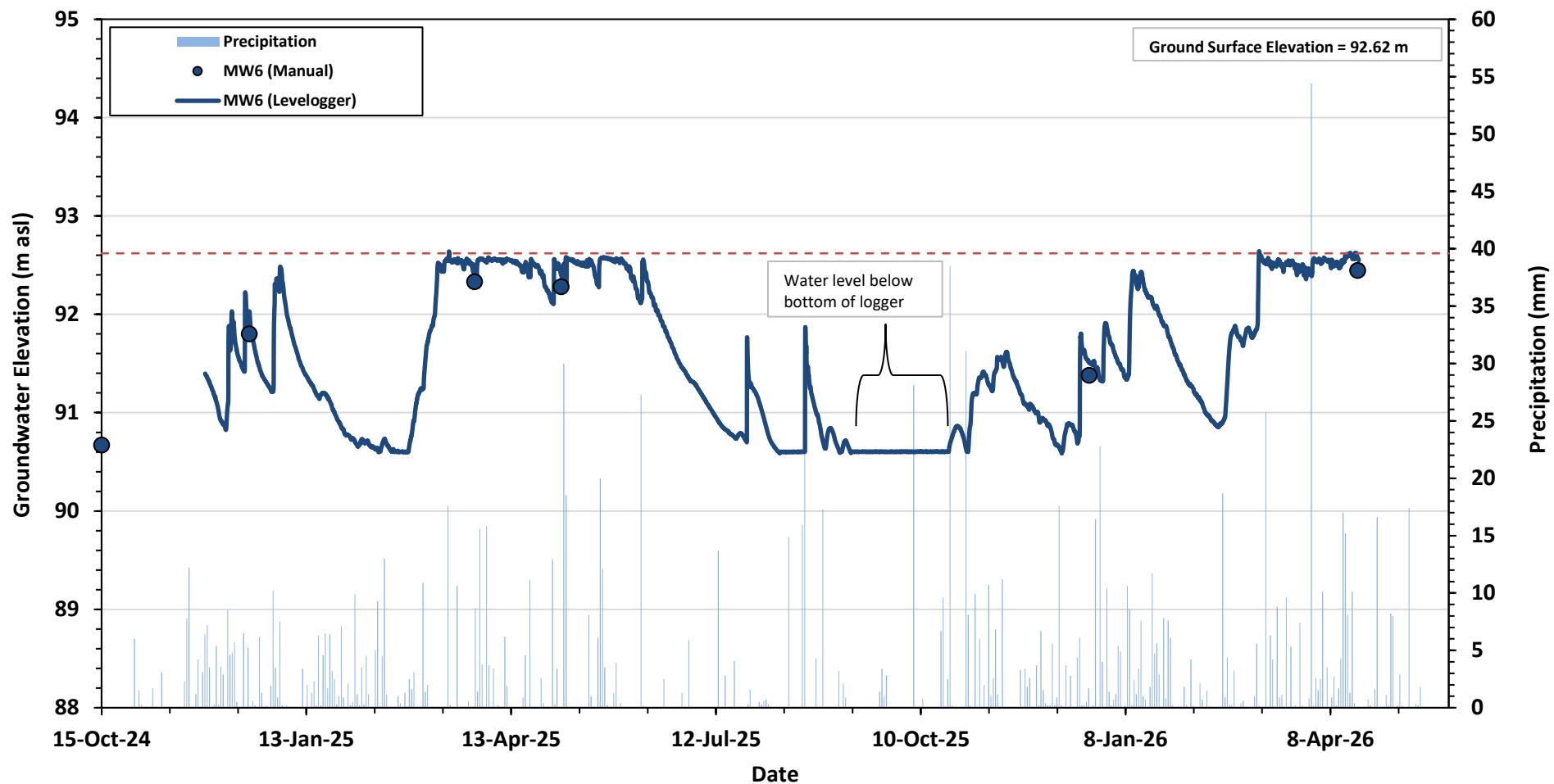
Title

240057-02

Project Number

B-1

Figure Number



Precipitation data was obtained from the Environment Canada Point Petre (AUT) Climate Station (ID 6156559), accessed on May 20, 2026.

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2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project

MW6 Hydrograph - Precipitation

Title

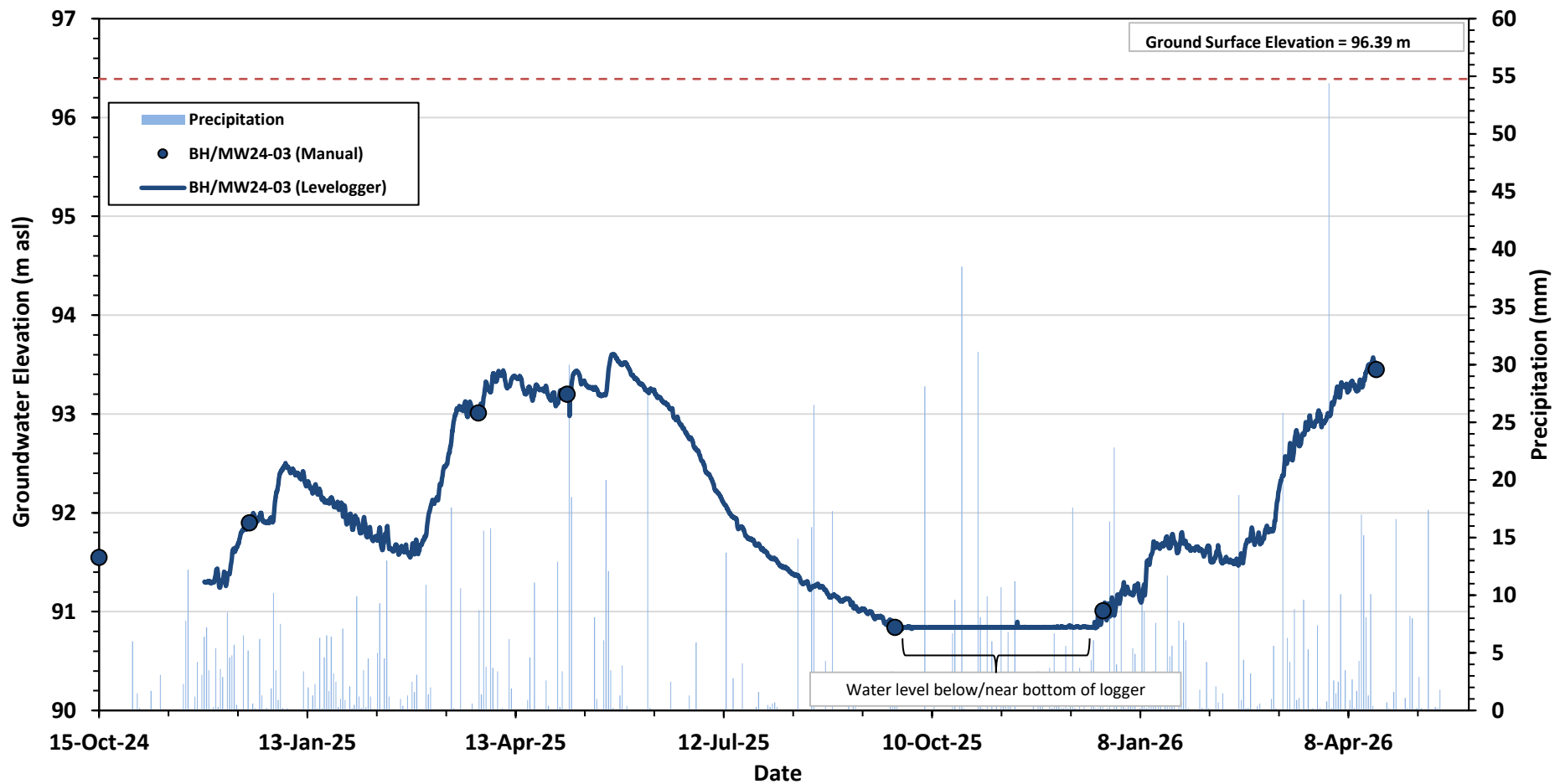
240057-02

Project Number

B-2

Figure Number





Precipitation data was obtained from the Environment Canada Point Petre (AUT) Climate Station (ID 6156559), accessed on May 20, 2026.

2422092 Ontario Ltd.

Client

2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project

MW24-03 Hydrograph - Precipitation

Title

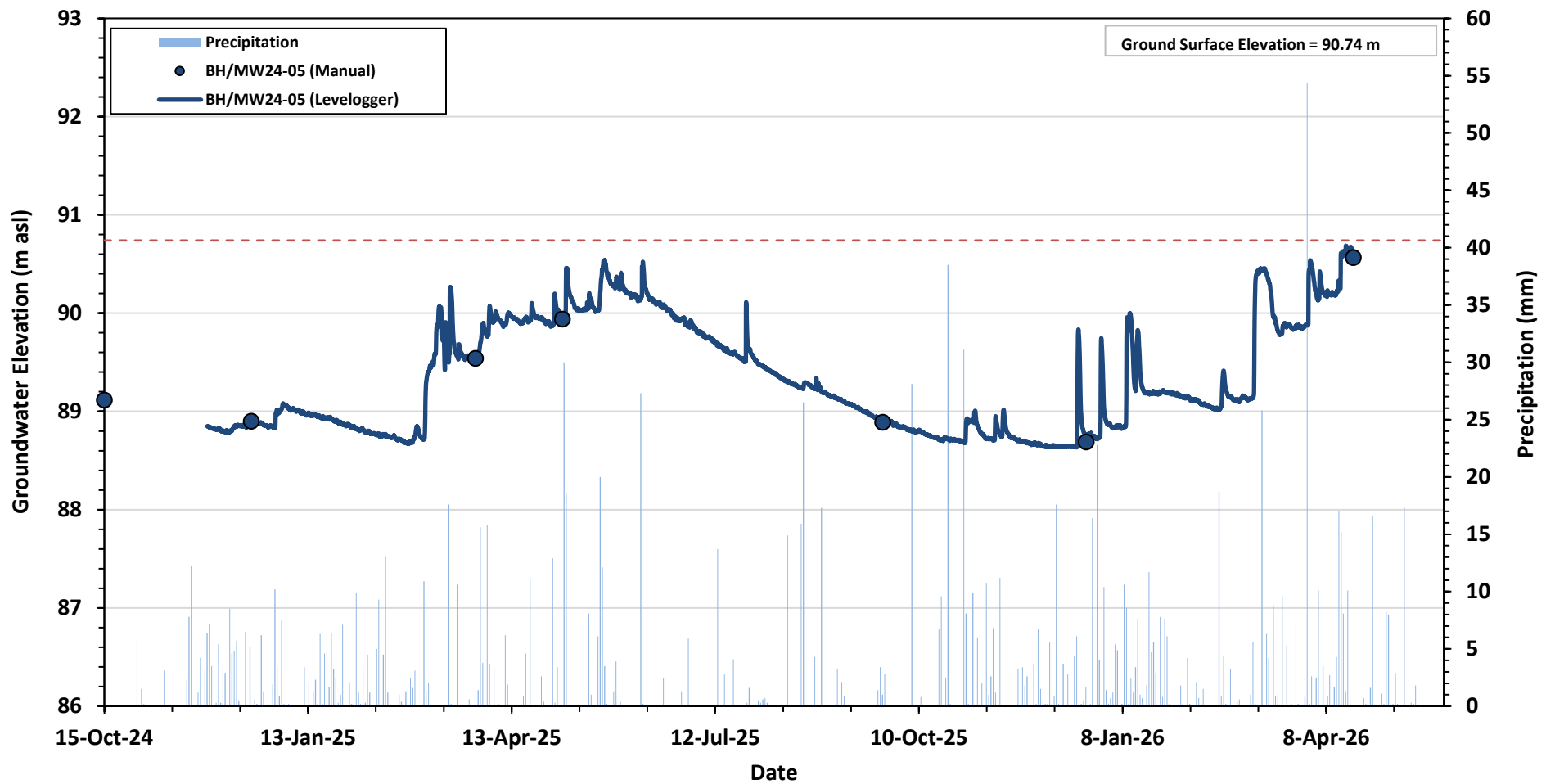
240057-02

Project Number

B-3

Figure Number





Precipitation data was obtained from the Environment Canada Point Petre (AUT) Climate Station (ID 6156559), accessed on May 20, 2026.

