

Appendix 33

Whale Tail 2025 Groundwater Management Monitoring Report



TECHNICAL MEMORANDUM

DATE 5 March 2026

Project No. CA0054001.6953-MBK2026-001-Rev0

TO Marie-Pier Marcil
Agnico Eagle Mines Limited

CC Robin Allard

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WHALE TAIL MINE – 2025 GROUNDWATER MANAGEMENT MONITORING REPORT

Agnico Eagle Mines Limited – Meadowbank Complex (Agnico Eagle) received a Project Certificate No.008 from the Nunavut Impact Review Board for the development of the Whale Tail Mine, a satellite deposit located on the Amaruq Exploration Property. To comply with the Terms and Conditions No.15 and 16 included in the Project Certificate, and as a requirement of the Water Licence no. 2AM-WTP1830 issued by the Nunavut Water Board (NWB), a Groundwater Monitoring Plan (GWMP) was developed and implemented for the Mine.

This memorandum provides a compilation and review of the site-specific groundwater data collection in 2025. The data presented in this memorandum and the relevant sections of the GWMP that are addressed by presented information are as follows:

- Section 1 of the report summarizes the open pit and underground mine operations interacting with groundwater.
- Section 2 of this report provides site-specific data collected in 2025 including thermistor data (Section 2.2 of the GWMP), groundwater quantity data (Section 2.4 of the GWMP), groundwater quality data (Section 2.4 of the GWMP) and hydraulic head monitoring (Section 2.3 of the GWMP).
- Section 3 discusses the mine inflow monitoring data and presents a comparison of these data to model predictions (Section 3.2 of the GWMP), which were last updated in 2022.

1.0 WHALE TAIL SITE

The project consists of mining from the Whale Tail and IVR Pits and underground operations. In 2025, only Whale Tail Pit intercepted groundwater. The IVR pit is in permafrost and is not expected to interact with the deeper groundwater flow system until closure, when the formation of the pit lake will slowly degrade the permafrost underlying the open pit. The Whale Tail underground was still located within permafrost in 2025 and therefore did not intercept groundwater in 2025.

Development of Whale Tail Mine required the dewatering of the North Basin of Whale Tail Lake (North Basin) and the construction of the Whale Tail Dike (WTD), which was completed by 15 May 2020. Prior to dewatering, mining occurred in the portions of the Whale Tail Mine that are outside of the North Basin within permafrost. The eastern

portion was referred to as Quarry 1, and the western area as the Whale Tail (Starter) Pit. During the North Basin dewatering period, Quarry 1, located in permafrost, was the established attenuation pond on site. Starting in the spring of 2020, Quarry 1 and the Whale Tail (Starter) Pit merged to form the Whale Tail Pit. The Quarry 1 attenuation pond was replaced by the Whale Tail Attenuation Pond in June 2020, which is in the dewatered North Basin between the Dike and the South Basin of Whale Tail Pit. In May 2021, the IVR Attenuation Pond was also established to manage contact water. Throughout 2025, the Whale Tail Attenuation Pond continued to receive inflows from Whale Tail Pit as well as WTD seepage from the WTD seepage interception system, Whale Tail Camp, Whale Tail waste rock storage facility pond (May to October only) and surface water runoff. During 2025, some water from WT Attenuation Pond was transferred to IVR Attenuation Pond (March to November) and IVR-1 Pit (January to June).

2.0 MONITORING DATA COLLECTION

2.1 Westbay Well Sampling and Assessment of Groundwater Quality

In accordance with Section 3.1 of the GWMP, hydrostatic pressures were measured from September 30 to October 14, 2025, at Westbay Well AMQ16-626 to monitor hydraulic heads and changes in groundwater flow conditions. Following the pressure measurements, groundwater samples were collected to monitor the total dissolve solids (TDS) and groundwater quality. A technical memorandum documenting this work, sampling results and historical monitoring from AMQ16-626 is included in Attachment A (WSP 2026), and a summary of the results is presented below. The location of AMQ16-626 is illustrated on Figure 1.

Water samples were collected from Ports 3 and 4 of AMQ16-626 in October 2025 to assess groundwater quality. During drilling and installation of the well, the drilling fluid was tagged with fluorescein. During collection of the water samples, the fluorescein concentration was measured to estimate the proportion of the sample attributed to drilling fluid versus formation groundwater. Groundwater quality at each port sampled was estimated using a mass balance calculation on analytical results and initial drilling brine composition to remove the proportion of residual drill fluid from the collected samples.

Given AMQ16-626 had to be installed through permafrost (Golder 2016), removal of groundwater for well development, purging and sampling must be carried out using a small volume sampler which substantially lengthens the time requirement for these activities for each port (months). The sampling program prioritizes key ports that optimized groundwater quality data collection, though each port is accessed for hydraulic pressure measurements. The rationale for ports selected for sampling is provided below.

- Ports 4 and 3 were targeted for sampling based on their port elevation relative to planned underground infrastructure and because these intervals had been substantially developed since 2016 (i.e., drill water had been largely removed from the interval). These ports are used to assess groundwater quality for the Whale Tail Pit.
- Port 6, located within the cryopeg, has not been targeted for sampling since 2021 when it was observed the Formation pressure is taking longer to recover between 1 L sample runs compared to previous years (gradual decrease over time since 2016). This results in a pressure differential at the monitoring port being exceeded, which allows for small amounts of Westbay casing water to enter the Formation and compromise the integrity of the water quality samples being collected.

- Ports 1 and 2 are not targeted for sampling, as development/sampling has been focussed on Ports 3 and 4. Some water is removed from these ports most years to monitor fluorescein content and evaluate if natural flushing has removed drill fluid influence to groundwater near these ports.
- Port 5 was never intended for groundwater sampling and was installed for pressure measurements only.

Based on the 2025 data from Ports 3 and 4, the calculated TDS content of Formation water is estimated to range between 1,573 and 2,177 mg/L near these ports. The TDS in samples from Ports 3 and 4 is similar to measurements in recent years and slightly less saline than historical sampling results in 2016, which may reflect the lower residual drilling fluid content in the collected samples and therefore inferred higher accuracy in the calculated Formation water quality. Overall, although slightly less saline than the Whale Tail TDS profile adopted for the FEIS, the results do not deviate significantly from FEIS assumptions (see Figure 5 in Attachment A).

Arsenic, which is a constituent of interest in the ore and waste rock to be mined, occurs in groundwater at concentrations that are low and consistent with previous reliable data collected from the well. Radium-226 in groundwater measured in 2025 at Ports 3 and 4 were below the Federal MDMER Effluent criteria.

The assumptions for the conceptual model for the mine site are considered unchanged by 2025 groundwater quality monitoring at AMQ16-626.



- LEGEND**
- WATER SAMPLING STATIONS 2025**
- ◆ WESTBAY SYSTEM
 - ⊕ DIKE SEEPAGE
 - WALL SEEPAGE
 - LAKE
 - POND
 - ▲ SUMP
- WATER SAMPLING STATIONS (PRIOR TO 2023)**
- WALL SEEPAGE
 - ▲ SUMP



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DATUM: NAD 83 CSRS PROJECTION: UTM ZONE 14

CLIENT **AGNICO EAGLE MINES LIMITED:**
 MEADOWBANK DIVISION

AGNICO EAGLE
 PROJECT
 2025 GROUNDWATER MONITORING PROGRAM
 WHALE TAIL MINE, NUNAVUT

TITLE
WATER SAMPLING STATIONS

CONSULTANT	YYYY-MM-DD	2026-01-21
	DESIGNED	NU
	PREPARED	CDB
	REVIEWED	DH
	APPROVED	JL

PROJECT NO. CONTROL REV. FIGURE
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2.2 Thermal Monitoring Related to Groundwater Flow Interpretation

Whale Tail Mine thermal monitoring is documented in Attachment B, which includes the 2025 Whale Tail Mine Thermal Monitoring Report (Agnico Eagle 2026a). There are currently ninety-eight (98) active thermistors at the Whale Tail Mine site, and their approximate locations are presented in Appendix A of Attachment B and Figure 2 for thermistor AMQ-PSW3-DDH1_TH (same location as piezometer PSW3-DDH1).

Under the GWMP, AMQ17-1233 and AMQ17-1337 were intended to monitor permafrost conditions between Nemo Lake and Whale Tail Mine (verify the presence of permafrost and the restricted horizontal movement of groundwater below the active layer due to permafrost in the upper 450 to 520 m of bedrock). These thermistors, formerly located outside of the pit footprint (refer to Appendix A of Attachment B), are no longer functioning due to mining activity but were showing permafrost conditions until they stopped functioning in 2019. Thermistor IVR long V651A TH was installed to the southeast of IVR Pit in 2019 to continue to monitor permafrost conditions. Many of the shallow beads installed in V651A TH malfunctioned in 2022 and the data is unavailable, however data from the deeper thermistor beads is collected and confirm permafrost is present at depth up to approximately 450 metres below ground surface.

Nine thermistors (PSW-DH2 TH, PSW-DH3 TH, PSW-DH6 TH, PSW-DH7 and PSW-DH-10 through PSW-DH14 TH) were installed in 2020 to monitor the talik zone near the south wall of the Whale Tail Pit. In August 2021 these thermistors were dismantled due to nearby mining activity and data is no longer available. While active, these thermistors were used to evaluate if during open pit mining and with the dewatering of the North Basin, the closed talik zone will progressively freeze back. Through the year 2021 until their dismantling in August 2021, some freeze-back was observed in the upper bedrock in thermistors PSW-DH2 TH, PSW-DH3 TH, PSW-DH7 TH and PSW-DH10 TH (refer to Appendix A of Attachment B), resulting in minor changes to the talik zone extent.

Two new thermistors, AMQ-PSW-DDH1_TH and PWS_Ramp_TH, were installed within the south wall of the Whale Tail Pit in 2022 and 2024, respectively. The thermistors serve to continue to monitor the talik zone during open pit mining operations and remain operational. The available 2024 and 2025 data collected from thermistor AMQ-PSW3-DDH1_TH indicate a slow but continuous decrease in temperature within the talik zone near the south wall of Whale Tail Pit. The available 2025 data collected from thermistor PWS_Ramp_TH installed within the south wall of the Wall Tail Pit ramp indicate the boundary between the talik and permafrost around mine grid elevation 5010 metres relative level (mRL). Agnico Eagle also notes that seepage passing through the aggregate of the ramp may also be contributing to seasonal warming from the pit wall at mine grid elevation 5026 mRL (refer to Appendix A of Attachment B).

As part of the Whale Tail Dike Operation Maintenance and Surveillance Manual, performance of the Whale Tail Dike (WTD) was monitored with thermistors located downstream and/or upstream (U/S) of the WTD (0+110, US 0+130, WAC 0+130, 0+142, 0+190 U/S, 0+210, 0+240, 0+260, 0+276 U/S, 0+310, 0+336 U/S, 0+340 DS West, 0+360, 0+380, 0+407, 0+425, 0+453, 0+475, 0+500, 0+520, 0+530, 0+550, 0+580, 0+596, 0+607, 0+618 DS East, 0+635, 0+645, 0+665, 0+675, 0+685, 0+695, 0+707.5, 0+710 U/S, 0+720, 0+740, 0+750, 0+772 U/S, EAC 0+781, 0+790). Similar to observations in 2023 and 2024, Agnico Eagle indicates that the trend of permafrost degradation noted at the abutments in 2021 did not progress laterally based on the 2025 thermistor readings. They did note field observations indicative of further degradation (observed settlement upstream and downstream of the east and west abutments) (Agnico Eagle 2026a). The thermal regime in this area is interpreted to have not yet reached an equilibrium.



- LEGEND**
- HYDRAULIC HEAD MONITORING STATIONS (2025)**
- WESTBAY SYSTEM
 - PIEZOMETER
 - POND
- HYDRAULIC HEAD MONITORING STATIONS (PRIOR TO 2023)**
- PIEZOMETER



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DATUM: NAD 83 CSRS PROJECTION: UTM ZONE 14

CLIENT **AGNICO EAGLE** MINES LIMITED:
MEADOWBANK DIVISION

PROJECT
 2025 GROUNDWATER MONITORING PROGRAM
 WHALE TAIL MINE, NUNAVUT

TITLE
HYDRAULIC HEAD MONITORING STATIONS

CONSULTANT	YYYY-MM-DD	2026-01-21
	DESIGNED	NU
	PREPARED	CDB
	REVIEWED	DH
	APPROVED	JL

PROJECT NO. CONTROL REV. FIGURE
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2.3 Hydraulic Head Monitoring and Definition of Horizontal and Vertical Groundwater Flow

Hydraulic head was estimated from pressure data recorded in 2025 from the Westbay Well AMQ16-626 (Attachment A) and from piezometers (refer to Figure 2) installed to monitor the south wall of the Whale Tail Pit and the performance of the WTD (Attachment C). The Whale Tail Pit is located in the dewatered North Basin of Whale Tail Lake. The talik in the pit area is closed at depth but transitions to open talik towards the South Basin due to the increased width and depth of Whale Tail Lake towards the south. Due to the dewatering activities, some freeze back of the talik in the North Basin is possible as mining progresses, and some alteration in vertical hydraulic gradients will have occurred.

Permafrost underlies the land surrounding the lake, which restricts the lateral flow of groundwater to the talik and restricts the recharge of the sub-permafrost groundwater flow system by precipitation. Regionally groundwater flow is controlled by surface water elevations in lakes with open talik; water moves vertically through the open talik to the underlying sub-permafrost groundwater flow system. Conceptually lakes with open taliks in continuous permafrost regions are equivalent to large monitoring wells.

AMQ16-626 was installed to evaluate groundwater quality and the hydraulic gradient in the unfrozen bedrock as part of baseline characterization. Freshwater hydraulic heads were derived from the formation pressures measured at each monitoring port installed along the well prior to development or sampling. With mining of the Whale Tail Pit, there has been a general decrease in hydraulic heads relative to pre-development conditions. The largest increase occurred in the early years of operations and since then, the hydraulic heads have been relatively similar year after year, with the exception of Port 6. At Port 6 a sharp decline in 2025 was observed, the source of which is unknown. It is suspected the reading is erroneous, either from measurement error or because the sample interval is recovering slowly from past purging (port is located in cryopeg). In the pre-development years (2018 and 2019) there was a downward hydraulic gradient observed between Ports 4 and 1, which was calculated to be 0.008 m/m in 2018 and 0.006 m/m in 2019. The hydraulic gradients are calculated using the freshwater hydraulic heads and the distance between the sampling interval midpoints. Overall TDS is low and correction of this gradient for buoyancy effects would be within 0.001 to 0.002 m/m and would not alter the interpreted groundwater flow direction.

After dewatering of the North Basin of Whale Tail Lake and excavation of the Whale Tail open pit, the gradient is no longer consistently downward. An upward gradient is present at shallow depths (between Port 4 and 5) and a downward gradient is present at depth (between Port 1 and 4). The downward hydraulic gradient observed between Ports 4 and 1 has generally increased between 2020 and 2025 (0.001 to 0.008 m/m respectively). The lower hydraulic heads are attributed to the dewatering of the North Basin and the ongoing excavation of the open pit.

As part of pit and WTD surveillance monitoring, hydraulic data is collected from a series of vibrating wire piezometers installed upstream and downstream of the WTD. Water levels are also monitored in the Whale Tail Lake South Basin and in the Whale Tail Attenuation Pond, located between the WTD and the Whale Tail Pit. Due to nearby mining activities, piezometers installed near the south wall of the Whale Tail Pit were decommissioned between August 21 and 23, 2021 (PSW-DH01 to PSW-DH14). Multilevel piezometer PSW3-DDH1 was installed in September 2022 to monitor hydraulic head data collected in the south wall of the Whale Tail Pit. The

approximate locations of the historical and existing piezometers are illustrated in Figure 2, and the collected 2025 data is presented in Attachment C.

Hydraulic heads measured in the multilevel piezometer PSW3-DDH1 have decreased since it was installed in 2023 in response to the advanced mining operations (Figure C-1 in Attachment C). Temporal variations are observed in the data in response to multiple influences, including precipitation, blasting and variations in surface water levels in the Whale Tail Attenuation Pond. The correlation of hydraulic heads measured to surface water levels in the pond is strongest in the shallower piezometers installed in PSW3-DDH1.

Relatively stable downward vertical gradients were observed in 2025 in the shallower sensors installed in PSW3-DDH1 (C through E). Since it was installed in 2022 to May 2025, PSW3-DDH1 reverts to an upward hydraulic gradient between the two deepest sensors (A and B) located below the base of the pit, which reflects the influence of pit depressurization on the groundwater flow system.

2.4 Whale Tail Mine Inflow Quantity and Quality

2.4.1 Whale Tail Pit Sump Inflow Quantity

In accordance with Section 4.1 of the GWMP, pit inflow quantity during the 2025 Whale Tail Pit operations was monitored by Agnico Eagle. Water that accumulates in the pit sump consists of groundwater inflow, surface water runoff and direct precipitation. Total monthly volumes of water pumped from the sump during the winter months is assumed to predominantly represent groundwater inflow as freezing temperatures restricts surface water runoff and the influence of direct precipitation.

The total and average daily volume of water pumped per month from the Whale Tail Pit sump in 2025 is presented in Table 1. Inflow to Whale Tail Pit is a mixture of surface water inputs (runoff and direct precipitation) and groundwater inflow. The groundwater inflow is a mixture of saline groundwater and subsurface seepage from the Whale Tail Attenuation Pond and South Basin of Whale Tail Lake. For 2025, flow measurements recorded in the winter months are considered the best estimate of groundwater inflows to the pit as surface water inflows should be minimal. The flow observed in the months of January, February, March, April, November, and December ranged between 1,058 m³/day to 2,324 m³/day, with an average flow rate of 1,869 m³/day. These six months are considered to be representative of winter conditions when inflow to the pit from sources other than groundwater would be reduced.

Table 1: 2025 Monthly Total Volumes of Water Pumped from Whale Tail Pit Sump

Operations	Month	Total Volume Pumped (m ³)	Average Daily Volume (m ³ /day)
Mining	January	64,938	2,095
	February	52,492	1,875
	March	64,217	2,072
	April	69,727	2,324
	May	119,616	3,859
	June	82,940	2,765
	July	118,101	3,810
	August	128,018	4,130
	September	54,615	1,821

Operations	Month	Total Volume Pumped (m ³)	Average Daily Volume (m ³ /day)
Mining	October	29,101	939
	November	31,743	1,058
	December	55,105	1,778

Note: m³ = cubic metres

2.4.2 Seepage Surveys

The Whale Tail Mine is in its sixth year of operations. Per the GWMP, a seepage survey is only required once per year in August following the first year of operations. The objective of the seepage surveys is to identify preferential groundwater flow pathways in the walls of the open pit, if present, and to determine their relative contribution to the groundwater inflow to the pit with respect to water quantity and quality.

Agnico Eagle notes that seepage has consistently been observed in the southeast wall in 2025 (herein referred to as south wall), and the seepage forms ice in the pit walls during the winter. The seepage is attributed to a highly weathered zone near surface as opposed to faults, which is consistent with the original conceptual model for the Whale Tail Mine and the prediction of a seepage face in the south wall. All of the groundwater seepage observed in the south wall is intercepted by Whale Tail Pit sumps.

The seepage area observed in the south wall continues to be present. Agnico Eagle notes two major ice walls extending to a height of 35 and 84 metres (mine grid elevation 5004 mRL and 5109 mRL, respectively, to active mining floor, 4962 mRL), with a lateral extent of about 160 to 200 metres. The majority of the south wall seepage reports to the sump (ST-GW-WT-1, refer to Figures 1 and 3) located at the base of the pit wall at 5088 mRL.

Figure 3 shows the location of specific seeps noted by Agnico Eagle in the south wall during 2025. A photograph of the seepage along the Whale Tail Pit south wall is presented in Attachment D. Seepage monitoring was conducted at stations ST-WT-4 and ST-GW-WT-1 and limited by mining operations (drill and blasting, mucking and/or scaling) or accessibility due to safety concerns (loose material requiring safety offset, indication of potential rockfall, etc.). At the end of 2025, the pit sump (ST-WT-4) was located at 4990 mRL.

Seepage water quality analysis is discussed in Section 2.4.3.

2.4.3 Whale Tail Pit Inflow Quality

In accordance with Section 4.2 of the GWMP, Agnico Eagle collected water samples from the following locations in 2025.

- Whale Tail Pit sump station ST-WT-4.** Water from the pit sump (ST-WT-4) reflects the combined influences of groundwater inflow, surface water runoff and precipitation, and pit development (blasting). Of the sump samples, water quality measurements in the winter months (November to April) will be the most representative of groundwater as surface water inflows will be near their minimum. Some influences of blasting and mine excavation will be present. The location of the pit sump is temporary and can be relocated based on operations.

- **Whale Tail Pit seepage station ST-GW-WT-1.** Water from pit wall seep ST-GW-WT-1 is a reflection of the groundwater inflow to the pit, which is a mixture of saline groundwater inflow and subsurface seepage from the Whale Tail Attenuation Pond and South Basin of Whale Tail Lake. In comparison to the pit sump, the seeps are a better estimate of groundwater inflow quality as the direct surface water inputs to the pit do not influence the seep water quality.

Water quality from the Whale Tail pit sump (ST-WT-4) and Whale Tail Attenuation Pond (ST-WT-1) was monitored on a weekly to a monthly basis for Group 1 chemical parameters listed in Table 1 Schedule I of NWB Water Licence Number 2AM-WTP1830 and for additional parameters of interest including electrical conductivity, select major ions (potassium, sodium and calcium are not included), select dissolved metals, ortho-phosphate and total phosphorus. During 2025, ST-WT-1 was consistently analyzed for arsenic (dissolved) and only analyzed for bicarbonate alkalinity, carbonate alkalinity, total organic carbon, dissolved organic carbon, Sodium Adsorption Ratio (SAR), reactive silica, dissolved metals and total kjeldahl nitrogen during the October session. These parameters are useful for assessing water quality and checking laboratory TDS. Field measured parameters including dissolved oxygen, electrical conductivity, pH, temperature, and turbidity were recorded during sampling.

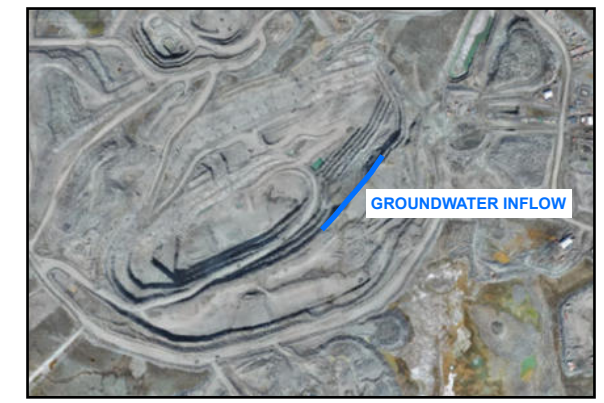
A summary of the TDS and chloride measured at the pit sump (ST-WT-4) and Whale Tail Attenuation Pond (ST-WT-1) is presented in Attachment E, along with data from the pit wall seepage samples and WTD seepage (described further below). Full water quality results from the Whale Tail Attenuation Pond (ST-WT-1), the Whale Tail pit sump (ST-WT-4), and the Whale Tail Dike (ST-WT-17) are presented in the 2025 Meadowbank Complex Annual Report (Agnico Eagle 2026b). Although not required under the GWMP, water quality samples are collected from the Whale Tail Attenuation Pond (ST-WT-1), and from Whale Tail Dike Seepage (ST-WT-17) and are discussed in this section for comparison to pit inflow data.

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LEGEND

- WALL SEEPAGE (2025)
- ▲ SUMP
- ① PHOTO LOCATION (REFER TO ATTACHMENT D PHOTO 1)



REFERENCE(S)

1. ST-GW-WT-1 SAME LOCATION AS DRILL HOLE-1 DURING 2021 AND 2022 MONITORING PERIODS. ST-GW-WT-1 RELOCATED IN 2023 DUE TO SAFETY CONCERNS.
2. SEEPAGE LOCATIONS VARY IN TIME AS THE WALL IS FREEZING AND THAWING THROUGHOUT THE COURSE OF THE YEAR.
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DATUM: NAD 83 CSRS PROJECTION: UTM ZONE 14

CLIENT **AGNICO EAGLE MINES LIMITED:**
MEADOWBANK DIVISION

PROJECT
2025 GROUNDWATER MONITORING PROGRAM
WHALE TAIL MINE, NUNAVUT

TITLE
SEEPAGE LOCATIONS NOTED BY AGNICO EAGLE IN 2025

CONSULTANT	YYYY-MM-DD	2026-01-21
	DESIGNED	NU
	PREPARED	CDB
	REVIEWED	DH
	APPROVED	JL

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Five (5) pit wall seepage samples were collected from ST-GW-WT-1 in 2025 (refer to Table 2). No samples were collected in January through May, November and December due to accessibility issues related to operations and/or safety concerns. The seepage samples collected at ST-GW-WT-1 were collected from wall runoff directly below the observed discharge. No accessible open fracture could be located that was suitable for the insertion of a piece of low-density polyethylene tubing, which can be used to prevent the sample from contacting the atmosphere or exposed pit wall (which may contain residuals associated with blasting and loading from the exposed rock).

Pit wall seepage samples were submitted to Bureau Veritas Laboratories (BV) for laboratory analysis of parameters including the Group 1 chemical parameters listed in Table 1 Schedule I of the Water Licence, and for additional parameters of interest included in the GWMP (bicarbonate alkalinity, carbonate alkalinity, dissolved organic carbon, total organic carbon, electrical conductivity, major ions, select total/dissolved metals, ortho-phosphate, reactive silica, total kjeldahl nitrogen and total phosphorus). Analytical results for the ST-GW-WT-1 are included in Attachment E.

Table 2: Summary of 2025 Whale Tail Pit Seepage Samples

Station ID	UTM Zone	Easting (m)	Northing (m)	Sampling Date(s) ^(a)	Analytical Parameters ^(b,c)
ST-GW-WT-1	14W	606959	7255230	15-Jun-25 14-Jul-25 4-Aug-25 8-Sep-25 5-Oct-25	Group 1 chemical parameters listed in Table 1 Schedule I of NWB Water Licence Number 2AM-WTP1830 and additional parameters listed in GWMP (electrical conductivity, select major ions, select dissolved metals ^(d) , ortho-phosphate, total phosphorus, and Radium-226)

Notes: m = metres

- a) Pit wall seepage samples could not be collected in January through May, November and December 2025 due to accessibility issues related to operations and/or safety concerns.
- b) Fluoride (Group 1 Water Licence parameter) and Radium-226 were not analyzed in the pit wall seepage samples collected on June 15, 2025.
- c) Salinity (additional parameter listed in GWMP) was not analyzed in any of the pit wall seepage samples collected in 2025. Sodium Adsorption Ratio (SAR) was not analysed in the pit wall seepage samples collected on June 15, 2025.
- d) Dissolved metals calcium, magnesium, potassium and sodium were not analysed in the pit wall seepage samples collected on June 15, 2025 (additional parameters listed in GWMP).

Water quality from the WTD seepage (ST-WT-17) was monitored on a monthly basis for the same parameter suite as the pit wall seepage samples (Group 1 chemical parameters). Station ST-WT-17 consists of water that accumulates in the collector ditch located at the toe of the WTD structure and the water can be partly diluted with surface runoff. The approximate location of ST-WT-17 is shown on Figure 1. A channel located downstream of the toe diverts the WTD seepage to the Whale Tail Attenuation Pond by gravity.

Figures E-1 and E-2 of Appendix E show the variation in TDS and chloride in the above monitoring stations throughout 2025. TDS measured in the pit sump (ST-WT-4) was variable and ranged from approximately 170 mg/L to 825 mg/L. The variability reflects the temporal interactions of surface water runoff, pit wall runoff, blasting and groundwater inflow, with the winter months providing the best estimate of the contribution from groundwater. The TDS measured in the pit wall seepage in 2025 ranged from approximately 235 to 365 mg/L and were similar to the TDS measured in the pit sump during the winter months (average of 236 mg/L), when surface influences are low and the sump water quality is most representative of groundwater inflow. In 2025, concentrations of TDS and chloride in the pit sump were variable where concentrations tend to be lower in the

winter, when surface water inputs are low. Maximum concentrations of TDS and chloride in the pit sump were observed in September 2025.

TDS in the Whale Tail Attenuation Pond follows a similar trend to the TDS in the pit sump, although concentrations are slightly lower. Similar to the pit sump, concentrations of TDS in the Whale Tail Attenuation Pond were generally lower during the winter months. Lower still is the seepage water collected from the Whale Tail Dike Seepage, which is inferred to be primarily derived from the surface water in the South Basin. The elevated TDS in the Whale Tail Attenuation Pond reflects the relative contributions of groundwater inflow, surface water inputs, and pit inflow that is pumped back to the Whale Tail Attenuation Pond.

The TDS measured in the pit wall seepage in 2025 ranged from approximately 235 to 365 mg/L. The seepage water quality is similar to measurements in the Whale Tail Attenuation Pond at the time the seepage samples were collected. This is consistent with the understanding that seepage loss from the Whale Tail Attenuation Pond makes up a significant portion of the inflow to the Whale Tail Pit (see Section 3).

3.0 MEASURED VERSUS PREDICTED GROUNDWATER INFLOW AND TDS QUALITY

3.1 Predicted Groundwater Inflow and TDS Groundwater Concentrations

Table 3 presents a summary of the predicted average annual groundwater inflow to the Whale Tail Pit during operations, as documented in the updated FEIS Environmental Assessment (EA) Scenario (Golder 2019). Water discharging to the pit is a mixture of saline groundwater and subsurface seepage from the Whale Tail Attenuation Pond South Basin of Whale Tail Lake. Contributions of TDS in the groundwater from Whale Tail Attenuation Pond seepage and seepage from the South Basin are assumed to be zero in the groundwater model and were accounted for in the Site-Wide Surface Water Balance and Water Quality Models, along with the direct influences of surface water additions in the pit (runoff and precipitation). This means that predicted TDS values in Table 3 from the groundwater model will be lower than the TDS measured directly in the sumps and seepage wall samples, as these water quality samples include TDS loading from the Whale Tail Attenuation Pond and South Basin of Whale Tail Lake (which are not zero). The Whale Tail Attenuation Pond is somewhat of a feedback loop as flow from the pit is pumped to the pond, where it mixes with other water and a portion reinfilters and seeps back to the pit. The Water Balance and Water Quality Models account for this mixing.

Table 3: FEIS Predicted Groundwater Inflow and Groundwater Quality During Mining of Whale Tail Pit (Golder 2019)

Phase	Simulated Period Time	Whale Tail Modeled Predictions – EA Scenario			
		Groundwater Inflow (m ³ /day)	Groundwater Inflow TDS Concentration (mg/L) ^(a)	Portion of Inflow from Attenuation Pond (%)	Portion of Inflow from South Basin of Whale Tail Lake (%)
Lake Dewatering (Q1-Q3)	2019	1,330	80	NA	NA
Mining	August – December 2019 ^(b)	970	120	1%	<1%
	2020	1,170	50	64%	<1%
	2021	1,320	30	79%	3%
	2022	1,360	20	81%	9%
	2023	1,360	20	82%	12%
	2024	1,350	10	82%	14%
	2025	1,350	10	82%	15%

NA = not applicable; TDS = total dissolved solids; m³/day = cubic metres per day; mg/L = milligrams per litre; % = percent;

- a) TDS concentrations do not account for loading from the South Basin of Whale Tail Lake and Whale Tail Attenuation Pond (model assumes a TDS of 0 mg/L for these seepage sources). TDS from these sources to be accounted for in Site-Wide Water Quality analysis.
- b) Mining prior to Q4 2019 was anticipated to be within permafrost and groundwater inflow was predicted to be negligible.

In 2021, inflow measurements were trending 50% higher than predicted for based on the groundwater model developed for the FEIS (Golder, 2019), triggering a review and update of the groundwater model. On this basis, Lorax (2023) completed a model update and recalibrated the model to operational data (2021 average winter pumping rates from the Whale Tail Sump and hydraulic heads measured at Westbay AMQ16-626). Documentation of the model is provided in Attachment F, and a summary of the updated groundwater inflow predictions based on the recalibrated model are provided in Table 4.

Table 4: Updated Groundwater Inflow Predictions (Lorax 2023).

Year	2022 Groundwater Model - Base Case				
	Whale Tail Pit Inflow	Inflow from Whale Tail Attenuation Pond		Inflow From Whale Tail South Basin ¹	
	(m ³ /d) ¹	%	m ³ /d	%	m ³ /d
2022	3,070	33%	1,013	67%	2,057
2023	3,740	35%	1,309	65%	2,431
2024	3,750	35%	1,313	65%	2,438
2025	3,750	35%	1,313	65%	2,438

- a) Approximately 10% of the inflow to Whale Tail Pit travels from the Whale Tail South Basin to the Whale Tail Attenuation Pond and then into the pit. This flow is included in the percentage/flow rate originating from the Whale Tail South Basin.

3.2 Comparison of Model Predicted Values to Measured Values

In accordance with the GWMP, measured groundwater inflow rates are to be compared to model predictions on an annual basis. If significant variations from model predictions are observed, the assumptions behind the data will be reviewed and the analysis updated if required. In addition, updates to the groundwater model should be made if operational changes occur as the open pit advances which could significantly alter groundwater inflow or groundwater quality (TDS).

Variations that would be considered significant and that would trigger a review of the data include:

- Groundwater inflow quantity to the mine, based on rolling monthly average of inflow over six consecutive months, is 20% higher than predicted groundwater inflow. The six-month averaging period of observation is based on observed seasonal variations in inflow quantities in mines situated in continuous permafrost regions, where half the year there is virtually no surface water component of flow to the pit.
- Collected water samples that indicate that the TDS is more than 25% higher than the estimated water quality, based on a 6-month rolling average.
- Temperature profiles observed in the sentinel thermistors (AMQ17-1233 and AMQ17-337) located between Nemo Lake and Whale Tail Lake are showing sign of permafrost degradation below the active layer.
- Observed inflow quantity and quality is lower than expected would not be of concern and/or effect water management plans on-site. Model updates or analysis would therefore not be conducted if predicted inflow quantity and quality is higher than observed conditions.

In 2025, the flow observed during the winter months (January, February, March, April, November and December) ranged between 1,058 m³/day to 2,324 m³/day, with an average flow rate of 1,869 m³/day. As previously discussed, flow measurements during the winter months are the best estimate of groundwater inflow rates to the Whale Tail Pit since surface water inflows should be minimal. The inflow in the winter will reflect saline groundwater inflow and seepage from the Whale Tail Attenuation Pond and South Basin of Whale Tail Lake, with input from the Whale Tail Attenuation Pond expected to be most significant. Overall, inflow measurements are trending 50% lower than the updated predictions for 2025, and no revision of the model based on the triggers is required.

As part of the updated groundwater modelling completed in 2023 (Attachment F, Lorax 2023), groundwater inflow to the open pit was predicted to be composed of 35% inflow from the Whale Tail Attenuation Pond and 65% inflow from Whale Tail South Basin. Overall, TDS measured in pit wall seepage was similar to the TDS measured in the Whale Tail Attenuation Pond (within 20 mg/L). The TDS in the Whale Tail Pit sump tended to be slightly higher than both the pit wall seepage and the Whale Tail Attenuation Pond, which in turn was generally higher than the Whale Tail Dike Seepage. In the winter months the TDS in the Whale Tail Pit sump was generally similar and within 70 mg/L of the TDS in the Whale Tail Attenuation Pond. These observations suggests that the source water proportions may be overpredicting the contribution of water from the Whale Tail Dike Seepage. Overall, measured groundwater inflow to the open pit in the winter was 50% lower than predicted values using the updated model for 2025, and it's possible that the model is overpredicting inflow from the Whale Tail South Basin.

4.0 SUMMARY

The following presents a summary of the data contained in this document and how the data relate to relevant sections of the GWMP.

- Westbay Well AMQ16-626 was sampled in October 2025. TDS estimated from these samples is similar to measurements in recent years and slightly less saline than historical sampling results in 2016. Overall, although slightly less saline than the Whale Tail TDS profile adopted for the FEIS, the results do not deviate significantly from FEIS assumptions.
- Pressure monitoring at AMQ16-626 indicates that hydraulic heads continue to decrease slightly since pre-mining conditions. An upward gradient is present at shallow depths (between Port 4 and 5) and a downward gradient is present at depth (between Port 1 and 4). The downward hydraulic gradient observed between Ports 4 and 1 measured 0.001 m/m in 2020 and 2021, 0.002 m/m in 2022 and 0.006 m/m in 2023 and 2024, and 0.008 m/m in 2025. Overall, the gradient in 2025 is similar to recent years and the shift in gradient relative to pre-development conditions reflects the dewatering of the North Basin and the ongoing excavation of the Whale Tail Pit.
- Data from IVR long V651A indicates permafrost is present outside of the lake footprint in at least the upper 450 metres, which will restrict horizontal groundwater flow. Oscillations in temperature data observed in this thermistor in the deeper beads should be reviewed in 2026.
- Some degradation of permafrost has been observed in the eastern and western abutments of the WTD, as indicated by observed settlement by Agnico Eagle. Thermistor monitoring of the Whale Tail Dike area will continue in 2026.
- The average 2025 inflow to the Whale Tail Pit is estimated to be 1,869 m³/day, based on the winter sump inflow measurements in January, February, March, April, November, and December. The average inflow rate is approximately 50% lower than predicted value by the groundwater model for 2025 (Lorax 2023), and no revision of the model is required based on GWMP triggers.
- TDS measured in the pit sump was variable and ranged from approximately 170 to 825 mg/L. The TDS measured in the pit wall seepage in 2025 ranged from approximately 235 to 365 mg/L and were similar to the TDS measured in the pit sump during the winter months (average of 236 mg/L), when surface influences are low and the sump water quality is most representative of groundwater inflow. The seepage water quality is also similar to measurements in the Whale Tail Attenuation Pond at the time the seepage samples were collected. Groundwater modelling (Attachment F) predicted groundwater inflow to the open pit in 2025 will be composed of 35% inflow from the Whale Tail Attenuation Pond and 65% inflow from Whale Tail South Basin. The TDS measurements suggests that the source water proportions may be overpredicting the contribution of water from the Whale Tail South Basin via the Whale Tail Dike Seepage. This may be associated with the general over prediction of groundwater inflow to the pit.
- In 2025, sampling parameter requirements of the Water Licence and/or GWMP were met for the seepage wall samples, with the exception of fluoride (Water Licence), and dissolved metals calcium, magnesium, potassium and sodium (parameters listed in GWMP) were not analyzed in the pit wall seepage sample collected on 15 June, 2025;. As recommended in the 2021 report, additional parameters of interest included in the GWMP (bicarbonate alkalinity, carbonate alkalinity, dissolved organic carbon, electrical conductivity,

major ions, select total/dissolved metals, ortho-phosphate, total kjeldahl nitrogen, total phosphorus and total organic carbon) were analyzed for in 2025.

5.0 STUDY LIMITATIONS

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The conclusions presented in this report are based on work performed by trained, professional and technical staff, in accordance with their reasonable interpretation of current and accepted engineering and scientific practices at the time the work was performed.

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Overall conditions can only be extrapolated to an undefined limited area around these testing and sampling locations. The conditions that WSP interprets to exist between testing and sampling points may differ from those that actually exist. The accuracy of any extrapolation and interpretation beyond the sampling locations will depend on natural conditions, the history of Site development and changes through construction and other activities. In addition, analysis has been carried out for the identified chemical and physical parameters only, and it should not be inferred that other chemical species or physical conditions are not present. WSP cannot warrant against undiscovered environmental liabilities or adverse impacts off-Site.

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We trust the above meets your needs, please contact the undersigned for any questions or concerns.

WSP Canada Inc.