2422092 Ontario Ltd.

Client

2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project

MW24-05 Hydrograph - Precipitation

Title

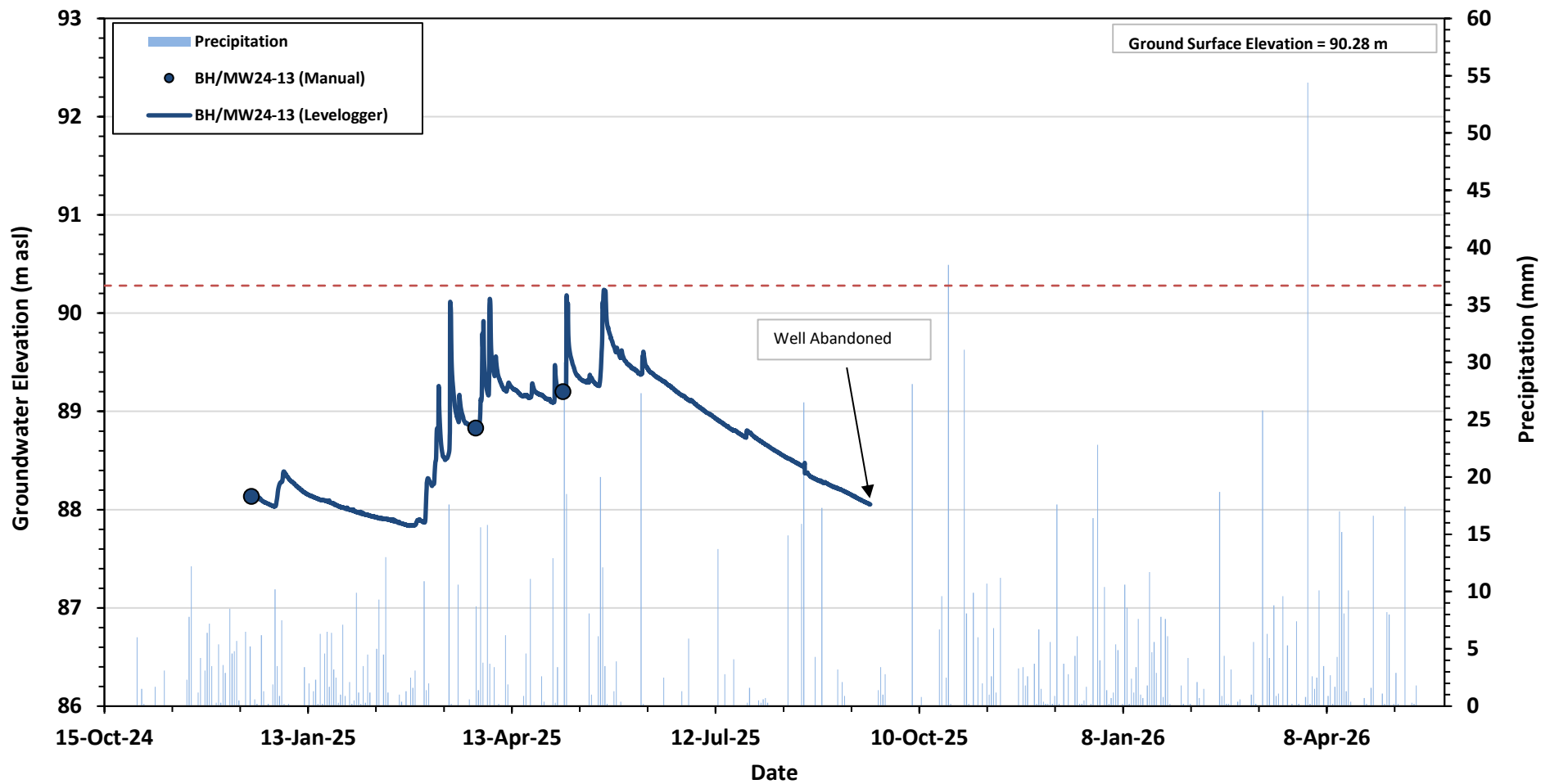
240057-02

Project Number

B-4

Figure Number





Precipitation data was obtained from the Environment Canada Point Petre (AUT) Climate Station (ID 6156559), accessed on May 20, 2026.

2422092 Ontario Ltd.

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2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project

MW24-13 Hydrograph - Precipitation

Title

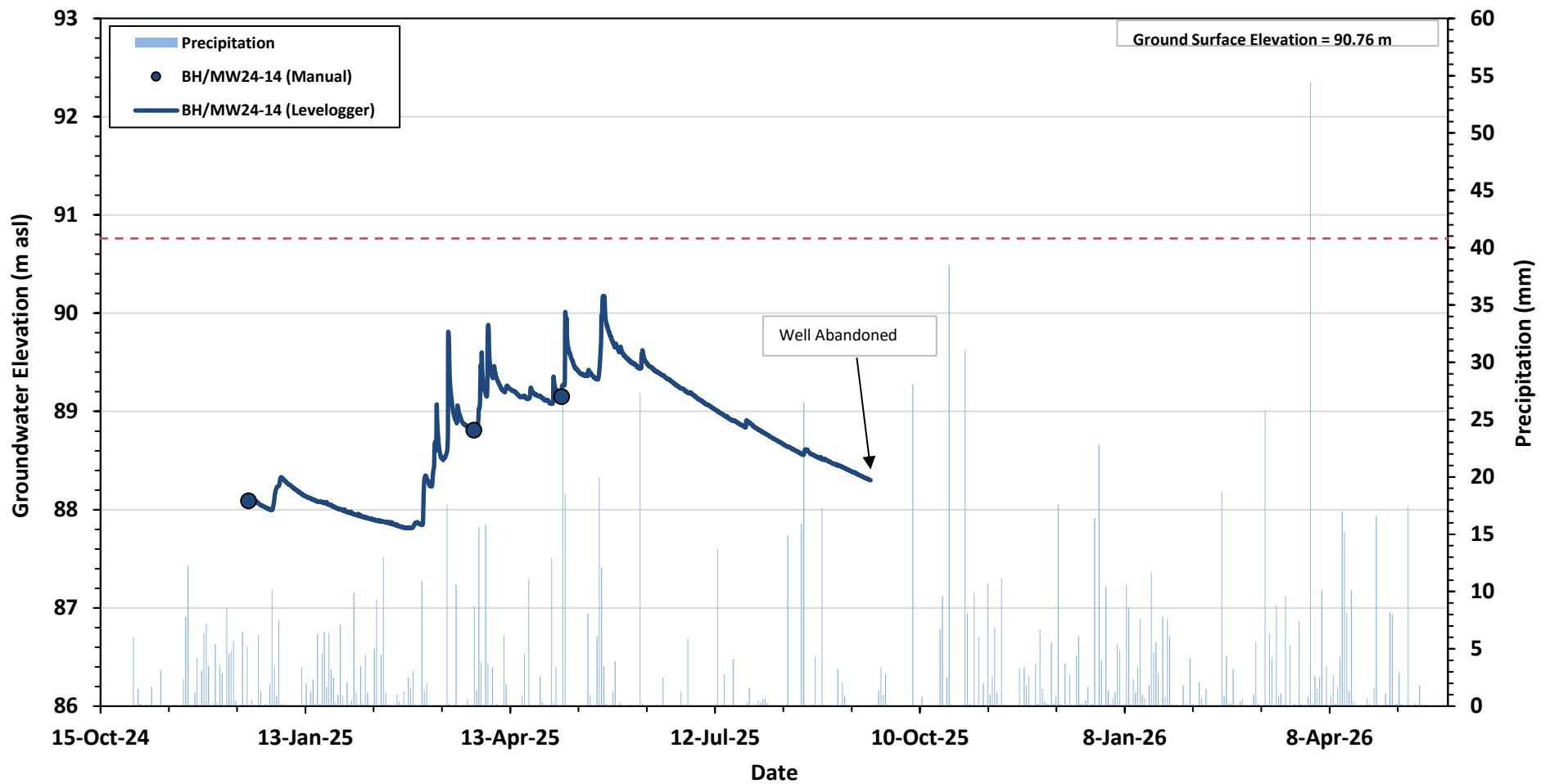
240057-02

Project Number

B-5

Figure Number





Precipitation data was obtained from the Environment Canada Point Petre (AUT) Climate Station (ID 6156559), accessed on May 20, 2026.

2422092 Ontario Ltd.

Client

2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project

MW24-14 Hydrograph - Precipitation

Title

240057-02

Project Number

B-6

Figure Number





Precipitation data was obtained from the Environment Canada Point Petre (AUT) Climate Station (ID 6156559), accessed on May 20, 2026.

2422092 Ontario Ltd.

Client

2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project

MW24-15 Hydrograph - Precipitation

Title

240057-02

Project Number

B-7

Figure Number





Precipitation data was obtained from the Environment Canada Point Petre (AUT) Climate Station (ID 6156559), accessed on May 20, 2026.

2422092 Ontario Ltd.

Client

2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project

MW24-16 Hydrograph - Precipitation

Title

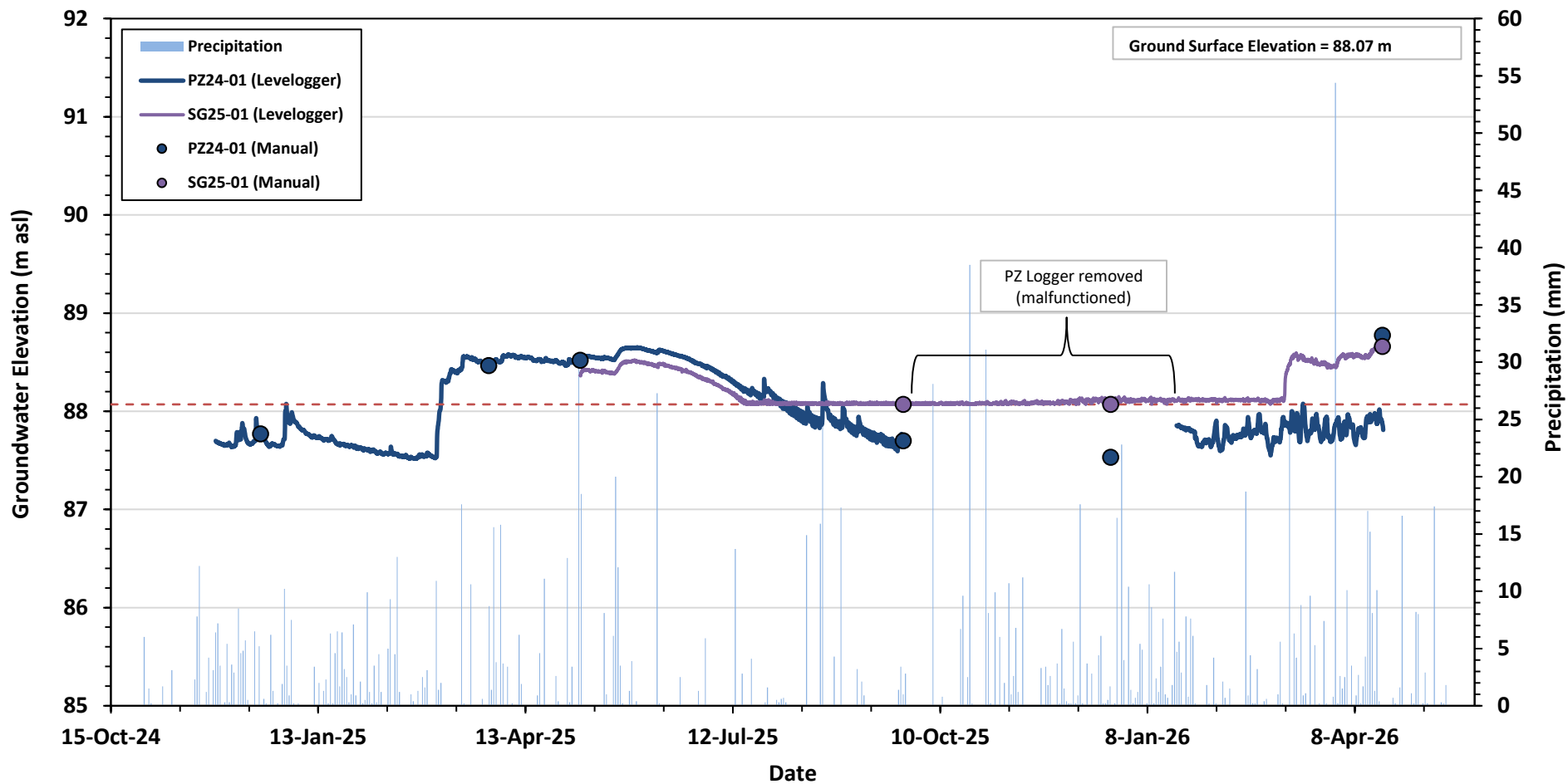
240057-02

Project Number

B-8

Figure Number





Precipitation data was obtained from the Environment Canada Point Petre (AUT) Climate Station (ID 6156559), accessed on May 20, 2026.

2422092 Ontario Ltd.

Client

2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project

PZ24-01 & SG25-01 Hydrograph - Precipitation

Title

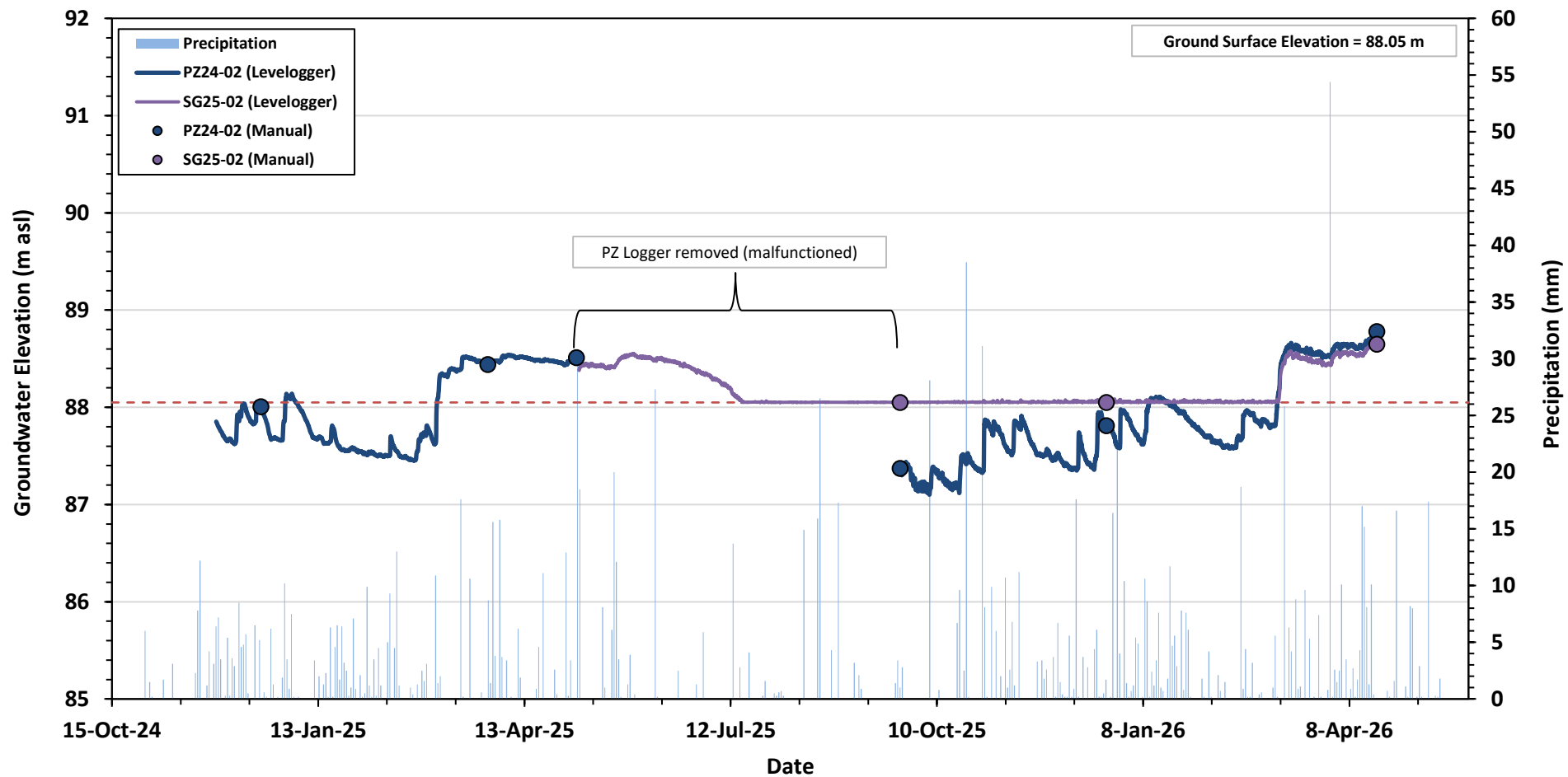
240057-02

Project Number

B-9

Figure Number





Precipitation data was obtained from the Environment Canada Point Petre (AUT) Climate Station (ID 6156559), accessed on May 20, 2026.

2422092 Ontario Ltd.

Client

2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project

PZ24-02 & SG25-02 Hydrograph - Precipitation

Title

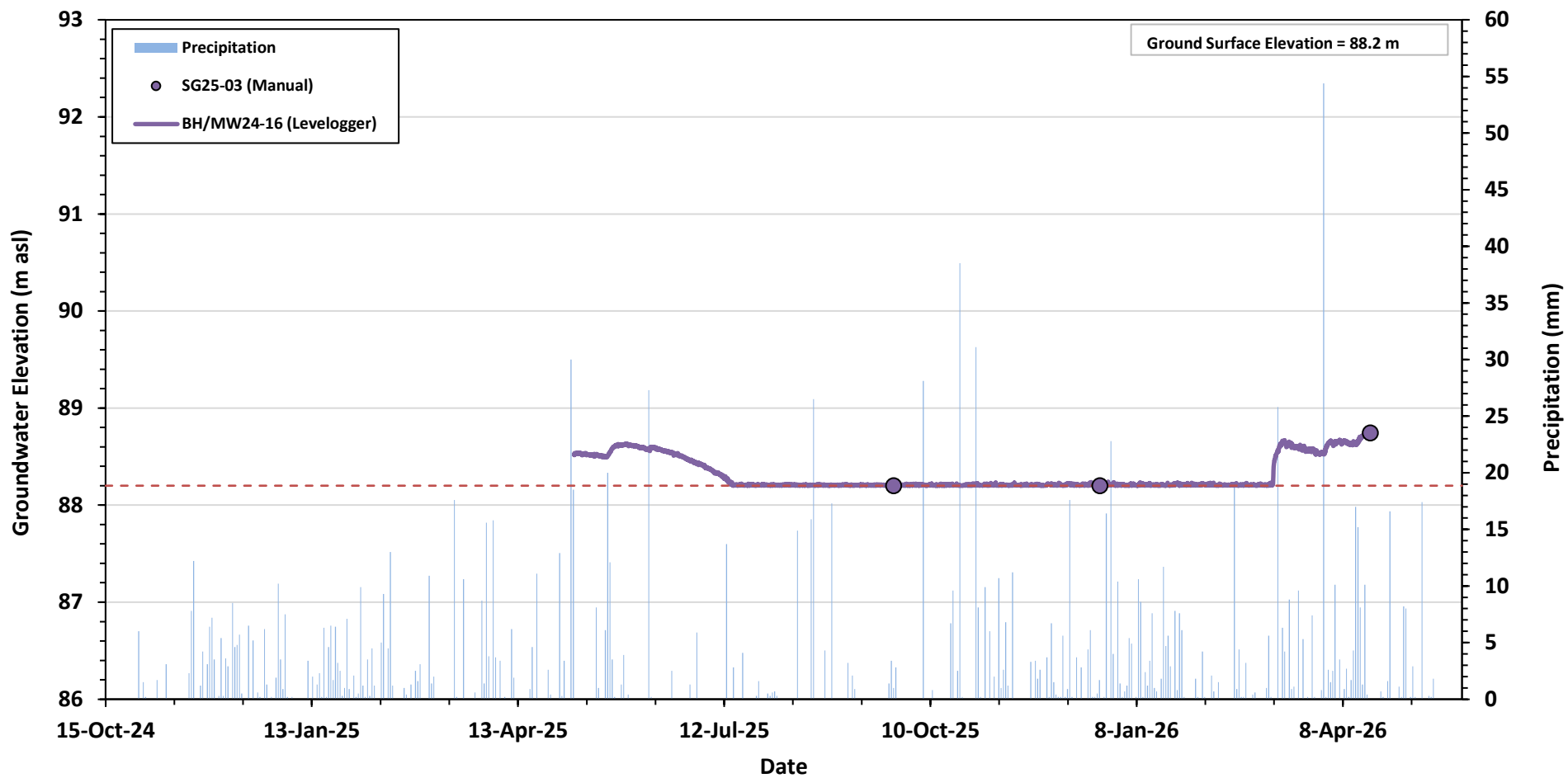
240057-02

Project Number

B-10

Figure Number





Precipitation data was obtained from the Environment Canada Point Petre (AUT) Climate Station (ID 6156559), accessed on May 20, 2026.