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Attachments: Attachment A – 2025 Westbay Well Sampling Technical Memorandum
Attachment B – 2025 Thermal Monitoring Report
Attachment C – 2025 Piezometric Monitoring Data
Attachment D – 2025 Seepage Survey Photograph
Attachment E – 2025 Supplemental Water Quality Data
Attachment F – 2022 Whale Tail Groundwater Model Update

7.0 REFERENCES

- Agnico Eagle (Agnico Eagle Mines Limited). 2019. Whale Tail Pit Project Groundwater Monitoring Plan. Version 3_NWB. May 2019.
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ATTACHMENT A

**2025 Westbay Well Sampling
Technical Memorandum**



TECHNICAL MEMORANDUM

DATE 5 March 2026 **Project No.** CA0054001.6953-MBK2025_024-TM-Rev0

TO Mare-Pier Marcil
Agnico Eagle Mines Limited

CC Robin Allard

FROM Nickie Unonius, Dale Holtze, Jennifer Levenick **EMAIL** nickie.unonius@wsp.com;
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WHALE TAIL MINE – 2025 GROUNDWATER MONITORING OF WESTBAY WELL AMQ16-626

1.0 INTRODUCTION

Agnico Eagle Mines Limited – Meadowbank Complex (Agnico Eagle) is developing the Whale Tail Mine that was approved by the Nunavut Impact Review Board (NIRB). The property is a 408 square kilometre (km²) site located on Inuit Owned Land approximately 150 kilometres (km) north of the hamlet of Baker Lake and approximately 50 km northwest of the Meadowbank Mine in the Kivalliq Region of Nunavut.

This report documents the 2025 groundwater monitoring of Westbay Well AMQ16-626. This well is monitored as a compliance requirement of Water Licence no. 2AM-WTP1830 associated with Whale Tail Project Certificate No. 008.


2.0 BACKGROUND

AMQ16-626 was installed between March and April in 2016 as part of baseline characterization for the Whale Tail mine. The well is located southeast Whale Tail Pit and extends at depth below the Whale Tail Attenuation Pond (Figure 1). The well is used to collect groundwater samples at multiple depths below ground surface and to measure vertical hydraulic gradients.

2.1 Well Installation and Sampling Zones

The well was installed through massive diorite at an inclination of -69 degrees, at an azimuth of 152.6 degrees and to a depth of 499 metres along the borehole (mah). A tagged 9% calcium chloride brine was used to displace the fresh water in the upper portion of the borehole to prevent freezing during the well installation. The well was designed to sample discrete zones of bedrock below the permafrost, as well as potential zones of higher hydraulic conductivity identified during drilling and well testing. Six sampling ports (as summarized in Table 1) were installed and of these six ports two are routinely sampled (Ports 3 and 4 located between 326 m to 357 metres below ground surface). Port 6 has also been monitored in the past; however, the port is suspected to be in cryopeg and therefore is not considered a representative estimate of the unfrozen bedrock groundwater conditions. A schematic of the AMQ16-626 well installation and sampling ports is included in Attachment A. Full installation records and associated hydraulic testing are documented in a separate report (Golder 2016b).



LEGEND
 WESTBAY SYSTEM



REFERENCE(S)
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DATUM: NAD 83 CSRS PROJECTION: UTM ZONE 14

CLIENT  **AGNICO EAGLE** MINES LIMITED:
MEADOWBANK DIVISION

PROJECT
 2025 WESTBAY SYSTEM MONITORING PROGRAM WHALE TAIL MINE, NUNAVUT

TITLE
SITE PLAN

CONSULTANT	YYYY-MM-DD	2026-01-12
	DESIGNED	NU
	PREPARED	CDB
	REVIEWED	DH
	APPROVED	JL

PROJECT NO. CONTROL REV. FIGURE
 CA0054001.6953 2000.4 0 1

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

Table 1: Borehole AMQ16-626 Westbay System Zones

Sampling Interval	Depth Along Borehole			Depth Below Ground Surface			Elevation		
	From	To	Length	From	To	Thickness	From	To	Thickness
	(mah)	(mah)	(m)	(mbgs)	(mbgs)	(m)	(masl)	(masl)	(m)
Port 6	276.0	287.4	11.4	257.7	268.3	10.6	-103.2	-113.9	10.6
Port 5	298.9	310.3	11.4	279.0	289.7	10.6	-124.6	-135.2	10.6
Port 4	349.3	359.1	9.8	326.1	335.2	9.1	-171.6	-180.8	9.1
Port 3	381.3	392.7	11.4	356.0	366.6	10.6	-201.5	-212.5	10.6
Port 2	440.8	452.2	11.4	411.5	422.2	10.6	-257.1	-267.1	10.6
Port 1	488.1	499.0	10.9	455.7	465.9	10.2	-301.2	-311.4	10.2

Notes:

Depth values were provided by Westbay Instruments Completion Report.
 m = metres; mah = metres along the hole, relative to top of casing; mbgs = metres below ground surface; masl = metres above sea level.

2.2 Historical Monitoring Results and Interpretation

Following installation, the total dissolved solids (TDS) content in the Formation water was estimated from 2016 sampling results to range between 3,198 mg/L and 4,042 mg/L (Golder 2016a). Formation water refers to the natural groundwater in the rock formation, as opposed to the water collected from the sampling ports which is a mixture of any residual drilling water and Formation water.

The 2016 groundwater quality estimates were used to predict the salinity of groundwater, which is an input to groundwater and thermal models that are used to predict the TDS in the groundwater inflow to the mine developments (Golder 2018a). Groundwater quality estimates were also an input to the Whale Tail pit lake hydrodynamic model (Golder 2018b). These models have been, and continue to be, utilised to assess potential effects of mining during development operations, closure and post closure.

The results of the compendium of modelling studies indicated that chemical mass transfer from the pit to the pit lake at post closure would be very low largely because the volume of groundwater seepage into and out of the pit lake would be negligible, particularly compared to surface water exchanged annually when flows between the flooded pit lake and downstream lakes are re-established. The combination of results suggested that the hydrogeological regime around the pit lake is not critical to pit lake water quality post-closure.

Supplemental pre-mining development sampling was conducted at the well in 2018 and 2019 (Golder 2019a; 2019b). Data collected since 2020 represents monitoring that has been conducted during active mining. For this operational period, Port 3 and Port 4 data have been found to be in the same range as the 2016 baseline characterization when data quality was reliable (WSP 2025). Port 6, located within the cryopeg, is not considered a representative estimate of the unfrozen bedrock groundwater conditions. Port 6 has not been targeted for sampling since 2021 when it was observed the Formation pressure was taking longer to recover between 1 L sample runs compared to previous years (gradual decrease over time since 2016). This results in a pressure differential at the monitoring port being exceeded, which allows for small amounts of Westbay casing water to enter the Formation and compromise the integrity of the water quality samples being collected.

3.0 2025 GROUNDWATER MONITORING PROGRAM

3.1 Objectives

The objectives of the program are as follows:

- Measure the pressure profile at AMQ16-626 ports to evaluate the vertical hydraulic gradient / groundwater flow direction. These data are used to evaluate changes in groundwater flow conditions during mining compared to pre-mining.
- Collect groundwater samples from Port 3 and 4 of AMQ16-626. Water quality analysis from these samples will add to the database of groundwater quality results used to monitor groundwater quality near Whale Tail Pit and underground.

3.2 Methodology

3.2.1 Hydraulic Head Measurements

Prior to purging and sampling, the pressure was recorded at sampling ports 1 through 6 on 30 September 2025 and converted to freshwater hydraulic heads using the density of freshwater. The pressure was also measured at each at the end of the field program on 14 October 2025. The formation pressure was measured using the Mosdax sampler manufactured and supplied by Westbay Instruments (refer to Attachment B for instrument calibration record).

3.2.2 Groundwater Sampling

As the upper part of the Westbay System is installed through permafrost, removal of groundwater for well development, purging and sampling must be carried out using a small volume sampler as opposed to the Westbay purge system. This substantially lengthens the time required to purge and sample at each port (months). Consequently, the sampling program prioritizes key ports that optimize groundwater quality data collection. The ports selection rationale for the 2025 program is provided below.

- Ports 1 and 2 were not targeted for sampling in 2025 as monitoring in 2024 indicated that the ports have not been sufficiently flushed of residual drill fluid. In the 2025 program, water was removed from Port 1 (8 litres on October 2025) and Port 2 (one litre) to evaluate if natural flushing has displaced drilling fluids and returned the interval area to pre-drilling groundwater quality.
- Ports 4 and 3 were targeted for sampling based on their port elevation relative to planned underground infrastructure and because these intervals had been substantially developed since 2016 (i.e., drill water had been largely removed from the interval). These ports are used to assess groundwater quality for the Whale Tail Mine.
- Port 5 was never intended for groundwater sampling and was installed for pressure measurements only.
- Port 6, located within the cryopeg, is not considered a representative estimate of the unfrozen bedrock groundwater conditions. Port 6 has not been targeted for sampling since 2021 when it was observed the Formation pressure was taking longer to recover between 1 L sample runs compared to previous years (gradual decrease over time since 2016). This results in a pressure differential at the monitoring port being exceeded, which allows for small amounts of Westbay casing water to enter the Formation and compromise the integrity of the water quality samples being collected.

Groundwater sampling was performed using the Westbay Mosdax sampler following a similar method as the previous monitoring events. The Mosdax sampler collects 1 Litre of groundwater at a time (per sampling instrument descent into the well, equivalent to one 'run'). Throughout the 2025 monitoring program, field chemical parameters (electrical conductivity, specific conductance, fluorescein content, pH, salinity, temperature and total dissolved solids) were measured during development and sampling of groundwater in order to track the removal of the fluid introduced into the Formation by drilling. It is assumed that drilling water is the only source of fluorescein introduced near borehole AMQ16-626 such that it is a reliable tracer of introduced water into the Formation.

Fluorescein content was measured using the AquaFluor handheld Fluorometer manufactured by Turner Designs. Temperature and pH and values were measured with a Hanna Combo tester (HI 98127). Electrical conductivity, specific conductance (temperature corrected electrical conductivity), salinity, temperature and total dissolved solids were measured using a YSI Pro 30 Conductivity Probe. A drilling water content of less than 5 to 10% original drill brine content (estimated using fluorescein content) and removal of one Port interval volume at each sampling event, was targeted to provide a workable estimate of Formation water quality prior to collecting the water sample (i.e., purging at least one port interval volume: 5.43 Litres per metre in the annulus based on the known dimensions of the 38-millimeter diameter Westbay casing and the 96-millimeter diameter HQ outer hole). Water quality data from samples containing a higher residual drilling fluid content can be investigated but provides an imprecise estimation of Formation water quality.

Collected groundwater samples from Ports 3 and 4 were analyzed for the parameters listed in Section 4.2 of the GWMP and in Schedule I Table 2 of the Whale Tail Water Licence, as follows:

- Hardness, pH, conductivity, salinity, total suspended solids (TSS), total dissolved solids (TDS) and turbidity.
- Anions and nutrients, including alkalinity, ammonia, bicarbonate, bromide, carbonate, chloride, dissolved organic carbon (DOC), total kjeldahl nitrogen (TKN), total organic carbon (TOC), fluoride, nitrate, nitrite, ortho-phosphate, total phosphorus, reactive silica and sulphate.
- Metals (dissolved and total), including aluminum, antimony, arsenic, barium, beryllium, boron, cadmium, calcium, chromium, copper, iron, lead, lithium, magnesium, manganese, mercury, molybdenum, nickel, potassium, selenium, sodium, strontium, thallium, tin, titanium, uranium, vanadium and zinc. Additional metals were also analyzed by the laboratory as part of the metals package, however they are not of interest to the project and will not be discussed herein out: bismuth, cobalt, silicon and sulfur.
- Total and free cyanide as well as Weak Acid Dissociable (WAD) cyanide.
- Radium-226.

Radium-226 is not included in the Whale Tail Water Licence; however, it was analyzed as it previously occurred at concentrations higher than the Canadian effluent guidelines at some sample ports during previous sampling events and is regulated under the Metal and Diamond Mining Effluent Regulations (MDMER). Radium-226 is a naturally occurring element in deep bedrock groundwater.

Groundwater samples were collected from Ports 3 and 4 at the end of purging and submitted for laboratory analysis. To protect against data loss from key wells in event of bottle breakage or loss during shipping to the lab, a triplicate sample set was held on site for Ports 3 and 4 and discarded once the samples submitted to the analytical laboratory were received.

As part of the quality assurance / quality control (QA/QC) protocol, a field blank and trip blank were also collected for analysis of the full suite of parameters. The laboratory chemical and physical analyses were performed by Bureau Veritas Laboratories (BV) located in Mississauga, Ontario and/or at the other various BV locations. Certificates of analysis from BV are included in Attachment C.

3.3 Evaluation of Formation Water Quality

The accuracy of the calculation of Formation water quality and salinity is contingent on the quantity of residual drilling fluid present in the sampling interval, identified by fluorescein content (the lowest fluorescein content in the sample). Drilling fluids must be removed as much as possible by purging, and the lower the drill fluid content the more reliable the calculation of Formation water quality. The amount of drilling fluid present in the Formation is estimated from the difference between the concentration of fluorescein in the raw water sample from the port interval, and the fluorescein content of the drilling fluid used. The original amount of fluorescein added to drill water varied, and an average of the remaining fluorescein at the port depth prior to development was used as indicative of the 'initial' fluorescein content for that port interval. In 2016, the sampling intervals were purged to remove as much of the drilling fluid as possible within the task schedule, prior to collecting a sample for chemical analysis. Purging continues to be required each year to further decrease the content of residual drilling fluid.

The fluorescein and electrical conductivity of groundwater were monitored in the field during sampling and were compared to data from the end of purging activities in past years to assess whether there is reasonable confidence in the accuracy of the groundwater salinity evaluated from the collected sample. The following summarizes the calculations made to estimate true Formation water quality and TDS from field measurements of electrical conductivity and laboratory analytical results of raw groundwater samples in 2025 and drilling water fluid in 2016.

- 1) **Estimation of the chemistry of the drilling fluid introduced in the Formation during the 2016 well borehole drilling and installation activities.** The drilling fluid consisted of very low TDS lake water to which was added a concentrated brine. The range of composition of the drill fluid (the dilute brine) was estimated by comparing the initial and maximum conductivity values measured in samples from the Formation (for each Port 6, 4, 3 and 2 the electrical conductivity of water varied between sampling ports) against the conductivity of the concentrated brine¹. This Dilute Brine Factor was used to calculate composition of the drilling fluid introduced into the sampling interval during the 2016 drilling and well installation activities as per equation (1) below.

$$(1) \text{ Dilute Brine Factor}_{Port i} = \frac{\text{Field Conductivity}_{Port i}}{\text{Brine Conductivity}_{calculated}}$$

This calculation assumes an insignificant proportion of Formation water is present immediately after drilling, which is a fair assumption given that a high volume of drilling fluid was lost to the Formation (Golder, 2016a).

¹ Brine conductivity was estimated from the calculated TDS of the drilling brine fluid using a conversion factor of 0.75 which is appropriate for brine solutions (Rusydi, 2017). Brine TDS was calculated to be 130,500 mg/L based on constituent concentrations (refer to Table D-1). Laboratory-reported TDS (36,946 mg/L) and conductivity (55.42 mS/cm) were not reliable as they exceeded instrument calibration.

- 2) The drilling brine composition for each parameter was calculated from the product of the dilution brine factors and the chemistry of the drilling brine fluid for each port per equation (2).

$$(2) \text{ Dilute Brine}_{\text{port } i} = \text{Laboratory Result}_{\text{brine}} \times \text{Dilution Brine Factor}_{\text{port } i}$$

- 3) **Calculation of the proportion of drill brine remaining in the Formation upon sampling.** This was calculated based on the amount of residual fluorescein measured upon sample collection at each port in 2025 compared to the initial fluorescein content of the drilling fluid measured in 2016 (i.e., 512.7 ppb).
- 4) **Removal of the drilling fluid chemistry from the raw groundwater sample analysis.** The concentration of constituents from the drilling fluid are removed from the reported analytical results for each chemical constituent per the below equation (3).

$$(3) \text{ Groundwater Quality}_{\text{corrected}} = \frac{\text{Laboratory Result} - \text{Proportion of Drill Brine} \times \text{Dilute Brine Chemistry}}{\text{Proportion of Formation Water}}$$

The estimated chemistry of the drilling brine, proportion of residual drilling brine and Formation water for each sampling port are summarized in Table D-1 of Attachment D. The calculated Formation water quality for Ports 3 and 4 are summarized in Table D-2 (Attachment D). The original drill brine fluid was not analyzed for the complete suite of parameters listed in Schedule I Table 2 of the Water Licence such as ammonia, cyanide species (total, free and WAD), DOC, TKN, orthophosphate, total phosphorus, reactive silica, TOC and turbidity. The calculated Formation water quality assumed concentrations of these parameters to be negligible (zero).

4.0 RESULTS AND DISCUSSION

4.1 Hydraulic Head Profile and Groundwater Flow Direction Below Whale Tail Lake

The Whale Tail Pit is located within the North Basin of Whale Tail Lake. The talik near the pit is believed to be closed at depth but to transition to an open talik towards the South Basin because of the increased width and depth of the lake towards the south. The initial pre-mining water table below both basins is equivalent to the lake surface elevation. Dewatering of the lake in the North Basin, along with dewatering of the Whale Tail pit, has locally lowered the water table near the pit relative to pre-mining conditions.

Permafrost underlies the land surrounding the lake, which restricts the lateral flow of groundwater to the talik and restricts the recharge of the sub-permafrost groundwater flow system by precipitation. Regionally groundwater flow is controlled by surface water elevations in lakes with open talik; water moves vertically through the open talik to the underlying sub-permafrost groundwater flow system. Conceptually, lakes with open taliks in continuous permafrost regions are equivalent to large monitoring wells.

AMQ16-626 was installed to evaluate groundwater quality and the hydraulic gradient in the unfrozen bedrock as part of baseline characterization. The hydraulic gradient, in combination with the bedrock hydraulic conductivity, can be used to estimate the potential groundwater flux to or from Whale Tail Lake, and the flooded Whale Tail Pit post-closure.

Table 2 summarizes the calculated freshwater hydraulic heads based on the measured pressure in each sampling port in 2025 prior to sampling along with historical measurements. Although Port 6 (shallowest interval) is included in Table 2, it is interpreted that this port is within or near the cryopeg. The deeper ports (Ports 1 to 5) are in unfrozen rock and were used to assess the vertical hydraulic gradient over time.

Table 2: AMQ16-626 Estimated Freshwater Hydraulic Heads and Vertical Hydraulic Gradients

Port	Port Position (masl)	Calculated Freshwater Hydraulic Heads at Port (masl)							
		Pre-Development		Operations					
		9-Nov-18	16-Mar-19	9-Oct-20	2-Nov-21	8-Sep-22	9-Sep-23	11-Sep-24	30-Sep-25
6	-103.4	154.0	153.1	148.3	147.6	145.8	142.1	142.5	133.0
5	-124.8	--	--	149.0	148.2	147.7	147.5	--	148.1
4	-171.8	153.6	153.1	150.5	150.1	149.6	149.3	150.1	149.7
3	-201.7	153.4	153.7	150.5	150.0	149.6	149.3	150.1	149.7
2	-257.2	152.9	152.5	150.4	149.8	149.4	148.8	149.6	149.1
1	-301.4	152.5	152.3	150.4	150.0	149.3	148.7	149.5	148.9
Vertical Gradient Between Port 1 and Port 4 (m/m)*		0.008	0.006	0.001	0.001	0.002	0.006	0.006	0.008

Notes:

mbgs = metres below ground surface (vertical down from surface); masl = metres above sea level (elevation); -- = not measured.

* downward gradient is present between Port 1 and Port 4, and in 2025 it was of 0.008 m/m.

With mining of the Whale Tail Pit, there has been a general decrease in hydraulic heads relative to pre-development conditions. The largest decrease occurred in the early years of operations and since then, the hydraulic heads have been relatively similar year after year, with the exception of Port 6. At Port 6 a sharp decline in 2025 was observed, the source of which is unknown. This reading could erroneous, reflect a poor seating of the instrument on the port during the measurement, or reflect that the interval is recovering slowly from past purging due to the port being located in cryopeg. The lower hydraulic heads at Ports 1 to 5 are attributed to the dewatering of the North Basin and the ongoing excavation of the open pit.

In the pre-development years (2018 and 2019) there was a downward hydraulic gradient observed between Ports 4 and 1, which was calculated to be 0.008 m/m in 2018 and 0.006 m/m in 2019. The hydraulic gradients are calculated using the freshwater hydraulic heads and the distance between the sampling interval midpoints. Overall TDS is low and correction of this gradient for buoyancy effects would be within 0.001 to 0.002 m/m and would not alter the interpreted groundwater flow direction.

After dewatering of the North Basin of Whale Tail Lake and excavation of the open pit, the gradient is no longer consistently downward. An upward gradient is present at shallow depths (between Port 4 and 5) and a downward gradient is present at depth (between Port 1 and 4). The downward hydraulic gradient observed between Ports 4 and 1 in 2025 was 0.008 m/m (Table 2).

4.2 Groundwater Quality

Table 3 and Table 4 presents information on each of the Ports that were monitored and sampled in 2025. The field measured electrical conductivity and fluorescein concentrations in water collected from Ports 1, 2, 3, 4 and 6 since sampling began in 2016, are illustrated in Figure 2. The sequence of measurements collected during the 2025 field program is shown on Figure 3. Field measurements of electrical conductivity, salinity, pH, fluorescein and TDS concentrations recorded at the time of sampling are summarized in Table 4. The values are averages from the subsamples collected from multiple ‘runs’ to obtain the required volume of water for analysis.

Table 3: Annual Purging and Field Monitoring Data at AMQ16-626 2016 to 2025

Port	6			4			3			2			1		
Sample Port Interval (mbgs)	257.7 to 268.3			326.1 to 335.2			356.0 to 366.6			411.5 to 422.2			455.7 to 465.9		
Final Field Parameters / Year	F	EC	Vol.	F	EC	Vol.	F	EC	Vol.	F	EC	Vol.	F	EC	Vol.
2016	48 [9%]	4.6	282	93 [18%]	4.9	1,855	114 [22%]	7.5	177.0	120 [23%]	23	423	550 [107%]	4.8	50.0
2018	87 [17%]	9.0	8.2	73 [14%]	14.8	13.2	97 [19%]	7.6	12.5	78 [15%]	17.7	6.3	248 [48%]	9.4	0.2
2019	63 [12%]	9.6	9.0	120 [22%]	22.1	41.0	44 [9%]	5.3	76.0	202 [39%]	32.5	8.0	137 [27%]	10.7	2.0
2020	33 [6%]	6.6	15.0	34 [7%]	4.8	48.0	41 [8%]	3.4	46.0	81 [16%]	17.7	15.0	146 [29%]	3.2	17.0
2021	109 [21%]	3.6	12.0	17 [3%]	2.4	22.0	29 [6%]	4.4	20.0	92 [18%]	15	22.7	155 [30%]	4.1	1.0
2022	84 [16%]	4.2	2.0	30 [6%]	2.6	71.3	15 [3%]	2.9	65.5	32 [6%]	5.4	2.0	93 [18%]	3.7	2.0
2023	-	-	0	20 [4%]	2.5	77.0	7 [1%]	2.5	66.0	-	-	0	-	-	0
2024	45 [8%]	6.7	1.0	20 [4%]	2.4	76.0	2 [0.4%]	2.6	70.0	36 [7%]	7.7	7.2	11 [21%]	3.1	1.0
2025	40 [7%]	4.2	1.0	11.8 [2.1%]	2.4	72.0	0.06 [0.01%]	2.7	72.0	12 [2%]	4.7	1.0	4.4 [0.8%]	2.8	9.0
Cumulative Volume Removed (L)	330.2			2,275.5			605.0			485.2			82.2		

Notes:
 mbgs = metres below ground surface, relative to ground surface; F = fluorescein content (ppb); [%] = estimated percent drill fluid remaining; EC = electrical conductivity (mS/cm); Vol. = volume of water removed from Port in a given year measured in Litres (L)
 2016 Sampling Targets – 10% drill fluid remaining was not achieved during the allocated development period. Sample collected upon stabilization of field parameters (EC and F)
 2018 Sampling Targets – document groundwater chemistry to compare against future monitoring years, with the understanding that it might still contain drilling fluids
 2019 Sampling Targets – Port 3 (50 ppb, 10% target of initial F measured in 2016), Port 4 (coupled decreasing trends of F and EC as time permits) and Ports 2 and 6 (document groundwater quality information).
 2020 and 2021 Sampling Targets – Ports 3 and 4 (50 ppb, 10% initial F measurement in 2016) and Ports 1, 2 and 6 (document groundwater quality)
 2022 through 2025 Sampling Target – Ports 3 and 4 (50 ppb and removal of at least one interval volume prior to sampling).
 (-) indicates no groundwater was retrieved from this sampling port (well) interval.

Table 4: Summary of AMQ16-626 Westbay Well 2025 Monitoring Program Data from Samples of Port 3 and Port 4 Collected for Chemical Analysis

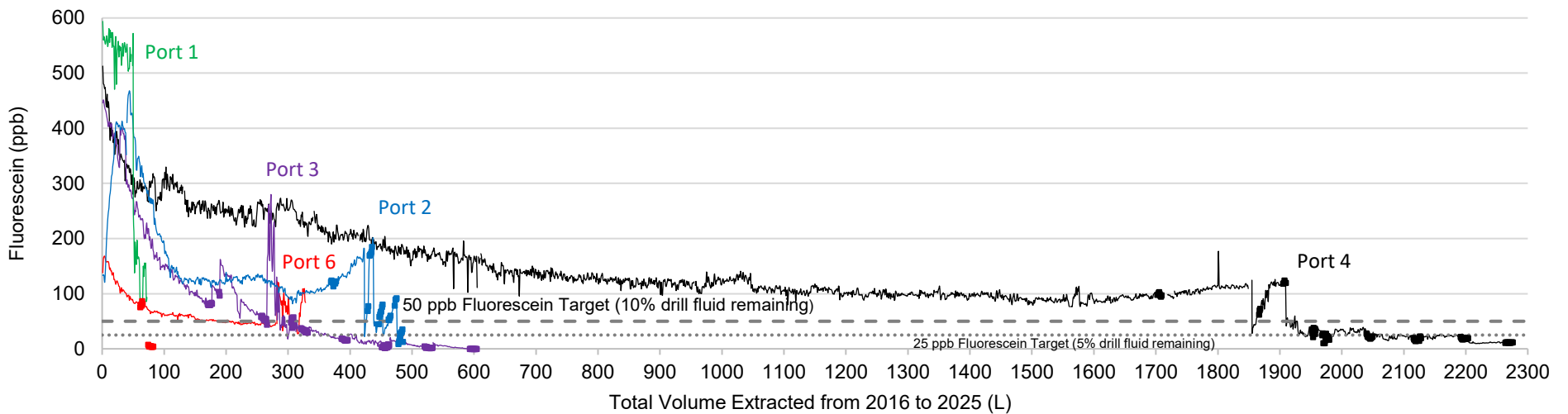
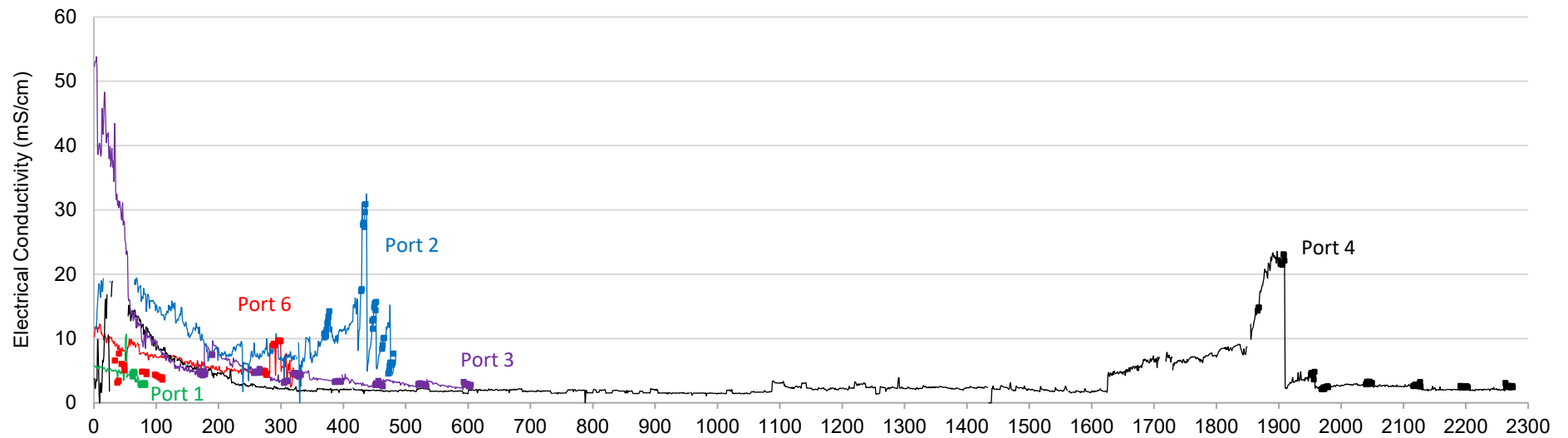
Port	Sample Date	Sample ID	Average Field Measured Parameters at Sampling Period ^(a)					Analytical Parameters ^(b)
			F	EC	TDS	Salinity	pH	
4	07-Oct-25	Port 4-A, Port 4-B, Port 4-C	11.8 ± 0.3	2.56	2,175	1.8	8.0	Schedule I Table 2
3	12-Oct-25	Port 3-A, Port 3-B, Port 3-C	0.2 ± 0.1	2.82	2,373	2.0	8.7	Schedule I Table 2

Notes:

F = fluorescein content (ppb) ± standard deviation; EC = electrical conductivity (mS/cm); TDS = total dissolved solids (mg/L); salinity units (ppt); +/- = standard deviation

(a) Average field measurement for all runs for the sample collected (i.e., between 3 and 10 runs per sample ID).

(b) Ports 3 and 4 sampled and analysed for parameters listed in Section 4.2 of the GWMP and in Schedule I Table 2 of the Water Licence.



Notes:
 1. Marker denotes sample collected and submitted for laboratory analysis (approximate 1 Litre volume).

2.

Port	Cumulative Volume Removed, 2016 to 2025 (Litres)	Volume Removed in 2025 (Litres)
6	330.2	1
4	2275.5	72
3	605.0	72
2	485.2	1
1	82.2	9



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PROJECT

2025 WESTBAY WELL SYSTEM MONITORING PROGRAM
 WHALE TAIL MINE, NUNAVUT

TITLE

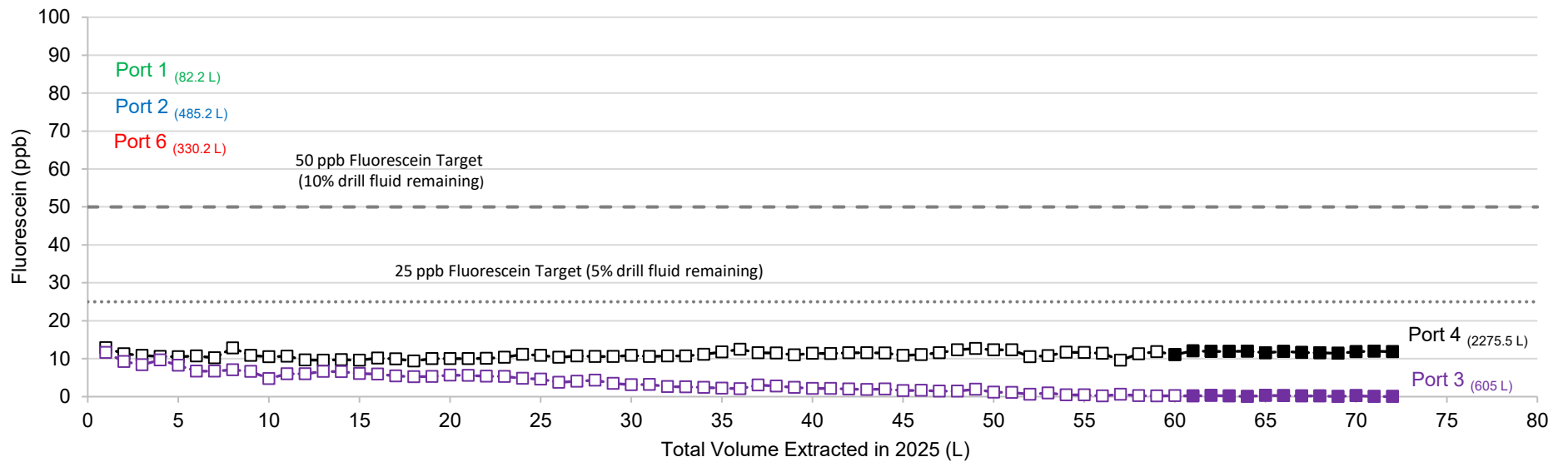
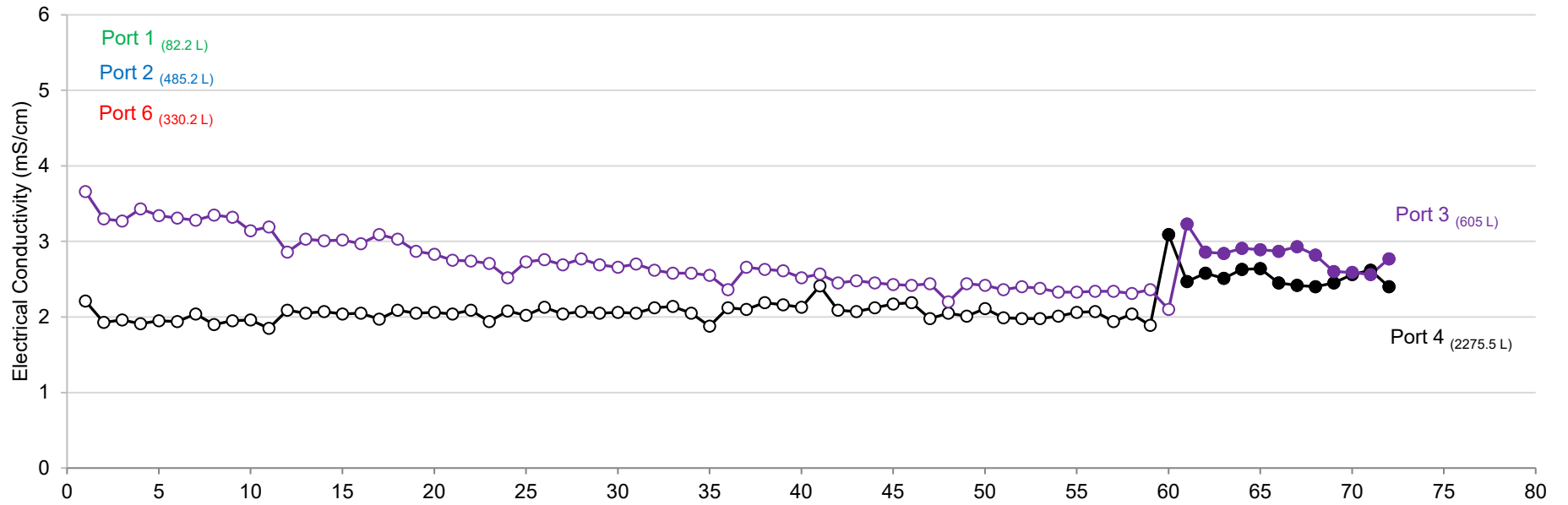
2016 to 2025 AMQ16-626 DEVELOPMENT RECORD

PROJECT No. CA0054001.6953

DOC. 024

Rev. 0

FIGURE 2



Notes:

1. Conductivity ———
2. Fluorescein - - - - -
3. Open symbol denotes 1 Litre removed during Port purging.
4. Closed symbol denotes sample collected, where 'sample' represents 1 Litre volume extracted from Port for analysis of select parameter suite.
5. (1234) denotes total volume extracted from 2016 to 2025 in Litres (L).

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PROJECT

2025 WESTBAY SYSTEM MONITORING PROGRAM
WHALE TAIL MINE, NUNAVUT

TITLE

2025 AMQ16-626 DEVELOPMENT RECORD

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FIGURE
3

Stiff diagrams for the 2025 calculated (drill fluid removed) Formation water quality is presented in Figure 4, along with the 2016 brine fluid chemistry. Stiff diagrams are used to illustrate the major ion composition of a water sample to rapidly compare 'signatures' from different sources, such as natural groundwater compared to brine fluid water chemistry. Figure 4 also includes stiff diagrams of the laboratory result for raw water samples from Ports 3 and 4 (uncorrected for the contribution of drill brine) for comparison. The stiff diagrams illustrate how the major ion composition of the sample collected from Ports 3 and 4 is dominated by the chloride anion; the dominant cation at Port 4 and Port 3 is calcium. As shown in Figure 4, the Port 4 and Port 3 stiff diagrams are similar for the corrected and uncorrected for drill brine fluid, although the calcium and chloride values are less pronounced as expected with the lower influence of the drill fluid. Groundwater quality at depth in the Canadian Shield, away from the influence of sea water, such as at Meadowbank and Whale Tail, are expected to be dominated by calcium and chloride (Gascoyne, 2000; Frape and Fritz, 1987). In general, the 2025 stiff diagrams are similar to previous years, though there is a decrease in calcium and chloride peaks since initial sampling, likely related to continued purging/natural flushing.

Calculated Formation water quality for Ports 3 and 4 are shown in Table D-2 of Attachment D and include the calculated range of constituent concentrations of Formation water at each Port sampled in 2016, 2018, 2019 (Ports 3 and 6 only), 2020, 2021, 2022, 2023 (Ports 3 and 4 only), 2024 (Ports 3 and 4 only) and 2025 (Ports 3 and 4 only). The 2025 laboratory results of raw groundwater samples (uncorrected for drill fluid content) are included in Table D-3 and the analytical reports are included in Attachment C.

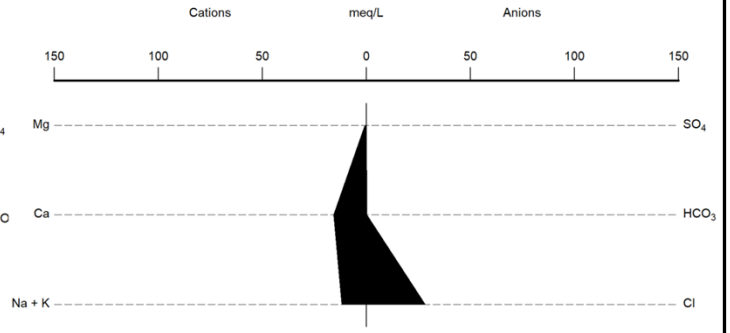
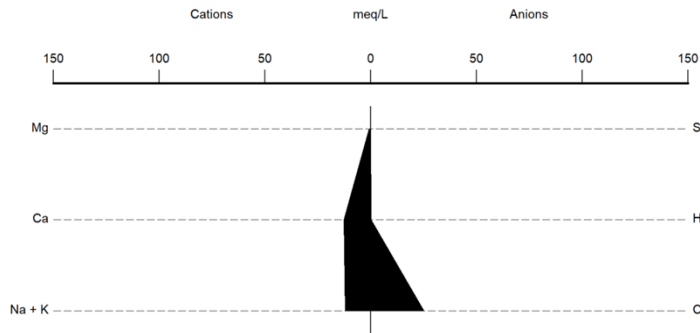
The 2025 field program did not include purging and sampling of Ports 1, 2 and 6, however field parameters were recorded to monitor the evolution of groundwater quality with natural flushing near these sampling intervals. Natural flushing over time is expected to displace drilling fluids and return the interval area to pre-drilling groundwater quality. Ports 1 and 2 may be sampled in the future if natural flushing indicates the drilling fluid has been sufficiently displaced by natural groundwater flow.

Corrected Water Quality (drilling fluid removed)

Raw Water Quality (uncorrected laboratory result)

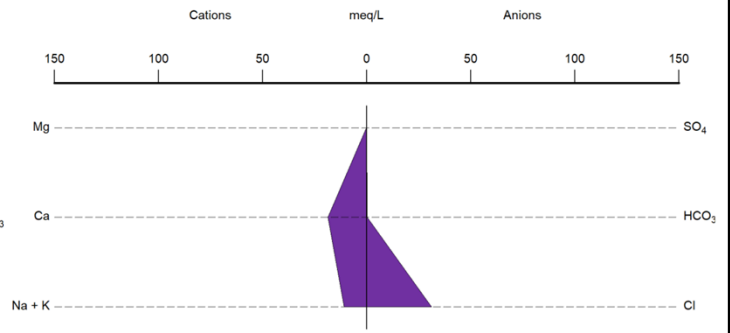
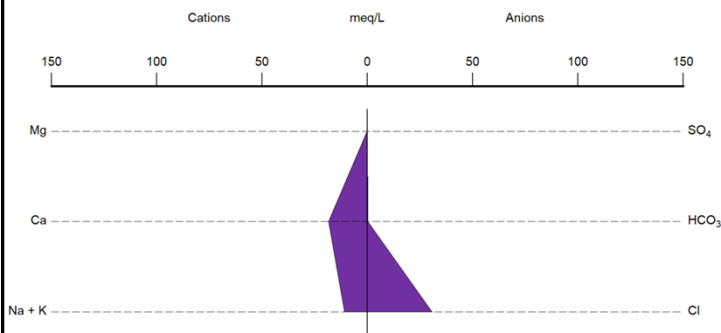
PORT 4 – 331 m

PORT 4 – 331 m

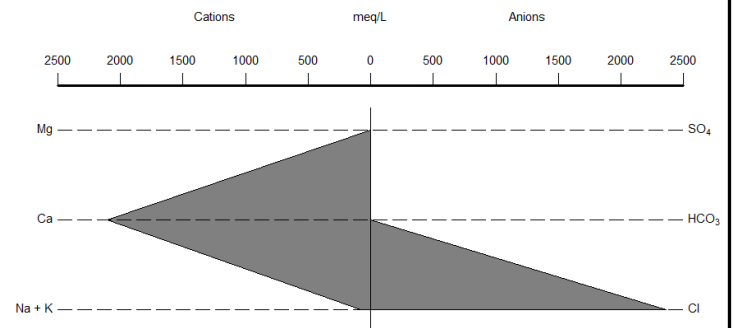


PORT 3 – 361 m

PORT 3 – 361 m



DRILLING FLUID



NOTE(S)

- ¹ Stiff diagrams illustrate calculated 2025 water quality (drill fluid removed) for Ports 3 and 4 (left column) and uncorrected water quality (no drill fluid removed) for Ports 3 and 4 (right column) and the 2016 drill fluid.
- ² Average (Minimum and Maximum) result shown for Ports 3 and 4.
- ³ Average depth in metres (m) shown for Ports 3 and 4.
- ⁴ Drill fluid sample collected April 17, 2016.
- ⁵ Ports 3 and 4 presented on a scale of 0 to 150 meq/L and drill fluid 0 to 2500 meq/L.

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MEADOWBANK DIVISION



PROJECT

2025 WESTBAY SYSTEM MONITORING PROGRAM
WHALE TAIL MINE, NUNAVUT

CONSULTANT



YYYY-MM-DD 2025-12-05

PREPARED DH

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TITLE

2025 WESTBAY SYSTEM AMQ16-626 AND 2016 DRILL FLUID
STIFF PLOTS

PROJECT NO. CA0054001.6953

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FIGURE 4

Further information on water quality at Ports 3 and 4 based on the 2025 monitoring program are discussed in detail below.

Port 4

The 2025 field-measured groundwater fluorescein content at Port 4 at the end of sampling was lower than values recorded at the end of the previous groundwater monitoring programs. The electrical conductivity at Port 4 at the end of sampling is relatively consistent to the previous groundwater monitoring programs. An increasing trend was observed in 2018 and 2019, followed by a sharp decline in 2020, where conductivity and fluorescein trended toward stabilization and remained relatively consistent from 2021 and 2025 (refer to Figure 3). In general, the lower proportion of drilling fluid in the Formation and in the samples collected results in an increase reliability of calculated Formation water quality (drill fluid removed) for recent years.

The estimated 2025 water quality results are within the same magnitude of those reported in 2016, albeit slightly lower with the exception of chloride, calcium, reactive silica and Radium-226. The concentration of cyanide, trace metals and arsenic in groundwater is low. Concentrations of cyanide (WAD) and free cyanide were not detected in the Port 4 sample. The 2025 calculated Radium-226 concentration is estimated to be 0.12 Bq/L, which, for comparative purposes, is below the MDMER limit of 0.37 Bq/L and slightly lower than the 2016 concentration value (of 0.13 Bq/L).

Port 4 2025 data is considered to be reliable in representing Formation water quality. The port had corrected TDS range of 1,573 and 1,878 mg/L and an average residual fluorescein content of 11.8 ppb.

Port 3

Concentrations of fluorescein have been decreasing since 2016, with the average field-measured groundwater fluorescein content at the time of the 2025 sampling reduced to 0.01% (from 22% in 2016, Golder 2016a). A similar trend, but less pronounced trend, is observed in electrical conductivity. This suggests that only a small amount of residual drilling water is present in the Formation water near this zone.

The 2025 Formation water quality data are within the same order of magnitude to those reported in 2016, albeit slightly lower except for a few parameters (arsenic and zinc). The concentration of cyanide, trace metals and arsenic in groundwater is low. Concentrations of cyanide (WAD) and free cyanide were not detected in the Port 3 sample. For comparative purposes only, the calculated Radium-226 concentration is estimated to be 0.14 Bq/L and below the MDMER limit of 0.37 Bq/L and slightly lower than the 2016 concentration value (between 0.15 and 0.16 Bq/L).

Port 3 2025 data is considered to be reliable in representing Formation water quality. The port had a corrected TDS range of 2,137 and 2,177 mg/L and an average residual fluorescein content of 0.2 ppb.

Ports 1 and 2

The fluorescein concentrations in Ports 1 and 2 appear to have declined over time, with the observed fluorescein concentrations now similar to those observed in Ports 3 and 4.

Summary

Based on the 2025 groundwater monitoring program, the 2025 formation water quality calculated from Ports 3 and 4 are considered to be reliable for the purpose of evaluating salinity and general trends in chemical contents and can be used to assess Formation water quality at these depths. The precision of the estimated Formation

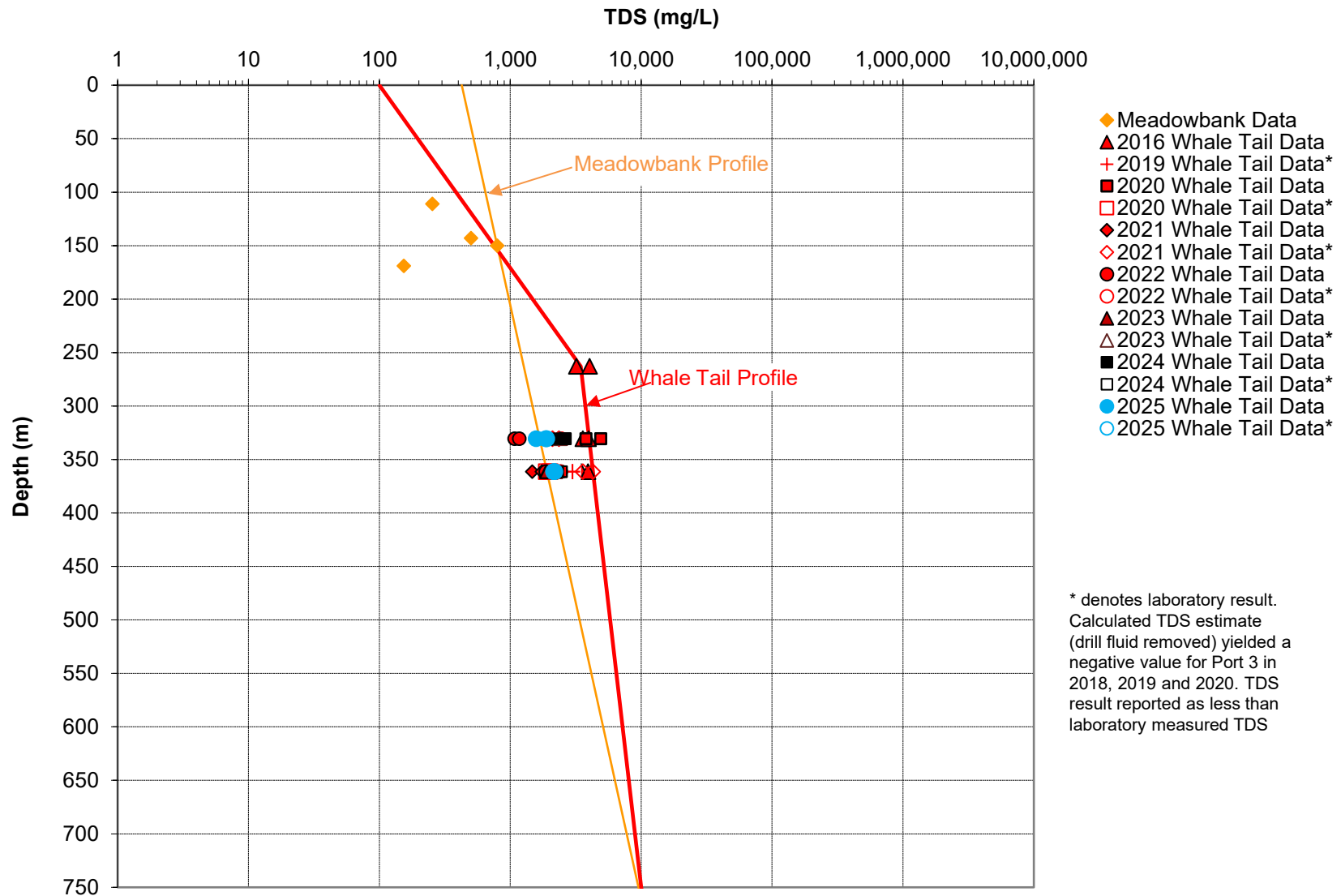
water quality remains affected by the presence of residual brine in the intervals sampled, although this effect has decreased significantly with purging and sampling activities at Ports 3 and 4. Fluorescein content indicates that the estimated percent of drill fluid remaining is less than 3% for both Port 3 and Port 4.

Based on 2025 data from Ports 3 and 4, the calculated TDS content of Formation water is estimated to range between 1,573 and 2,177 mg/L. The TDS profile that was adopted in the FEIS for the Approved Project is presented in Figure 5, along with the supplemental reliable TDS collected since its submission.

As illustrated on Figure 5, the TDS in samples from Ports 3 and 4 is similar to measurements in recent years and slightly less saline than historical sampling results in 2016, which may reflect the lower residual drilling fluid content in the recent collected samples relative to 2016 and therefore inferred higher accuracy is the calculated Formation water quality. Overall, although slightly less saline than the Whale Tail TDS profile adopted for the FEIS, the results do not deviate significantly from FEIS assumptions.

Arsenic, which is a constituent of interest in the ore and waste rock to be mined, occurs in groundwater at concentrations that are low and consistent with previous reliable data collected from the well. Radium-226 in groundwater measured in 2025 at Ports 3 and 4 were below the Federal MDMER Effluent criteria.

The fluorescein concentrations in Ports 1 and 2 appear to have declined over time, with the observed fluorescein concentrations now similar to those observed in Ports 3 and 4.



Notes:

1. Closed symbol represents calculated Formation water (drill fluid removed). Open symbol represents laboratory measured result (uncorrected for drill fluid). Removal of drill fluid proportion yielded negative or low TDS estimate.
2. Whale Tail Data from Golder (2016, 2019d, 2021b).
3. Meadowbank Data from Golder (2004).
4. TDS result plotted as midpoint of sample interval depth where applicable: Port 6 (263 m), Port 4 (331 m) and Port 3 (361 m).

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MEADOWBANK DIVISION

CONSULTANT



YYYY-MM-DD 2025-12-03

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REVIEW DH

APPROVED JL

PROJECT

2025 WESTBAY SYSTEM MONITORING PROGRAM
WHALE TAIL MINE, NUNAVUT

TITLE

TDS PROFILE

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FIGURE
5

5.0 QUALITY ASSURANCE/QUALITY CONTROL

Duplicate samples collected from Ports 3 and 4 were submitted to the analytical laboratory as part of the QA/QC protocol. A trip blank and field blank were also submitted for analysis of the full parameter suite, with the exception of unionized ammonia (NH₃ - calculated value based on temperature and pH of sample). The analytical laboratory performs equipment blanks as a method of internal QA/QC verification.

Analytical repeatability was tested by assessing the similarity between duplicate pairs of results. For each duplicate pairs of analysis where both results were higher than 5 times the method detection limit (MDL), the relative percent difference (RPD) was calculated as follows:

$$\text{RPD} = \frac{\text{absolute [difference (concentration of a given parameter)]}}{\text{[average (concentration of a given parameter)]}} \times 100$$

Per USEPA recommended methods (USEPA, 1994), an RPD of 20% or less is considered acceptable. Where one or both results of the duplicate pair are less than 5 times the MDL, a margin of +/- MDL is considered acceptable.

Table D-4 of Attachment D presents the RPD or +/- MDL value calculated from the duplicate pair of results. Approximately 40% of duplicate pairs of analyses have one or both results below the method detection limit and consequently cannot be assessed for repeatability. QA/QC results for the duplicate samples are within acceptable tolerance limits (RPD or +/- MDL) except for duplicate concentrations of turbidity, Radium-226 and select total metal constituents (aluminum, barium, boron, calcium, chromium, cobalt, copper, lithium, molybdenum, potassium, silicon, sodium and strontium) in Port 3 (sample IDs: Port 3-A and Port 3-B) and total chromium in Port 4 (sample IDs: Port 4-A and Port 4-B). The reason for the deviations in concentrations of these parameters is unknown but may be attributed to the presence of trace sediments in the sample for total constituents. The concentrations of dissolved constituents are generally similar to or lower than their total counterparts, and only the dissolved mercury was field filtered.

The trip blank (sample ID: Port 4-A-TB) returned concentrations that are low or below the laboratory detection limits for each parameter analyzed with the exception of bicarbonate alkalinity - calcium as CaCO₃ (2.0 mg/L), alkalinity - total as CaCO₃ (2.0 mg/L), dissolved barium (0.000082 mg/L), dissolved calcium (0.096 mg/L), dissolved strontium (0.000087 ug/L), total aluminum (0.00466 mg/L), total barium (0.000119 mg/L), total calcium (0.000124 mg/L), total copper (0.00081 mg/L), total iron (0.0118 mg/L), total lead (0.0000094 mg/L), total manganese (0.000081 mg/L), total nickel (0.000026 mg/L), total strontium (0.00024 mg/L), total zinc (0.00021 mg/L), which were 2 to 6 times the laboratory method detection limit, with the exception of total aluminum which was 9 times the laboratory method detection limit. These detected concentrations are overall low in comparison to the reported groundwater concentrations and would not alter the conclusions of this assessment. In the field blank samples (sample ID: Port 3-FB), reactive silica, dissolved calcium, dissolved zinc, total barium, and total zinc were detected at concentrations that are one order of magnitude higher than the laboratory detection limit (reactive silica – 0.11 mg/L, dissolved calcium – 0.08 mg/L, dissolved zinc – 0.0001 mg/L, total barium – 0.000034 mg/L, and total zinc – 0.00011 mg/L). This suggests possible contamination of the sample from airborne dust in the Westbay shack, the deionized water used in the collection of the field blank supplied by BV, or from the filtering or preservative addition completed by BV. The 2025 results are still within the historical range and are considered valid.

Uncertainty in the calculated Formation water quality stems from 1) variability in drill water composition at the time of drilling and 2) possible mixing between aquifer zones having different levels of development (purging of drill water). These have an influence on the accuracy of the calculated Formation water quality, the effect of which is decreased with lower drilling brine proportion. The 2025 data remain adequate to estimate water quality at Ports 3 and 4.

6.0 CONCLUSION

The AMQ16-626 monitoring program was carried out in 2025 to support of the Whale Tail Mine Certificate No. 008, Water Licence no. 2AM-WTP1830 and in accordance with Section 3.1 of the Whale Tail Pit Project Groundwater Monitoring Plan Version 3_NWB dated May 2019. The hydraulic head and groundwater quality data were used to monitor Formation water quality and the hydraulic gradient near the mine development areas throughout the stages of mining.

Hydraulic heads measured at the well ports continue to decrease slightly from the pre-development phase. The continued decrease in most ports is attributed to the dewatering of the North Basin and Whale Tail Pit. Similar to 2024, an upward gradient is present at shallow depths (between Port 4 and 5) and a downward to near neutral gradient is present at depth (between Port 1 and 4) since dewatering of the Whale Tail pit and north basin of Whale Tail Lake commenced. Port 6 was not considered in the gradient calculation as the Port is located in cryopeg and the pressure measurement at this port is suspected to be erroneous or unrepresentative of the nearby unfrozen groundwater flow system.

Formation water quality was estimated from the samples collected in 2025 by removing the effect of residual drilling water still present in the raw water sample collected. The 2025 program estimated that Formation water quality at Ports 3 and 4 are in the same range, but less saline than the TDS estimated in 2016. The data collected from Ports 3 and 4 in 2025 are considered reliable and the assumptions for the conceptual model related to flow direction and TDS water quality, which were developed based on 2016 pre-mining data, are still considered to be appropriate. Changes to the water quality model or the water management plan are not considered necessary based on the data presented in this report. The slightly lower TDS in Ports 3 and 4 since 2016 likely reflects improved reliability in the sample results are due to reduced drill fluid content. Overall, the results do not deviate significantly from the FEIS assumptions.

The concentrations of metals and arsenic in groundwater at Ports 3 and 4 continue to be low. Given that the arsenic concentrations remain similar to the assumptions adopted in the geochemical models (low arsenic in Formation water), the contention is still valid that the natural content of arsenic in groundwater is not likely to have a significant effect on mine surface water quality nor the pit lake water quality.

7.0 STUDY LIMITATIONS

WSP Canada Inc. ("WSP") prepared this report solely for the use of the intended recipient, Agnico Eagle Mines Limited, in accordance with the professional services agreement between the parties. In the event a contract has not been executed, the parties agree that the WSP General Terms for Consultant shall govern their business relationship which was provided to you prior to the preparation of this report.

The report is intended to be used in its entirety. No excerpts may be taken to be representative of the findings in the assessment.

The conclusions presented in this report are based on work performed by trained, professional and technical staff, in accordance with their reasonable interpretation of current and accepted engineering and scientific practices at the time the work was performed.

The content and opinions contained in the present report are based on the observations and/or information available to WSP at the time of preparation, using investigation techniques and engineering analysis methods consistent with those ordinarily exercised by WSP and other engineering/scientific practitioners working under similar conditions, and subject to the same time, financial and physical constraints applicable to this project.

WSP disclaims any obligation to update this report if, after the date of this report, any conditions appear to differ significantly from those presented in this report; however, WSP reserves the right to amend or supplement this report based on additional information, documentation or evidence.

WSP makes no other representations whatsoever concerning the legal significance of its findings.

The intended recipient is solely responsible for the disclosure of any information contained in this report. If a third party makes use of, relies on, or makes decisions in accordance with this report, said third party is solely responsible for such use, reliance or decisions. WSP does not accept responsibility for damages, if any, suffered by any third party as a result of decisions made or actions taken by said third party based on this report.

WSP has provided services to the intended recipient in accordance with the professional services agreement between the parties and in a manner consistent with that degree of care, skill and diligence normally provided by members of the same profession performing the same or comparable services in respect of projects of a similar nature in similar circumstances. It is understood and agreed by WSP and the recipient of this report that WSP provides no warranty, express or implied, of any kind. Without limiting the generality of the foregoing, it is agreed and understood by WSP and the recipient of this report that WSP makes no representation or warranty whatsoever as to the sufficiency of its scope of work for the purpose sought by the recipient of this report.

In preparing this report, WSP has relied in good faith on information provided by others, as noted in the report. WSP has reasonably assumed that the information provided is correct and WSP is not responsible for the accuracy or completeness of such information.

Benchmark and elevations used in this report are primarily to establish relative elevation differences between the specific testing and/or sampling locations and should not be used for other purposes, such as grading, excavating, construction, planning, development, etc.

Overall conditions can only be extrapolated to an undefined limited area around these testing and sampling locations. The conditions that WSP interprets to exist between testing and sampling points may differ from those that actually exist. The accuracy of any extrapolation and interpretation beyond the sampling locations will depend on natural conditions, the history of Site development and changes through construction and other activities. In addition, analysis has been carried out for the identified chemical and physical parameters only, and it should not be inferred that other chemical species or physical conditions are not present. WSP cannot warrant against undiscovered environmental liabilities or adverse impacts off-Site.

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such, WSP does not guarantee any modifications made to this digital file subsequent to its transmission to the intended recipient.

This limitations statement is considered an integral part of this report.

8.0 CLOSURE

We trust this technical memorandum meets your current requirements. If you have any questions regarding this technical memorandum, please contact the undersigned.

WSP Canada Inc.

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NU/DH/JL/lw

[https://wsponlinecan.sharepoint.com/sites/ca-ca0054001.6953/shared documents/06. deliverables/wt/01 wt westbay tm/rev0/ca0054001.6953-mbk2025_024-tm-rev0_2025 wt westbay tm_5mar2026.docx](https://wsponlinecan.sharepoint.com/sites/ca-ca0054001.6953/shared%20documents/06.%20deliverables/wt/01%20wt%20westbay%20tm/rev0/ca0054001.6953-mbk2025_024-tm-rev0_2025%20wt%20westbay%20tm_5mar2026.docx)

Attachments: Attachment A – AQM16-626 Westbay System Installation Details
Attachment B – Westbay Instruments Mosdax Sampler Calibration Reports
Attachment C – 2025 Laboratory Certificates of Analysis
Attachment D – Water Quality Results

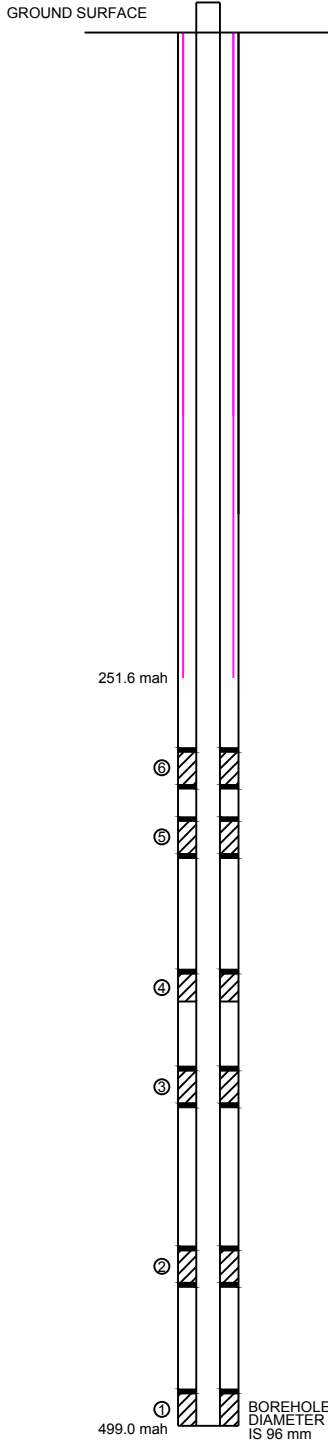
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- WSP 2025. 2024 Whale Tail Mine - Groundwater Monitoring of Westbay Well AMQ16-626. Submitted to Agnico Eagle Mines Limited. (Reference No. CA0037376.3015_MBK2024_028-TM-Rev0). Dated March 3, 2025.

ATTACHMENT A

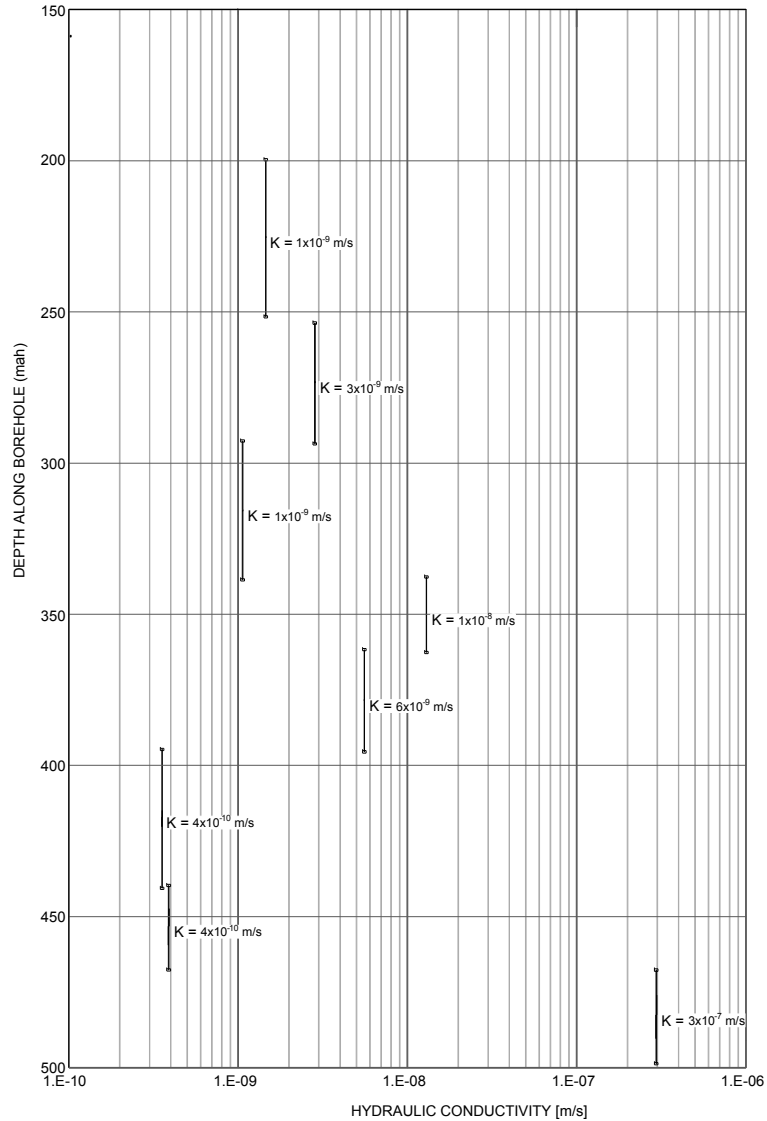
**AQM16-626 Westbay System
Installation Details**

BOREHOLE AMQ16-626



WESTBAY SYSTEM ZONE DEPTH SUMMARY						
ZONE	DEPTH ALONG HOLE			VERTICAL DEPTH		
	FROM	TO	LENGTH	FROM	TO	THICKNESS
	(mah)	(mah)	(m)	(mbgs)	(mbgs)	(m)
6	276.0	287.4	11.4	257.7	268.3	10.6
5	298.9	310.3	11.4	279	289.7	10.6
4	349.3	359.1	9.8	326.1	335.2	9.1
3	381.3	392.7	11.4	356.0	366.6	10.6
2	440.8	452.2	11.4	411.5	422.2	10.6
1	488.1	499.0	10.9	455.7	465.9	10.2

HYDRAULIC CONDUCTIVITY VERSUS DEPTH ALONG BOREHOLE



LEGEND

	PACKER	K	HYDRAULIC CONDUCTIVITY
	WESTBAY MONITORING ZONE	mah	METRES ALONG BOREHOLE, RELATIVE TO GROUND SURFACE
	STEEL CASING	mbgs	METRES BELOW GROUND SURFACE
		m/s	METRES PER SECOND

NOTES

1. ALL UNITS ARE IN METERS UNLESS OTHERWISE NOTED
2. PERMAFROST ASSUMED 200 m ALONG HOLE ALIGNMENT.
3. DRILL RODS TO 251.6 m ALONG HOLE.
4. BOREHOLE LOCATED IN UTM NAD 83 ZONE 14, N = 7255363.5 E = 607181.68 ELEVATION = 154.46 m.
5. AVERAGE BOREHOLE INCLINATION IS 69°.

**NOT TO SCALE
SCHEMATIC ONLY**

2016-07-06	ISSUED FOR FINAL	JJ	PP	DV	DC			
2016-05-27	ISSUED FOR REVIEW	JJ	PP					
REV	DATE	REVISION DESCRIPTION			DES	CADD	CHK	R/W

PROJECT **AGNICO EAGLE MINES LIMITED**
WHALE TAIL PIT PROJECT
NUNAVUT, CANADA

TITLE **AMQ16-626 WESTBAY SYSTEM
 INSTALLATION DETAILS**

	PROJECT No.	1649355.4000.3000	FILE No.	1649355-4000-3000-03	
	DESIGN	JJ	2016-07-06	SCALE	NOT TO SCALE
	CADD	PP	2016-07-06	FIGURE	A-1
	CHECK	DV	2016-07-06		
	REVIEW	DC	2016-07-06		

\\golder\gds\gait\burnaby\CAD-GIS\client\Agnico_Eagle_Mines_Ltd\What3Tail09_PROJECTS\1649355\02_PROD\DUCTION\4000\3000\DWG\1649355-4000-3000-03.dwg | Layout: AMQ16-626 WESTBAY SYSTEM INSTALLATION DETAILS | Modified: ppapouhesh 05/26/2016 1:35 PM | Plotted: ppapouhesh 07/06/2016

ATTACHMENT B

**Westbay Instruments Mosdax
Sampler Calibration Reports**

MOSDAX Calibration Report 2: EMS - 4954 Module 1774

Full Scale: 2000 (psia)

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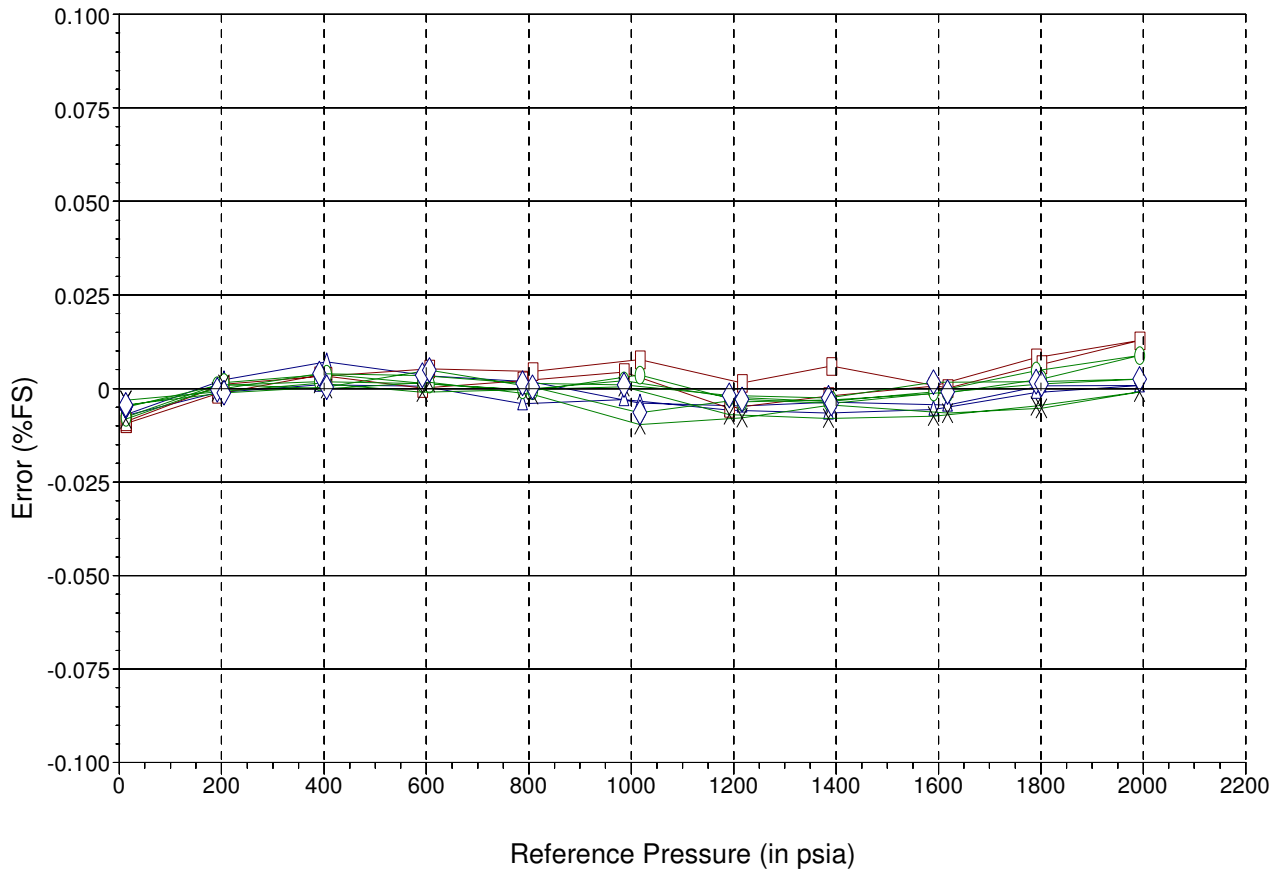
Pressure Reference: Paroscientific Model 42K-101 S/N 59937

Range: 2K PSI

Date of last reference to traceable standard: Sept 20 2023

Plot of Error vs. Reference Pressure

EMS - 4954 Module 1774



—△— 3.5° C —□— 10.5° C —○— 20.4° C —×— 30.2° C —◇— 40.1° C

Comments

Issued by

MOSDAX Calibration Report 1: EMS - 4954 Module 1774

Full Scale: 2000 (psia)

File: E:\DATA\CAL\0-2025\2K\17APR2~1\04954

Pressure Reference: Paroscientific Model 42K-101 S/N 59937

Range: 2K PSI

Date of last reference to traceable standard: Sept 20 2023

EMS - 4954 Apr 16 15:41:06 2025 Range 1 Temp 3.5° C			EMS - 4954 Apr 16 20:16:19 2025 Range 2 Temp 10.5° C			EMS - 4954 Apr 17 01:01:56 2025 Range 3 Temp 20.4° C		
Ref Pres (psia)	Error (psia)	(% FS)	Ref Pres (psia)	Error (psia)	(% FS)	Ref Pres (psia)	Error (psia)	(% FS)
14.635	-0.144	-0.007	14.650	-0.186	-0.009	14.673	-0.099	-0.005
192.402	-0.021	-0.001	194.592	-0.028	-0.001	193.372	0.016	0.001
391.553	0.019	0.001	390.347	0.071	0.004	390.102	0.036	0.002
592.610	0.013	0.001	593.598	0.002	0.000	589.459	0.026	0.001
788.170	-0.080	-0.004	787.963	0.043	0.002	789.308	-0.006	0.000
986.074	-0.059	-0.003	991.563	0.088	0.004	985.557	0.041	0.002
1191.213	-0.115	-0.006	1191.364	-0.104	-0.005	1184.716	-0.046	-0.002
1384.494	-0.130	-0.007	1384.588	-0.040	-0.002	1390.375	-0.068	-0.003
1590.008	-0.111	-0.006	1589.615	0.012	0.001	1590.159	-0.017	-0.001
1789.590	-0.021	-0.001	1789.499	0.165	0.008	1789.459	0.095	0.005
1992.255	0.016	0.001	1992.235	0.257	0.013	1992.524	0.177	0.009
1800.492	0.015	0.001	1798.008	0.130	0.007	1808.004	0.050	0.003
1617.662	-0.087	-0.004	1606.721	0.002	0.000	1604.065	-0.024	-0.001
1390.864	-0.072	-0.004	1401.183	0.120	0.006	1401.898	-0.062	-0.003
1216.370	-0.093	-0.005	1196.530	0.029	0.001	1203.766	-0.071	-0.004
1016.842	-0.077	-0.004	1006.370	0.155	0.008	1010.053	0.073	0.004
808.180	0.036	0.002	807.414	0.092	0.005	807.722	-0.011	-0.001
606.474	0.067	0.003	606.418	0.106	0.005	606.538	0.025	0.001
405.744	0.143	0.007	406.288	0.068	0.003	406.488	0.077	0.004
205.870	0.048	0.002	207.164	0.023	0.001	206.204	0.032	0.002
14.648	-0.140	-0.007	14.660	-0.176	-0.009	14.681	-0.153	-0.008
EMS - 4954 Apr 17 05:45:46 2025 Range 4 Temp 30.2° C			EMS - 4954 Apr 17 10:35:38 2025 Range 5 Temp 40.1° C					
Ref Pres (psia)	Error (psia)	(% FS)	Ref Pres (psia)	Error (psia)	(% FS)			
14.682	-0.063	-0.003	14.687	-0.093	-0.005			
194.366	-0.017	-0.001	192.244	-0.006	0.000			
390.586	0.028	0.001	390.282	0.080	0.004			
589.531	-0.020	-0.001	589.759	0.069	0.003			
788.150	-0.006	0.000	788.163	0.028	0.001			
986.562	0.009	0.000	986.487	0.019	0.001			
1190.892	-0.139	-0.007	1185.093	-0.036	-0.002			
1391.224	-0.159	-0.008	1390.821	-0.050	-0.002			
1589.714	-0.146	-0.007	1590.004	0.034	0.002			
1784.420	-0.093	-0.005	1789.490	0.036	0.002			
1992.239	-0.018	-0.001	1992.323	0.052	0.003			
1807.653	-0.105	-0.005	1818.265	0.025	0.001			
1616.384	-0.131	-0.007	1597.098	-0.019	-0.001			
1406.911	-0.087	-0.004	1393.060	-0.079	-0.004			
1203.044	-0.156	-0.008	1217.301	-0.057	-0.003			
1013.591	-0.193	-0.010	1011.360	-0.128	-0.006			
807.490	-0.032	-0.002	808.005	0.008	0.000			
606.388	0.033	0.002	606.488	0.099	0.005			
406.303	0.000	0.000	406.881	0.008	0.000			
205.899	0.022	0.001	207.177	-0.022	-0.001			
14.692	-0.163	-0.008	14.693	-0.087	-0.004			

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As Received MOSDAX Cal. Report 2: EMS - 4954 Module 1774

Full Scale: 2000 (psia)