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2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project

SG25-03 Hydrograph - Precipitation

Title

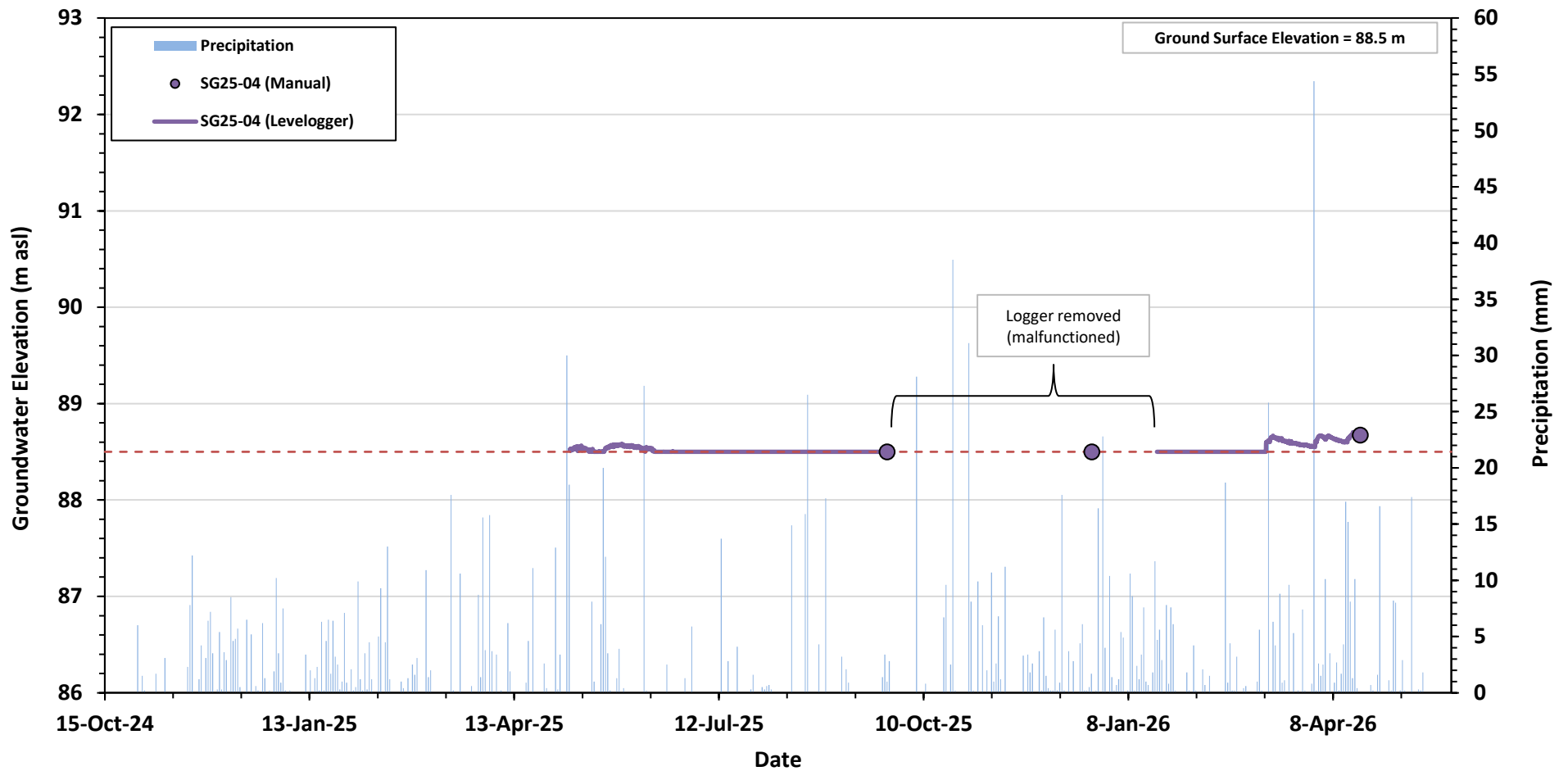
240057-02

Project Number

B-11

Figure Number





Precipitation data was obtained from the Environment Canada Point Petre (AUT) Climate Station (ID 6156559), accessed on May 20, 2026.

2422092 Ontario Ltd.

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2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project



SG25-04 Hydrograph - Precipitation

Title

240057-02

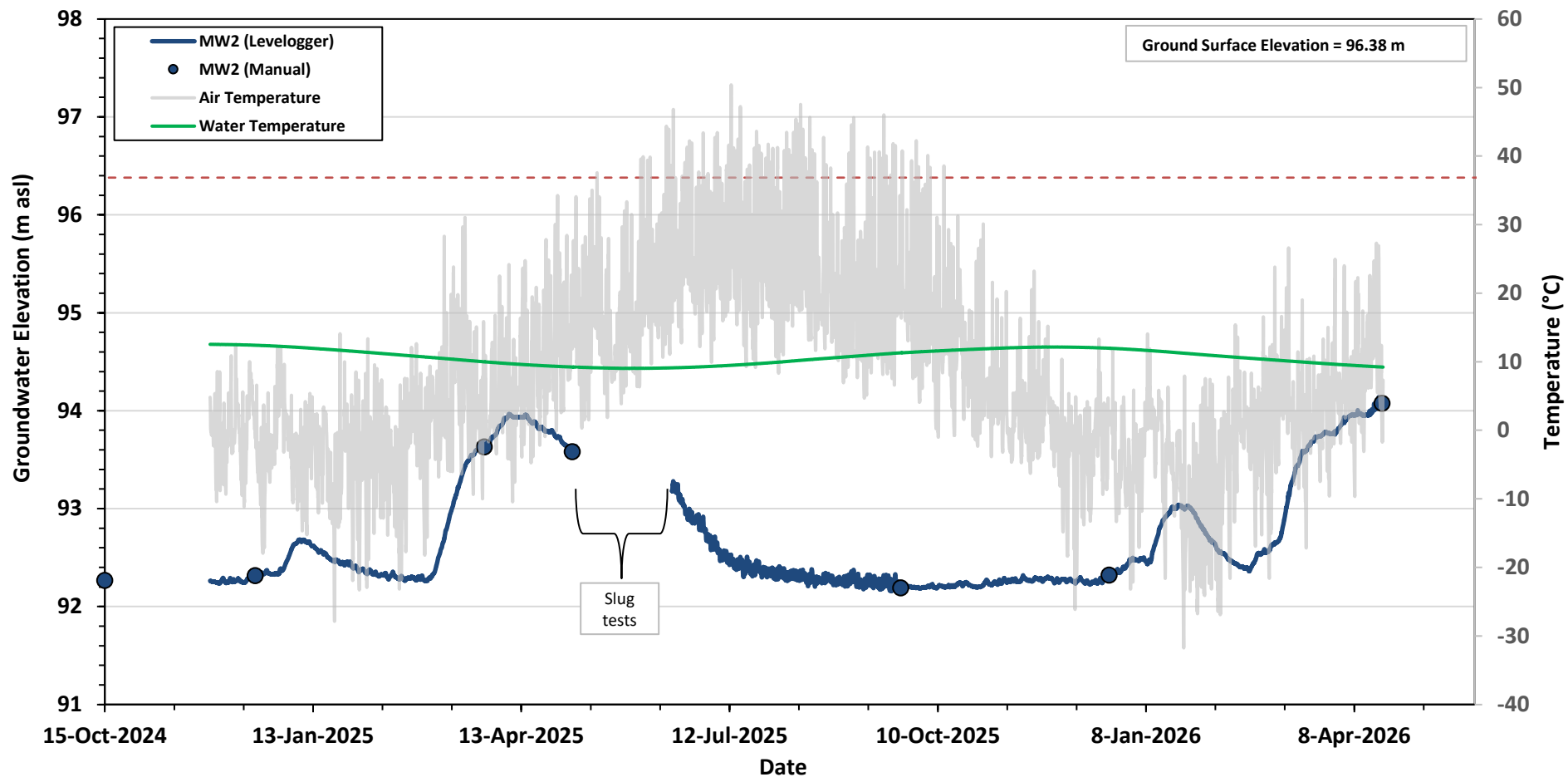
Project Number

B-12

Figure Number

Appendix C

Hydrographs - Temperature



2422092 Ontario Ltd.
Client

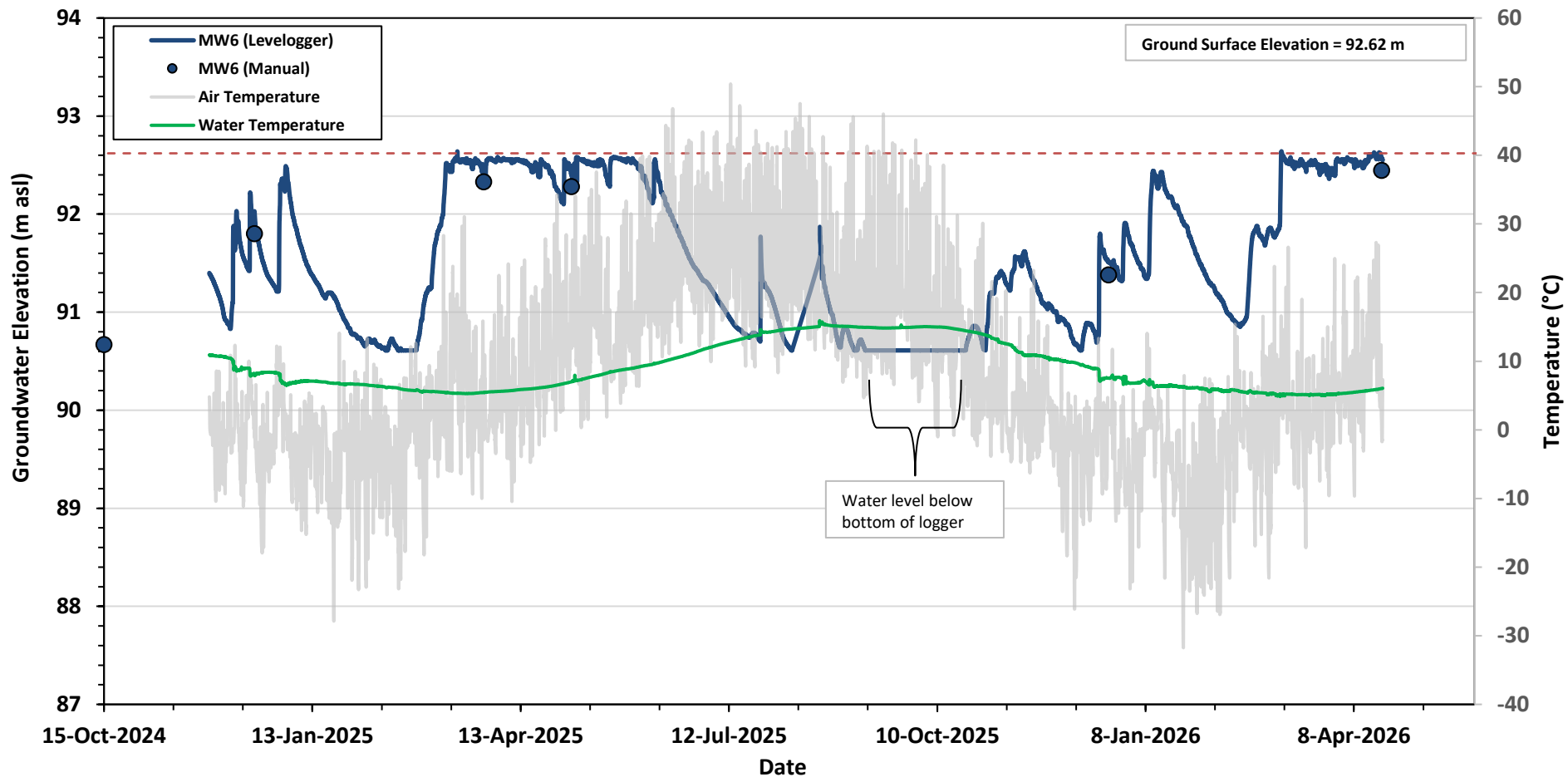
2025-2026 Annual Monitoring Report - Cold Creek Development Site
Project



MW2 Hydrograph - Temperature
Title

240057-02
Project Number

C-1
Figure Number



2422092 Ontario Ltd.

Client

2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project

MW6 Hydrograph - Temperature

Title

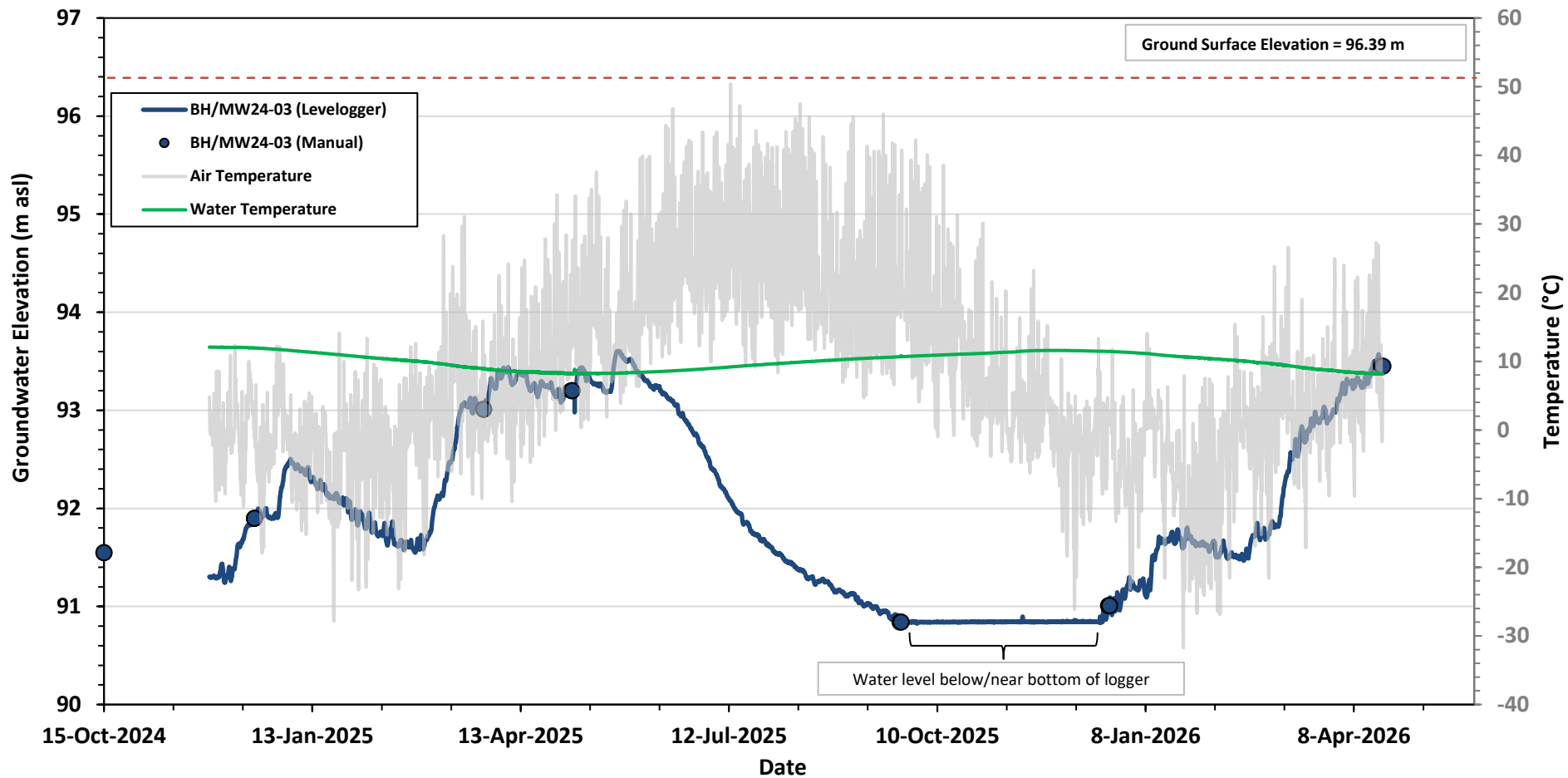
240057-02

Project Number

C-2

Figure Number





2422092 Ontario Ltd.

Client

2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project

MW24-03 Hydrograph - Temperature

Title

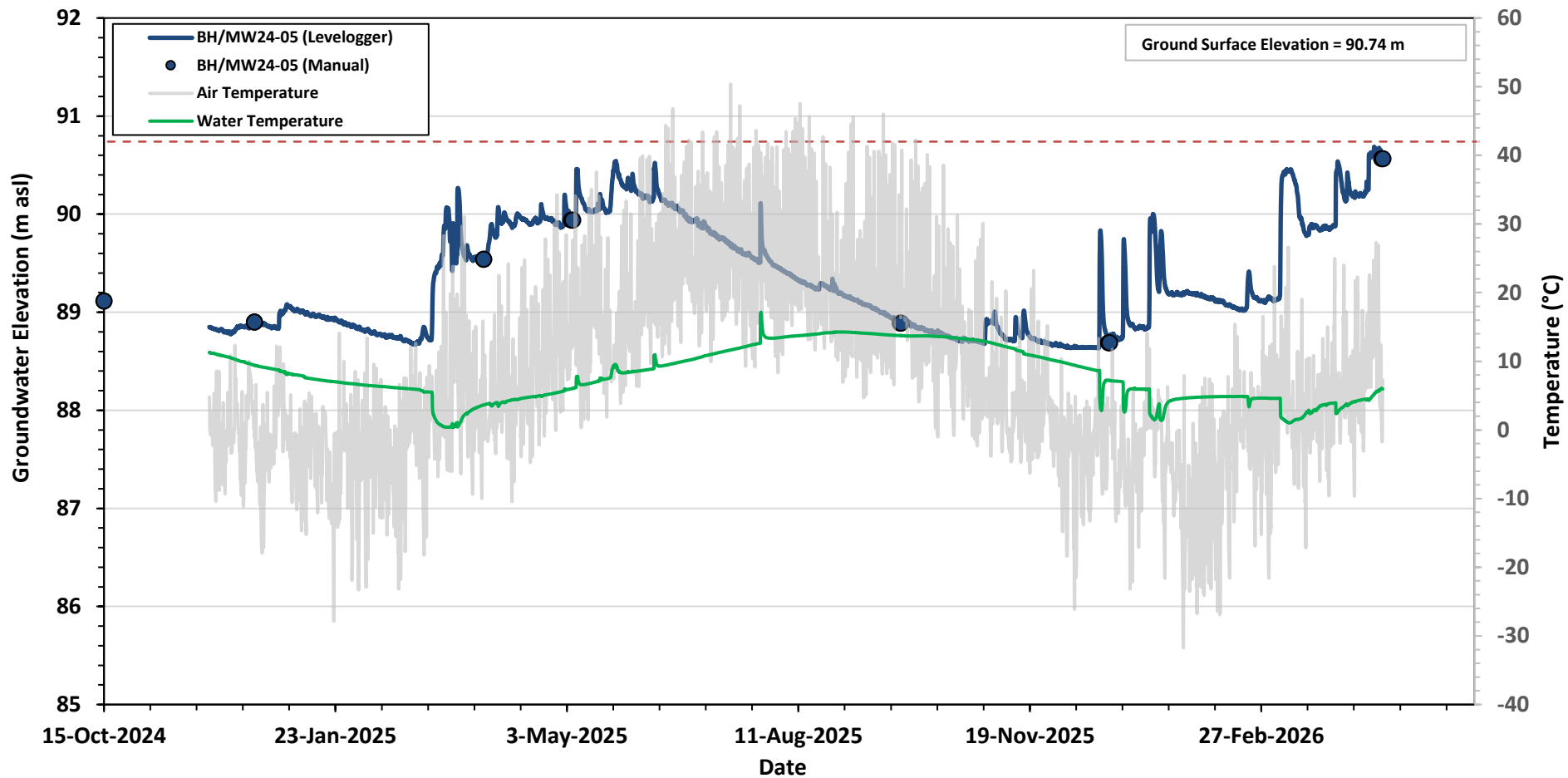
240057-02

Project Number

C-3

Figure Number





2422092 Ontario Ltd.