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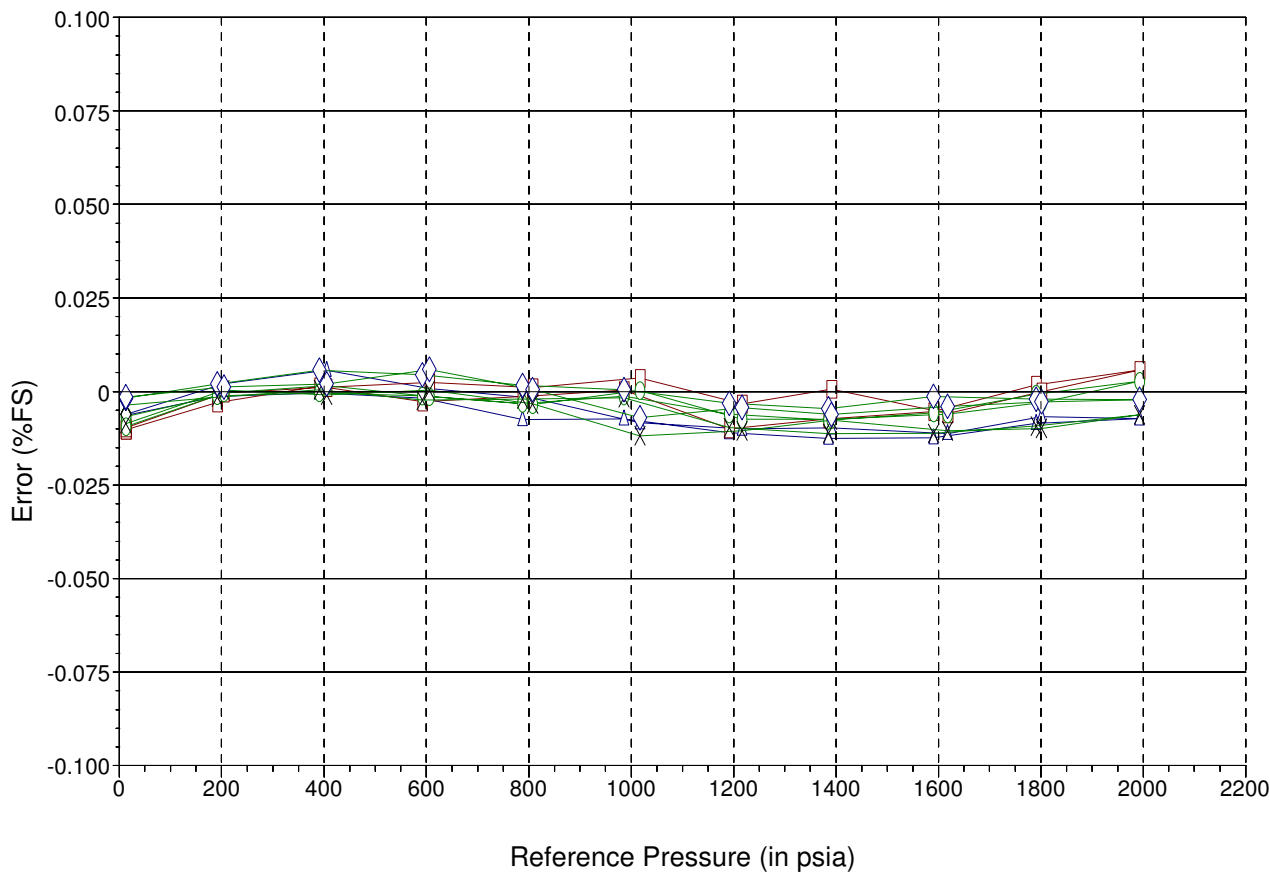
Pressure Reference: Paroscientific Model 42K-101 S/N 59937

Range: 2K PSI

Date of last reference to traceable standard: Sept 20 2023

Plot of Error vs. Reference Pressure

EMS - 4954 Module 1774



—△— 3.5° C —□— 10.5° C —○— 20.4° C —×— 30.2° C —◇— 40.1° C

Comments

Issued by

As Received MOSDAX Cal. Report 1: EMS - 4954 Module 1774

Full Scale: 2000 (psia)

File: E:\DATA\CAL\0-2025\2K\17APR2~1\04954

Pressure Reference: Paroscientific Model 42K-101 S/N 59937

Range: 2K PSI

Date of last reference to traceable standard: Sept 20 2023

EMS - 4954 Apr 16 15:41:06 2025 Range 1 Temp 3.5° C	EMS - 4954 Apr 16 20:16:19 2025 Range 2 Temp 10.5° C	EMS - 4954 Apr 17 01:01:56 2025 Range 3 Temp 20.4° C
Ref Pres (psia) Error (psia) (% FS)	Ref Pres (psia) Error (psia) (% FS)	Ref Pres (psia) Error (psia) (% FS)
14.635 -0.127 -0.006	14.650 -0.204 -0.010	14.673 -0.133 -0.007
192.402 -0.025 -0.001	194.592 -0.058 -0.003	193.372 -0.022 -0.001
391.553 -0.008 0.000	390.347 0.028 0.001	390.102 -0.008 0.000
592.610 -0.035 -0.002	593.598 -0.054 -0.003	589.459 -0.024 -0.001
788.170 -0.149 -0.007	787.963 -0.026 -0.001	789.308 -0.064 -0.003
986.074 -0.146 -0.007	991.563 0.007 0.000	985.557 -0.024 -0.001
1191.213 -0.219 -0.011	1191.364 -0.198 -0.010	1184.716 -0.120 -0.006
1384.494 -0.250 -0.012	1384.588 -0.146 -0.007	1390.375 -0.153 -0.008
1590.008 -0.246 -0.012	1589.615 -0.106 -0.005	1590.159 -0.113 -0.006
1789.590 -0.169 -0.008	1789.499 0.036 0.002	1789.459 -0.013 -0.001
1992.255 -0.145 -0.007	1992.235 0.115 0.006	1992.524 0.056 0.003
1800.492 -0.134 -0.007	1798.008 0.000 0.000	1808.004 -0.059 -0.003
1617.662 -0.224 -0.011	1606.721 -0.117 -0.006	1604.065 -0.120 -0.006
1390.864 -0.193 -0.010	1401.183 0.013 0.001	1401.898 -0.147 -0.007
1216.370 -0.200 -0.010	1196.530 -0.065 -0.003	1203.766 -0.147 -0.007
1016.842 -0.166 -0.008	1006.370 0.073 0.004	1010.053 0.006 0.000
808.180 -0.034 -0.002	807.414 0.022 0.001	807.722 -0.070 -0.003
606.474 0.017 0.001	606.418 0.048 0.002	606.538 -0.026 -0.001
405.744 0.114 0.006	406.288 0.023 0.001	406.488 0.032 0.002
205.870 0.042 0.002	207.164 -0.008 0.000	206.204 -0.007 0.000
14.648 -0.122 -0.006	14.660 -0.194 -0.010	14.681 -0.187 -0.009
EMS - 4954 Apr 17 05:45:46 2025 Range 4 Temp 30.2° C	EMS - 4954 Apr 17 10:35:38 2025 Range 5 Temp 40.1° C	
Ref Pres (psia) Error (psia) (% FS)	Ref Pres (psia) Error (psia) (% FS)	
14.682 -0.072 -0.004	14.687 -0.036 -0.002	
194.366 -0.029 -0.001	192.244 0.041 0.002	
390.586 0.010 0.001	390.282 0.113 0.006	
589.531 -0.045 -0.002	589.759 0.089 0.004	
788.150 -0.039 -0.002	788.163 0.033 0.002	
986.562 -0.033 -0.002	986.487 0.009 0.000	
1190.892 -0.192 -0.010	1185.093 -0.062 -0.003	
1391.224 -0.223 -0.011	1390.821 -0.092 -0.005	
1589.714 -0.223 -0.011	1590.004 -0.025 -0.001	
1784.420 -0.183 -0.009	1789.490 -0.040 -0.002	
1992.239 -0.123 -0.006	1992.323 -0.043 -0.002	
1807.653 -0.197 -0.010	1818.265 -0.055 -0.003	
1616.384 -0.210 -0.010	1597.098 -0.079 -0.004	
1406.911 -0.152 -0.008	1393.060 -0.122 -0.006	
1203.044 -0.209 -0.010	1217.301 -0.086 -0.004	
1013.591 -0.236 -0.012	1011.360 -0.140 -0.007	
807.490 -0.066 -0.003	808.005 0.011 0.001	
606.388 0.007 0.000	606.488 0.117 0.006	
406.303 -0.018 -0.001	406.881 0.041 0.002	
205.899 0.009 0.000	207.177 0.024 0.001	
14.692 -0.171 -0.009	14.693 -0.030 -0.001	

Issued by

MOSDAX Calibration Report 2: EMS - 4956 Module 4164

Full Scale: 2000 (psia)

File: E:\DATA\CAL\0-2025\2K\17APR2~1\04956

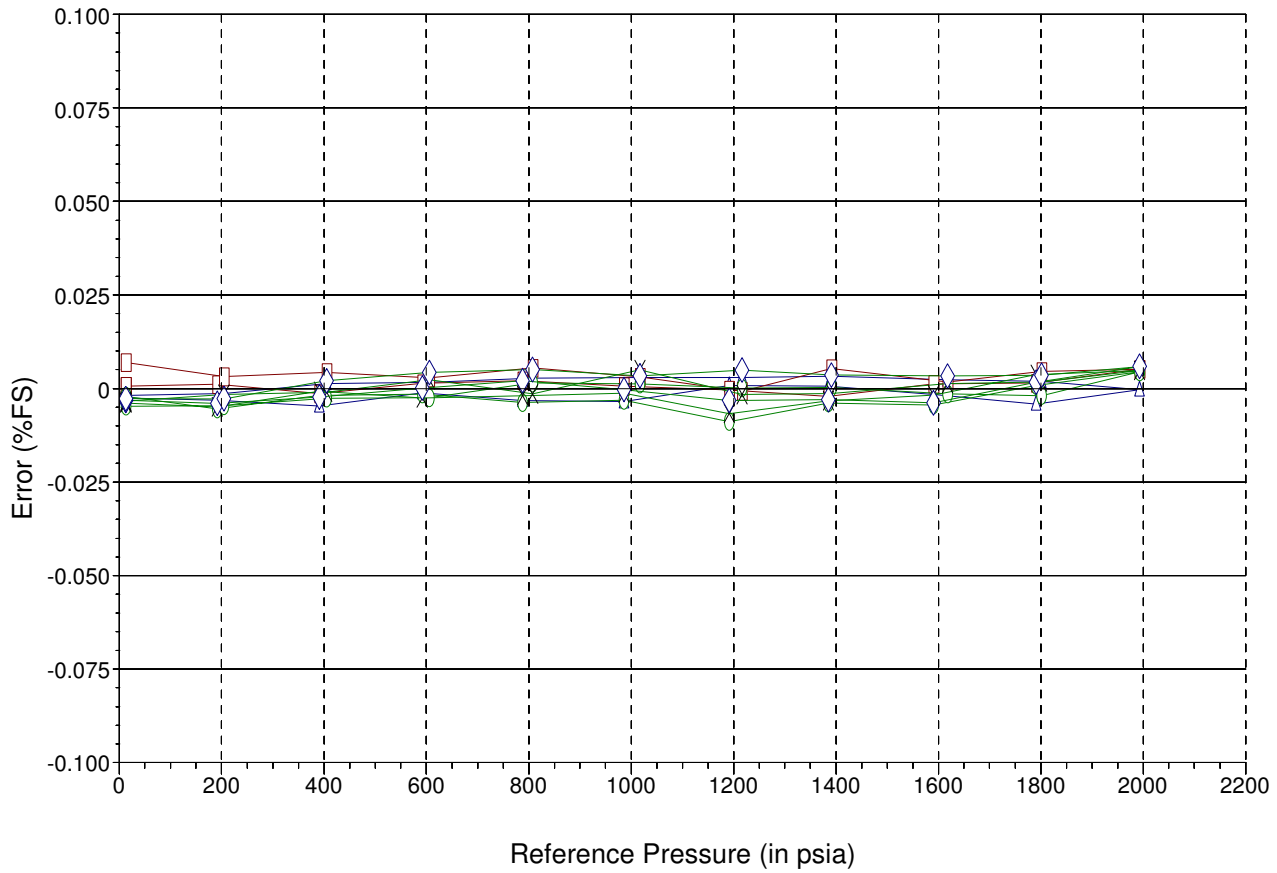
Pressure Reference: Paroscientific Model 42K-101 S/N 59937

Range: 2K PSI

Date of last reference to traceable standard: Sept 20 2023

Plot of Error vs. Reference Pressure

EMS - 4956 Module 4164



—△— 3.5° C —□— 10.5° C —○— 20.4° C —×— 30.2° C —◇— 40.1° C

Comments

Issued by

MOSDAX Calibration Report 1: EMS - 4956 Module 4164

Full Scale: 2000 (psia)

File: E:\DATA\CAL\0-2025\2K\17APR2~1\04956

Pressure Reference: Paroscientific Model 42K-101 S/N 59937

Range: 2K PSI

Date of last reference to traceable standard: Sept 20 2023

EMS - 4956 Apr 16 15:41:06 2025 Range 1 Temp 3.5° C			EMS - 4956 Apr 16 20:16:19 2025 Range 2 Temp 10.5° C			EMS - 4956 Apr 17 01:01:56 2025 Range 3 Temp 20.4° C		
Ref Pres (psia)	Error (psia)	(% FS)	Ref Pres (psia)	Error (psia)	(% FS)	Ref Pres (psia)	Error (psia)	(% FS)
14.635	-0.050	-0.003	14.650	0.013	0.001	14.673	-0.042	-0.002
192.402	-0.062	-0.003	194.592	0.023	0.001	193.372	-0.107	-0.005
391.553	-0.092	-0.005	390.347	-0.026	-0.001	390.102	-0.037	-0.002
592.610	-0.022	-0.001	593.598	0.028	0.001	589.459	-0.030	-0.001
788.170	-0.064	-0.003	787.963	0.043	0.002	789.308	-0.074	-0.004
986.074	-0.070	-0.004	991.563	0.012	0.001	985.557	-0.063	-0.003
1191.213	0.016	0.001	1191.364	-0.007	0.000	1184.716	-0.176	-0.009
1384.494	0.012	0.001	1384.588	-0.042	-0.002	1390.375	-0.077	-0.004
1590.008	-0.032	-0.002	1589.615	0.024	0.001	1590.159	-0.086	-0.004
1789.590	-0.081	-0.004	1789.499	0.029	0.001	1789.459	0.016	0.001
1992.255	-0.006	0.000	1992.235	0.104	0.005	1992.524	0.089	0.004
1800.492	0.038	0.002	1798.008	0.091	0.005	1808.004	-0.038	-0.002
1617.662	0.046	0.002	1606.721	0.036	0.002	1604.065	-0.028	-0.001
1390.864	0.066	0.003	1401.183	0.108	0.005	1401.898	0.006	0.000
1216.370	0.058	0.003	1196.530	-0.014	-0.001	1203.766	0.004	0.000
1016.842	0.060	0.003	1006.370	0.062	0.003	1010.053	0.025	0.001
808.180	0.057	0.003	807.414	0.110	0.006	807.722	0.029	0.001
606.474	0.034	0.002	606.418	0.058	0.003	606.538	-0.049	-0.002
405.744	0.027	0.001	406.288	0.087	0.004	406.488	-0.051	-0.003
205.870	-0.026	-0.001	207.164	0.065	0.003	206.204	-0.092	-0.005
14.648	-0.037	-0.002	14.660	0.140	0.007	14.681	-0.094	-0.005
EMS - 4956 Apr 17 05:45:46 2025 Range 4 Temp 30.2° C			EMS - 4956 Apr 17 10:35:38 2025 Range 5 Temp 40.1° C					
Ref Pres (psia)	Error (psia)	(% FS)	Ref Pres (psia)	Error (psia)	(% FS)			
14.682	-0.077	-0.004	14.687	-0.062	-0.003			
194.366	-0.097	-0.005	192.244	-0.078	-0.004			
390.586	-0.015	-0.001	390.282	-0.045	-0.002			
589.531	-0.051	-0.003	589.759	0.003	0.000			
788.150	-0.038	-0.002	788.163	0.043	0.002			
986.562	-0.025	-0.001	986.487	-0.005	0.000			
1190.892	-0.134	-0.007	1185.093	-0.064	-0.003			
1391.224	-0.065	-0.003	1390.821	-0.059	-0.003			
1589.714	-0.035	-0.002	1590.004	-0.076	-0.004			
1784.420	0.075	0.004	1789.490	0.035	0.002			
1992.239	0.096	0.005	1992.323	0.118	0.006			
1807.653	0.035	0.002	1818.265	0.071	0.004			
1616.384	0.027	0.001	1597.098	0.067	0.003			
1406.911	-0.026	-0.001	1393.060	0.073	0.004			
1203.044	-0.032	-0.002	1217.301	0.099	0.005			
1013.591	0.101	0.005	1011.360	0.068	0.003			
807.490	-0.028	-0.001	808.005	0.102	0.005			
606.388	0.048	0.002	606.488	0.086	0.004			
406.303	-0.019	-0.001	406.881	0.041	0.002			
205.899	-0.031	-0.002	207.177	-0.056	-0.003			
14.692	-0.067	-0.003	14.693	-0.054	-0.003			

Issued by

As Received MOSDAX Cal. Report 2: EMS - 4956 Module 4164

Full Scale: 2000 (psia)

File: E:\DATA\CAL\0-2025\2K\17APR2~1\04956

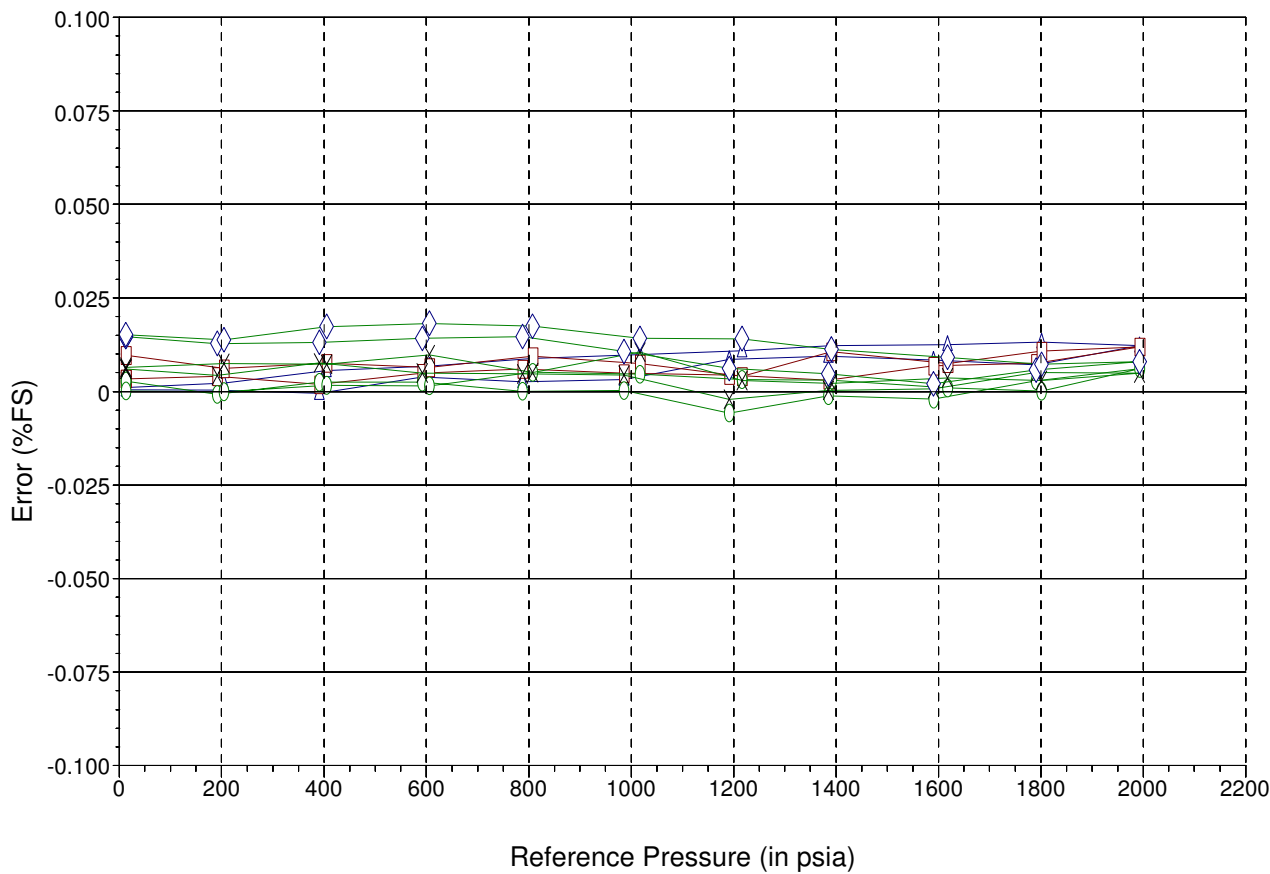
Pressure Reference: Paroscientific Model 42K-101 S/N 59937

Range: 2K PSI

Date of last reference to traceable standard: Sept 20 2023

Plot of Error vs. Reference Pressure

EMS - 4956 Module 4164



—△— 3.5° C —□— 10.5° C —○— 20.4° C —×— 30.2° C —◇— 40.1° C

Comments

Issued by

As Received MOSDAX Cal. Report 1: EMS - 4956 Module 4164

Full Scale: 2000 (psia)

File: E:\DATA\CAL\0-2025\2K\17APR2~1\04956

Pressure Reference: Paroscientific Model 42K-101 S/N 59937

Range: 2K PSI

Date of last reference to traceable standard: Sept 20 2023

EMS - 4956 Apr 16 15:41:06 2025 Range 1 Temp 3.5° C			EMS - 4956 Apr 16 20:16:19 2025 Range 2 Temp 10.5° C			EMS - 4956 Apr 17 01:01:56 2025 Range 3 Temp 20.4° C		
Ref Pres (psia)	Error (psia)	(% FS)	Ref Pres (psia)	Error (psia)	(% FS)	Ref Pres (psia)	Error (psia)	(% FS)
14.635	0.010	0.000	14.650	0.068	0.003	14.673	0.056	0.003
192.402	0.009	0.000	194.592	0.082	0.004	193.372	-0.015	-0.001
391.553	-0.008	0.000	390.347	0.038	0.002	390.102	0.050	0.003
592.610	0.078	0.004	593.598	0.099	0.005	589.459	0.051	0.003
788.170	0.053	0.003	787.963	0.121	0.006	789.308	0.001	0.000
986.074	0.065	0.003	991.563	0.098	0.005	985.557	0.006	0.000
1191.213	0.172	0.009	1191.364	0.088	0.004	1184.716	-0.115	-0.006
1384.494	0.189	0.009	1384.588	0.061	0.003	1390.375	-0.022	-0.001
1590.008	0.168	0.008	1589.615	0.137	0.007	1590.159	-0.039	-0.002
1789.590	0.142	0.007	1789.499	0.152	0.008	1789.459	0.057	0.003
1992.255	0.245	0.012	1992.235	0.238	0.012	1992.524	0.122	0.006
1800.492	0.264	0.013	1798.008	0.216	0.011	1808.004	0.002	0.000
1617.662	0.250	0.013	1606.721	0.150	0.007	1604.065	0.019	0.001
1390.864	0.244	0.012	1401.183	0.212	0.011	1401.898	0.061	0.003
1216.370	0.217	0.011	1196.530	0.081	0.004	1203.766	0.065	0.003
1016.842	0.198	0.010	1006.370	0.149	0.007	1010.053	0.093	0.005
808.180	0.176	0.009	807.414	0.189	0.009	807.722	0.103	0.005
606.474	0.136	0.007	606.418	0.129	0.006	606.538	0.031	0.002
405.744	0.113	0.006	406.288	0.152	0.008	406.488	0.034	0.002
205.870	0.046	0.002	207.164	0.124	0.006	206.204	0.000	0.000
14.648	0.023	0.001	14.660	0.195	0.010	14.681	0.004	0.000
EMS - 4956 Apr 17 05:45:46 2025 Range 4 Temp 30.2° C			EMS - 4956 Apr 17 10:35:38 2025 Range 5 Temp 40.1° C					
Ref Pres (psia)	Error (psia)	(% FS)	Ref Pres (psia)	Error (psia)	(% FS)			
14.682	0.120	0.006	14.687	0.294	0.015			
194.366	0.086	0.004	192.244	0.256	0.013			
390.586	0.152	0.008	390.282	0.263	0.013			
589.531	0.099	0.005	589.759	0.283	0.014			
788.150	0.094	0.005	788.163	0.294	0.015			
986.562	0.088	0.004	986.487	0.215	0.011			
1190.892	-0.042	-0.002	1185.093	0.124	0.006			
1391.224	0.006	0.000	1390.821	0.094	0.005			
1589.714	0.015	0.001	1590.004	0.041	0.002			
1784.420	0.102	0.005	1789.490	0.115	0.006			
1992.239	0.099	0.005	1992.323	0.159	0.008			
1807.653	0.060	0.003	1818.265	0.146	0.007			
1616.384	0.073	0.004	1597.098	0.182	0.009			
1406.911	0.044	0.002	1393.060	0.225	0.011			
1203.044	0.059	0.003	1217.301	0.281	0.014			
1013.591	0.210	0.011	1011.360	0.284	0.014			
807.490	0.102	0.005	808.005	0.349	0.017			
606.388	0.196	0.010	606.488	0.363	0.018			
406.303	0.146	0.007	406.881	0.346	0.017			
205.899	0.151	0.008	207.177	0.277	0.014			
14.692	0.130	0.007	14.693	0.303	0.015			

Issued by

ATTACHMENT C

**2025 Laboratory Certificates of
Analysis**



Your P.O. #: 1533910
 Site Location: Amaruq
 Your C.O.C. #: 1035559

Attention: Reporting

Agnico Eagle
 Amaruq
 Amaruq
 Keewatin, NU
 CANADA POX 0A1

Report Date: 2025/11/07
 Report #: R8647020
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5D0348

Received: 2025/10/15, 13:20

Sample Matrix: Water
 # Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity (1)	3	N/A	2025/10/21	CAM SOP-00448	SM 24 2320 B m
Carbonate, Bicarbonate and Hydroxide (1)	3	N/A	2025/10/22	CAM SOP-00102	APHA 4500-CO2 D
Conductivity (1)	3	N/A	2025/10/21	CAM SOP-00414	SM 24 2510 m
Dissolved Organic Carbon (DOC) (1, 5)	3	N/A	2025/10/20	CAM SOP-00446	SM 24 5310 B m
Fluoride (1)	3	2025/10/18	2025/10/21	CAM SOP-00449	SM 24 4500-F C m
Dissolved Mercury (low level) (1)	3	2025/10/21	2025/10/22	CAM SOP-00453	EPA 7470 m
Mercury (low level) (1)	3	2025/10/21	2025/10/22	CAM SOP-00453	EPA 7470 m
Bromide in water by IC (2)	1	N/A	2025/10/29	AB SOP-00052	SM 24 4110 B m
Bromide in water by IC (2)	2	N/A	2025/11/04	AB SOP-00052	SM 24 4110 B m
Low Level Chloride and Sulphate by AC (2)	3	N/A	2025/10/22	AB SOP-00020	SM24-4500-Cl/SO4-E m
Cyanide, Strong Acid Dissociable (SAD) (2)	1	2025/10/21	2025/10/21	CAL SOP-00270	SM 24 4500-CN m
Cyanide, Strong Acid Dissociable (SAD) (2)	2	2025/10/22	2025/10/22	CAL SOP-00270	SM 24 4500-CN m
Cyanide WAD (weak acid dissociable) (2)	1	N/A	2025/10/21	CAL SOP-00270	SM 24 4500-CN m
Cyanide WAD (weak acid dissociable) (2)	2	N/A	2025/10/22	CAL SOP-00270	SM 24 4500-CN m
Free Cyanide (2)	1	N/A	2025/10/21	CAL SOP-00270	Skalar I291-301w/r m
Free Cyanide (2)	2	N/A	2025/10/22	CAL SOP-00270	Skalar I291-301w/r m
Hardness Total (calculated as CaCO3) (3, 6)	3	N/A	2025/10/24	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO3) (3)	3	N/A	2025/10/24	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (3)	3	N/A	2025/10/24	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (dissolved) (3, 7)	3	N/A	2025/10/23	BBY7SOP-00002	EPA 6020b R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (3)	3	N/A	2025/10/24	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (total) (3)	3	N/A	2025/10/23	BBY7SOP-00002	EPA 6020b R2 m
Ammonia-N Low Level (2)	3	N/A	2025/10/23	AB SOP-00007	SM 24 4500 NH3 A G m
Orthophosphate LL by Automated Analyzer (2)	3	N/A	2025/10/23	AB SOP-00025	SM 24 4500-P A, F m
Silica (Reactive) (2)	3	N/A	2025/10/23	AB SOP-00011	EPA 370.1 R1978 m
Total Phosphorus Low Level Total (2)	3	2025/10/22	2025/10/22	AB SOP-00024	SM 24 4500-P A,B,F m
Total Ammonia (as NH3) (1)	3	N/A	2025/11/07	Auto Calc.	
Nitrate & Nitrite as Nitrogen in Water (1, 8)	3	N/A	2025/10/19	CAM SOP-00440	SM 24 4500-NO3I/NO2B
pH (1, 9)	3	2025/10/18	2025/10/21	CAM SOP-00413	SM 24th - 4500H+ B
Field Measured pH (1, 10)	2	N/A	2025/10/16		Field pH Meter



Your P.O. #: 1533910
 Site Location: Amaruq
 Your C.O.C. #: 1035559

Attention: Reporting

Agnico Eagle
 Amaruq
 Amaruq
 Keewatin, NU
 CANADA POX 0A1

Report Date: 2025/11/07
 Report #: R8647020
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5D0348

Received: 2025/10/15, 13:20

Sample Matrix: Water
 # Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Radium-226 Low Level (4, 11)	3	N/A	2025/10/28	BQL SOP-00006 BQL SOP-00017 BQL SOP-00032	Alpha Spectrometry
Total Dissolved Solids (1)	3	2025/10/18	2025/10/20	CAM SOP-00428	SM 24 2540C m
Field Temperature (1, 10)	2	N/A	2025/10/16		Field Thermometer
Total Kjeldahl Nitrogen in Water (1)	3	2025/10/20	2025/10/22	CAM SOP-00938	SM 4500-N B m
Total Organic Carbon (TOC) (1, 12)	3	N/A	2025/10/20	CAM SOP-00446	SM 24 5310B m
Low Level Total Suspended Solids (1)	3	2025/10/18	2025/10/20	CAM SOP-00428	SM 24 2540D m
Turbidity (1)	3	N/A	2025/10/18	CAM SOP-00417	SM 24 2130 B
Un-ionized Ammonia (as N) (1, 13)	2	2025/10/17	2025/11/07	Calculation	Calculation

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8



Your P.O. #: 1533910
Site Location: Amaruq
Your C.O.C. #: 1035559

Attention: Reporting

Agnico Eagle
Amaruq
Amaruq
Keewatin, NU
CANADA POX 0A1

Report Date: 2025/11/07
Report #: R8647020
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5D0348

Received: 2025/10/15, 13:20

- (2) This test was performed by Bureau Veritas Calgary (19th), 4000 19th Street NE , Calgary, AB, T2E 6P8
- (3) This test was performed by Bureau Veritas Burnaby, 4606 Canada Way , Burnaby, BC, V5G 1K5
- (4) This test was performed by Bureau Veritas Kitimat, 6790 Kitimat Road, Unit 4 , Mississauga, ON, L5N 5L9
- (5) Dissolved Organic Carbon (DOC) present in the sample should be considered as non-purgeable DOC.
- (6) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).
- (7) Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.
- (8) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.
- (9) "The CCME method and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) requires pH to be analyzed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) holding time. Bureau Veritas endeavors to analyze samples as soon as possible after receipt."
- (10) This is a field test, therefore, the results relate to items that were not analysed at Bureau Veritas.
- (11) Radium-226 results have not been corrected for blanks.
- (12) Total Organic Carbon (TOC) present in the sample should be considered as non-purgeable TOC.
- (13) Un-ionized ammonia is calculated using the total ammonia result and field data provided by the client for pH and temperature.

Encryption Key

Katherine Szozda
Project Manager
07 Nov 2025 16:46:03

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

=====
Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.



BUREAU
VERITAS

Bureau Veritas Job #: C5D0348
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
Sampler Initials: JG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		AWGU14			AWGU14			AWGU15		
Sampling Date		2025/10/12 06:40			2025/10/12 06:40			2025/10/12 06:40		
COC Number		1035559			1035559			1035559		
	UNITS	Port4-A	RDL	QC Batch	Port4-A Lab-Dup	RDL	QC Batch	Port4-B	RDL	QC Batch

CONVENTIONALS										
Total Nitrogen (Ammonia Nitrogen)	mg/L	0.045	0.0050	A048258				0.041	0.0050	A048258
Calculated Parameters										
Total Ammonia (as NH3)	mg/L	0.055	0.0061	A034472				0.050	0.0061	A034472
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	6.2	1.0	A034471				6.1	1.0	A034471
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	A034471				<1.0	1.0	A034471
Dissolved Hardness (CaCO3)	mg/L	890	0.50	A039626				765	0.50	A039626
Field Measurements										
Field Temperature	Celsius	4.6	N/A	ONSITE				4.6	N/A	ONSITE
Field Measured pH	pH	7.9		ONSITE				7.9		ONSITE
Inorganics										
Dissolved Bromide (Br-)	mg/L	11	0.10	A048259				11	0.10	A048262
Conductivity	mS/cm	3.11	0.002	A035082				3.10	0.002	A035082
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	A048257				<0.00050	0.00050	A038922
Weak Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	A038680				<0.00050	0.00050	A041929
Total Dissolved Solids	mg/L	1870	10	A034998				1900	10	A034998
Fluoride (F-)	mg/L	0.40	0.10	A035083				0.41	0.10	A035083
Free Cyanide	mg/L	<0.00050	0.00050	A037060				<0.00050	0.00050	A045115
Total Kjeldahl Nitrogen (TKN)	mg/L	<0.10	0.10	A035751				<0.10	0.10	A035751
Dissolved Organic Carbon	mg/L	270	0.40	A034682				270	0.40	A034682
Total Organic Carbon (TOC)	mg/L	320	0.40	A035747				320	0.40	A035747
Orthophosphate (P)	mg/L	<0.0010	0.0010	A048260				0.0010	0.0010	A048260
pH	pH	6.90		A035084				6.79		A035084
Total Phosphorus (P)	mg/L	<0.0010	0.0010	A038853				<0.0010 (1)	0.0010	A038853
Reactive Silica (SiO2)	mg/L	6.3	0.050	A041912	6.0	0.050	A041912	5.9	0.050	A048261
Total Suspended Solids	mg/L	1	1	A035000				1	1	A035000
Turbidity	NTU	0.9	0.1	A034988				0.9	0.1	A034988
Alkalinity (Total as CaCO3)	mg/L	6.2	1.0	A035081				6.1	1.0	A035081
Dissolved Chloride (Cl-)	mg/L	1000	13	A045114				1000	13	A045114

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 Lab-Dup = Laboratory Initiated Duplicate
 N/A = Not Applicable
 (1) Total Phosphorus < Orthophosphate: Both values fall within the method uncertainty for duplicates and are likely equivalent.