Client

2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project

MW24-05 Hydrograph - Temperature

Title

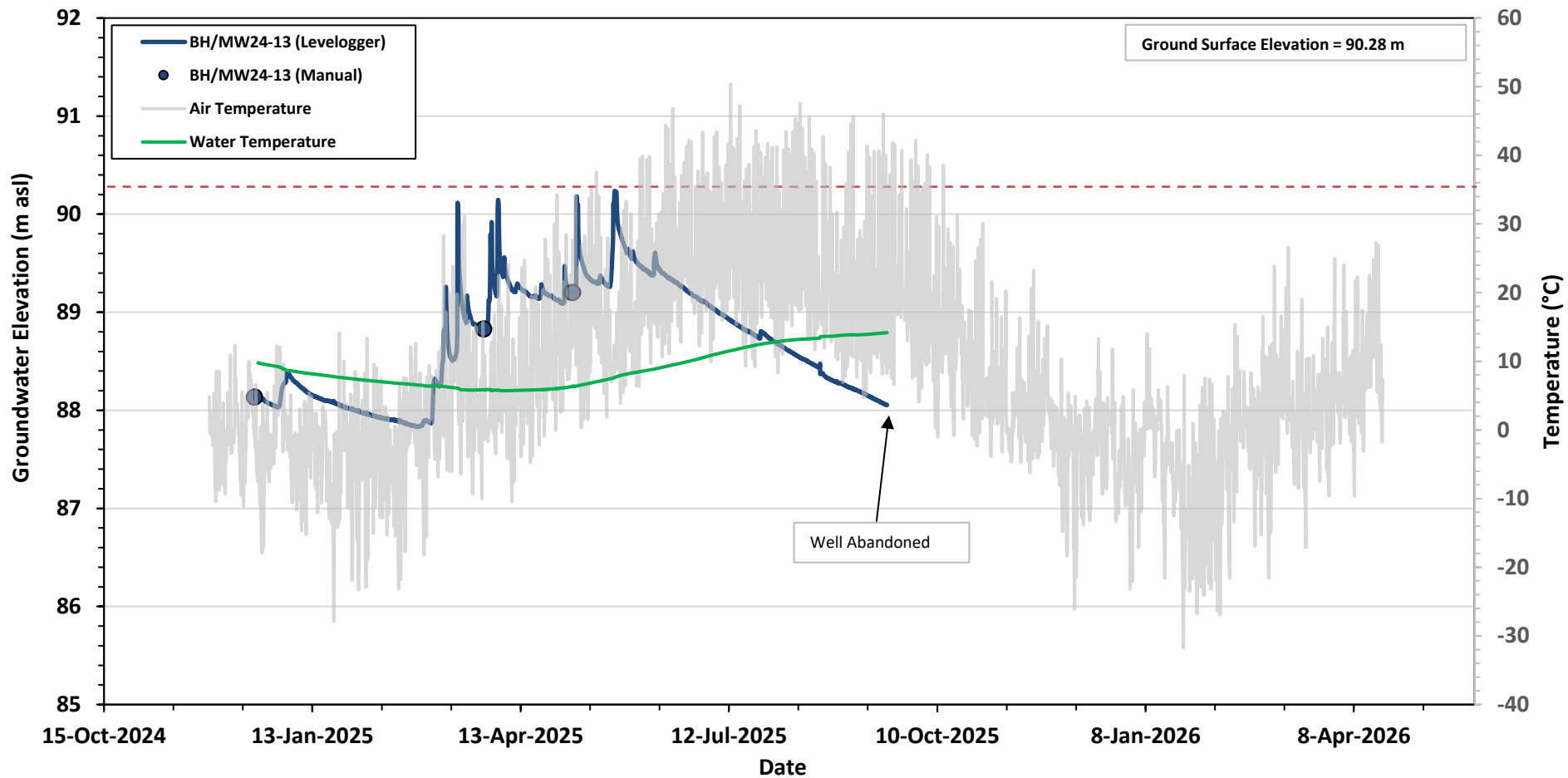
240057-02

Project Number

C-4

Figure Number





2422092 Ontario Ltd.

Client

2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project

MW24-13 Hydrograph - Temperature

Title

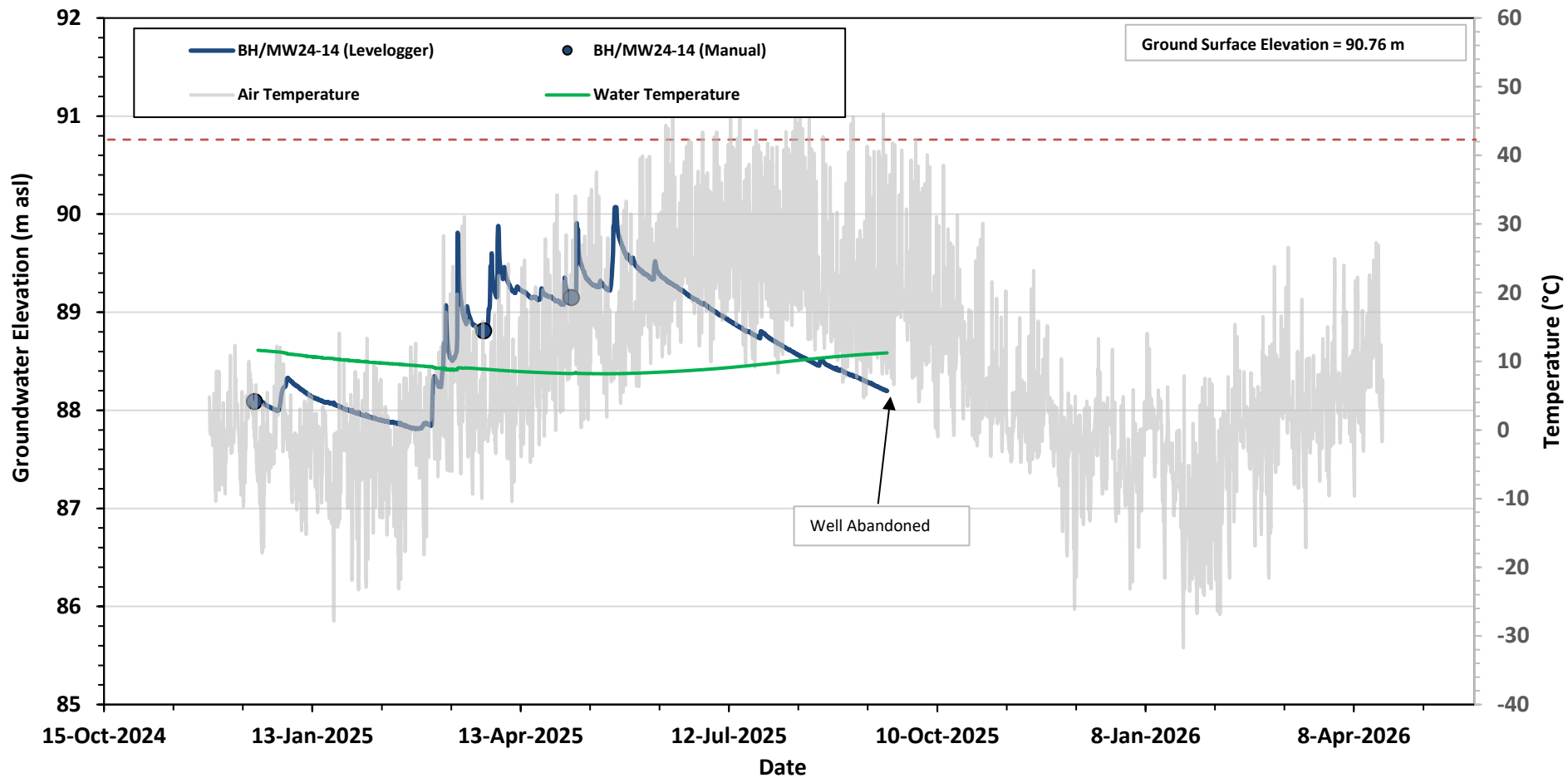
240057-02

Project Number

C-5

Figure Number





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2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project



MW24-14 Hydrograph - Temperature

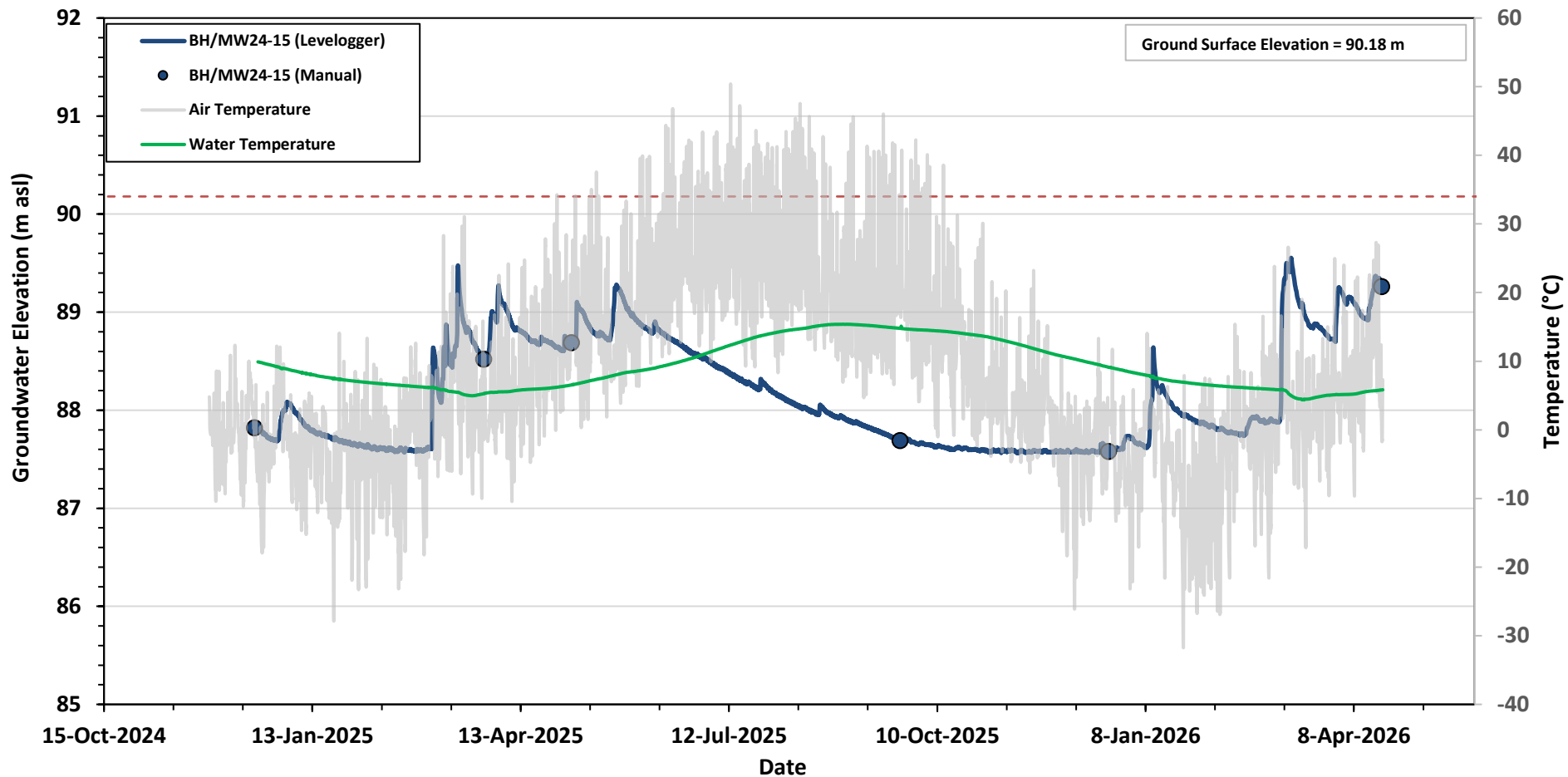
Title

240057-02

Project Number

C-6

Figure Number



2422092 Ontario Ltd.

Client

2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project

MW24-15 Hydrograph - Temperature

Title

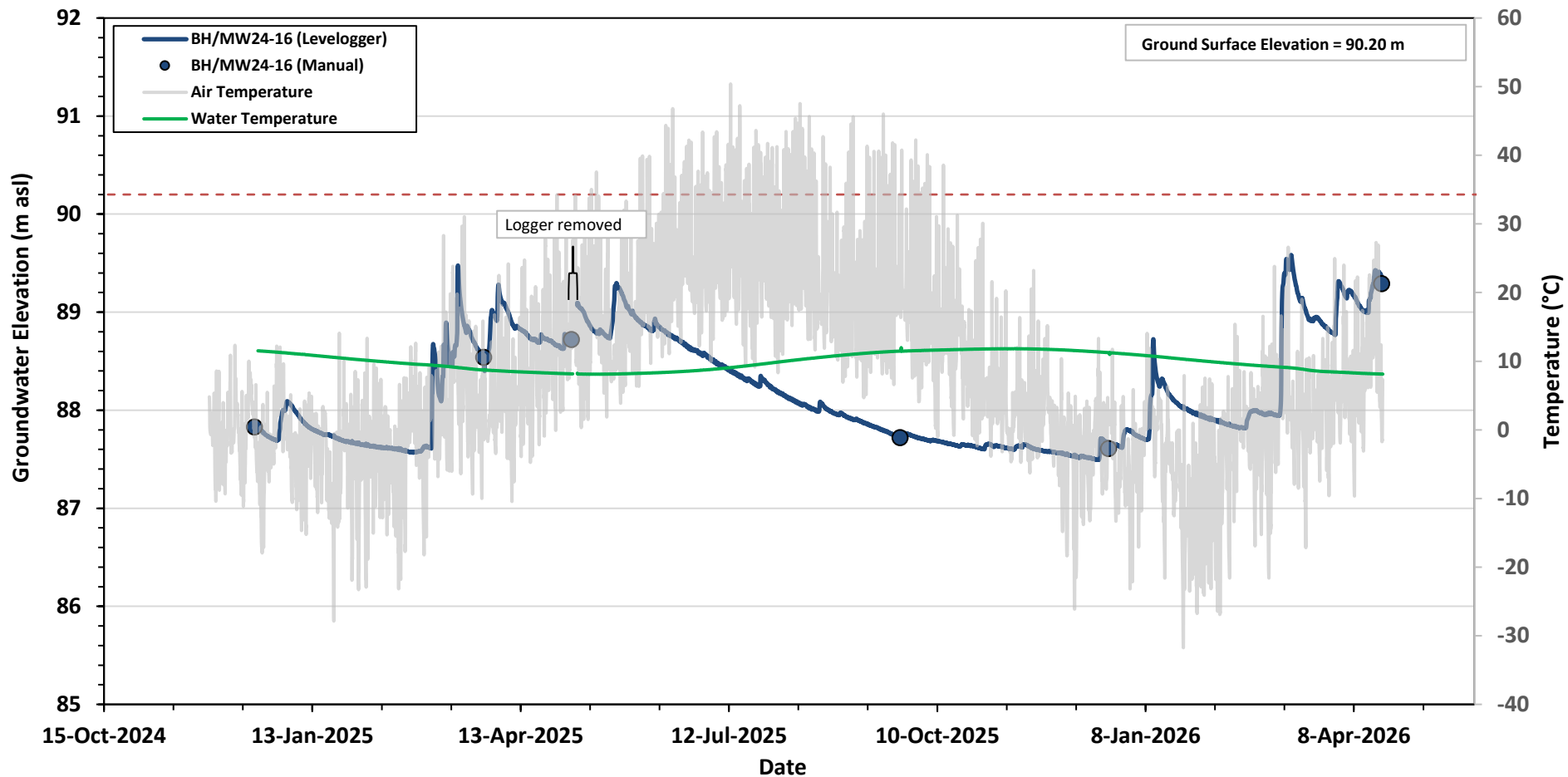
240057-02

Project Number

C-7

Figure Number





2422092 Ontario Ltd.

Client

2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project

MW24-16 Hydrograph - Temperature

Title

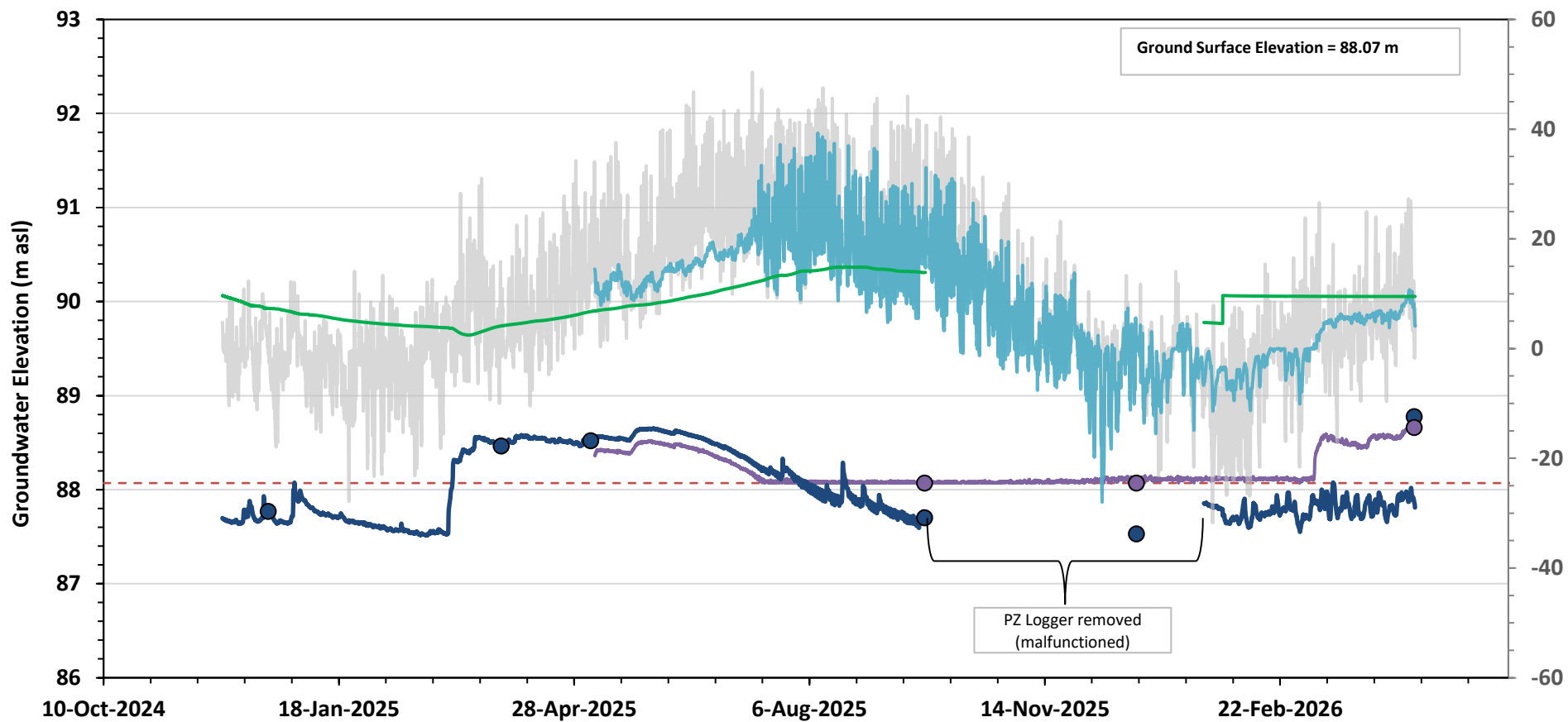
240057-02

Project Number

C-8

Figure Number





SG25-01 (Levellogger)
 PZ24-01 (Levellogger)
 Air Temperature
 Water Temperature - PZ
 PZ24-01 (Manual)
 SG25-01 (Manual)
 Water Temperature - SG



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2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project

Date

PZ24-01 & SG25-01 Hydrograph - Temperature

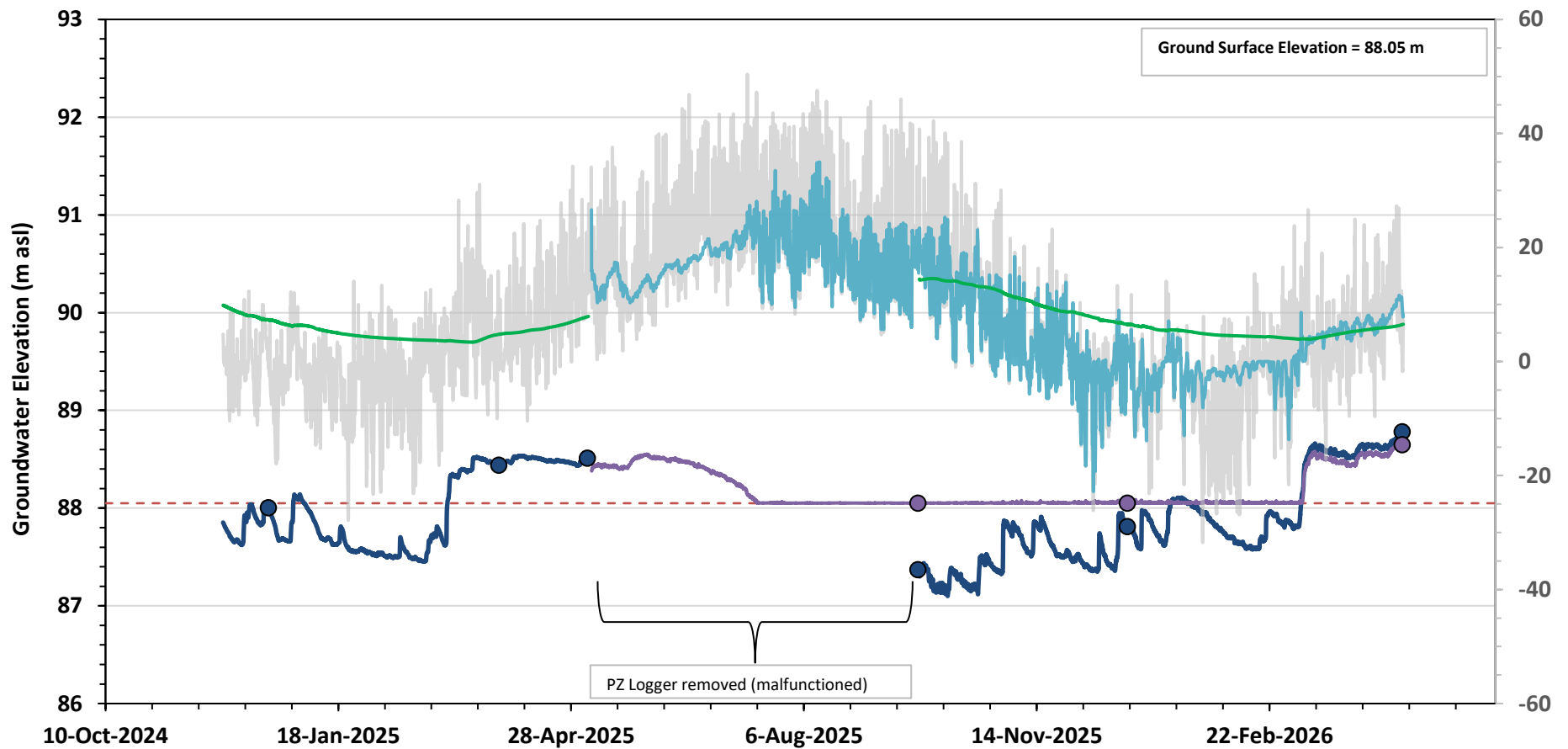
Title

240057-02

Project Number

C-9

Figure Number



— PZ24-02 (Levellogger) ● PZ24-02 (Manual)
 — SG25-02 (Levellogger) ● SG25-02 (Manual)
 — Air Temperature — Water Temperature - SG
 — Water Temperature - PZ



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2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project