BUREAU
VERITAS

Bureau Veritas Job #: C5D0348
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
Sampler Initials: JG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		AWGU14			AWGU14			AWGU15		
Sampling Date		2025/10/12 06:40			2025/10/12 06:40			2025/10/12 06:40		
COC Number		1035559			1035559			1035559		
	UNITS	Port4-A	RDL	QC Batch	Port4-A Lab-Dup	RDL	QC Batch	Port4-B	RDL	QC Batch
Nitrite (N)	mg/L	<0.010	0.010	A034989				<0.010	0.010	A034989
Nitrate (N)	mg/L	<0.10	0.10	A034989				<0.10	0.10	A034989
Dissolved Sulphate (SO4)	mg/L	<0.50	0.50	A045114				<0.50	0.50	A045114
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	A034989				<0.10	0.10	A034989
Un-ionized Ammonia (as N)	mg/L	0.0004	0.0004	A034473				<0.0004	0.0004	A034473
Metals										
Dissolved Aluminum (Al)	ug/L	10.5	1.0	A039822				9.3	1.0	A039822
Total Aluminum (Al)	ug/L	8.91	0.50	A039825				10.4	0.50	A039825
Dissolved Antimony (Sb)	ug/L	0.450	0.040	A039822				0.376	0.040	A039822
Total Antimony (Sb)	ug/L	0.388	0.020	A039825				0.402	0.020	A039825
Dissolved Arsenic (As)	ug/L	1.60	0.040	A039822				1.40	0.040	A039822
Total Arsenic (As)	ug/L	1.37	0.020	A039825				1.36	0.020	A039825
Dissolved Barium (Ba)	ug/L	68.0	0.040	A039822				59.2	0.040	A039822
Total Barium (Ba)	ug/L	61.7	0.020	A039825				62.8	0.020	A039825
Dissolved Beryllium (Be)	ug/L	<0.020	0.020	A039822				<0.020	0.020	A039822
Total Beryllium (Be)	ug/L	<0.010	0.010	A039825				<0.010	0.010	A039825
Dissolved Bismuth (Bi)	ug/L	<0.010	0.010	A039822				<0.010	0.010	A039822
Total Bismuth (Bi)	ug/L	<0.0050	0.0050	A039825				<0.0050	0.0050	A039825
Dissolved Boron (B)	ug/L	514	20	A039822				440	20	A039822
Total Boron (B)	ug/L	501	10	A039825				496	10	A039825
Dissolved Cadmium (Cd)	ug/L	<0.010	0.010	A039822				<0.010	0.010	A039822
Total Cadmium (Cd)	ug/L	<0.0050	0.0050	A039825				<0.0050	0.0050	A039825
Dissolved Chromium (Cr)	ug/L	0.39	0.20	A039822				0.54	0.20	A039822
Total Chromium (Cr)	ug/L	1.02	0.10	A039825				0.82	0.10	A039825
Dissolved Cobalt (Co)	ug/L	0.015	0.010	A039822				0.019	0.010	A039822
Total Cobalt (Co)	ug/L	0.0242	0.0050	A039825				0.0202	0.0050	A039825
Dissolved Copper (Cu)	ug/L	<0.10	0.10	A039822				<0.10	0.10	A039822
Total Copper (Cu)	ug/L	0.088	0.050	A039825				0.084	0.050	A039825
Dissolved Iron (Fe)	ug/L	79.8	2.0	A039822				72.2	2.0	A039822
Total Iron (Fe)	ug/L	74.2	1.0	A039825				75.1	1.0	A039825
Dissolved Lead (Pb)	ug/L	0.030	0.010	A039822				0.031	0.010	A039822
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU
VERITAS

Bureau Veritas Job #: C5D0348

Report Date: 2025/11/07

Agnico Eagle

Site Location: Amaruq

Your P.O. #: 1533910

Sampler Initials: JG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		AWGU14			AWGU14			AWGU15		
Sampling Date		2025/10/12 06:40			2025/10/12 06:40			2025/10/12 06:40		
COC Number		1035559			1035559			1035559		
	UNITS	Port4-A	RDL	QC Batch	Port4-A Lab-Dup	RDL	QC Batch	Port4-B	RDL	QC Batch
Total Lead (Pb)	ug/L	0.0280	0.0050	A039825				0.0294	0.0050	A039825
Dissolved Lithium (Li)	ug/L	41.3	1.0	A039822				35.6	1.0	A039822
Total Lithium (Li)	ug/L	38.7	0.50	A039825				39.7	0.50	A039825
Dissolved Manganese (Mn)	ug/L	24.0	0.10	A039822				20.1	0.10	A039822
Total Manganese (Mn)	ug/L	21.2	0.050	A039825				21.7	0.050	A039825
Dissolved Molybdenum (Mo)	ug/L	0.79	0.10	A039822				0.72	0.10	A039822
Total Molybdenum (Mo)	ug/L	0.821	0.050	A039825				0.862	0.050	A039825
Dissolved Nickel (Ni)	ug/L	0.445	0.040	A039822				0.501	0.040	A039822
Total Nickel (Ni)	ug/L	0.757	0.020	A039825				0.636	0.020	A039825
Dissolved Selenium (Se)	ug/L	<0.080	0.080	A039822				<0.080	0.080	A039822
Total Silicon (Si)	ug/L	2750	50	A039825				2850	50	A039825
Total Selenium (Se)	ug/L	0.045	0.040	A039825				0.070	0.040	A039825
Dissolved Silicon (Si)	ug/L	3140	100	A039822				2760	100	A039822
Dissolved Silver (Ag)	ug/L	<0.010	0.010	A039822				<0.010	0.010	A039822
Total Silver (Ag)	ug/L	<0.0050	0.0050	A039825				<0.0050	0.0050	A039825
Dissolved Strontium (Sr)	ug/L	5390	0.10	A039822				4770	0.10	A039822
Total Strontium (Sr)	ug/L	4840	0.050	A039825				4940	0.050	A039825
Dissolved Thallium (Tl)	ug/L	<0.0040	0.0040	A039822				<0.0040	0.0040	A039822
Total Thallium (Tl)	ug/L	<0.0020	0.0020	A039825				<0.0020	0.0020	A039825
Dissolved Tin (Sn)	ug/L	0.47	0.40	A039822				<0.40	0.40	A039822
Total Tin (Sn)	ug/L	<0.20	0.20	A039825				<0.20	0.20	A039825
Dissolved Titanium (Ti)	ug/L	<1.0	1.0	A039822				<1.0	1.0	A039822
Total Titanium (Ti)	ug/L	<0.50	0.50	A039825				<0.50	0.50	A039825
Dissolved Uranium (U)	ug/L	0.0061	0.0040	A039822				0.0051	0.0040	A039822
Total Uranium (U)	ug/L	0.0062	0.0020	A039825				0.0047	0.0020	A039825
Dissolved Vanadium (V)	ug/L	<0.40	0.40	A039822				<0.40	0.40	A039822
Total Vanadium (V)	ug/L	<0.20	0.20	A039825				<0.20	0.20	A039825
Dissolved Zinc (Zn)	ug/L	313	0.20	A039822				280	0.20	A039822
Total Zinc (Zn)	ug/L	289	0.10	A039825				288	0.10	A039825
Total Zirconium (Zr)	ug/L	<0.10	0.10	A039825				<0.10	0.10	A039825
Dissolved Calcium (Ca)	mg/L	339	0.10	A039821				291	0.10	A039821
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										
Lab-Dup = Laboratory Initiated Duplicate										



**BUREAU
VERITAS**

Bureau Veritas Job #: C5D0348
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
Sampler Initials: JG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		AWGU14			AWGU14			AWGU15		
Sampling Date		2025/10/12 06:40			2025/10/12 06:40			2025/10/12 06:40		
COC Number		1035559			1035559			1035559		
	UNITS	Port4-A	RDL	QC Batch	Port4-A Lab-Dup	RDL	QC Batch	Port4-B	RDL	QC Batch
Total Calcium (Ca)	mg/L	295	0.050	A039824				302	0.050	A039824
Dissolved Magnesium (Mg)	mg/L	10.4	0.10	A039821				9.19	0.10	A039821
Total Magnesium (Mg)	mg/L	8.45	0.050	A039824				8.93	0.050	A039824
Dissolved Potassium (K)	mg/L	4.97	0.10	A039821				4.33	0.10	A039821
Total Potassium (K)	mg/L	4.51	0.050	A039824				4.60	0.050	A039824
Dissolved Sodium (Na)	mg/L	286	0.10	A039821				258	0.10	A039821
Total Sodium (Na)	mg/L	238	0.050	A039824				243	0.050	A039824
Dissolved Sulphur (S)	mg/L	<6.0	6.0	A039821				<6.0	6.0	A039821
Total Sulphur (S)	mg/L	<3.0	3.0	A039824				<3.0	3.0	A039824
Dissolved Tellurium (Te)	ug/L	<0.040	0.040	A039822				<0.040	0.040	A039822
Total Tellurium (Te)	ug/L	<0.020	0.020	A039825				<0.020	0.020	A039825
RADIONUCLIDE										
Radium-226	Bq/L	0.12	0.0050	A039016				0.12	0.0050	A039016
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU
VERITAS

Bureau Veritas Job #: C5D0348
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
Sampler Initials: JG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		AWGU15			AWGU16			AWGU16		
Sampling Date		2025/10/12 06:40			2025/10/12 06:40			2025/10/12 06:40		
COC Number		1035559			1035559			1035559		
	UNITS	Port4-B Lab-Dup	RDL	QC Batch	Port-4-A-TB	RDL	QC Batch	Port-4-A-TB Lab-Dup	RDL	QC Batch
CONVENTIONALS										
Total Nitrogen (Ammonia Nitrogen)	mg/L				<0.0050	0.0050	A048258			
Calculated Parameters										
Total Ammonia (as NH3)	mg/L				<0.0061	0.0061	A034472			
Bicarb. Alkalinity (calc. as CaCO3)	mg/L				2.0	1.0	A034471			
Carb. Alkalinity (calc. as CaCO3)	mg/L				<1.0	1.0	A034471			
Dissolved Hardness (CaCO3)	mg/L				<0.50	0.50	A039626			
Inorganics										
Dissolved Bromide (Br-)	mg/L				<0.010	0.010	A048262			
Conductivity	mS/cm				<0.002	0.002	A035082			
Strong Acid Dissoc. Cyanide (CN)	mg/L				<0.00050	0.00050	A038922			
Weak Acid Dissoc. Cyanide (CN)	mg/L				<0.00050	0.00050	A041929			
Total Dissolved Solids	mg/L				<10	10	A034998			
Fluoride (F-)	mg/L				<0.10	0.10	A035083			
Free Cyanide	mg/L				<0.00050	0.00050	A045115			
Total Kjeldahl Nitrogen (TKN)	mg/L	<0.10	0.10	A035751	<0.10	0.10	A035751			
Dissolved Organic Carbon	mg/L				<0.40	0.40	A034682			
Total Organic Carbon (TOC)	mg/L				<0.40	0.40	A035747			
Orthophosphate (P)	mg/L				<0.0010	0.0010	A048260			
pH	pH				6.56		A035084			
Total Phosphorus (P)	mg/L				<0.0010	0.0010	A038853			
Reactive Silica (SiO2)	mg/L	6.1	0.050	A048261	<0.050	0.050	A041912			
Total Suspended Solids	mg/L				<1	1	A035000			
Turbidity	NTU				<0.1	0.1	A034988			
Alkalinity (Total as CaCO3)	mg/L				2.0	1.0	A035081			
Dissolved Chloride (Cl-)	mg/L	1000	13	A045114	<0.50	0.50	A045114			
Nitrite (N)	mg/L				<0.010	0.010	A034989			
Nitrate (N)	mg/L				<0.10	0.10	A034989			
Dissolved Sulphate (SO4)	mg/L	<0.50	0.50	A045114	<0.50	0.50	A045114			
Nitrate + Nitrite (N)	mg/L				<0.10	0.10	A034989			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU VERITAS

Bureau Veritas Job #: C5D0348
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
Sampler Initials: JG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		AWGU15			AWGU16			AWGU16		
Sampling Date		2025/10/12 06:40			2025/10/12 06:40			2025/10/12 06:40		
COC Number		1035559			1035559			1035559		
	UNITS	Port4-B Lab-Dup	RDL	QC Batch	Port-4-A-TB	RDL	QC Batch	Port-4-A-TB Lab-Dup	RDL	QC Batch

Metals										
Dissolved Aluminum (Al)	ug/L				<0.50	0.50	A039822	<0.50	0.50	A039822
Total Aluminum (Al)	ug/L				4.66	0.50	A039825			
Dissolved Antimony (Sb)	ug/L				<0.020	0.020	A039822	<0.020	0.020	A039822
Total Antimony (Sb)	ug/L				<0.020	0.020	A039825			
Dissolved Arsenic (As)	ug/L				<0.020	0.020	A039822	<0.020	0.020	A039822
Total Arsenic (As)	ug/L				<0.020	0.020	A039825			
Dissolved Barium (Ba)	ug/L				0.082	0.020	A039822	0.092	0.020	A039822
Total Barium (Ba)	ug/L				0.119	0.020	A039825			
Dissolved Beryllium (Be)	ug/L				<0.010	0.010	A039822	<0.010	0.010	A039822
Total Beryllium (Be)	ug/L				<0.010	0.010	A039825			
Dissolved Bismuth (Bi)	ug/L				<0.0050	0.0050	A039822	<0.0050	0.0050	A039822
Total Bismuth (Bi)	ug/L				<0.0050	0.0050	A039825			
Dissolved Boron (B)	ug/L				<10	10	A039822	<10	10	A039822
Total Boron (B)	ug/L				<10	10	A039825			
Dissolved Cadmium (Cd)	ug/L				<0.0050	0.0050	A039822	<0.0050	0.0050	A039822
Total Cadmium (Cd)	ug/L				<0.0050	0.0050	A039825			
Dissolved Chromium (Cr)	ug/L				<0.10	0.10	A039822	<0.10	0.10	A039822
Total Chromium (Cr)	ug/L				<0.10	0.10	A039825			
Dissolved Cobalt (Co)	ug/L				<0.0050	0.0050	A039822	<0.0050	0.0050	A039822
Total Cobalt (Co)	ug/L				<0.0050	0.0050	A039825			
Dissolved Copper (Cu)	ug/L				<0.050	0.050	A039822	<0.050	0.050	A039822
Total Copper (Cu)	ug/L				0.081	0.050	A039825			
Dissolved Iron (Fe)	ug/L				<1.0	1.0	A039822	<1.0	1.0	A039822
Total Iron (Fe)	ug/L				1.8	1.0	A039825			
Dissolved Lead (Pb)	ug/L				<0.0050	0.0050	A039822	<0.0050	0.0050	A039822
Total Lead (Pb)	ug/L				0.0094	0.0050	A039825			
Dissolved Lithium (Li)	ug/L				<0.50	0.50	A039822	<0.50	0.50	A039822
Total Lithium (Li)	ug/L				<0.50	0.50	A039825			
Dissolved Manganese (Mn)	ug/L				<0.050	0.050	A039822	<0.050	0.050	A039822
Total Manganese (Mn)	ug/L				0.081	0.050	A039825			

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU
VERITAS

Bureau Veritas Job #: C5D0348
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
Sampler Initials: JG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		AWGU15			AWGU16			AWGU16		
Sampling Date		2025/10/12 06:40			2025/10/12 06:40			2025/10/12 06:40		
COC Number		1035559			1035559			1035559		
	UNITS	Port4-B Lab-Dup	RDL	QC Batch	Port-4-A-TB	RDL	QC Batch	Port-4-A-TB Lab-Dup	RDL	QC Batch
Dissolved Molybdenum (Mo)	ug/L				<0.050	0.050	A039822	<0.050	0.050	A039822
Total Molybdenum (Mo)	ug/L				<0.050	0.050	A039825			
Dissolved Nickel (Ni)	ug/L				<0.020	0.020	A039822	<0.020	0.020	A039822
Total Nickel (Ni)	ug/L				0.026	0.020	A039825			
Dissolved Selenium (Se)	ug/L				<0.040	0.040	A039822	<0.040	0.040	A039822
Total Silicon (Si)	ug/L				<50	50	A039825			
Total Selenium (Se)	ug/L				<0.040	0.040	A039825			
Dissolved Silicon (Si)	ug/L				<50	50	A039822	<50	50	A039822
Dissolved Silver (Ag)	ug/L				<0.0050	0.0050	A039822	<0.0050	0.0050	A039822
Total Silver (Ag)	ug/L				<0.0050	0.0050	A039825			
Dissolved Strontium (Sr)	ug/L				0.087	0.050	A039822	0.066	0.050	A039822
Total Strontium (Sr)	ug/L				0.240	0.050	A039825			
Dissolved Thallium (Tl)	ug/L				<0.0020	0.0020	A039822	<0.0020	0.0020	A039822
Total Thallium (Tl)	ug/L				<0.0020	0.0020	A039825			
Dissolved Tin (Sn)	ug/L				<0.20	0.20	A039822	<0.20	0.20	A039822
Total Tin (Sn)	ug/L				<0.20	0.20	A039825			
Dissolved Titanium (Ti)	ug/L				<0.50	0.50	A039822	<0.50	0.50	A039822
Total Titanium (Ti)	ug/L				<0.50	0.50	A039825			
Dissolved Uranium (U)	ug/L				<0.0020	0.0020	A039822	<0.0020	0.0020	A039822
Total Uranium (U)	ug/L				<0.0020	0.0020	A039825			
Dissolved Vanadium (V)	ug/L				<0.20	0.20	A039822	<0.20	0.20	A039822
Total Vanadium (V)	ug/L				<0.20	0.20	A039825			
Dissolved Zinc (Zn)	ug/L				<0.10	0.10	A039822	<0.10	0.10	A039822
Total Zinc (Zn)	ug/L				0.21	0.10	A039825			
Total Zirconium (Zr)	ug/L				<0.10	0.10	A039825			
Dissolved Calcium (Ca)	mg/L				0.096	0.050	A039821			
Total Calcium (Ca)	mg/L				0.124	0.050	A039824			
Dissolved Magnesium (Mg)	mg/L				<0.050	0.050	A039821			
Total Magnesium (Mg)	mg/L				<0.050	0.050	A039824			
Dissolved Potassium (K)	mg/L				<0.050	0.050	A039821			
Total Potassium (K)	mg/L				<0.050	0.050	A039824			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



**BUREAU
VERITAS**

Bureau Veritas Job #: C5D0348
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
Sampler Initials: JG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		AWGU15			AWGU16			AWGU16		
Sampling Date		2025/10/12 06:40			2025/10/12 06:40			2025/10/12 06:40		
COC Number		1035559			1035559			1035559		
	UNITS	Port4-B Lab-Dup	RDL	QC Batch	Port-4-A-TB	RDL	QC Batch	Port-4-A-TB Lab-Dup	RDL	QC Batch
Dissolved Sodium (Na)	mg/L				<0.050	0.050	A039821			
Total Sodium (Na)	mg/L				<0.050	0.050	A039824			
Dissolved Sulphur (S)	mg/L				<3.0	3.0	A039821			
Total Sulphur (S)	mg/L				<3.0	3.0	A039824			
Dissolved Tellurium (Te)	ug/L				<0.020	0.020	A039822	<0.020	0.020	A039822
Total Tellurium (Te)	ug/L				<0.020	0.020	A039825			
RADIONUCLIDE										
Radium-226	Bq/L				<0.0050	0.0050	A039016			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU
VERITAS

Bureau Veritas Job #: C5D0348
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
Sampler Initials: JG

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		AWGU14	AWGU15	AWGU16		
Sampling Date		2025/10/12 06:40	2025/10/12 06:40	2025/10/12 06:40		
COC Number		1035559	1035559	1035559		
	UNITS	Port4-A	Port4-B	Port-4-A-TB	RDL	QC Batch
Calculated Parameters						
Total Hardness (CaCO3)	mg/L	772	790	<0.50	0.50	A039823
Metals						
Mercury (Hg)	mg/L	<0.00001	<0.00001	<0.00001	0.00001	A036200
Dissolved Mercury (Hg)	mg/L	<0.00001	<0.00001	<0.00001	0.00001	A036197
RDL = Reportable Detection Limit QC Batch = Quality Control Batch						



BUREAU
VERITAS

Bureau Veritas Job #: C5D0348
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
Sampler Initials: JG

TEST SUMMARY

Bureau Veritas ID: AWGU14
Sample ID: Port4-A
Matrix: Water

Collected: 2025/10/12
Shipped:
Received: 2025/10/15

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035081	N/A	2025/10/21	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk
Conductivity	AT	A035082	N/A	2025/10/21	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A034682	N/A	2025/10/20	Gyulshen Idriz
Fluoride	ISE	A035083	2025/10/18	2025/10/21	Surinder Rai
Dissolved Mercury (low level)	CV/AA	A036197	2025/10/21	2025/10/22	Gagandeep Rai
Mercury (low level)	CV/AA	A036200	2025/10/21	2025/10/22	Gagandeep Rai
Bromide in water by IC	IC/UV	A048259	N/A	2025/11/04	Ella Li
Low Level Chloride and Sulphate by AC	KONE	A045114	N/A	2025/10/22	Yan Lin
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	A048257	2025/10/21	2025/10/21	Ming Dong
Cyanide WAD (weak acid dissociable)	TECH	A038680	N/A	2025/10/21	Ming Dong
Free Cyanide	TECH/COL	A037060	N/A	2025/10/21	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	A039823	N/A	2025/10/24	Automated Statchk
Hardness (calculated as CaCO3)	CALC	A039626	N/A	2025/10/24	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	A039821	N/A	2025/10/24	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	A039822	N/A	2025/10/23	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	A039824	N/A	2025/10/24	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	A039825	N/A	2025/10/23	Andrew An
Ammonia-N Low Level	KONE/UVVS	A048258	N/A	2025/10/23	Isabelle White
Orthophosphate LL by Automated Analyzer	KONE	A048260	N/A	2025/10/23	Kristijan Kovac
Silica (Reactive)	KONE	A041912	N/A	2025/10/23	Marjolen Busslinger
Total Phosphorus Low Level Total	KONE	A038853	2025/10/22	2025/10/22	Brianna Chan
Total Ammonia (as NH3)	CALC	A034472	N/A	2025/11/07	Automated Statchk
Nitrate & Nitrite as Nitrogen in Water	LACH	A034989	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035084	2025/10/18	2025/10/21	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2025/10/16	Mark Ferrer
Radium-226 Low Level	AS	A039016	N/A	2025/10/28	Taran Preet Kaur
Total Dissolved Solids	BAL	A034998	2025/10/18	2025/10/20	Tina Teng
Field Measured pH	PH	ONSITE	N/A	2025/10/16	Mark Ferrer
Total Kjeldahl Nitrogen in Water	SKAL	A035751	2025/10/20	2025/10/22	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	A035747	N/A	2025/10/20	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	A035000	2025/10/18	2025/10/20	Tina Teng
Turbidity	AT	A034988	N/A	2025/10/18	Pinky joy JANABAN
Un-ionized Ammonia (as N)	CALC	A034473	2025/11/07	2025/11/07	Automated Statchk

Bureau Veritas ID: AWGU14 Dup
Sample ID: Port4-A
Matrix: Water

Collected: 2025/10/12
Shipped:
Received: 2025/10/15

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Silica (Reactive)	KONE	A041912	N/A	2025/10/23	Marjolen Busslinger



BUREAU
VERITAS

Bureau Veritas Job #: C5D0348
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
Sampler Initials: JG

TEST SUMMARY

Bureau Veritas ID: AWGU15
Sample ID: Port4-B
Matrix: Water

Collected: 2025/10/12
Shipped:
Received: 2025/10/15

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035081	N/A	2025/10/21	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk
Conductivity	AT	A035082	N/A	2025/10/21	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A034682	N/A	2025/10/20	Gyulshen Idriz
Fluoride	ISE	A035083	2025/10/18	2025/10/21	Surinder Rai
Dissolved Mercury (low level)	CV/AA	A036197	2025/10/21	2025/10/22	Gagandeep Rai
Mercury (low level)	CV/AA	A036200	2025/10/21	2025/10/22	Gagandeep Rai
Bromide in water by IC	IC/UV	A048262	N/A	2025/11/04	Ella Li
Low Level Chloride and Sulphate by AC	KONE	A045114	N/A	2025/10/22	Yan Lin
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	A038922	2025/10/22	2025/10/22	Ming Dong
Cyanide WAD (weak acid dissociable)	TECH	A041929	N/A	2025/10/22	Ming Dong
Free Cyanide	TECH/COL	A045115	N/A	2025/10/22	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	A039823	N/A	2025/10/24	Automated Statchk
Hardness (calculated as CaCO3)	CALC	A039626	N/A	2025/10/24	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	A039821	N/A	2025/10/24	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	A039822	N/A	2025/10/23	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	A039824	N/A	2025/10/24	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	A039825	N/A	2025/10/23	Andrew An
Ammonia-N Low Level	KONE/UVVS	A048258	N/A	2025/10/23	Isabelle White
Orthophosphate LL by Automated Analyzer	KONE	A048260	N/A	2025/10/23	Kristijan Kovac
Silica (Reactive)	KONE	A048261	N/A	2025/10/23	Marjolen Busslinger
Total Phosphorus Low Level Total	KONE	A038853	2025/10/22	2025/10/22	Brianna Chan
Total Ammonia (as NH3)	CALC	A034472	N/A	2025/11/07	Automated Statchk
Nitrate & Nitrite as Nitrogen in Water	LACH	A034989	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035084	2025/10/18	2025/10/21	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2025/10/16	Mark Ferrer
Radium-226 Low Level	AS	A039016	N/A	2025/10/28	Taran Preet Kaur
Total Dissolved Solids	BAL	A034998	2025/10/18	2025/10/20	Tina Teng
Field Measured pH	PH	ONSITE	N/A	2025/10/16	Mark Ferrer
Total Kjeldahl Nitrogen in Water	SKAL	A035751	2025/10/20	2025/10/22	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	A035747	N/A	2025/10/20	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	A035000	2025/10/18	2025/10/20	Tina Teng
Turbidity	AT	A034988	N/A	2025/10/18	Pinky joy JANABAN
Un-ionized Ammonia (as N)	CALC	A034473	2025/11/07	2025/11/07	Automated Statchk

Bureau Veritas ID: AWGU15 Dup
Sample ID: Port4-B
Matrix: Water

Collected: 2025/10/12
Shipped:
Received: 2025/10/15

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Low Level Chloride and Sulphate by AC	KONE	A045114	N/A	2025/10/22	Yan Lin
Silica (Reactive)	KONE	A048261	N/A	2025/10/23	Marjolen Busslinger
Total Kjeldahl Nitrogen in Water	SKAL	A035751	2025/10/20	2025/10/22	Rajni Tyagi



BUREAU
VERITAS

Bureau Veritas Job #: C5D0348
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
Sampler Initials: JG

TEST SUMMARY

Bureau Veritas ID: AWGU16
Sample ID: Port-4-A-TB
Matrix: Water

Collected: 2025/10/12
Shipped:
Received: 2025/10/15

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035081	N/A	2025/10/21	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk
Conductivity	AT	A035082	N/A	2025/10/21	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A034682	N/A	2025/10/20	Gyulshen Idriz
Fluoride	ISE	A035083	2025/10/18	2025/10/21	Surinder Rai
Dissolved Mercury (low level)	CV/AA	A036197	2025/10/21	2025/10/22	Gagandeep Rai
Mercury (low level)	CV/AA	A036200	2025/10/21	2025/10/22	Gagandeep Rai
Bromide in water by IC	IC/UV	A048262	N/A	2025/10/29	Ella Li
Low Level Chloride and Sulphate by AC	KONE	A045114	N/A	2025/10/22	Yan Lin
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	A038922	2025/10/22	2025/10/22	Ming Dong
Cyanide WAD (weak acid dissociable)	TECH	A041929	N/A	2025/10/22	Ming Dong
Free Cyanide	TECH/COL	A045115	N/A	2025/10/22	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	A039823	N/A	2025/10/24	Automated Statchk
Hardness (calculated as CaCO3)	CALC	A039626	N/A	2025/10/24	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	A039821	N/A	2025/10/24	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	A039822	N/A	2025/10/23	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	A039824	N/A	2025/10/24	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	A039825	N/A	2025/10/23	Andrew An
Ammonia-N Low Level	KONE/UVVS	A048258	N/A	2025/10/23	Isabelle White
Orthophosphate LL by Automated Analyzer	KONE	A048260	N/A	2025/10/23	Kristijan Kovac
Silica (Reactive)	KONE	A041912	N/A	2025/10/23	Marjolen Busslinger
Total Phosphorus Low Level Total	KONE	A038853	2025/10/22	2025/10/22	Brianna Chan
Total Ammonia (as NH3)	CALC	A034472	N/A	2025/11/07	Automated Statchk
Nitrate & Nitrite as Nitrogen in Water	LACH	A034989	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035084	2025/10/18	2025/10/21	Surinder Rai
Radium-226 Low Level	AS	A039016	N/A	2025/10/28	Taran Preet Kaur
Total Dissolved Solids	BAL	A034998	2025/10/18	2025/10/20	Tina Teng
Total Kjeldahl Nitrogen in Water	SKAL	A035751	2025/10/20	2025/10/22	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	A035747	N/A	2025/10/20	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	A035000	2025/10/18	2025/10/20	Tina Teng
Turbidity	AT	A034988	N/A	2025/10/18	Pinky joy JANABAN

Bureau Veritas ID: AWGU16 Dup
Sample ID: Port-4-A-TB
Matrix: Water

Collected: 2025/10/12
Shipped:
Received: 2025/10/15

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Elements by ICPMS Low Level (dissolved)	ICP/MS	A039822	N/A	2025/10/23	Andrew An



GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	8.3°C
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Samples received past hold time for turbidity analysis, proceeded with client consent.

Sample AWGU14 [Port4-A] : Sample was analyzed past method specified hold time for Orthophosphate LL by Automated Analyzer. Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised.

Sample AWGU15 [Port4-B] : Sample was analyzed past method specified hold time for Orthophosphate LL by Automated Analyzer. Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised.

Sample AWGU16 [Port-4-A-TB] : Sample was analyzed past method specified hold time for Orthophosphate LL by Automated Analyzer. Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised.

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C5D0348

Report Date: 2025/11/07

QUALITY ASSURANCE REPORT

Agnico Eagle

Site Location: Amaruq

Your P.O. #: 1533910

Sampler Initials: JG

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
A034682	Dissolved Organic Carbon	2025/10/20	92	80 - 120	97	80 - 120	<0.40	mg/L	3.7	20		
A034988	Turbidity	2025/10/18			96	80 - 120	<0.1	NTU	5.4	20		
A034989	Nitrate (N)	2025/10/19	99	80 - 120	99	80 - 120	<0.10	mg/L	NC	20		
A034989	Nitrite (N)	2025/10/19	105	80 - 120	104	80 - 120	<0.010	mg/L	NC	20		
A034998	Total Dissolved Solids	2025/10/20			102	80 - 120	<10	mg/L	5.3	20		
A035000	Total Suspended Solids	2025/10/20			99	80 - 120	<1	mg/L	12	20		
A035081	Alkalinity (Total as CaCO3)	2025/10/21			97	85 - 115	<1.0	mg/L	1.6	20		
A035082	Conductivity	2025/10/21			102	85 - 115	<0.002	mS/cm	0.83	10		
A035083	Fluoride (F-)	2025/10/21	96	80 - 120	98	80 - 120	<0.10	mg/L	12	20		
A035084	pH	2025/10/21			102	98 - 103			1.1	N/A		
A035747	Total Organic Carbon (TOC)	2025/10/20	93	80 - 120	94	80 - 120	<0.40	mg/L	0.61	20		
A035751	Total Kjeldahl Nitrogen (TKN)	2025/10/22	81	80 - 120	101	80 - 120	<0.10	mg/L	NC	20	103	80 - 120
A036197	Dissolved Mercury (Hg)	2025/10/22	96	75 - 125	97	80 - 120	<0.00001	mg/L	NC	20		
A036200	Mercury (Hg)	2025/10/22	95	75 - 125	97	80 - 120	<0.00001	mg/L	NC	20		
A037060	Free Cyanide	2025/10/21	101	80 - 120	102	80 - 120	<0.00050	mg/L				
A038680	Weak Acid Dissoc. Cyanide (CN)	2025/10/21	104	80 - 120	105	80 - 120	<0.00050	mg/L				
A038853	Total Phosphorus (P)	2025/10/22	97	80 - 120	96	80 - 120	<0.0010	mg/L			90	80 - 120
A038922	Strong Acid Dissoc. Cyanide (CN)	2025/10/22	100	80 - 120	102	80 - 120	<0.00050	mg/L				
A039016	Radium-226	2025/10/28			88	85 - 115	<0.0050	Bq/L	NC	N/A		
A039822	Dissolved Aluminum (Al)	2025/10/23	105	80 - 120	107	80 - 120	<0.50	ug/L	NC	20		
A039822	Dissolved Antimony (Sb)	2025/10/23	98	80 - 120	101	80 - 120	<0.020	ug/L	NC	20		
A039822	Dissolved Arsenic (As)	2025/10/23	102	80 - 120	103	80 - 120	<0.020	ug/L	NC	20		
A039822	Dissolved Barium (Ba)	2025/10/23	NC	80 - 120	104	80 - 120	<0.020	ug/L	12	20		
A039822	Dissolved Beryllium (Be)	2025/10/23	97	80 - 120	99	80 - 120	<0.010	ug/L	NC	20		
A039822	Dissolved Bismuth (Bi)	2025/10/23	95	80 - 120	99	80 - 120	<0.0050	ug/L	NC	20		
A039822	Dissolved Boron (B)	2025/10/23	98	80 - 120	97	80 - 120	<10	ug/L	NC	20		
A039822	Dissolved Cadmium (Cd)	2025/10/23	100	80 - 120	103	80 - 120	<0.0050	ug/L	NC	20		
A039822	Dissolved Chromium (Cr)	2025/10/23	99	80 - 120	99	80 - 120	<0.10	ug/L	NC	20		
A039822	Dissolved Cobalt (Co)	2025/10/23	92	80 - 120	93	80 - 120	<0.0050	ug/L	NC	20		
A039822	Dissolved Copper (Cu)	2025/10/23	93	80 - 120	97	80 - 120	<0.050	ug/L	NC	20		
A039822	Dissolved Iron (Fe)	2025/10/23	100	80 - 120	101	80 - 120	<1.0	ug/L	NC	20		
A039822	Dissolved Lead (Pb)	2025/10/23	94	80 - 120	98	80 - 120	<0.0050	ug/L	NC	20		



BUREAU
VERITAS

Bureau Veritas Job #: C5D0348

Report Date: 2025/11/07

QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle

Site Location: Amaruq

Your P.O. #: 1533910

Sampler Initials: JG

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
A039822	Dissolved Lithium (Li)	2025/10/23	97	80 - 120	99	80 - 120	<0.50	ug/L	NC	20		
A039822	Dissolved Manganese (Mn)	2025/10/23	98	80 - 120	99	80 - 120	<0.050	ug/L	NC	20		
A039822	Dissolved Molybdenum (Mo)	2025/10/23	104	80 - 120	103	80 - 120	<0.050	ug/L	NC	20		
A039822	Dissolved Nickel (Ni)	2025/10/23	95	80 - 120	97	80 - 120	<0.020	ug/L	NC	20		
A039822	Dissolved Selenium (Se)	2025/10/23	100	80 - 120	97	80 - 120	<0.040	ug/L	NC	20		
A039822	Dissolved Silicon (Si)	2025/10/23	NC	80 - 120	110	80 - 120	<50	ug/L	NC	20		
A039822	Dissolved Silver (Ag)	2025/10/23	98	80 - 120	98	80 - 120	<0.0050	ug/L	NC	20		
A039822	Dissolved Strontium (Sr)	2025/10/23	NC	80 - 120	107	80 - 120	<0.050	ug/L	NC	20		
A039822	Dissolved Tellurium (Te)	2025/10/23	99	80 - 120	107	80 - 120	<0.020	ug/L	NC	20		
A039822	Dissolved Thallium (Tl)	2025/10/23	97	80 - 120	99	80 - 120	<0.0020	ug/L	NC	20		
A039822	Dissolved Tin (Sn)	2025/10/23	97	80 - 120	103	80 - 120	<0.20	ug/L	NC	20		
A039822	Dissolved Titanium (Ti)	2025/10/23	99	80 - 120	100	80 - 120	<0.50	ug/L	NC	20		
A039822	Dissolved Uranium (U)	2025/10/23	110	80 - 120	110	80 - 120	<0.0020	ug/L	NC	20		
A039822	Dissolved Vanadium (V)	2025/10/23	101	80 - 120	100	80 - 120	<0.20	ug/L	NC	20		
A039822	Dissolved Zinc (Zn)	2025/10/23	96	80 - 120	101	80 - 120	<0.10	ug/L	NC	20		
A039825	Total Aluminum (Al)	2025/10/23	94	80 - 120	96	80 - 120	<0.50	ug/L				
A039825	Total Antimony (Sb)	2025/10/23	98	80 - 120	99	80 - 120	<0.020	ug/L				
A039825	Total Arsenic (As)	2025/10/23	102	80 - 120	104	80 - 120	<0.020	ug/L				
A039825	Total Barium (Ba)	2025/10/23	NC	80 - 120	100	80 - 120	<0.020	ug/L				
A039825	Total Beryllium (Be)	2025/10/23	102	80 - 120	104	80 - 120	<0.010	ug/L				
A039825	Total Bismuth (Bi)	2025/10/23	90	80 - 120	98	80 - 120	<0.0050	ug/L				
A039825	Total Boron (B)	2025/10/23	NC	80 - 120	106	80 - 120	<10	ug/L				
A039825	Total Cadmium (Cd)	2025/10/23	96	80 - 120	101	80 - 120	<0.0050	ug/L				
A039825	Total Chromium (Cr)	2025/10/23	92	80 - 120	99	80 - 120	<0.10	ug/L				
A039825	Total Cobalt (Co)	2025/10/23	86	80 - 120	94	80 - 120	<0.0050	ug/L				
A039825	Total Copper (Cu)	2025/10/23	86	80 - 120	98	80 - 120	<0.050	ug/L				
A039825	Total Iron (Fe)	2025/10/23	94	80 - 120	99	80 - 120	<1.0	ug/L				
A039825	Total Lead (Pb)	2025/10/23	91	80 - 120	96	80 - 120	<0.0050	ug/L				
A039825	Total Lithium (Li)	2025/10/23	94	80 - 120	100	80 - 120	<0.50	ug/L				
A039825	Total Manganese (Mn)	2025/10/23	88	80 - 120	97	80 - 120	<0.050	ug/L				
A039825	Total Molybdenum (Mo)	2025/10/23	104	80 - 120	100	80 - 120	<0.050	ug/L				
A039825	Total Nickel (Ni)	2025/10/23	88	80 - 120	99	80 - 120	<0.020	ug/L				



BUREAU
VERITAS

Bureau Veritas Job #: C5D0348

Report Date: 2025/11/07

QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle

Site Location: Amaruq

Your P.O. #: 1533910

Sampler Initials: JG

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
A039825	Total Selenium (Se)	2025/10/23	90	80 - 120	100	80 - 120	<0.040	ug/L				
A039825	Total Silicon (Si)	2025/10/23	99	80 - 120	102	80 - 120	<50	ug/L				
A039825	Total Silver (Ag)	2025/10/23	92	80 - 120	96	80 - 120	<0.0050	ug/L				
A039825	Total Strontium (Sr)	2025/10/23	NC	80 - 120	100	80 - 120	<0.050	ug/L				
A039825	Total Tellurium (Te)	2025/10/23	99	80 - 120	105	80 - 120	<0.020	ug/L				
A039825	Total Thallium (Tl)	2025/10/23	92	80 - 120	97	80 - 120	<0.0020	ug/L				
A039825	Total Tin (Sn)	2025/10/23	97	80 - 120	100	80 - 120	<0.20	ug/L				
A039825	Total Titanium (Ti)	2025/10/23	98	80 - 120	103	80 - 120	<0.50	ug/L				
A039825	Total Uranium (U)	2025/10/23	87	80 - 120	102	80 - 120	<0.0020	ug/L				
A039825	Total Vanadium (V)	2025/10/23	96	80 - 120	100	80 - 120	<0.20	ug/L				
A039825	Total Zinc (Zn)	2025/10/23	NC	80 - 120	102	80 - 120	<0.10	ug/L				
A039825	Total Zirconium (Zr)	2025/10/23	101	80 - 120	99	80 - 120	<0.10	ug/L				
A041912	Reactive Silica (SiO2)	2025/10/23	NC	80 - 120	103	80 - 120	<0.050	mg/L	4.7	20		
A041929	Weak Acid Dissoc. Cyanide (CN)	2025/10/22	105	80 - 120	103	80 - 120	<0.00050	mg/L				
A045114	Dissolved Chloride (Cl-)	2025/10/22	NC	80 - 120	104	80 - 120	<0.50	mg/L	1.3	20		
A045114	Dissolved Sulphate (SO4)	2025/10/22	101	80 - 120	102	80 - 120	<0.50	mg/L	NC	20		
A045115	Free Cyanide	2025/10/22	102	80 - 120	103	80 - 120	<0.00050	mg/L				
A048257	Strong Acid Dissoc. Cyanide (CN)	2025/10/21	100	80 - 120	101	80 - 120	<0.00050	mg/L				
A048258	Total Nitrogen (Ammonia Nitrogen)	2025/10/23	108	N/A	107	N/A	<0.0050	mg/L				
A048259	Dissolved Bromide (Br-)	2025/11/03	NC	80 - 120	109	80 - 120	<0.010	mg/L				
A048260	Orthophosphate (P)	2025/10/23	93	80 - 120	98	80 - 120	<0.0010	mg/L				
A048261	Reactive Silica (SiO2)	2025/10/23	NC	80 - 120	102	80 - 120	<0.050	mg/L	3.0	20		



BUREAU
VERITAS

Bureau Veritas Job #: C5D0348

Report Date: 2025/11/07

QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle

Site Location: Amaruq

Your P.O. #: 1533910

Sampler Initials: JG

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
A048262	Dissolved Bromide (Br-)	2025/10/29	98	80 - 120	103	80 - 120	<0.010	mg/L				

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference $\leq 2x$ RDL).



VALIDATION SIGNATURE PAGE

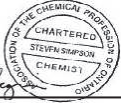
The analytical data and all QC contained in this report were reviewed and validated by:

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

David Huang

David Huang, BBY Scientific Specialist



Steven Simpson

Steven Simpson, BSc., MBA, C.Chem, Miss.-Kitimat, Lab Director

Sandy Yuan

Sandy Yuan, M.Sc., QP, Scientific Specialist

Suwan Fock

Suwan (Sze Yeung) Fock, B.Sc., Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.



Your P.O. #: 1533910
 Site Location: Amaruq
 Your C.O.C. #: 1035332

Attention: Reporting

Agnico Eagle
 Amaruq
 Amaruq
 Keewatin, NU
 CANADA POX 0A1

Report Date: 2025/11/07
 Report #: R8646596
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5C8428

Received: 2025/10/10, 11:20

Sample Matrix: Water
 # Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity (1)	3	N/A	2025/10/18	CAM SOP-00448	SM 24 2320 B m
Carbonate, Bicarbonate and Hydroxide (1)	3	N/A	2025/10/20	CAM SOP-00102	APHA 4500-CO2 D
Conductivity (1)	3	N/A	2025/10/18	CAM SOP-00414	SM 24 2510 m
Dissolved Organic Carbon (DOC) (1, 5)	2	N/A	2025/10/15	CAM SOP-00446	SM 24 5310 B m
Dissolved Organic Carbon (DOC) (1, 5)	1	N/A	2025/10/16	CAM SOP-00446	SM 24 5310 B m
Fluoride (1)	3	2025/10/17	2025/10/18	CAM SOP-00449	SM 24 4500-F C m
Dissolved Mercury (low level) (1)	3	2025/10/15	2025/10/16	CAM SOP-00453	EPA 7470 m
Mercury (low level) (1)	3	2025/10/15	2025/10/16	CAM SOP-00453	EPA 7470 m
Bromide in water by IC (2)	3	N/A	2025/10/17	AB SOP-00052	SM 24 4110 B m
Low Level Chloride and Sulphate by AC (2)	3	N/A	2025/10/17	AB SOP-00020	SM24-4500-Cl/SO4-E m
Cyanide, Strong Acid Dissociable (SAD) (2)	3	2025/10/17	2025/10/17	CAL SOP-00270	SM 24 4500-CN m
Cyanide WAD (weak acid dissociable) (2)	3	N/A	2025/10/17	CAL SOP-00270	SM 24 4500-CN m
Free Cyanide (2)	3	N/A	2025/10/17	CAL SOP-00270	Skalar I291-301w/r m
Hardness Total (calculated as CaCO3) (3, 6)	1	N/A	2025/10/17	BBY WI-00033	Auto Calc
Hardness Total (calculated as CaCO3) (3, 6)	1	N/A	2025/10/20	BBY WI-00033	Auto Calc
Hardness Total (calculated as CaCO3) (3, 6)	1	N/A	2025/10/21	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO3) (3)	3	N/A	2025/10/21	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (3)	3	N/A	2025/10/21	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (lab filter) (3, 7)	3	N/A	2025/10/21	BBY7SOP-00002	EPA 6020b R2 m
Elements by ICPMS Low Level (lab filter) (3, 7)	1	N/A	2025/10/22	BBY7SOP-00002	EPA 6020b R2 m
Elements by ICPMS Low Level (total) (3)	1	2025/10/20	2025/10/20	BBY7SOP-00003 / BBY7SOP-00002	EPA 6020b R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (3)	1	N/A	2025/10/17	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (total) (3)	1	N/A	2025/10/20	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (total) (3)	1	N/A	2025/10/21	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (total) (3)	2	N/A	2025/10/17	BBY7SOP-00002	EPA 6020b R2 m
Ammonia-N Low Level (2)	3	N/A	2025/10/19	AB SOP-00007	SM 24 4500 NH3 A G m
Orthophosphate LL by Automated Analyzer (2)	2	N/A	2025/10/17	AB SOP-00025	SM 24 4500-P A, F m
Orthophosphate LL by Automated Analyzer (2)	1	N/A	2025/10/19	AB SOP-00025	SM 24 4500-P A, F m
Silica (Reactive) (2)	3	N/A	2025/10/16	AB SOP-00011	EPA 370.1 R1978 m
Total Phosphorus Low Level Total (2)	3	2025/10/19	2025/10/20	AB SOP-00024	SM 24 4500-P A,B,F m



Your P.O. #: 1533910
 Site Location: Amaruq
 Your C.O.C. #: 1035332

Attention: Reporting

Agnico Eagle
 Amaruq
 Amaruq
 Keewatin, NU
 CANADA POX 0A1

Report Date: 2025/11/07
 Report #: R8646596
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5C8428

Received: 2025/10/10, 11:20

Sample Matrix: Water
 # Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Total Ammonia (as NH3) (1)	3	N/A	2025/10/27	Auto Calc.	
Nitrate & Nitrite as Nitrogen in Water (1, 8)	2	N/A	2025/10/16	CAM SOP-00440	SM 24 4500-NO3I/NO2B
Nitrate & Nitrite as Nitrogen in Water (1, 8)	1	N/A	2025/10/17	CAM SOP-00440	SM 24 4500-NO3I/NO2B
pH (1, 9)	2	2025/10/17	2025/10/18	CAM SOP-00413	SM 24th - 4500H+ B
pH (1, 9)	1	2025/10/17	2025/10/20	CAM SOP-00413	SM 24th - 4500H+ B
Field Measured pH (1, 10)	2	N/A	2025/10/11		Field pH Meter
Radium-226 Low Level (4, 11)	3	N/A	2025/10/26	BQL SOP-00006 BQL SOP-00017 BQL SOP-00032	Alpha Spectrometry
Total Dissolved Solids (1)	3	2025/10/14	2025/10/15	CAM SOP-00428	SM 24 2540C m
Field Temperature (1, 10)	2	N/A	2025/10/11		Field Thermometer
Total Kjeldahl Nitrogen in Water (1)	3	2025/10/16	2025/10/18	CAM SOP-00938	SM 4500-N B m
Total Organic Carbon (TOC) (1, 12)	3	N/A	2025/10/17	CAM SOP-00446	SM 24 5310B m
Low Level Total Suspended Solids (1)	3	2025/10/14	2025/10/15	CAM SOP-00428	SM 24 2540D m
Turbidity (1)	1	N/A	2025/10/16	CAM SOP-00417	SM 24 2130 B
Turbidity (1)	2	N/A	2025/10/17	CAM SOP-00417	SM 24 2130 B
Un-ionized Ammonia (as N) (1, 13)	2	2025/10/11	2025/10/27	Calculation	Calculation

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.



Your P.O. #: 1533910
Site Location: Amaruq
Your C.O.C. #: 1035332

Attention: Reporting

Agnico Eagle
Amaruq
Amaruq
Keewatin, NU
CANADA POX 0A1

Report Date: 2025/11/07
Report #: R8646596
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5C8428

Received: 2025/10/10, 11:20

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

- (1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
- (2) This test was performed by Bureau Veritas Calgary (19th), 4000 19th Street NE , Calgary, AB, T2E 6P8
- (3) This test was performed by Bureau Veritas Burnaby, 4606 Canada Way , Burnaby, BC, V5G 1K5
- (4) This test was performed by Bureau Veritas Kitimat, 6790 Kitimat Road, Unit 4 , Mississauga, ON, L5N 5L9
- (5) Dissolved Organic Carbon (DOC) present in the sample should be considered as non-purgeable DOC.
- (6) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).
- (7) Samples were filtered and preserved at the lab. Values may not reflect concentrations at the time of sampling.
- For Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.
- (8) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.
- (9) "The CCME method and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) requires pH to be analyzed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) holding time. Bureau Veritas endeavors to analyze samples as soon as possible after receipt."
- (10) This is a field test, therefore, the results relate to items that were not analysed at Bureau Veritas.
- (11) Radium-226 results have not been corrected for blanks.
- (12) Total Organic Carbon (TOC) present in the sample should be considered as non-purgeable TOC.
- (13) Un-ionized ammonia is calculated using the total ammonia result and field data provided by the client for pH and temperature.

Encryption Key

Katherine Szozda
Project Manager
07 Nov 2025 09:09:42

Please direct all questions regarding this Certificate of Analysis to:

Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.



BUREAU VERITAS

Bureau Veritas Job #: C5C8428
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
Sampler Initials: JG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		AWDC52			AWDC52			AWDC53		
Sampling Date		2025/10/07 07:20			2025/10/07 07:20			2025/10/07 07:20		
COC Number		1035332			1035332			1035332		
	UNITS	Port3-A	RDL	QC Batch	Port3-A Lab-Dup	RDL	QC Batch	Port3-B	RDL	QC Batch

CONVENTIONALS										
Total Nitrogen (Ammonia Nitrogen)	mg/L	0.031	0.0050	A037023				0.033	0.0050	A037023
Calculated Parameters										
Total Ammonia (as NH3)	mg/L	0.038	0.0061	A030651				0.040	0.0061	A030651
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	12	1.0	A030648				11	1.0	A030648
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	A030648				<1.0	1.0	A030648
Dissolved Hardness (CaCO3)	mg/L	928	0.50	A038020				972	0.50	A038020
Field Measurements										
Field Temperature	Celsius	3.8	N/A	ONSITE				3.8	N/A	ONSITE
Field Measured pH	pH	8.9		ONSITE				8.9		ONSITE
Inorganics										
Dissolved Bromide (Br-)	mg/L	12	0.10	A037018				12	0.10	A037018
Conductivity	mS/cm	3.56	0.002	A034130	3.55	0.002	A034130	3.55	0.002	A034130
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	A037020				<0.00050	0.00050	A037020
Weak Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	A037021				<0.00050	0.00050	A037021
Total Dissolved Solids	mg/L	2150	10	A031861				2190	10	A031861
Fluoride (F-)	mg/L	0.86	0.10	A034144	0.85	0.10	A034144	0.86	0.10	A034144
Free Cyanide	mg/L	<0.00050	0.00050	A037022				<0.00050	0.00050	A037022
Total Kjeldahl Nitrogen (TKN)	mg/L	<0.10	0.10	A033870				<0.10	0.10	A033870
Dissolved Organic Carbon	mg/L	270	0.40	A032467				290	0.40	A032742
Total Organic Carbon (TOC)	mg/L	250	0.40	A034340				250	0.40	A034340
Orthophosphate (P)	mg/L	0.0017	0.0010	A037019				<0.0050 (1)	0.0050	A037019
pH	pH	6.90		A034143	6.99		A034143	6.86		A034143
Total Phosphorus (P)	mg/L	<0.0010 (2)	0.0010	A035990				<0.0010	0.0010	A035990
Reactive Silica (SiO2)	mg/L	6.4	0.050	A036020				6.3	0.050	A036020
Total Suspended Solids	mg/L	2	1	A031928				3	1	A031928
Turbidity	NTU	0.4	0.1	A034146	0.4	0.1	A034146	1.1	0.1	A033632
Alkalinity (Total as CaCO3)	mg/L	12	1.0	A034142	12	1.0	A034142	11	1.0	A034142

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 Lab-Dup = Laboratory Initiated Duplicate
 N/A = Not Applicable
 (1) Detection limits raised due to matrix interference.
 (2) Total Phosphorus < Orthophosphate: Both values fall within the method uncertainty for duplicates and are likely equivalent.



BUREAU
VERITAS

Bureau Veritas Job #: C5C8428
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
Sampler Initials: JG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		AWDC52			AWDC52			AWDC53		
Sampling Date		2025/10/07 07:20			2025/10/07 07:20			2025/10/07 07:20		
COC Number		1035332			1035332			1035332		
	UNITS	Port3-A	RDL	QC Batch	Port3-A Lab-Dup	RDL	QC Batch	Port3-B	RDL	QC Batch
Dissolved Chloride (Cl-)	mg/L	1100	13	A036019				1100	13	A036019
Nitrite (N)	mg/L	<0.010	0.010	A033766				<0.010	0.010	A033921
Nitrate (N)	mg/L	<0.10	0.10	A033766				<0.10	0.10	A033921
Dissolved Sulphate (SO4)	mg/L	0.60	0.50	A036019				0.63	0.50	A036019
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	A033766				<0.10	0.10	A033921
Un-ionized Ammonia (as N)	mg/L	0.0025	0.00041	A030653				0.0027	0.00041	A030653
Metals										
Total Aluminum (Al)	ug/L	68.9	6.0	A037089				12.1	0.50	A035900
Total Antimony (Sb)	ug/L	0.257	0.040	A037089				0.307	0.020	A035900
Total Arsenic (As)	ug/L	0.751	0.040	A037089				0.871	0.020	A035900
Total Barium (Ba)	ug/L	33.7	0.10	A037089				45.8	0.020	A035900
Total Beryllium (Be)	ug/L	<0.020	0.020	A037089				<0.010	0.010	A035900
Total Bismuth (Bi)	ug/L	<0.020	0.020	A037089				<0.0050	0.0050	A035900
Total Boron (B)	ug/L	549	20	A037089				772	10	A035900
Total Cadmium (Cd)	ug/L	<0.010	0.010	A037089				<0.0050	0.0050	A035900
Total Chromium (Cr)	ug/L	1.82	0.20	A037089				1.24	0.10	A035900
Total Cobalt (Co)	ug/L	0.082	0.020	A037089				0.0222	0.0050	A035900
Total Copper (Cu)	ug/L	0.50	0.20	A037089				0.075	0.050	A035900
Total Iron (Fe)	ug/L	87	10	A037089				78.3	1.0	A035900
Total Lead (Pb)	ug/L	0.069	0.040	A037089				0.0335	0.0050	A035900
Total Lithium (Li)	ug/L	84.2	1.0	A037089				115	0.50	A035900
Total Manganese (Mn)	ug/L	5.40	0.20	A037089				6.22	0.050	A035900
Total Molybdenum (Mo)	ug/L	1.72	0.10	A037089				1.23	0.050	A035900
Total Nickel (Ni)	ug/L	1.74	0.20	A037089				0.955	0.020	A035900
Total Phosphorus (P)	ug/L	25	10	A037089						
Total Selenium (Se)	ug/L	<0.080	0.080	A037089				1.73	0.040	A035900
Total Silicon (Si)	ug/L	2330	100	A037089				3200	50	A035900
Total Silver (Ag)	ug/L	<0.020	0.020	A037089				<0.0050	0.0050	A035900
Total Strontium (Sr)	ug/L	4850	0.10	A037089				7010	0.050	A035900
Total Thallium (Tl)	ug/L	<0.0040	0.0040	A037089				0.0024	0.0020	A035900
Total Tin (Sn)	ug/L	<0.40	0.40	A037089				<0.20	0.20	A035900
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



**BUREAU
VERITAS**

Bureau Veritas Job #: C5C8428
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
Sampler Initials: JG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		AWDC52			AWDC52			AWDC53		
Sampling Date		2025/10/07 07:20			2025/10/07 07:20			2025/10/07 07:20		
COC Number		1035332			1035332			1035332		
	UNITS	Port3-A	RDL	QC Batch	Port3-A Lab-Dup	RDL	QC Batch	Port3-B	RDL	QC Batch
Total Titanium (Ti)	ug/L	<4.0	4.0	A037089				<0.50	0.50	A035900
Total Uranium (U)	ug/L	0.011	0.010	A037089				0.0025	0.0020	A035900
Total Vanadium (V)	ug/L	1.31	0.40	A037089				<0.20	0.20	A035900
Total Zinc (Zn)	ug/L	350	2.0	A037089				378	0.10	A035900
Total Zirconium (Zr)	ug/L	<0.20	0.20	A037089				<0.10	0.10	A035900
Dissolved Calcium (Ca)	mg/L	367	0.10	A038021				384	0.10	A038021
Total Calcium (Ca)	mg/L	271	0.50	A038019				383	0.050	A038019
Dissolved Magnesium (Mg)	mg/L	3.09	0.10	A038021				3.35	0.10	A038021
Total Magnesium (Mg)	mg/L	2.46	0.50	A038019				3.44	0.050	A038019
Dissolved Potassium (K)	mg/L	7.27	0.10	A038021				7.75	0.10	A038021
Total Potassium (K)	mg/L	5.84	0.50	A038019				7.79	0.050	A038019
Dissolved Sodium (Na)	mg/L	235	0.10	A038021				254	0.10	A038021
Total Sodium (Na)	mg/L	185	0.50	A038019				266	0.050	A038019
Dissolved Sulphur (S)	mg/L	<6.0	6.0	A038021				<6.0	6.0	A038021
Total Sulphur (S)	mg/L	<6.0	6.0	A038019				<3.0	3.0	A038019
Total Tellurium (Te)	ug/L							<0.020	0.020	A035900
RADIONUCLIDE										
Radium-226	Bq/L	0.14	0.0050	A037359				0.080	0.0050	A037359
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU
VERITAS

Bureau Veritas Job #: C5C8428
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
Sampler Initials: JG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		AWDC53			AWDC54			AWDC54		
Sampling Date		2025/10/07 07:20			2025/10/07 07:20			2025/10/07 07:20		
COC Number		1035332			1035332			1035332		
	UNITS	Port3-B Lab-Dup	RDL	QC Batch	Port-3-FB	RDL	QC Batch	Port-3-FB Lab-Dup	RDL	QC Batch
CONVENTIONALS										
Total Nitrogen (Ammonia Nitrogen)	mg/L				<0.0050	0.0050	A037023			
Calculated Parameters										
Total Ammonia (as NH3)	mg/L				<0.0061	0.0061	A030651			
Bicarb. Alkalinity (calc. as CaCO3)	mg/L				<1.0	1.0	A030648			
Carb. Alkalinity (calc. as CaCO3)	mg/L				<1.0	1.0	A030648			
Dissolved Hardness (CaCO3)	mg/L				<0.50	0.50	A038020			
Inorganics										
Dissolved Bromide (Br-)	mg/L				<0.010	0.010	A037018			
Conductivity	mS/cm				<0.002	0.002	A034130			
Strong Acid Dissoc. Cyanide (CN)	mg/L				<0.00050	0.00050	A037020			
Weak Acid Dissoc. Cyanide (CN)	mg/L				<0.00050	0.00050	A037021			
Total Dissolved Solids	mg/L				<10	10	A031861			
Fluoride (F-)	mg/L				<0.10	0.10	A034144			
Free Cyanide	mg/L				<0.00050	0.00050	A037022			
Total Kjeldahl Nitrogen (TKN)	mg/L				<0.10	0.10	A033870			
Dissolved Organic Carbon	mg/L	290	0.40	A032742	<0.40	0.40	A032467			
Total Organic Carbon (TOC)	mg/L				<0.40	0.40	A034340			
Orthophosphate (P)	mg/L				<0.0010	0.0010	A037019			
pH	pH				5.82		A034143			
Total Phosphorus (P)	mg/L				<0.0010	0.0010	A035990			
Reactive Silica (SiO2)	mg/L				0.11	0.050	A036020			
Total Suspended Solids	mg/L				<1	1	A031928			
Turbidity	NTU				<0.1	0.1	A034146			
Alkalinity (Total as CaCO3)	mg/L				<1.0	1.0	A034142			
Dissolved Chloride (Cl-)	mg/L				<0.50	0.50	A036019			
Nitrite (N)	mg/L	<0.010	0.010	A033921	<0.010	0.010	A033766			
Nitrate (N)	mg/L	<0.10	0.10	A033921	<0.10	0.10	A033766			
Dissolved Sulphate (SO4)	mg/L				<0.50	0.50	A036019			
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	A033921	<0.10	0.10	A033766			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU VERITAS

Bureau Veritas Job #: C5C8428
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Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
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RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		AWDC53			AWDC54			AWDC54		
Sampling Date		2025/10/07 07:20			2025/10/07 07:20			2025/10/07 07:20		
COC Number		1035332			1035332			1035332		
	UNITS	Port3-B Lab-Dup	RDL	QC Batch	Port-3-FB	RDL	QC Batch	Port-3-FB Lab-Dup	RDL	QC Batch

Metals										
Total Aluminum (Al)	ug/L				<0.50	0.50	A035900	0.73	0.50	A035900
Total Antimony (Sb)	ug/L				<0.020	0.020	A035900	<0.020	0.020	A035900
Total Arsenic (As)	ug/L				<0.020	0.020	A035900	<0.020	0.020	A035900
Total Barium (Ba)	ug/L				0.034	0.020	A035900	0.021	0.020	A035900
Total Beryllium (Be)	ug/L				<0.010	0.010	A035900	<0.010	0.010	A035900
Total Bismuth (Bi)	ug/L				<0.0050	0.0050	A035900	<0.0050	0.0050	A035900
Total Boron (B)	ug/L				<10	10	A035900	<10	10	A035900
Total Cadmium (Cd)	ug/L				<0.0050	0.0050	A035900	<0.0050	0.0050	A035900
Total Chromium (Cr)	ug/L				<0.10	0.10	A035900	<0.10	0.10	A035900
Total Cobalt (Co)	ug/L				<0.0050	0.0050	A035900	<0.0050	0.0050	A035900
Total Copper (Cu)	ug/L				<0.050	0.050	A035900	<0.050	0.050	A035900
Total Iron (Fe)	ug/L				<1.0	1.0	A035900	<1.0	1.0	A035900
Total Lead (Pb)	ug/L				<0.0050	0.0050	A035900	<0.0050	0.0050	A035900
Total Lithium (Li)	ug/L				<0.50	0.50	A035900	<0.50	0.50	A035900
Total Manganese (Mn)	ug/L				<0.050	0.050	A035900	<0.050	0.050	A035900
Total Molybdenum (Mo)	ug/L				<0.050	0.050	A035900	<0.050	0.050	A035900
Total Nickel (Ni)	ug/L				<0.020	0.020	A035900	<0.020	0.020	A035900
Total Selenium (Se)	ug/L				<0.040	0.040	A035900	<0.040	0.040	A035900
Total Silicon (Si)	ug/L				<50	50	A035900	<50	50	A035900
Total Silver (Ag)	ug/L				<0.0050	0.0050	A035900	<0.0050	0.0050	A035900
Total Strontium (Sr)	ug/L				<0.050	0.050	A035900	0.057	0.050	A035900
Total Thallium (Tl)	ug/L				<0.0020	0.0020	A035900	<0.0020	0.0020	A035900
Total Tin (Sn)	ug/L				<0.20	0.20	A035900	<0.20	0.20	A035900
Total Titanium (Ti)	ug/L				<0.50	0.50	A035900	<0.50	0.50	A035900
Total Uranium (U)	ug/L				<0.0020	0.0020	A035900	<0.0020	0.0020	A035900
Total Vanadium (V)	ug/L				<0.20	0.20	A035900	<0.20	0.20	A035900
Total Zinc (Zn)	ug/L				0.11	0.10	A035900	0.12	0.10	A035900
Total Zirconium (Zr)	ug/L				<0.10	0.10	A035900	<0.10	0.10	A035900
Dissolved Calcium (Ca)	mg/L				0.080	0.050	A038021			
Total Calcium (Ca)	mg/L				<0.050	0.050	A038025			

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU
VERITAS

Bureau Veritas Job #: C5C8428
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
Sampler Initials: JG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		AWDC53			AWDC54			AWDC54		
Sampling Date		2025/10/07 07:20			2025/10/07 07:20			2025/10/07 07:20		
COC Number		1035332			1035332			1035332		
	UNITS	Port3-B Lab-Dup	RDL	QC Batch	Port-3-FB	RDL	QC Batch	Port-3-FB Lab-Dup	RDL	QC Batch
Dissolved Magnesium (Mg)	mg/L				<0.050	0.050	A038021			
Total Magnesium (Mg)	mg/L				<0.050	0.050	A038025			
Dissolved Potassium (K)	mg/L				<0.050	0.050	A038021			
Total Potassium (K)	mg/L				<0.050	0.050	A038025			
Dissolved Sodium (Na)	mg/L				<0.050	0.050	A038021			
Total Sodium (Na)	mg/L				<0.050	0.050	A038025			
Dissolved Sulphur (S)	mg/L				<3.0	3.0	A038021			
Total Sulphur (S)	mg/L				<3.0	3.0	A038025			
Total Tellurium (Te)	ug/L				<0.020	0.020	A035900	<0.020	0.020	A035900
RADIONUCLIDE										
Radium-226	Bq/L				<0.0050	0.0050	A037359			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU VERITAS

Bureau Veritas Job #: C5C8428
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
Sampler Initials: JG

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		AWDC52		AWDC53			AWDC53		
Sampling Date		2025/10/07 07:20		2025/10/07 07:20			2025/10/07 07:20		
COC Number		1035332		1035332			1035332		
	UNITS	Port3-A	QC Batch	Port3-B	RDL	QC Batch	Port3-B Lab-Dup	RDL	QC Batch

Calculated Parameters

Total Hardness (CaCO3)	mg/L	688	A037886	969	0.50	A037886			
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Metals

Mercury (Hg)	mg/L	<0.00001	A032262	<0.00001	0.00001	A032732	<0.00001	0.00001	A032732
Dissolved Mercury (Hg)	mg/L	<0.00001	A032213	<0.00001	0.00001	A032213			
Dissolved Aluminum (Al)	ug/L	8.1	A038022	8.5	1.0	A038022			
Dissolved Antimony (Sb)	ug/L	0.275	A038022	0.282	0.040	A038022			
Dissolved Arsenic (As)	ug/L	0.638	A038022	0.699	0.040	A038022			
Dissolved Barium (Ba)	ug/L	42.8	A038022	45.9	0.040	A038022			
Dissolved Beryllium (Be)	ug/L	<0.020	A038022	<0.020	0.020	A038022			
Dissolved Bismuth (Bi)	ug/L	<0.010	A038022	<0.010	0.010	A038022			
Dissolved Boron (B)	ug/L	672	A038022	745	20	A038022			
Dissolved Cadmium (Cd)	ug/L	<0.010	A038022	<0.010	0.010	A038022			
Dissolved Chromium (Cr)	ug/L	<0.20	A038022	<0.20	0.20	A038022			
Dissolved Cobalt (Co)	ug/L	<0.010	A038022	<0.010	0.010	A038022			
Dissolved Copper (Cu)	ug/L	<0.10	A038022	<0.10	0.10	A038022			
Dissolved Iron (Fe)	ug/L	<2.0	A038022	<2.0	2.0	A038022			
Dissolved Lead (Pb)	ug/L	<0.010	A038022	<0.010	0.010	A038022			
Dissolved Lithium (Li)	ug/L	123	A038023	122	1.0	A038022			
Dissolved Manganese (Mn)	ug/L	5.57	A038022	6.01	0.10	A038022			
Dissolved Molybdenum (Mo)	ug/L	0.91	A038022	1.03	0.10	A038022			
Dissolved Nickel (Ni)	ug/L	0.135	A038022	0.150	0.040	A038022			
Dissolved Selenium (Se)	ug/L	<0.080	A038022	<0.080	0.080	A038022			
Dissolved Silicon (Si)	ug/L	2890	A038022	3060	100	A038022			
Dissolved Silver (Ag)	ug/L	<0.010	A038022	<0.010	0.010	A038022			
Dissolved Strontium (Sr)	ug/L	6440	A038022	6810	0.10	A038022			
Dissolved Tellurium (Te)	ug/L	<0.040	A038022	<0.040	0.040	A038022			
Dissolved Thallium (Tl)	ug/L	<0.0040	A038022	<0.0040	0.0040	A038022			
Dissolved Tin (Sn)	ug/L	<0.40	A038022	<0.40	0.40	A038022			
Dissolved Titanium (Ti)	ug/L	<1.0	A038022	<1.0	1.0	A038022			
Dissolved Uranium (U)	ug/L	<0.0040	A038022	<0.0040	0.0040	A038022			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate



BUREAU
VERITAS

Bureau Veritas Job #: C5C8428
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
Sampler Initials: JG

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		AWDC52		AWDC53			AWDC53		
Sampling Date		2025/10/07 07:20		2025/10/07 07:20			2025/10/07 07:20		
COC Number		1035332		1035332			1035332		
	UNITS	Port3-A	QC Batch	Port3-B	RDL	QC Batch	Port3-B Lab-Dup	RDL	QC Batch
Dissolved Vanadium (V)	ug/L	<0.40	A038022	<0.40	0.40	A038022			
Dissolved Zinc (Zn)	ug/L	97.7	A038022	82.0	0.20	A038022			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate									



BUREAU
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Agnico Eagle
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ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		AWDC54		
Sampling Date		2025/10/07 07:20		
COC Number		1035332		
	UNITS	Port-3-FB	RDL	QC Batch
Calculated Parameters				
Total Hardness (CaCO3)	mg/L	<0.50	0.50	A037886
Metals				
Mercury (Hg)	mg/L	<0.00001	0.00001	A032262
Dissolved Mercury (Hg)	mg/L	<0.00001	0.00001	A032213
Dissolved Aluminum (Al)	ug/L	<0.50	0.50	A038022
Dissolved Antimony (Sb)	ug/L	<0.020	0.020	A038022
Dissolved Arsenic (As)	ug/L	<0.020	0.020	A038022
Dissolved Barium (Ba)	ug/L	<0.020	0.020	A038022
Dissolved Beryllium (Be)	ug/L	<0.010	0.010	A038022
Dissolved Bismuth (Bi)	ug/L	<0.0050	0.0050	A038022
Dissolved Boron (B)	ug/L	<10	10	A038022
Dissolved Cadmium (Cd)	ug/L	<0.0050	0.0050	A038022
Dissolved Chromium (Cr)	ug/L	<0.10	0.10	A038022
Dissolved Cobalt (Co)	ug/L	<0.0050	0.0050	A038022
Dissolved Copper (Cu)	ug/L	<0.050	0.050	A038022
Dissolved Iron (Fe)	ug/L	<1.0	1.0	A038022
Dissolved Lead (Pb)	ug/L	<0.0050	0.0050	A038022
Dissolved Lithium (Li)	ug/L	<0.50	0.50	A038022
Dissolved Manganese (Mn)	ug/L	<0.050	0.050	A038022
Dissolved Molybdenum (Mo)	ug/L	<0.050	0.050	A038022
Dissolved Nickel (Ni)	ug/L	<0.020	0.020	A038022
Dissolved Selenium (Se)	ug/L	<0.040	0.040	A038022
Dissolved Silicon (Si)	ug/L	<50	50	A038022
Dissolved Silver (Ag)	ug/L	<0.0050	0.0050	A038022
Dissolved Strontium (Sr)	ug/L	<0.050	0.050	A038022
Dissolved Tellurium (Te)	ug/L	<0.020	0.020	A038022
Dissolved Thallium (Tl)	ug/L	<0.0020	0.0020	A038022
Dissolved Tin (Sn)	ug/L	<0.20	0.20	A038022
Dissolved Titanium (Ti)	ug/L	<0.50	0.50	A038022
Dissolved Uranium (U)	ug/L	<0.0020	0.0020	A038022
Dissolved Vanadium (V)	ug/L	<0.20	0.20	A038022
RDL = Reportable Detection Limit QC Batch = Quality Control Batch				



**BUREAU
VERITAS**

Bureau Veritas Job #: C5C8428
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Site Location: Amaruq
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Sampler Initials: JG

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		AWDC54		
Sampling Date		2025/10/07 07:20		
COC Number		1035332		
	UNITS	Port-3-FB	RDL	QC Batch
Dissolved Zinc (Zn)	ug/L	0.10	0.10	A038022
RDL = Reportable Detection Limit QC Batch = Quality Control Batch				



BUREAU
VERITAS

Bureau Veritas Job #: C5C8428
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
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Sampler Initials: JG

TEST SUMMARY

Bureau Veritas ID: AWDC52
Sample ID: Port3-A
Matrix: Water

Collected: 2025/10/07
Shipped:
Received: 2025/10/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A034142	N/A	2025/10/18	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	A030648	N/A	2025/10/20	Automated Statchk
Conductivity	AT	A034130	N/A	2025/10/18	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A032467	N/A	2025/10/15	Gyulshen Idriz
Fluoride	ISE	A034144	2025/10/17	2025/10/18	Nachiketa Gohil
Dissolved Mercury (low level)	CV/AA	A032213	2025/10/15	2025/10/16	Maitri PATIL
Mercury (low level)	CV/AA	A032262	2025/10/15	2025/10/16	Maitri PATIL
Bromide in water by IC	IC/UV	A037018	N/A	2025/10/17	Ella Li
Low Level Chloride and Sulphate by AC	KONE	A036019	N/A	2025/10/17	Yan Lin
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	A037020	2025/10/17	2025/10/17	Ming Dong
Cyanide WAD (weak acid dissociable)	TECH	A037021	N/A	2025/10/17	Ming Dong
Free Cyanide	TECH/COL	A037022	N/A	2025/10/17	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	A037886	N/A	2025/10/21	Automated Statchk
Hardness (calculated as CaCO3)	CALC	A038020	N/A	2025/10/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	A038021	N/A	2025/10/21	Automated Statchk
Elements by ICPMS Low Level (lab filter)	ICP/MS	A038023	N/A	2025/10/22	Andrew An
Elements by ICPMS Low Level (total)	ICP/MS	A037089	2025/10/20	2025/10/20	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	A038019	N/A	2025/10/21	Automated Statchk
Ammonia-N Low Level	KONE/UVVS	A037023	N/A	2025/10/19	Isabelle White
Orthophosphate LL by Automated Analyzer	KONE	A037019	N/A	2025/10/17	Kristijan Kovac
Silica (Reactive)	KONE	A036020	N/A	2025/10/16	Marjolen Busslinger
Total Phosphorus Low Level Total	KONE	A035990	2025/10/19	2025/10/20	Mary Anne Dela Cruz
Total Ammonia (as NH3)	CALC	A030651	N/A	2025/10/27	Automated Statchk
Nitrate & Nitrite as Nitrogen in Water	LACH	A033766	N/A	2025/10/16	Chandra Nandlal
pH	AT	A034143	2025/10/17	2025/10/20	Nachiketa Gohil
Field Measured pH	PH	ONSITE	N/A	2025/10/11	Kunj Kumar Yogendrabhai Patel
Radium-226 Low Level	AS	A037359	N/A	2025/10/26	Taran Preet Kaur
Total Dissolved Solids	BAL	A031861	2025/10/14	2025/10/15	Manowalage shanika GUNASEKARA
Field Measured pH	PH	ONSITE	N/A	2025/10/11	Kunj Kumar Yogendrabhai Patel
Total Kjeldahl Nitrogen in Water	SKAL	A033870	2025/10/16	2025/10/18	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	A034340	N/A	2025/10/17	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	A031928	2025/10/14	2025/10/15	Manowalage shanika GUNASEKARA
Turbidity	AT	A034146	N/A	2025/10/17	Pinky joy JANABAN
Un-ionized Ammonia (as N)	CALC	A030653	2025/10/27	2025/10/27	Automated Statchk

Bureau Veritas ID: AWDC52 Dup
Sample ID: Port3-A
Matrix: Water

Collected: 2025/10/07
Shipped:
Received: 2025/10/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A034142	N/A	2025/10/18	Nachiketa Gohil
Conductivity	AT	A034130	N/A	2025/10/18	Nachiketa Gohil
Fluoride	ISE	A034144	2025/10/17	2025/10/18	Nachiketa Gohil
pH	AT	A034143	2025/10/17	2025/10/20	Nachiketa Gohil
Turbidity	AT	A034146	N/A	2025/10/17	Pinky joy JANABAN



BUREAU
VERITAS

Bureau Veritas Job #: C5C8428
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
Sampler Initials: JG

TEST SUMMARY

Bureau Veritas ID: AWDC53
Sample ID: Port3-B
Matrix: Water

Collected: 2025/10/07
Shipped:
Received: 2025/10/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A034142	N/A	2025/10/18	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	A030648	N/A	2025/10/20	Automated Statchk
Conductivity	AT	A034130	N/A	2025/10/18	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A032742	N/A	2025/10/16	Gyulshen Idriz
Fluoride	ISE	A034144	2025/10/17	2025/10/18	Nachiketa Gohil
Dissolved Mercury (low level)	CV/AA	A032213	2025/10/15	2025/10/16	Maitri PATIL
Mercury (low level)	CV/AA	A032732	2025/10/15	2025/10/16	Maitri PATIL
Bromide in water by IC	IC/UV	A037018	N/A	2025/10/17	Ella Li
Low Level Chloride and Sulphate by AC	KONE	A036019	N/A	2025/10/17	Yan Lin
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	A037020	2025/10/17	2025/10/17	Ming Dong
Cyanide WAD (weak acid dissociable)	TECH	A037021	N/A	2025/10/17	Ming Dong
Free Cyanide	TECH/COL	A037022	N/A	2025/10/17	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	A037886	N/A	2025/10/20	Automated Statchk
Hardness (calculated as CaCO3)	CALC	A038020	N/A	2025/10/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	A038021	N/A	2025/10/21	Automated Statchk
Elements by ICPMS Low Level (lab filter)	ICP/MS	A038022	N/A	2025/10/21	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	A038019	N/A	2025/10/20	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	A035900	N/A	2025/10/17	Andrew An
Ammonia-N Low Level	KONE/UVVS	A037023	N/A	2025/10/19	Isabelle White
Orthophosphate LL by Automated Analyzer	KONE	A037019	N/A	2025/10/19	Kristijan Kovac
Silica (Reactive)	KONE	A036020	N/A	2025/10/16	Marjolen Busslinger
Total Phosphorus Low Level Total	KONE	A035990	2025/10/19	2025/10/20	Mary Anne Dela Cruz
Total Ammonia (as NH3)	CALC	A030651	N/A	2025/10/27	Automated Statchk
Nitrate & Nitrite as Nitrogen in Water	LACH	A033921	N/A	2025/10/17	Chandra Nandlal
pH	AT	A034143	2025/10/17	2025/10/18	Nachiketa Gohil
Field Measured pH	PH	ONSITE	N/A	2025/10/11	Kunj Kumar Yogendrabhai Patel
Radium-226 Low Level	AS	A037359	N/A	2025/10/26	Taran Preet Kaur
Total Dissolved Solids	BAL	A031861	2025/10/14	2025/10/15	Manowalage shanika GUNASEKARA
Field Measured pH	PH	ONSITE	N/A	2025/10/11	Kunj Kumar Yogendrabhai Patel
Total Kjeldahl Nitrogen in Water	SKAL	A033870	2025/10/16	2025/10/18	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	A034340	N/A	2025/10/17	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	A031928	2025/10/14	2025/10/15	Manowalage shanika GUNASEKARA
Turbidity	AT	A033632	N/A	2025/10/16	Pinky joy JANABAN
Un-ionized Ammonia (as N)	CALC	A030653	2025/10/27	2025/10/27	Automated Statchk

Bureau Veritas ID: AWDC53 Dup
Sample ID: Port3-B
Matrix: Water

Collected: 2025/10/07
Shipped:
Received: 2025/10/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A032742	N/A	2025/10/16	Gyulshen Idriz
Mercury (low level)	CV/AA	A032732	2025/10/15	2025/10/16	Maitri PATIL
Nitrate & Nitrite as Nitrogen in Water	LACH	A033921	N/A	2025/10/17	Chandra Nandlal



BUREAU
VERITAS

Bureau Veritas Job #: C5C8428
Report Date: 2025/11/07

Agnico Eagle
Site Location: Amaruq
Your P.O. #: 1533910
Sampler Initials: JG

TEST SUMMARY

Bureau Veritas ID: AWDC54
Sample ID: Port-3-FB
Matrix: Water

Collected: 2025/10/07
Shipped:
Received: 2025/10/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A034142	N/A	2025/10/18	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	A030648	N/A	2025/10/20	Automated Statchk
Conductivity	AT	A034130	N/A	2025/10/18	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A032467	N/A	2025/10/15	Gyulshen Idriz
Fluoride	ISE	A034144	2025/10/17	2025/10/18	Nachiketa Gohil
Dissolved Mercury (low level)	CV/AA	A032213	2025/10/15	2025/10/16	Maitri PATIL
Mercury (low level)	CV/AA	A032262	2025/10/15	2025/10/16	Maitri PATIL
Bromide in water by IC	IC/UV	A037018	N/A	2025/10/17	Ella Li
Low Level Chloride and Sulphate by AC	KONE	A036019	N/A	2025/10/17	Yan Lin
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	A037020	2025/10/17	2025/10/17	Ming Dong
Cyanide WAD (weak acid dissociable)	TECH	A037021	N/A	2025/10/17	Ming Dong
Free Cyanide	TECH/COL	A037022	N/A	2025/10/17	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	A037886	N/A	2025/10/17	Automated Statchk
Hardness (calculated as CaCO3)	CALC	A038020	N/A	2025/10/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	A038021	N/A	2025/10/21	Automated Statchk
Elements by ICPMS Low Level (lab filter)	ICP/MS	A038022	N/A	2025/10/21	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	A038025	N/A	2025/10/17	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	A035900	N/A	2025/10/17	Andrew An
Ammonia-N Low Level	KONE/UVVS	A037023	N/A	2025/10/19	Isabelle White
Orthophosphate LL by Automated Analyzer	KONE	A037019	N/A	2025/10/17	Kristijan Kovac
Silica (Reactive)	KONE	A036020	N/A	2025/10/16	Marjolen Busslinger
Total Phosphorus Low Level Total	KONE	A035990	2025/10/19	2025/10/20	Mary Anne Dela Cruz
Total Ammonia (as NH3)	CALC	A030651	N/A	2025/10/27	Automated Statchk
Nitrate & Nitrite as Nitrogen in Water	LACH	A033766	N/A	2025/10/16	Chandra Nandlal
pH	AT	A034143	2025/10/17	2025/10/18	Nachiketa Gohil
Radium-226 Low Level	AS	A037359	N/A	2025/10/26	Taran Preet Kaur
Total Dissolved Solids	BAL	A031861	2025/10/14	2025/10/15	Manowalage shanika GUNASEKARA
Total Kjeldahl Nitrogen in Water	SKAL	A033870	2025/10/16	2025/10/18	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	A034340	N/A	2025/10/17	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	A031928	2025/10/14	2025/10/15	Manowalage shanika GUNASEKARA
Turbidity	AT	A034146	N/A	2025/10/17	Pinky joy JANABAN

Bureau Veritas ID: AWDC54 Dup
Sample ID: Port-3-FB
Matrix: Water

Collected: 2025/10/07
Shipped:
Received: 2025/10/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Elements by ICPMS Low Level (total)	ICP/MS	A035900	N/A	2025/10/17	Andrew An



GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	9.7°C
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Samples received past hold time for turbidity analysis, proceeded with client consent.

Sample AWDC52 [Port3-A] : TOC< DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent. Sample was analyzed past method specified hold time for Orthophosphate LL by Automated Analyzer. Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised.

Sample AWDC53 [Port3-B] : TOC< DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent. Sample was analyzed past method specified hold time for Orthophosphate LL by Automated Analyzer. Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised.

Sample AWDC54 [Port-3-FB] : Sample was analyzed past method specified hold time for Orthophosphate LL by Automated Analyzer. Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised.

Sample AWDC52, Elements by ICPMS Low Level (lab filter): Test repeated.