Date

PZ24-02 & SG25-02 Hydrograph - Temperature

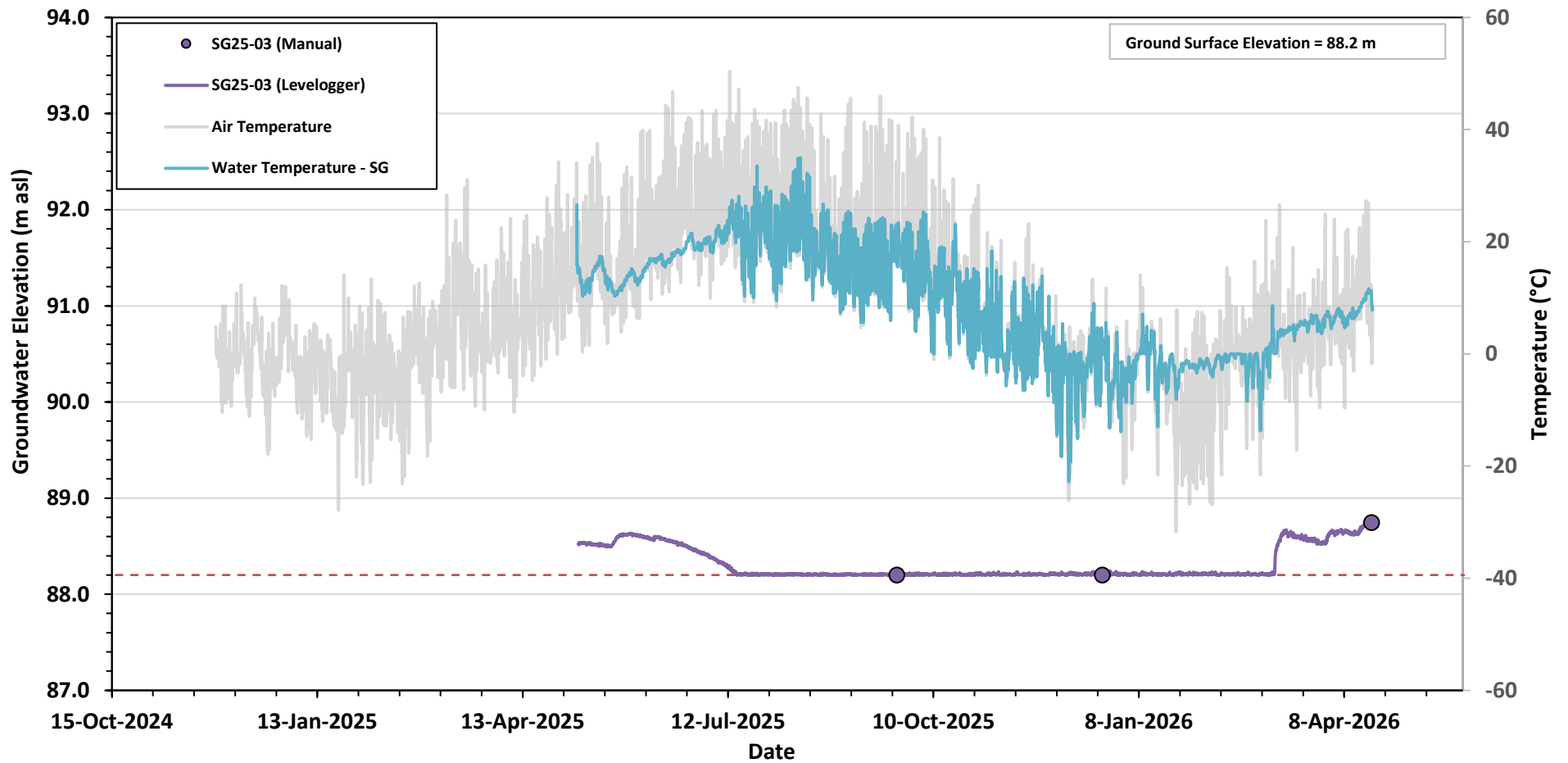
Title

240057-02

Project Number

C-10

Figure Number



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2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project



SG25-03 Hydrograph - Temperature

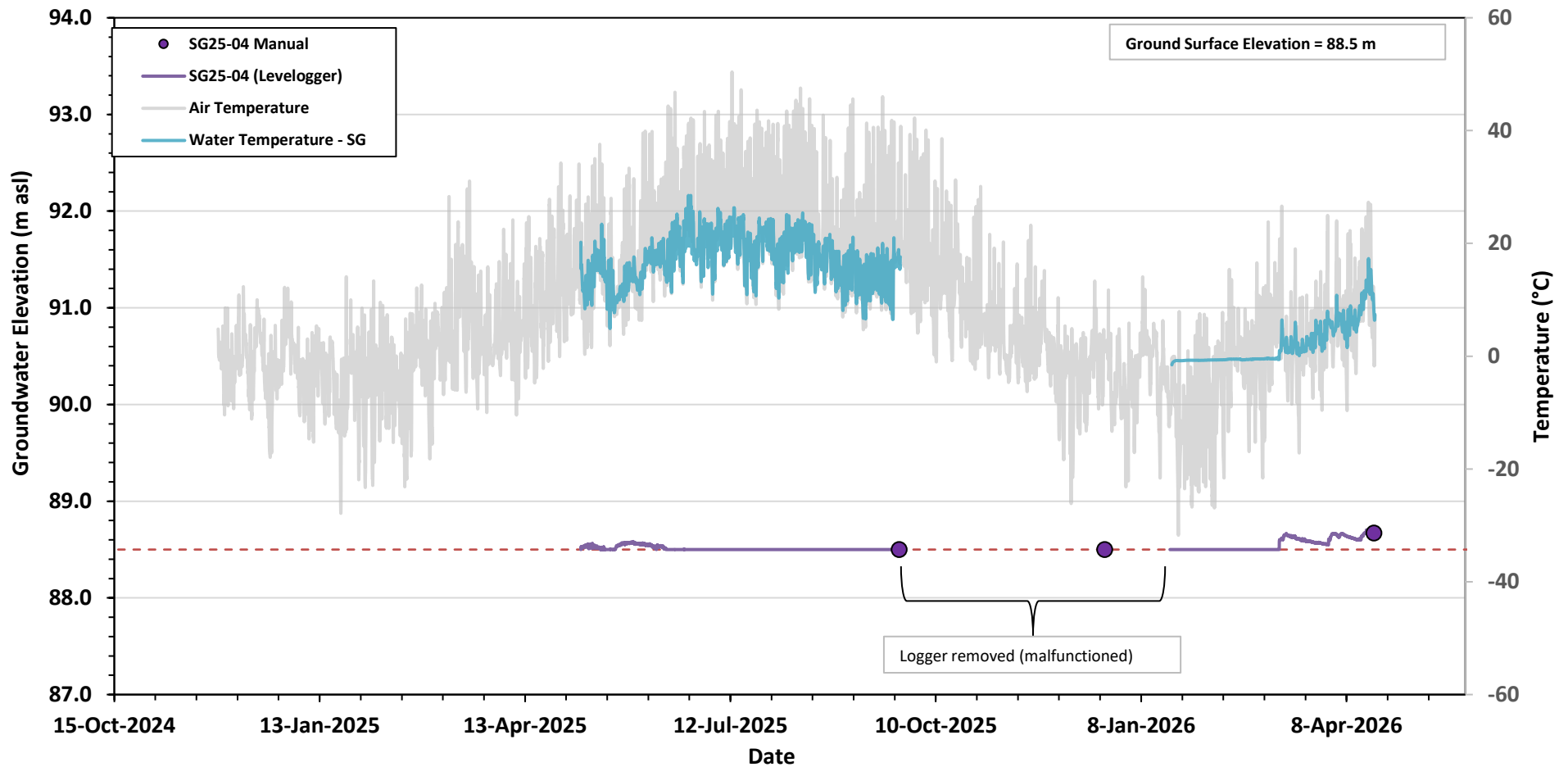
Title

240057-02

Project Number

C-11

Figure Number



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2025-2026 Annual Monitoring Report - Cold Creek Development Site

Project

SG25-04 Hydrograph - Temperature

Title

240057-02

Project Number

C-12

Figure Number



Appendix D

Site Photos



Photo 1: SG25-01 installed May 2025.

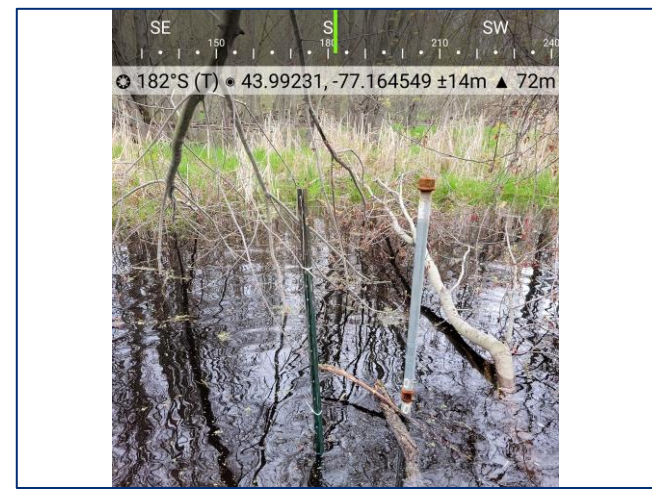


Photo 2: SG25-02 installed May 2025.



Photo 3: SG25-03 installed May 2025.

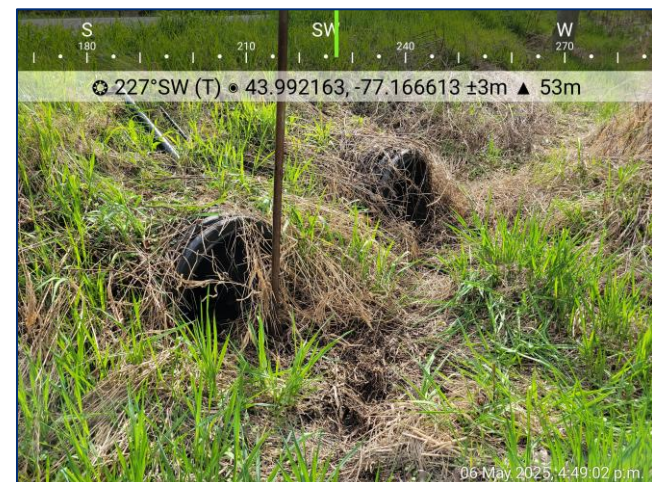


Photo 4: SG25-04 installed May 2025.



Photo 5: MW24-02 found destroyed September 2025.



Photo 7: MW24-04 found destroyed September 2025.



Photo 6: MW24-02 looking southwest, September 2025; area with MWM and BH/MW24-01 had been completely cleared, no signs of wells visible. Bentonite found in area of BH/MW24-01.



Photo 8: MW24-13 and -14 found decommissioned September 2025.



Photo 9: PZ24-01 and SG25-01 (dry), September 2025.



Photo 10: PZ24-02 and SG25-02 (dry), September 2025.



Photo 11: SG25-03 found dry, September 2025.



Photo 12: SG25-04 found dry, September 2025.



Photo 13: PZ24-01 and SG25-01 (dry), December 2025.



Photo 14: PZ24-02 and SG25-02 (dry), December 2025.



Photo 15: SG25-03 found dry, December 2025.



Photo 16: SG25-04 found dry, December 2025.



Photo 17: PZ24-01 (j-plug on top of pipe visible to left) and SG25-01 (green bar on right), April 2026.



Photo 18: PZ24-02 and SG25-01, April 2026.



Photo 19: SG25-03, April 2026.



Photo 20: SG25-04, April 2026.



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