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C5C8428

Report Date: 2025/11/07

QUALITY ASSURANCE REPORT

Agnico Eagle

Site Location: Amaruq

Your P.O. #: 1533910

Sampler Initials: JG

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
A031861	Total Dissolved Solids	2025/10/15			97	80 - 120	<10	mg/L	0.34	20		
A031928	Total Suspended Solids	2025/10/15			97	80 - 120	<1	mg/L	NC	20		
A032213	Dissolved Mercury (Hg)	2025/10/16	94	75 - 125	92	80 - 120	<0.00001	mg/L	NC	20		
A032262	Mercury (Hg)	2025/10/16	95	75 - 125	94	80 - 120	<0.00001	mg/L	NC	20		
A032467	Dissolved Organic Carbon	2025/10/15	91	80 - 120	97	80 - 120	<0.40	mg/L	1.6	20		
A032732	Mercury (Hg)	2025/10/16	85	75 - 125	94	80 - 120	<0.00001	mg/L	NC	20		
A032742	Dissolved Organic Carbon	2025/10/16	NC	80 - 120	96	80 - 120	<0.40	mg/L	0.49	20		
A033632	Turbidity	2025/10/16			100	80 - 120	<0.1	NTU	1.2	20		
A033766	Nitrate (N)	2025/10/16	96	80 - 120	97	80 - 120	<0.10	mg/L	0.17	20		
A033766	Nitrite (N)	2025/10/16	104	80 - 120	105	80 - 120	<0.010	mg/L	NC	20		
A033870	Total Kjeldahl Nitrogen (TKN)	2025/10/18	96	80 - 120	103	80 - 120	<0.10	mg/L	NC	20	106	80 - 120
A033921	Nitrate (N)	2025/10/17	94	80 - 120	97	80 - 120	<0.10	mg/L	NC	20		
A033921	Nitrite (N)	2025/10/17	101	80 - 120	104	80 - 120	<0.010	mg/L	NC	20		
A034130	Conductivity	2025/10/18			101	85 - 115	<0.002	mS/cm	0.29	10		
A034142	Alkalinity (Total as CaCO3)	2025/10/18			96	85 - 115	<1.0	mg/L	2.0	20		
A034143	pH	2025/10/20			102	98 - 103			1.3	N/A		
A034144	Fluoride (F-)	2025/10/18	93	80 - 120	102	80 - 120	<0.10	mg/L	1.4	20		
A034146	Turbidity	2025/10/17			96	80 - 120	<0.1	NTU	0	20		
A034340	Total Organic Carbon (TOC)	2025/10/17	92	80 - 120	97	80 - 120	<0.40	mg/L	0	20		
A035900	Total Aluminum (Al)	2025/10/17	107	80 - 120	102	80 - 120	<0.50	ug/L	NC	20		
A035900	Total Antimony (Sb)	2025/10/17	101	80 - 120	100	80 - 120	<0.020	ug/L	NC	20		
A035900	Total Arsenic (As)	2025/10/17	104	80 - 120	101	80 - 120	<0.020	ug/L	NC	20		
A035900	Total Barium (Ba)	2025/10/17	103	80 - 120	100	80 - 120	<0.020	ug/L	NC	20		
A035900	Total Beryllium (Be)	2025/10/17	108	80 - 120	104	80 - 120	<0.010	ug/L	NC	20		
A035900	Total Bismuth (Bi)	2025/10/17	97	80 - 120	96	80 - 120	<0.0050	ug/L	NC	20		
A035900	Total Boron (B)	2025/10/17	115	80 - 120	109	80 - 120	<10	ug/L	NC	20		
A035900	Total Cadmium (Cd)	2025/10/17	101	80 - 120	99	80 - 120	<0.0050	ug/L	NC	20		
A035900	Total Chromium (Cr)	2025/10/17	101	80 - 120	99	80 - 120	<0.10	ug/L	NC	20		
A035900	Total Cobalt (Co)	2025/10/17	96	80 - 120	92	80 - 120	<0.0050	ug/L	NC	20		
A035900	Total Copper (Cu)	2025/10/17	96	80 - 120	96	80 - 120	<0.050	ug/L	NC	20		
A035900	Total Iron (Fe)	2025/10/17	101	80 - 120	100	80 - 120	<1.0	ug/L	NC	20		
A035900	Total Lead (Pb)	2025/10/17	98	80 - 120	98	80 - 120	<0.0050	ug/L	NC	20		



BUREAU
VERITAS

Bureau Veritas Job #: C5C8428

Report Date: 2025/11/07

QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle

Site Location: Amaruq

Your P.O. #: 1533910

Sampler Initials: JG

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
A035900	Total Lithium (Li)	2025/10/17	102	80 - 120	102	80 - 120	<0.50	ug/L	NC	20		
A035900	Total Manganese (Mn)	2025/10/17	102	80 - 120	99	80 - 120	<0.050	ug/L	NC	20		
A035900	Total Molybdenum (Mo)	2025/10/17	102	80 - 120	99	80 - 120	<0.050	ug/L	NC	20		
A035900	Total Nickel (Ni)	2025/10/17	100	80 - 120	97	80 - 120	<0.020	ug/L	NC	20		
A035900	Total Selenium (Se)	2025/10/17	101	80 - 120	99	80 - 120	<0.040	ug/L	NC	20		
A035900	Total Silicon (Si)	2025/10/17	108	80 - 120	106	80 - 120	<50	ug/L	NC	20		
A035900	Total Silver (Ag)	2025/10/17	97	80 - 120	95	80 - 120	<0.0050	ug/L	NC	20		
A035900	Total Strontium (Sr)	2025/10/17	105	80 - 120	102	80 - 120	<0.050	ug/L	12	20		
A035900	Total Tellurium (Te)	2025/10/17	101	80 - 120	100	80 - 120	<0.020	ug/L	NC	20		
A035900	Total Thallium (Tl)	2025/10/17	97	80 - 120	95	80 - 120	<0.0020	ug/L	NC	20		
A035900	Total Tin (Sn)	2025/10/17	100	80 - 120	101	80 - 120	<0.20	ug/L	NC	20		
A035900	Total Titanium (Ti)	2025/10/17	103	80 - 120	100	80 - 120	<0.50	ug/L	NC	20		
A035900	Total Uranium (U)	2025/10/17	103	80 - 120	102	80 - 120	<0.0020	ug/L	NC	20		
A035900	Total Vanadium (V)	2025/10/17	102	80 - 120	97	80 - 120	<0.20	ug/L	NC	20		
A035900	Total Zinc (Zn)	2025/10/17	101	80 - 120	110	80 - 120	<0.10	ug/L	3.7	20		
A035900	Total Zirconium (Zr)	2025/10/17	105	80 - 120	99	80 - 120	<0.10	ug/L	NC	20		
A035990	Total Phosphorus (P)	2025/10/20	NC	80 - 120	96	80 - 120	<0.0010	mg/L			91	80 - 120
A036019	Dissolved Chloride (Cl-)	2025/10/17	NC	80 - 120	99	80 - 120	<0.50	mg/L				
A036019	Dissolved Sulphate (SO4)	2025/10/17	106	80 - 120	101	80 - 120	<0.50	mg/L				
A036020	Reactive Silica (SiO2)	2025/10/16	99	80 - 120	98	80 - 120	<0.050	mg/L	0.26	20		
A037018	Dissolved Bromide (Br-)	2025/10/17	112	80 - 120	99	80 - 120	<0.010	mg/L				
A037019	Orthophosphate (P)	2025/10/17	89	80 - 120	103	80 - 120	0.0014, RDL=0.0010 (1)	mg/L				
A037020	Strong Acid Dissoc. Cyanide (CN)	2025/10/17	100	80 - 120	101	80 - 120	<0.00050	mg/L				
A037021	Weak Acid Dissoc. Cyanide (CN)	2025/10/17	105	80 - 120	101	80 - 120	<0.00050	mg/L				
A037022	Free Cyanide	2025/10/17	105	80 - 120	103	80 - 120	<0.00050	mg/L				
A037023	Total Nitrogen (Ammonia Nitrogen)	2025/10/19	105	N/A	103	N/A	<0.0050	mg/L				
A037089	Total Aluminum (Al)	2025/10/20	103	80 - 120	102	80 - 120	<3.0	ug/L	NC	20		
A037089	Total Antimony (Sb)	2025/10/20	NC	80 - 120	105	80 - 120	<0.020	ug/L	8.4	20		
A037089	Total Arsenic (As)	2025/10/20	NC	80 - 120	110	80 - 120	<0.020	ug/L	6.3	20		
A037089	Total Barium (Ba)	2025/10/20	NC	80 - 120	104	80 - 120	<0.050	ug/L	5.6	20		



BUREAU
VERITAS

Bureau Veritas Job #: C5C8428

Report Date: 2025/11/07

QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle

Site Location: Amaruq

Your P.O. #: 1533910

Sampler Initials: JG

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
A037089	Total Beryllium (Be)	2025/10/20	101	80 - 120	100	80 - 120	<0.010	ug/L	NC	20		
A037089	Total Bismuth (Bi)	2025/10/20	97	80 - 120	100	80 - 120	<0.010	ug/L	NC	20		
A037089	Total Boron (B)	2025/10/20	87	80 - 120	100	80 - 120	<10	ug/L	0.82	20		
A037089	Total Cadmium (Cd)	2025/10/20	104	80 - 120	106	80 - 120	<0.0050	ug/L	NC	20		
A037089	Total Chromium (Cr)	2025/10/20	102	80 - 120	105	80 - 120	<0.10	ug/L	NC	20		
A037089	Total Cobalt (Co)	2025/10/20	NC	80 - 120	100	80 - 120	<0.010	ug/L	8.7	20		
A037089	Total Copper (Cu)	2025/10/20	NC	80 - 120	99	80 - 120	<0.10	ug/L	6.3	20		
A037089	Total Iron (Fe)	2025/10/20	110	80 - 120	105	80 - 120	<5.0	ug/L	4.7	20		
A037089	Total Lead (Pb)	2025/10/20	98	80 - 120	101	80 - 120	<0.020	ug/L	6.9	20		
A037089	Total Lithium (Li)	2025/10/20	95	80 - 120	100	80 - 120	<0.50	ug/L	0.98	20		
A037089	Total Manganese (Mn)	2025/10/20	NC	80 - 120	104	80 - 120	<0.10	ug/L	5.2	20		
A037089	Total Molybdenum (Mo)	2025/10/20	NC	80 - 120	104	80 - 120	<0.050	ug/L	8.4	20		
A037089	Total Nickel (Ni)	2025/10/20	NC	80 - 120	104	80 - 120	<0.10	ug/L	6.7	20		
A037089	Total Phosphorus (P)	2025/10/20	106	80 - 120	103	80 - 120	<5.0	ug/L				
A037089	Total Selenium (Se)	2025/10/20	NC	80 - 120	109	80 - 120	<0.040	ug/L	7.6	20		
A037089	Total Silicon (Si)	2025/10/20	143 (2)	80 - 120	107	80 - 120	<50	ug/L				
A037089	Total Silver (Ag)	2025/10/20	98	80 - 120	101	80 - 120	<0.010	ug/L	9.8	20		
A037089	Total Strontium (Sr)	2025/10/20	NC	80 - 120	104	80 - 120	<0.050	ug/L	7.4	20		
A037089	Total Thallium (Tl)	2025/10/20	100	80 - 120	100	80 - 120	<0.0020	ug/L	3.4	20		
A037089	Total Tin (Sn)	2025/10/20	102	80 - 120	104	80 - 120	<0.20	ug/L	NC	20		
A037089	Total Titanium (Ti)	2025/10/20	107	80 - 120	107	80 - 120	<2.0	ug/L	NC	20		
A037089	Total Uranium (U)	2025/10/20	105	80 - 120	101	80 - 120	<0.0050	ug/L	8.1	20		
A037089	Total Vanadium (V)	2025/10/20	106	80 - 120	105	80 - 120	<0.20	ug/L	NC	20		
A037089	Total Zinc (Zn)	2025/10/20	101	80 - 120	106	80 - 120	<1.0	ug/L	NC	20		
A037089	Total Zirconium (Zr)	2025/10/20	114	80 - 120	102	80 - 120	<0.10	ug/L				
A037359	Radium-226	2025/10/26			100	85 - 115	<0.0050	Bq/L	NC	N/A		
A038022	Dissolved Aluminum (Al)	2025/10/21	93	80 - 120	97	80 - 120	<0.50	ug/L				
A038022	Dissolved Antimony (Sb)	2025/10/21	91	80 - 120	95	80 - 120	<0.020	ug/L				
A038022	Dissolved Arsenic (As)	2025/10/21	96	80 - 120	97	80 - 120	<0.020	ug/L				
A038022	Dissolved Barium (Ba)	2025/10/21	91	80 - 120	97	80 - 120	<0.020	ug/L				
A038022	Dissolved Beryllium (Be)	2025/10/21	94	80 - 120	95	80 - 120	<0.010	ug/L				
A038022	Dissolved Bismuth (Bi)	2025/10/21	88	80 - 120	91	80 - 120	<0.0050	ug/L				



BUREAU
VERITAS

Bureau Veritas Job #: C5C8428

Report Date: 2025/11/07

QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle

Site Location: Amaruq

Your P.O. #: 1533910

Sampler Initials: JG

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
A038022	Dissolved Boron (B)	2025/10/21	92	80 - 120	97	80 - 120	<10	ug/L				
A038022	Dissolved Cadmium (Cd)	2025/10/21	93	80 - 120	95	80 - 120	<0.0050	ug/L				
A038022	Dissolved Chromium (Cr)	2025/10/21	91	80 - 120	95	80 - 120	<0.10	ug/L				
A038022	Dissolved Cobalt (Co)	2025/10/21	85	80 - 120	90	80 - 120	<0.0050	ug/L				
A038022	Dissolved Copper (Cu)	2025/10/21	88	80 - 120	93	80 - 120	<0.050	ug/L				
A038022	Dissolved Iron (Fe)	2025/10/21	90	80 - 120	95	80 - 120	<1.0	ug/L				
A038022	Dissolved Lead (Pb)	2025/10/21	89	80 - 120	92	80 - 120	<0.0050	ug/L				
A038022	Dissolved Lithium (Li)	2025/10/21	92	80 - 120	96	80 - 120	<0.50	ug/L				
A038022	Dissolved Manganese (Mn)	2025/10/21	90	80 - 120	94	80 - 120	<0.050	ug/L				
A038022	Dissolved Molybdenum (Mo)	2025/10/21	96	80 - 120	97	80 - 120	<0.050	ug/L				
A038022	Dissolved Nickel (Ni)	2025/10/21	87	80 - 120	93	80 - 120	<0.020	ug/L				
A038022	Dissolved Selenium (Se)	2025/10/21	98	80 - 120	101	80 - 120	<0.040	ug/L				
A038022	Dissolved Silicon (Si)	2025/10/21	NC	80 - 120	98	80 - 120	<50	ug/L				
A038022	Dissolved Silver (Ag)	2025/10/21	91	80 - 120	91	80 - 120	<0.0050	ug/L				
A038022	Dissolved Strontium (Sr)	2025/10/21	NC	80 - 120	97	80 - 120	<0.050	ug/L				
A038022	Dissolved Tellurium (Te)	2025/10/21	88	80 - 120	103	80 - 120	<0.020	ug/L				
A038022	Dissolved Thallium (Tl)	2025/10/21	90	80 - 120	93	80 - 120	<0.0020	ug/L				
A038022	Dissolved Tin (Sn)	2025/10/21	92	80 - 120	94	80 - 120	<0.20	ug/L				
A038022	Dissolved Titanium (Ti)	2025/10/21	93	80 - 120	96	80 - 120	<0.50	ug/L				
A038022	Dissolved Uranium (U)	2025/10/21	98	80 - 120	98	80 - 120	<0.0020	ug/L				
A038022	Dissolved Vanadium (V)	2025/10/21	92	80 - 120	94	80 - 120	<0.20	ug/L				
A038022	Dissolved Zinc (Zn)	2025/10/21	90	80 - 120	99	80 - 120	<0.10	ug/L				



BUREAU
VERITAS

Bureau Veritas Job #: C5C8428

Report Date: 2025/11/07

QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle

Site Location: Amaruq

Your P.O. #: 1533910

Sampler Initials: JG

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
A038023	Dissolved Lithium (Li)	2025/10/22			106	80 - 120	<0.50	ug/L				

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Method blank exceeds acceptance limits, 2x RDL acceptable for low level analysis

(2) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.



VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

David Huang, BBY Scientific Specialist

Louise Harding, Scientific Specialist

Mauro Oselin, Scientific Specialist

Steven Simpson, BSc., MBA, C.Chem, Miss.-Kitimat, Lab Director

Suwan (Sze Yeung) Fock, B.Sc., Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

ATTACHMENT D

Water Quality Results

Table D-1
Drilling Brine Composition Westbay System AMQ16-626
Agnico Eagle Mines Limited, Whale Tail Mine, Nunavut

Sample	Units	Brine Fluid	Calculated Dilute Brine Port 6		Calculated Dilute Brine Port 4		Calculated Dilute Brine Port 3	
			Initial Brine	Maximum Brine	Initial Brine	Maximum Brine	Initial Brine	Maximum Brine
Date		17-Apr-16	21-Jul-16	21-Jul-16	24-Apr-16	27-Apr-16	02-Sep-16	02-Sep-16
Field measured parameters								
Fluorescein Concentration	mg/L	512.7	138.0	158.1	512.7	341.9	445.9	437.2
Drilling Fluid Proportion		1.00	0.27	0.31	1.00	0.67	0.87	0.85
Formation Water Proportion		0.00	0.73	0.69	0.00	0.33	0.13	0.15
Initial Conductivity Reading	uS/cm	0	10240	12210	3810	19400	52280	53800
Dilution of Brine Factor in Port		0.00	0.06	0.07	0.02	0.11	0.30	0.31
Conventional Parameters								
Alkalinity (Total as CaCO3)	mg CaCO ₃ /L	145.0	8.5	38.0	3.2	16.2	43.6	44.8
Alkalinity, bicarbonate (as CaCO3)	mg CaCO ₃ /L	27.0	1.6	1.9	0.6	3.0	8.1	8.3
Alkalinity, carbonate (as CaCO3)	mg CaCO ₃ /L	--	--	--	--	--	--	--
Alkalinity, hydroxide (as CaCO3)	mg CaCO ₃ /L	--	--	--	--	--	--	--
Chemical oxygen demand (COD)	mg/L	--	--	--	--	--	--	--
Conductivity (calculated)	uS/cm	174000	10240	12210	3810	19400	52280	53800
Conductivity (lab)	uS/cm	55420	--	--	--	--	--	--
Hardness (as CaCO3), from dissolved Ca/Mg	mg CaCO ₃ /L	105554	6212	7407	2311	11769	31715	32637
pH	S.U.	10	11.25	7.40	11.68	10.97	10.54	10.53
Total Dissolved Solids (calculated)	mg/L	130500	7680	9158	2858	14550	39210	40350
Total Dissolved Solids (lab)	mg/L	36946	--	--	--	--	--	--
Total Suspended Solids (TSS)	mg/L	--	--	--	--	--	--	--
Turbidity	NTU	--	--	--	--	--	--	--
Anions and Nutrients								
Ammonia, total (as N)	mg/L	--	--	--	--	--	--	--
Bromide (Br)	mg/L	1066	63	75	23	119	320	330
Chloride (Cl)	mg/L	83700	4926	5873	1833	9332	25149	25880
Dissolved Organic Carbon (DOC)	mg/L	--	--	--	--	--	--	--
Fluoride (F)	mg/L	0.06	0.004	0.004	0.001	0.01	0.02	0.02
Kjeldahl nitrogen, total [TKN]	mg/L	--	--	--	--	--	--	--
Nitrate + nitrite (as N)	mg/L	--	--	--	--	--	--	--
Nitrates (NO3)	mg/L	0.54	0.03	0.04	0.01	0.06	0.2	0.2
Nitrites (NO2)	mg/L	0.06	0.004	0.004	0.001	0.007	0.02	0.02
Phosphate, ortho-, dissolved (as P)	mg/L	--	--	--	--	--	--	--
Phosphorus, total	mg/L	--	--	--	--	--	--	--
Silicate (as SiO2)	mg/L	--	--	--	--	--	--	--
Sulphate (SO4)	mg/L	<0.6	0	0	0	0	0	0
Total Organic Carbon (TOC)	mg/L	--	--	--	--	--	--	--
Metals (dissolved)								
Aluminium (Al)	mg/L	0.5	0.03	0.03	0.01	0.06	0.1	0.2
Antimony (Sb)	mg/L	0.035	0.002	0.002	0.001	0.004	0.011	0.011
Arsenic (As)	mg/L	0.8	0.05	0.05	0.02	0.09	0.2	0.2
Barium (Ba)	mg/L	0.1	0.007	0.008	0.002	0.01	0.03	0.03
Beryllium (Be)	mg/L	<0.0005	0	0	0	0	0	0
Boron (B)	mg/L	13.2	0.8	0.9	0.3	1.5	4.0	4.1
Cadmium (Cd)	mg/L	<0.00002	0	0	0	0	0	0
Calcium (Ca)	mg/L	42266	2487	2966	925	4712	12699	13068
Chromium (Cr)	mg/L	<0.0006	0	0	0	0	0	0
Cobalt (Co)	mg/L	0.0406	0.002	0.003	0.001	0.005	0.012	0.013
Copper (Cu)	mg/L	0.0039	0.0002	0.0003	0.0001	0.0004	0.0012	0.0012
Iron (Fe)	mg/L	2.6	0.2	0.2	0.1	0.3	0.8	0.8
Lead (Pb)	mg/L	<0.0003	0	0	0	0	0	0
Lithium (Li)	mg/L	34.52	2.0	2.4	0.8	3.8	10.4	10.7
Magnesium (Mg)	mg/L	3.9	0.2	0.3	0.1	0.4	1.2	1.2
Manganese (Mn)	mg/L	<0.0005	0	0	0	0	0	0
Dissolved Mercury (Hg)	mg/L	--	0.00002	0.00003	0.00001	0.00004	0.00012	0.00012
Molybdenum (Mo)	mg/L	<0.0005	0	0	0	0	0	0
Nickel (Ni)	mg/L	1.35	0.08	0.09	0.03	0.15	0.41	0.42
Potassium (K)	mg/L	1717	101	120	38	191	516	531
Selenium (Se)	mg/L	3.83	0.23	0.27	0.08	0.43	1.15	1.18
Silicon (Si)	mg/L	2.93	0.17	0.21	0.06	0.33	0.88	0.91
Silver (Ag)	mg/L	<0.0001	0	0	0	0	0	0
Sodium (Na)	mg/L	838	49	59	18	93	252	259
Strontium (Sr)	mg/L	656.0	38.61	46.03	14.36	73.14	197.1	202.83
Tellurium (Te)	mg/L	<0.0005	0	0	0	0	0	0
Thallium (Tl)	mg/L	<0.002	0	0	0	0	0	0
Tin (Sn)	mg/L	<0.001	0	0	0	0	0	0
Titanium (Ti)	mg/L	45.2	2.66	3.17	0.99	5.04	13.58	13.98
Uranium (U)	mg/L	--	0	0	0	0	0	0
Vanadium (V)	mg/L	<0.001	0	0	0	0	0	0
Zinc (Zn)	mg/L	<0.0005	0	0	0	0	0	0
Radioactive Ions								
Radium (Ra 226)	Bq/L	<0.066	0	0	0	0	0	0
Hydrocarbons								
Hydrocarbons (C10-C50)	mg/L	0	0	0	0	0	0	0
QA/QC								
Calculated TDS (lab)	-	130500	--	--	--	--	--	--
Lab measured vs Calculated TDS	-	28%	--	--	--	--	--	--
Lab measured TDS vs Conductivity	-	0.7	--	--	--	--	--	--
Calculated TDS vs Calculated Conductivity	-	0.8	--	--	--	--	--	--

Notes:
-- denotes parameter was not analyzed

Table D-3

CA0054001.6953-MBK2025_024-TM-Rev0

**Westbay System AMQ16-626 Raw Groundwater Sample Whale Tail Lake Talik
Agnico Eagle Mines Limited, Whale Tail Mine, Nunavut**

Location	AMQ16-626 PORT 4		AMQ16-626 PORT 3		
	12-Oct-2025	12-Oct-2025	7-Oct-2025	7-Oct-2025	
WSP Sample ID	PORT-4A	PORT-4B	PORT 3-A	PORT 3-B	
Sampling interval vertical depth (metres)	349.3 - 359.1		381.3 - 392.7		
Average Field measured parameters	Units				
Fluorescein Concentration	ppb	11.75	0.18		
Drilling Fluid Proportion	-	0.02	0.0004		
Formation Water Proportion	-	0.98	1.000		
Electrical Conductivity	uS/cm	2555	2823		
Specific Conductance	uS/cm	3348	3654		
Total Dissolved Solids (TDS)	mg/L	2175	2373		
pH	S.U.	7.98	8.72		
Salinity	ppt	1.78	1.95		
Conventional Parameters					
Alkalinity	mg CaCO ₃ /L	6.2	6.1	12	11
Alkalinity, bicarbonate (as CaCO ₃)	mg CaCO ₃ /L	6.2	6.1	12	11
Alkalinity, carbonate (as CaCO ₃)	mg CaCO ₃ /L	< 1.0	< 1.0	< 1.0	< 1.0
Electrical Conductivity	uS/cm	3.110	3.100	3.560	3.550
Hardness, Calcium Carbonate	mg/L	772	790	688	969
pH	-	6.90	6.79	6.9	6.86
Total dissolved solids (lab)	mg/L	1870	1900	2150	2190
Total Suspended Solids (TSS)	mg/L	1	1	2	3
Turbidity	NTU	0.9	0.9	0.4	1.1
Anions and Nutrients					
Ammonia, total (as N)	mg/L	0.055	0.05	0.038	0.04
Bromide (Br)	mg/L	11	11	12	12
Chloride (Cl)	mg/L	1000	1000	1100	1100
Dissolved Organic Carbon	mg/L	270	270	270	290
Fluoride (F)	mg/L	0.4	0.41	0.86	0.86
Kjeldahl nitrogen, total [TKN]	mg/L	< 0.10	< 0.10	< 0.10	< 0.10
Nitrate + nitrite (as N)	mg/L	< 0.10	< 0.10	< 0.10	< 0.10
Nitrates (NO ₃)	mg/L	< 0.10	< 0.10	< 0.10	< 0.10
Nitrites (NO ₂)	mg/L	< 0.010	< 0.010	< 0.010	< 0.010
Phosphate, ortho-, dissolved (as P)	mg/L	< 0.0010	0.001	0.0017	< 0.0050
Phosphorus, total	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Silicate (as SiO ₂)	mg/L	6.3	5.9	6.4	6.3
Sulphate (SO ₄)	mg/L	< 0.50	< 0.50	0.6	0.63
Total Organic Carbon	mg/L	320	320	250	250
Metals (dissolved)					
Aluminium (Al)	mg/L	0.0105	0.0093	0.0081	0.0085
Antimony (Sb)	mg/L	0.00045	0.000376	0.000257	0.000282
Arsenic (As)	mg/L	0.0016	0.0014	0.000751	0.000699
Barium (Ba)	mg/L	0.068	0.0592	0.0337	0.0459
Beryllium (Be)	mg/L	< 0.000020	< 0.000020	< 0.000020	< 0.000020
Boron (B)	mg/L	0.514	0.44	0.549	0.745
Cadmium (Cd)	mg/L	< 0.000010	< 0.000010	< 0.000010	< 0.000010
Calcium (Ca)	mg/L	339	291	367	384
Chromium (Cr)	mg/L	0.00039	0.00054	0.00182	< 0.00020
Cobalt (Co)	mg/L	0.000015	0.000019	0.000082	< 0.000010
Copper (Cu)	mg/L	< 0.00010	< 0.00010	0.0005	< 0.00010
Iron (Fe)	mg/L	0.0798	0.0722	0.087	< 0.0020
Lead (Pb)	mg/L	0.00003	0.000031	0.000069	< 0.000010
Lithium (Li)	mg/L	0.0413	0.0356	0.0842	0.122
Magnesium (Mg)	mg/L	10.4	9.19	3.09	3.35
Manganese (Mn)	mg/L	0.024	0.0201	0.0054	0.00601
Dissolved Mercury (Hg)	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Molybdenum (Mo)	mg/L	0.00079	0.00072	0.00172	0.00103
Nickel (Ni)	mg/L	0.000445	0.000501	0.00174	0.00015
Potassium (K)	mg/L	4.97	4.33	7.27	7.75
Selenium (Se)	mg/L	< 0.000080	< 0.000080	< 0.000080	< 0.000080
Silicon (Si)	mg/L	3.14	2.76	2.33	3.06
Silver (Ag)	mg/L	< 0.000010	< 0.000010	< 0.000020	< 0.000010
Sodium (Na)	mg/L	286	258	235	254
Strontium (Sr)	mg/L	5.39	4.77	4.85	6.81
Tellurium (Te)	mg/L	< 0.000040	< 0.000040	-	< 0.000040
Thallium (Tl)	mg/L	< 0.0000040	< 0.0000040	< 0.0000040	< 0.0000040
Tin (Sn)	mg/L	0.00047	< 0.00040	< 0.00040	< 0.00040
Titanium (Ti)	mg/L	< 0.0010	< 0.0010	< 0.0040	< 0.0010
Uranium (U)	mg/L	0.0000061	0.0000051	0.000011	< 0.0000040
Vanadium (V)	mg/L	< 0.00040	< 0.00040	0.00131	< 0.00040
Zinc (Zn)	mg/L	0.313	0.28	0.35	0.082

Table D-3

CA0054001.6953-MBK2025_024-TM-Rev0

**Westbay System AMQ16-626 Raw Groundwater Sample Whale Tail Lake Talik
Agnico Eagle Mines Limited, Whale Tail Mine, Nunavut**

Location		AMQ16-626 PORT 4		AMQ16-626 PORT 3	
Date		12-Oct-2025	12-Oct-2025	7-Oct-2025	7-Oct-2025
WSP Sample ID		PORT-4A	PORT-4B	PORT 3-A	PORT 3-B
Sampling interval vertical depth (metres)		349.3 - 359.1		381.3 - 392.7	
Metals (total)					
Aluminum	mg/l	0.00891	0.0104	0.0689	0.0121
Antimony	mg/l	0.000388	0.000402	0.000257	0.000307
Arsenic	mg/l	0.00137	0.00136	0.000751	0.000871
Barium	mg/l	0.0617	0.0628	0.0337	0.0458
Beryllium	mg/l	< 0.000010	< 0.000010	< 0.000020	< 0.000010
Boron	mg/l	0.501	0.496	0.549	0.772
Cadmium	mg/l	< 0.0000050	< 0.0000050	< 0.000010	< 0.0000050
Calcium	mg/l	295	302	271	383
Chromium	mg/l	0.00102	0.00082	0.00182	0.00124
Cobalt	mg/l	0.0000242	0.0000202	0.000082	0.0000222
Copper	mg/l	0.000088	0.000084	0.0005	0.000075
Iron	mg/l	0.0742	0.0751	0.087	0.0783
Lead	mg/l	0.000028	0.0000294	0.000069	0.0000335
Lithium	mg/l	0.0387	0.0397	0.0842	0.115
Magnesium	mg/l	8.45	8.93	2.46	3.44
Manganese	mg/l	0.0212	0.0217	0.0054	0.00622
Mercury	mg/l	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Molybdenum	mg/l	0.000821	0.000862	0.00172	0.00123
Nickel	mg/l	0.000757	0.000636	0.00174	0.000955
Potassium	mg/l	4.51	4.6	5.84	7.79
Selenium	mg/l	0.000045	0.00007	< 0.000080	0.00173
Silicon	mg/l	2.75	2.85	2.33	3.2
Silver	mg/l	< 0.0000050	< 0.0000050	< 0.000020	< 0.0000050
Sodium	mg/l	238	243	185	266
Strontium	mg/l	4.84	4.94	4.85	7.01
Tellurium	mg/l	< 0.000020	< 0.000020	-	< 0.000020
Thallium	mg/l	< 0.0000020	< 0.0000020	< 0.0000040	0.0000024
Tin	mg/l	< 0.000020	< 0.000020	< 0.000040	< 0.000020
Titanium	mg/l	< 0.00050	< 0.00050	< 0.0040	< 0.00050
Uranium	mg/l	0.0000062	0.0000047	0.000011	0.0000025
Vanadium	mg/l	< 0.000020	< 0.000020	0.00131	< 0.000020
Zinc	mg/l	0.289	0.288	0.35	0.378
Radioactive Ions					
Radium (Ra-226)	Bq/L	0.12	0.12	0.14	0.08
Cyanide					
Total Cyanide	mg/l	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Cyanide (free)	mg/l	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Cyanide (WAD)	mg/l	< 0.00050	< 0.00050	< 0.00050	< 0.00050
QA/QC					
Calculated TDS	mg/L	1573	1878	2137	2177
Calculated TDS VS Lab Measured TDS	%	84%	99%	99%	99%

Table D-4
QA/QC of Westbay System AMQ16-626 Raw Groundwater Sample Whale Tail Lake Talik
Agnico Eagle Mines Limited, Whale Tail Mine, Nunavut

Bureau Veritas ID			AWDC52	AWDC53		AWGU14	AWGU15		AWDC54		AWGU16	
Sampling Date			2025-10-07	2025-10-07		2025-10-12	2025-10-12		2025-10-07		2025-10-12	
Sample ID	UNITS	MDL	Port 3-A	Port 3-B	RPD	MDL	Port 4-A	Port 4-B	RPD	MDL	Port 4-A-TB	
Calculated Parameters												
Total Ammonia (as NH3)	mg/L	0.0061	0.038	0.04	5%	0.0061	0.055	0.05	10%	0.0061	<0.0061	0.0061
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	1	12	11	9%	1	6.2	6.1	2%	1	<1.0	1
Carb. Alkalinity (calc. as CaCO3)	mg/L	1	<1.0	<1.0	--	1	<1.0	<1.0	--	1	<1.0	<1.0
Dissolved Hardness (CaCO3)	mg/L	0.5	928	972	5%	0.5	890	765	15%	0.5	<0.50	0.5
Inorganics												
Total Ammonia (as NH3)	mg/L	0.0061	0.038	0.04	5%	0.0061	0.055	0.05	10%	0.0061	<0.0061	0.0061
Alkalinity (Total as CaCO3)	mg/L	1	12	11	9%	1	6.2	6.1	2%	1	<1.0	1
Dissolved Bromide (Br-)	mg/L	0.1	12	12	0%	0.1	11	11	0%	0.01	<0.010	0.01
Conductivity	mS/cm	0.002	3.56	3.55	0%	0.002	3.11	3.1	0%	0.002	<0.002	0.002
Dissolved Chloride (Cl-)	mg/L	13	1100	1100	0%	13	1000	1000	0%	0.5	<0.50	0.5
Dissolved Organic Carbon	mg/L	0.4	270	290	7%	0.4	270	270	0%	0.4	<0.40	0.4
Dissolved Sulphate (SO4)	mg/L	0.5	0.6	0.63	<MDL	0.5	<0.50	<0.50	--	0.5	<0.50	<0.50
Fluoride (F-)	mg/L	0.1	0.86	0.86	0%	0.1	0.4	0.41	<MDL	0.1	<0.10	0.1
Free Cyanide	mg/L	0.0005	<0.00050	<0.00050	--	0.0005	<0.00050	<0.00050	--	0.0005	<0.00050	0.0005
Nitrate (N)	mg/L	0.1	<0.10	<0.10	--	0.1	<0.10	<0.10	--	0.1	<0.10	0.1
Nitrate + Nitrite (N)	mg/L	0.1	<0.10	<0.10	--	0.1	<0.10	<0.10	--	0.1	<0.10	0.1
Nitrite (N)	mg/L	0.01	<0.010	<0.010	--	0.01	<0.010	<0.010	--	0.01	<0.010	0.01
Orthophosphate (P)	mg/L	0.001	0.0017	<0.0050 (2)	--	0.001	<0.0010	0.001	--	0.001	<0.0010	0.001
pH	pH		6.9	6.86	--		6.9	6.79	--		5.82	6.56
Reactive Silica (SiO2)	mg/L	0.05	6.4	6.3	2%	0.05	6.3	5.9	7%	0.05	0.11	0.05
Total Cyanide (CN)	mg/L	0.0005	<0.00050	<0.00050	--	0.0005	<0.00050	<0.00050	--	0.0005	<0.00050	0.0005
Total Dissolved Solids	mg/L	10	2150	2190	2%	10	1870	1900	2%	10	<10	<10
Total Kjeldahl Nitrogen (TKN)	mg/L	0.1	<0.10	<0.10	--	0.1	<0.10	<0.10	--	0.1	<0.10	0.1
Total Organic Carbon (TOC)	mg/L	0.4	250	250	0%	0.4	320	320	0%	0.4	<0.40	0.4
Total Phosphorus (P)	mg/L	0.001	<0.0010 (1)	<0.0010	--	0.001	<0.0010	<0.0010 (1)	--	0.001	<0.0010	0.001
Total Suspended Solids	mg/L	1	2	3	<MDL	1	1	1	<MDL	1	<1	<1
Turbidity	NTU	0.1	0.4	1.1	>MDL	0.1	0.9	0.9	0%	0.1	<0.1	0.1
Weak Acid Dissoc. Cyanide (CN)	mg/L	0.0005	<0.00050	<0.00050	--	0.0005	<0.00050	<0.00050	--	0.0005	<0.00050	0.0005
Dissolved Metals												
Dissolved Aluminum (Al)	ug/L	1	8.1	8.5	5%	1	10.5	9.3	12%	0.5	<0.50	0.5
Dissolved Antimony (Sb)	ug/L	0.04	0.275	0.282	3%	0.04	0.45	0.376	18%	0.02	<0.020	0.02
Dissolved Arsenic (As)	ug/L	0.04	0.638	0.699	9%	0.04	1.6	1.4	13%	0.02	<0.020	0.02
Dissolved Barium (Ba)	ug/L	0.04	42.8	45.9	7%	0.04	68.0	59.2	14%	0.02	<0.020	0.02
Dissolved Beryllium (Be)	ug/L	0.02	<0.020	<0.020	--	0.02	<0.020	<0.020	--	0.01	<0.010	0.01
Dissolved Bismuth (Bi)	ug/L	0.01	<0.010	<0.010	--	0.01	<0.010	<0.010	--	0.005	<0.0050	0.005
Dissolved Boron (B)	ug/L	20	672	745	10%	20	514	440	16%	10	<10	10
Dissolved Cadmium (Cd)	ug/L	0.01	<0.010	<0.010	--	0.01	<0.010	<0.010	--	0.005	<0.0050	0.005
Dissolved Calcium (Ca)	mg/L	0.1	367	384	5%	0.1	339	291	15%	0.05	0.08	0.05
Dissolved Chromium (Cr)	ug/L	0.2	<0.20	<0.20	--	0.2	0.39	0.54	<MDL	0.1	<0.10	0.1
Dissolved Cobalt (Co)	ug/L	0.01	<0.010	<0.010	--	0.01	0.015	0.019	<MDL	0.005	<0.0050	0.005
Dissolved Copper (Cu)	ug/L	0.1	<0.10	<0.10	--	0.1	<0.10	<0.10	--	0.05	<0.050	0.05
Dissolved Iron (Fe)	ug/L	2	<2.0	<2.0	--	2	79.8	72.2	10%	1	<1.0	1
Dissolved Lead (Pb)	ug/L	0.01	<0.010	<0.010	--	0.01	0.03	0.031	<MDL	0.005	<0.0050	0.005
Dissolved Lithium (Li)	ug/L	1	123	122	1%	1	41.3	35.6	15%	0.5	<0.50	0.5
Dissolved Magnesium (Mg)	mg/L	0.1	3.09	3.35	8%	0.1	10.4	9.19	12%	0.05	<0.050	0.05
Dissolved Manganese (Mn)	ug/L	0.1	5.57	6.01	8%	0.1	24.0	20.1	18%	0.05	<0.050	0.05
Dissolved Mercury (Hg)	mg/L	0.00001	<0.00001	<0.00001	--	0.00001	<0.00001	<0.00001	--	0.00001	<0.00001	0.00001
Dissolved Molybdenum (Mo)	ug/L	0.1	0.91	1.03	12%	0.1	0.79	0.72	9%	0.05	<0.050	0.05
Dissolved Nickel (Ni)	ug/L	0.04	0.135	0.15	<MDL	0.04	0.445	0.501	12%	0.02	<0.020	0.02
Dissolved Potassium (K)	mg/L	0.1	7.27	7.75	6%	0.1	4.97	4.33	14%	0.05	<0.050	0.05
Dissolved Selenium (Se)	ug/L	0.08	<0.080	<0.080	--	0.08	<0.080	<0.080	--	0.04	<0.040	0.04
Dissolved Silicon (Si)	ug/L	100	2890	3060	6%	100	3140	2760	13%	50	<50	50
Dissolved Silver (Ag)	ug/L	0.01	<0.010	<0.010	--	0.01	<0.010	<0.010	--	0.005	<0.0050	0.005
Dissolved Sodium (Na)	mg/L	0.1	235	254	8%	0.1	286	258	10%	0.05	<0.050	0.05
Dissolved Strontium (Sr)	ug/L	0.1	6440	6810	6%	0.1	5390	4770	12%	0.05	<0.050	0.05
Dissolved Sulphur (S)	mg/L	6	<6.0	<6.0	--	6	<6.0	<6.0	--	3	<3.0	3
Dissolved Tellurium (Te)	ug/L	0.04	<0.040	<0.040	--	0.04	<0.040	<0.040	--	0.02	<0.020	0.02
Dissolved Thallium (Tl)	ug/L	0.004	<0.0040	<0.0040	--	0.004	<0.0040	<0.0040	--	0.002	<0.0020	0.002
Dissolved Tin (Sn)	ug/L	0.4	<0.40	<0.40	--	0.4	0.47	<0.40	--	0.2	<0.20	0.2
Dissolved Titanium (Ti)	ug/L	1	<1.0	<1.0	--	1	<1.0	<1.0	--	0.5	<0.50	0.5
Dissolved Uranium (U)	ug/L	0.004	<0.0040	<0.0040	--	0.004	0.0061	0.0051	<MDL	0.002	<0.0020	0.002
Dissolved Vanadium (V)	ug/L	0.4	<0.40	<0.40	--	0.4	<0.40	<0.40	--	0.2	<0.20	0.2
Dissolved Zinc (Zn)	ug/L	0.2	97.7	82	17%	0.2	313	280	11%	0.1	0.1	0.1
Total Metals												
Total Aluminum (Al)	ug/L	6	68.9	12.1	>MDL	0.5	8.91	10.4	15%	0.5	<0.50	0.5
Total Antimony (Sb)	ug/L	0.04	0.257	0.307	18%	0.02	0.388	0.402	4%	0.02	<0.020	0.02
Total Arsenic (As)	ug/L	0.04	0.751	0.871	15%	0.02	1.37	1.36	1%	0.02	<0.020	0.02
Total Barium (Ba)	ug/L	0.1	33.7	45.8	30%	0.02	61.7	62.8	2%	0.02	0.034	0.02
Total Beryllium (Be)	ug/L	0.02	<0.020	<0.010	--	0.01	<0.010	<0.010	--	0.01	<0.010	0.01
Total Bismuth (Bi)	ug/L	0.02	<0.020	<0.0050	--	0.005	<0.0050	<0.0050	--	0.005	<0.0050	0.005
Total Boron (B)	ug/L	20	549	772	34%	10	501	496	1%	10	<10	<10
Total Cadmium (Cd)	ug/L	0.01	<0.010	<0.0050	--	0.005	<0.0050	<0.0050	--	0.005	<0.0050	0.005
Total Calcium (Ca)	mg/L	0.5	271	383	34%	0.05	295	302	2%	0.05	<0.050	0.05
Total Chromium (Cr)	ug/L	0.2	1.82	1.24	38%	0.1	1.02	0.82	22%	0.1	<0.10	0.1
Total Cobalt (Co)	ug/L	0.02	0.082	0.0222	>MDL	0.005	0.0242	0.0202	<MDL	0.005	<0.0050	0.005
Total Copper (Cu)	ug/L	0.2	0.5	0.075	>MDL	0.05	0.088	0.084	<MDL	0.05	<0.050	0.05
Total Iron (Fe)	ug/L	10	87	78.3	11%	1	74.2	75.1	1%	1	<1.0	1
Total Lead (Pb)	ug/L	0.04	0.069	0.0335	<MDL	0.005	0.028	0.0294	5%	0.005	<0.0050	0.005
Total Lithium (Li)	ug/L	1	84.2	115	31%	0.5	39.7	39.7	3%	0.5	<0.50	0.5
Total Magnesium (Mg)	mg/L	0.5	2.46	3.44	>MDL	0.05	8.45	8.93	6%	0.05	<0.050	0.05
Total Manganese (Mn)	ug/L	0.2	5.4	6.22	14%	0.05	21.2	21.7	2%	0.05	<0.050	0.05
Total Mercury (Hg)	mg/L	0.00001	<0.00001	<0.00001	--	0.00001	<0.00001	<0.00001	--	0.00001	<0.00001	0.00001
Total Molybdenum (Mo)	ug/L	0.1	1.72	1.23	33%	0.05	0.821	0.862	5%	0.05	<0.050	0.05
Total Nickel (Ni)	ug/L	0.2	1.74	0.955	>MDL	0.02	0.757	0.636	17%	0.02	<0.020	0.02
Total Potassium (K)	mg/L	0.5	5.84	7.79	29%	0.05	4.51	4.6	2%	0.05	<0.050	0.05
Total Selenium (Se)	ug/L	0.08	<0.080	1.73	--	0.04	0.045	0.07	<MDL	0.04	<0.040	0.04
Total Silicon (Si)	ug/L	100	2330	3200	31%	50	2750	2850	4%	50	<50	50
Total Silver (Ag)	ug/L	0.02	<0.020	<0.0050	--	0.005	<0.0050	<0.0050	--	0.005	<0.0050	0.005
Total Sodium (Na)	mg/L	0.5	185	266	36%	0.05	238	243	2%	0.05	<0.050	0.05
Total Strontium (Sr)	ug/L	0.1	4850	7010	36%	0.05	4840					

ATTACHMENT B

**2025 Thermal Monitoring Report
(prepared by Agnico Eagle)**



WHALE TAIL MINE

Thermal Monitoring Report 2025

In Accordance with
Project Certificate No. 008, T&C 14

Prepared by:
Agnico Eagle Mines Limited – Meadowbank Division

February 2026

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APPENDIX A: WHALE TAIL THERMAL MONITORING DATA

1 INTRODUCTION

Agnico Eagle Mines Limited – Meadowbank Division (Agnico Eagle) is developing the Whale Tail Mine (Piquganiq), a satellite deposit located on the Amaruq Property (geological property), to continue mine operations and milling at Meadowbank Mine.

This document presents the Thermal Monitoring Report including the following mine facilities and natural locations as described in the Thermal Monitoring Plan:

- Whale Tail Waste Rock Storage Facility (WRSF) and IVR WRSF
- Water management facilities including Whale Tail Dike, Mammoth Dike, IVR Dike, WRSF Dike, and the Whale Tail and IVR Attenuation Ponds
- Whale Tail Pit and IVR Pit

The Thermal Monitoring Report provides the instrumentation data and their interpretation. Refer to the Thermal Monitoring Plan for a general description of the different facilities, the anticipated impact of operation of the facilities on the permafrost, and the general guidelines that are used to define instrumentation needs for each facility.

2 AVAILABLE DATA

There are currently 95 active thermistors at the Whale Tail Mine (Piquganiq) site.

The location, installation summary, and status of all the thermistors installed within the Whale Tail Mine (Piquganiq) site are presented in the table in Appendix A. Figure 1 shows locations of active thermistors. Data are collected from the thermistors by data loggers every three hours or by using manual readout units.

Results of active thermistors are presented in Appendix A.

3 THERMAL MONITORING RESULTS

This section presents a summary of the expected thermal effects as well as interpretation of the instrumentation data gathered for the reporting period.

3.1 WASTE ROCK STORAGE FACILITIES

3.1.1 Expected Thermal Effects on Permafrost

Construction of the WRSFs on permafrost is expected to result in aggradation of permafrost into the pile. The permafrost under the piles would remain, but temperatures in the upper permafrost zone are expected to evolve towards a thermal equilibrium established with the active layer and zero-amplitude zone moving upwards within the waste rock pile. Convective cooling is common in waste rock material and is expected to promote freeze-back within the pile.

The waste rock pile itself is expected to freeze back with time and have an active layer formed in the upper portion (O’Kane, 2021). Climate change in the long term is expected to extend the depth of the active layer in the pile, but the thick waste rock pile will constitute a protection to the underlying permafrost. If heat generation occurs from the oxidation of sulphide-bearing minerals within the pile, the freeze-back process would be delayed. Depending on the location of the heat generation source, the upper portion of the permafrost foundation could be impacted.

3.1.2 Thermal Monitoring Results

For the thermistors installed in the foundation of the Whale Tail WRSF, the instrumentation data is showing thermal behaviour along the expected trend (permafrost aggradation).

The instruments installed at mid-elevation in the PAG of the first bench are covered in waste rock and lots of beads have been lost especially in the NPAG. The available data indicate that the active layer did not reach the PAG waste rock.

For the instruments located in the second instrumented cross section installed at 40 m above the ground elevation on top of the second bench, the available data indicates that for most instruments the active layer did not reach the PAG waste rock and year over year is experiencing a cooler trend.

In summer 2024, five new thermistors were installed in two new instrumented cross sections installed at 60 m above the ground elevation on top of the third bench of the Whale Tail WRSF. Data collection has only been ongoing since installation, so it is too early to assess the extent of the active layer. The 2026 Thermal Monitoring Report will re-assess this as two years of data will have been collected, allowing more time for the instruments to stabilize and show trends.

In late 2022 and early 2023, ten thermistors were installed in the foundation of the IVR WRSF. The available data indicates thermal behaviour along the expected trend (permafrost aggradation).

3.2 WATER MANAGEMENT FACILITIES

3.2.1 Expected Thermal Effects on Permafrost

The Whale Tail Dike is constructed within a lake, overlaying an open talik. The construction of the Whale Tail Dike is expected to have a cooling effect on the underlying ground due to exposure to lower temperature than lake water. Minimal effects to the permafrost at the abutment areas are expected.

Following lake dewatering and the beginning of operations, natural ground in the downstream of the Whale Tail Dike is expected to freeze back progressively. Upstream of the dike, the lakebed and underlying talik is expected to remain unfrozen.

After the dike is breached in the final stages of closure, the Whale Tail Lake will be restored, causing frozen zones located downstream of the dike to thaw, progressively restoring the original lake talik.

The other dewatering dike areas are expected to have similar thermal impacts on the permafrost associated with construction, operation, and closure of the dikes.

The WRSF Dike will periodically contain a pond formed from runoff water flowing at the toe of the Whale Tail WRSF facility. Depending on pond conditions (volume, temperature, duration before pumping) there would be possible thawing of a shallow upper permafrost zone underlying the pond. However, due to the small pond size and the low operational level, this issue is unlikely.

The talik zone under the Whale Tail Attenuation Pond would remain. The areas surrounding the pond are expected to freeze back progressively after dewatering but would restore to talik conditions after breaching of the dewatering dikes and flooding of the area.

As for the IVR Attenuation Pond, with the maximum water elevation of the pond above the former lake elevation, some minor localized thawing of the permafrost is expected to occur outside of the original lake footprint.

3.2.2 Thermal Monitoring Results

Mammoth Dike

The instrumentation data are showing thermal behaviour along the expected trend at Mammoth Dike. The active layer is contained in the rockfill shell. The foundation and key trench are in permafrost condition.

WRSF Dike

A degradation of the thermal conditions in the key trench of WRSF Dike was observed in the summer of 2019 leading to seepage. In 2025, the instrument data show that the foundation and key trench remained frozen all year long with signs of permafrost aggradation. This indicates that the mitigation measures implemented in 2020 continue to be successful. The active layer is contained within the rockfill and upstream thermal capping.

Whale Tail Dike

Similar to 2024, in 2025 the thermistors at Whale Tail Dike are showing cyclical trends associated with seasonal lake water temperature. The West abutment at 0+110 is frozen (according to the limited data available), and the East abutment is frozen at 0+790. The remaining thermistors remain primarily unfrozen below the active layer. On the East abutment the active layer warming trend persists and potentially connects to the seepage flow at depth ($> 0^{\circ}\text{C}$). Thermistors at both the East and West abutment capping indicate that the overburden and bedrock have remained frozen.

IVR Dike D-1

The thermistors installed in IVR Dike D-1 show that there is a 2m active layer contained within the rockfill portion or in the overburden, while the key trench, filters system, and bedrock remained in permafrost for the entire 2025 period.

3.3 OPEN PIT

3.3.1 Expected Effects on Permafrost

Whale Tail Pit will be excavated through an upper closed talik zone and underlying permafrost. During operations of the pit, the talik zone is expected to freeze back progressively. The permafrost surrounding the pit shell is expected to undergo cooling from air temperature exposure, apart from seasonal thawing of a shallow active zone adjacent to the walls.

Upon closure and subsequent flooding of the Whale Tail Pit, permafrost areas underneath the pit lake are expected to gradually thaw. Thermal assessments have indicated this process would take hundreds of years. The pit lake would eventually reduce the permafrost depth in the pit surrounding ground, but this process could take significantly longer time (in the order of 10,000 years) to complete.

IVR Pit is excavated through permafrost. Mining activities will cause a similar effect than for Whale Tail Pit: seasonal warming against the pit walls during operation and warming after operations due to the closure pit lake.

3.3.2 Thermal Monitoring Results

Thermistors were installed in 2020 in the closed talik zone near the south wall of the Whale Tail Pit. Through the year 2021 until their dismantling in August 2021, it was possible to observe a freeze back of the upper bedrock area.

Three thermistors are currently active in the Whale Tail Pit. The thermistors are showing expected trends of seasonal variation close to surface and close to pit walls, with a thermal response in the south wall driven by the talik conditions. The Pit South Wall (PSW) ramp thermistor installed in December 2024 indicated seasonal warming within the pit wall at mine grid elevation 5026, likely due to seepage passing through the aggregate of the ramp. Short-term trends from 2025 demonstrate the boundary between talik and permafrost around mine grid elevation 5010.

The previous thermistors installed in the IVR area are no longer functioning due to mining activity in the sector but were showing permafrost conditions until the instrument was decommissioned.

A deep thermistor has been installed in 2020 in that area (IVR long TH) and shows permafrost conditions down to 450 m below ground surface, to El. 9650 m (mining datum).

4 REFERENCES

1. O’Kane Consultants Inc. (O’Kane), 2021. Whale Tail Project - Thermal Modelling of the Whale Tail and IVR WRSFs. January 8, 2021.

APPENDIX A – WHALE TAIL THERMAL MONITORING DATA



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DRAWN BY	DATE	CHECKLIST	INITIALS
	2022-06-04		

MEADOWBANK COMPLEX		
AMARUQ		
SCALE	N.T.S.	DATE
		FILE
		Dwg

TABLE 1: Instruments Coordinates

<i>Line #</i>	<i>Name</i>	<i>Area</i>	<i>Easting (X)</i>	<i>Northing (Y)</i>	<i>Elevation (Z)</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Installed</i>	<i>Active (Y) or (N)</i>
1	WTD 0+110	WTD	607090.5	7254625	156.4	--	-90	2020	Y (1/16 beads)
2	WTD 0+142	WTD	607119.94	7254637.98	156.75	--	-90	2018	Y (10/13 beads)
3	WTD 0+190 U/S	WTD	607165.34	7254653.83	157.42	--	-90	2018	Y (10/13 beads)
4	WTD 0+210	WTD	607182.85	7254666.19	157	--	-90	2018 & 2022	Y
5	WTD 0+240	WTD	607209.4	7254676.8	158.1	--	-90	2020	Y
6	WTD 0+260	WTD	607227.51	7254686.28	157	--	-90	2018	Y (11/13 beads)
7	WTD 0+276 U/S	WTD	607237.2	7254677.3	157	--	-90	2018	Y
8	WTD 0+310	WTD	607237.98	7254707.09	157	--	-90	2018	Y
9	WTD 0+336 U/S	WTD	607298.44	7254713.45	157	--	-90	2018	Y
10	WTD 0+340 DS West	WTD	607246.597	7254841.993	149.6	--	-90	2020	Y (14/16 beads)
11	WTD 0+360	WTD	607318.81	7254727.15	157	--	-90	2018	Y (10/13 beads)
12	WTD-0+380	WTD	607338	7254734.4	157.1	--	-90	2020	Y
13	WTD 0+407	WTD	607363.08	7254744.86	157	--	-90	2018	Y (10/13 beads)
14	WTD-0+425	WTD	607380.8	7254380.8	158.5	--	-90	2020	Y
15	WTD 0+453	WTD	607408.6	7254753.72	157	--	-90	2018	Y
16	WTD 0+475	WTD	607429.5	7254758.2	161	--	-90	2020	Y
17	WTD 0+500	WTD	607454.9	7254759.9	157.1	--	-90	2020	Y (15/16 beads)
18	WTD 0+520	WTD	607473.78	7254764.22	157	--	-90	2018	Y (12/13 beads)
19	WTD 0+530	WTD	607483.77	7254766	159	--	-90	2020	Y
20	WTD 0+550	WTD	607505.2	7254768	157.9	--	-90	2020	Y (12/13 beads)
21	WTD 0+580	WTD	607533.163	7254773.95	158	--	-90	2020	Y
22	WTD 0+596	WTD	607549.6	7254775.2	157.8	--	-90	2020	Y (12/13 beads)
23	WTD 0+607	WTD	607561.24	7254778.35	157	--	-90	2018	Y (11/13 beads)
24	WTD 0+618 DS East	WTD	607548.9	7254905.6	152.1	--	-90	2020	Y (8/16 beads)
25	WTD 0+635	WTD	607587.7	7254782.9	158.3	--	-90	2020	Y
26	WTD 0+645	WTD	607597.3	7254782.8	158.6	--	-90	2020	Y (12/13 beads)
27	WTD 0+665	WTD	607617	7254788	158.3	--	-90	2020	Y
28	WTD 0+675	WTD	607262.31	7254788.86	157	--	-90	2018	Y
29	WTD 0+685	WTD	607636.9	7254791.2	160.5	--	-90	2020	Y
30	WTD 0+695	WTD	607646.7	7254792.9	157.5	--	-90	2020	Y
31	WTD 0+707.5	WTD	607659	7254795.1	158	--	-90	2020	Y
32	WTD 0+710 U/S	WTD	607662.32	7254790.63	157	--	-90	2018	Y (14/16 beads)
33	WTD 0+720	WTD	607671.5	7254797.1	160	--	-90	2020	Y
34	WTD 0+740	WTD	607691	7254800	160	--	-90	2020	Y
35	WTD 0+750	WTD	607701.81	7254797.04	157	--	-90	2018	Y (15/16 beads)
36	WTD 0+772 U/S	WTD	607724.15	7254804.63	157	--	-90	2018	Y (3/13 beads)
37	WTD 0+790	WTD	607740	7254807.3	157.2	--	-90	2020	Y (3/16 beads)
38	WTD US 0+130	WTD	607110.799	7254629.029	159.116	--	-90	2023	Y
39	WTD WAC 0+130	WTD	607118.539	7254611.482	159.25	--	-90	2023	Y
40	WTD EAC 0+781	WTD	607736.64	7254776.596	158.955	--	-90	2023	Y

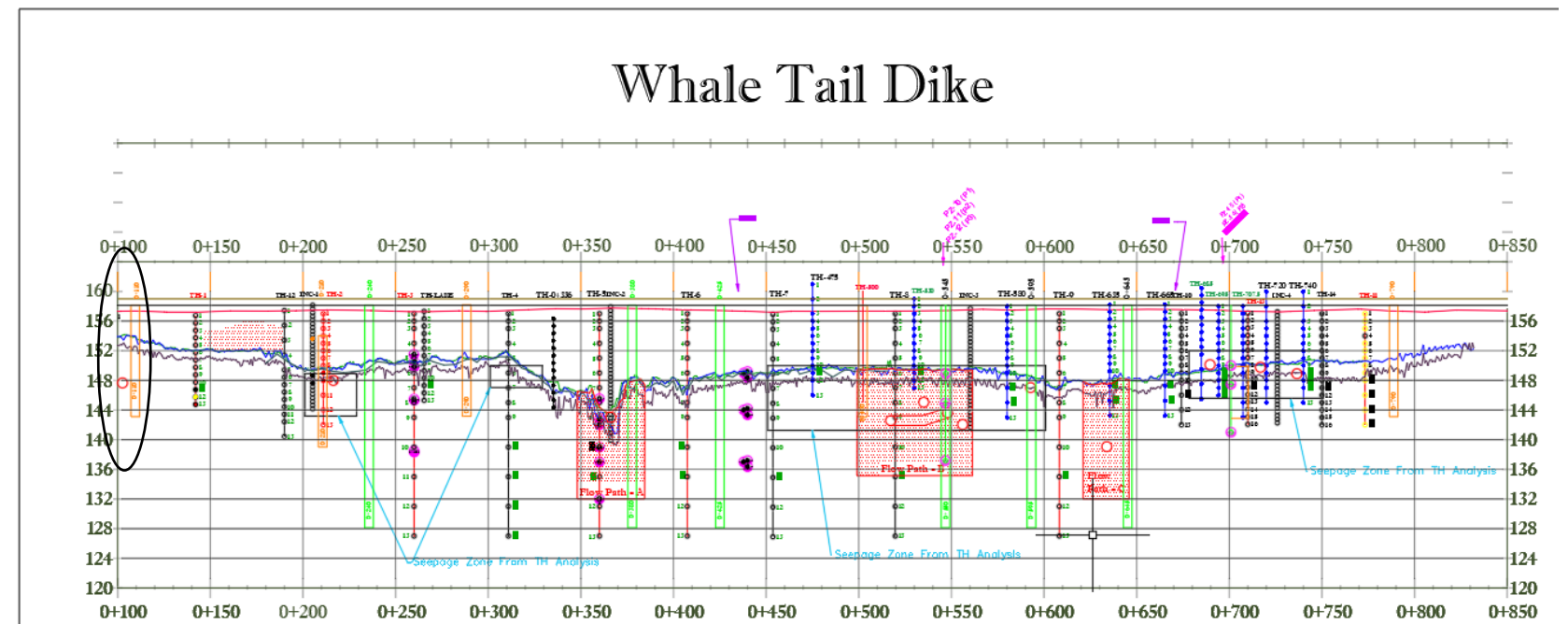
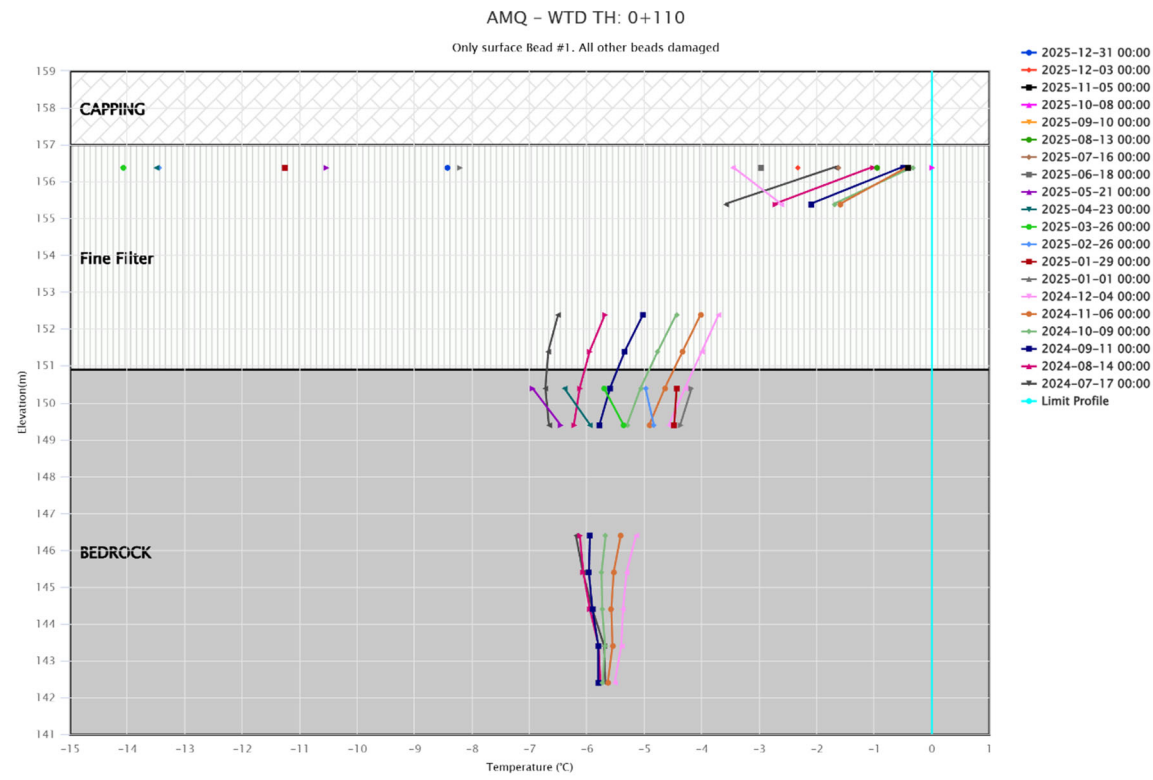
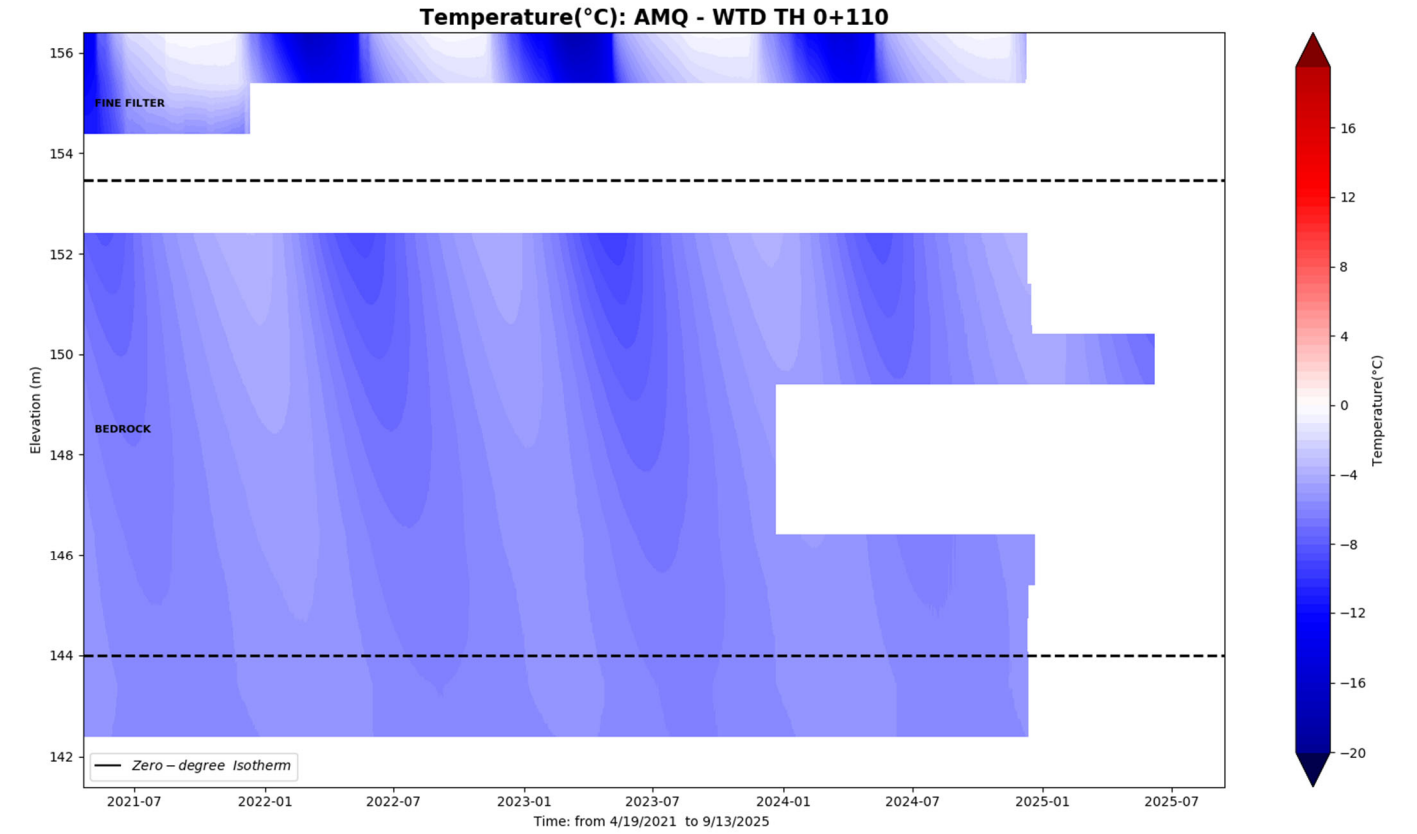
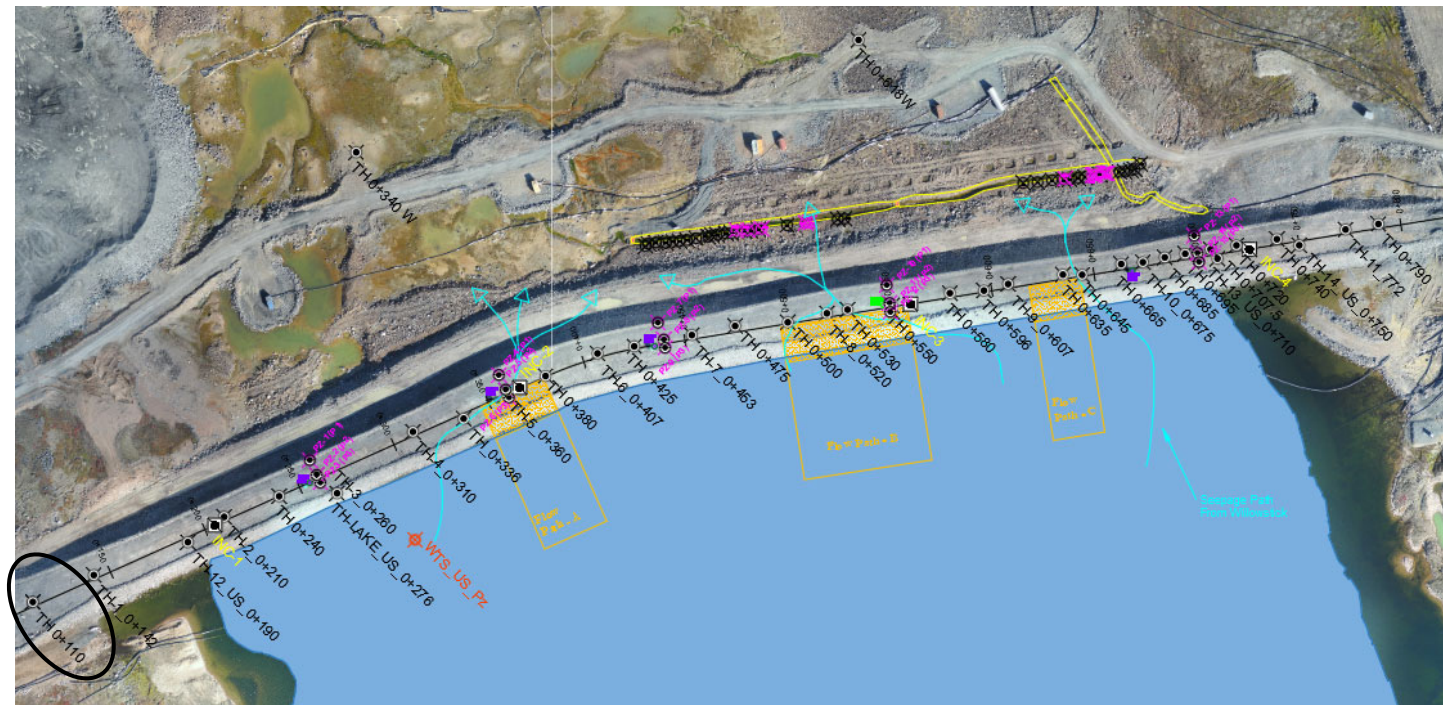
Line #	Name	Area	Easting (X)	Northing (Y)	Elevation (Z)	Azimuth	Dip	Installed	Active (Y) or (N)
41	WT WRSF TH01	WT-WRSF-1S	615797.25	7238129.77	161.546	--	-90	2019	Y
42	WT WRSF TH02	WT-WRSF-1S	615861.49	7238133.24	162.053	--	-90	2019	N (since 2020)
43	WT WRSF TH03	WT-WRSF-1S	615814.31 to 615799.6	7238118.6 to 7238117	162.744 to 162.042	9	0	2019	Y (9/16 beads)
44	WT WRSF TH04	WT-WRSF-1S	615813.38 to 615797.7	7238134.1to 7238132.8	162.138 to 161.619	9	0	2019	Y (7/16 beads)
45	WT WRSF TH05	WT-WRSF-1S	615860.9 to 615800.3	71238133.3 to 7238126	162.202	9	0	2019	Y (9/16 beads)
46	WT WRSF TH06	WT-WRSF-2S	-	-	-	-	-	2021	NOT INSTALLED
47	WT WRSF TH07	WT-WRSF-2S	14041.823/822.075(AMQ)	14051.510/8232.486(AMQ)	199.6	1	0	2021	Y
48	WT WRSF TH08	WT-WRSF-2S	14029.392/14039.081(AMQ)	8227.543/8238.974(AMQ)	199.7	1	0	2021	Y (15/16 beads)
49	WT WRSF TH09	WT-WRSF-2S	14035.675/14189.86(AMQ)	8224.663/8407.910 (AMQ)	200.2	1	0	2021	Y
50	WT WRSF TH10	WT-WRSF-2S	14259.183 (AMQ)	8479.248 (AMQ)	199.484-195.386	1	-37	2021	Y
51	WT WRSF TH11	WT-WRSF-1N	14259.183	8479.249	198.637-168.637	--	-90	2021	Y
52	WT WRSF TH12	WT-WRSF-1N	14241.323/14231.698 (AMQ)	8481.427/8469.988 (AMQ)	200.2	181	0	2021	Y
53	WT WRSF TH13	WT-WRSF-1N	14521.240/14241.576 (AMQ)	8471.614/8460.159 (AMQ)	200.1	181	0	2021	Y
54	WT WRSF TH14	WT-WRSF-1N	14245.84/14101.278	8476.032/8304.453	200.2	181	0	2021	Y
55	WT WRSF TH15	WT-WRSF-1N	14254.017/14248.950	8481.414/8477.225	200.2	181	-37	2021	Y
56	WT WRSF TH16	WT-WRSF-1N	14259.183	8479.248	167.637-152.637	--	-90	2021	Y
57	WT WRSF TH17	WT-WRSF-3S	605484.55 / 605484.022	7255898.343 / 7255913.32	220	358	0	2024	Y
58	WT WRSF TH18	WT-WRSF-3S	-	-	-	-	-	2024	NOT INSTALLED
59	WT WRSF TH19	WT-WRSF-2N	605491.669 / 605491.175	7256118.973 / 7256103.959	220.4	183	0	2024	Y
60	WT WRSF TH20	WT-WRSF-2N	605492.629 / 605489.486	7256118.957 / 7256014.102	219.7	183	0	2024	Y
61	WT WRSF TH21	WT-WRSF-2N	605491.973 / 605490.441	7256134.912 / 7256128.586	219.56	183	-37	2024	Y
62	WT WRSF TH22	WT-WRSF-2N	605491.973 / 605490.441	7256134.912 / 7256128.586	219.56	183	-37	2024	NOT INSTALLED
63	IVR WRSF TH01	IVR-WRSF-1S	608314.124	7256135.152	203.547	--	-90	2023	Y
64	IVR WRSF TH02	IVR-WRSF-1S	594598.883/594599.565	7257568.182/7257583.178	204.064	9	0	2022	Y
65	IVR WRSF TH03	IVR-WRSF-1S	594612.906/594613.468	7257567.520/7257582.555	204.061	9	0	2022	Y
66	IVR WRSF TH04	IVR-WRSF-1S	594605.898/594612.305	7257567.947/7257718.148	203.972	9	0	2022	Y
67	IVR WRSF TH05	IVR-WRSF-1S	608314.201	7256135.534	203.489	--	-90	2023	Y
68	IVR WRSF TH06	IVR-WRSF-1N	608391.937	7256721.531	204.298	--	-90	2023	Y
69	IVR WRSF TH07	IVR-WRSF-1N	608395.025/608399.173	7256707.151/7256692.531	204.924	164	0	2022	Y
70	IVR WRSF TH08	IVR-WRSF-1N	608408.682/608412.721	7256710.367/7256695.844	204.936	164	0	2022	Y
71	IVR WRSF TH09	IVR-WRSF-1N	608401.559/608440.755	7256708.91/7256564.158	204.761	164	0	2022	Y
72	IVR WRSF TH10	IVR-WRSF-1N	7256721.531	726721.531	204.298	--	-90	2023	Y
73	MD-TH01	MD	605924.66 / 605914.18	7255102.638 / 7255097.264	149.9 / 153.5	243	Slope	2019	Y
74	MD-TH02	MD	605926.19	7255102.52	154.9	--	-90	2019	Y
75	MD-TH03	MD	605926.74	7255102.6	154.9	--	-90	2019	Y
76	WRSFD TH01	WRSF Dike	605414.509 / 605415.086	7255528.273 / 7255545.692	157.9 / 151.6	346	Slope	2019	Y
77	WRSFD TH02	WRSF Dike	605416.44	7255526.7	159.07	--	-90	2019	Y
78	WRSFD TH03	WRSF Dike	605414.98	7255545.01	155.29	--	-90	2019	Y (12/13 beads)
79	WRSFD TH04	WRSF Dike	605387.14	7255524.47	158.15	--	-90	2019	Y
80	WRSFD TH05	WRSF Dike	605428.59	7255566.21	153.63	--	-90	2019	Y (5/13 beads)
81	WRSFD TH06	WRSF Dike	605435.56	7255544.29	155.35	--	-90	2019	Y
82	WRSFD TH07	WRSF Dike	605466.94	7255541.78	155.13	--	-90	2019	Y

Line #	Name	Area	Easting (X)	Northing (Y)	Elevation (Z)	Azimuth	Dip	Installed	Active (Y) or (N)
83	WRSFD TH08	WRSF Dike	605384.991	7255544.818	159.886	--	-90	2019	Y (5/16 beads)
84	WRSFD TH09	WRSF Dike	605425.1	7255546.038	160.037	--	-90	2019	Y
85	PSW DH2 TH	Pit South Wall	606998.837	7255127.783	149.02	--	-90	2020	N
86	PSW DH3 TH	Pit South Wall	607016.336	7255140.383	148.041	--	-90	2020	N
87	PSW DH6 TH	Pit South Wall	607058.391	7255184.293	148.181	--	-90	2020	N
88	PSW DH7 TH	Pit South Wall	607070.111	7255198.772	148.734	--	-90	2020	N
89	PSW DH10 TH	Pit South Wall	607142.218	7255272.101	150.109	--	-90	2020	N
90	PSW DH11 TH	Pit South Wall	607155.955	7255287.46	151.241	250	-50	2020	N
91	PSW DH12 TH	Pit South Wall	607168.065	7255293.87	151.934	250	-50	2020	N
92	PSW DH13 TH	Pit South Wall	606980.7	7255276.8	145.398	--	-90	2020	N
93	PSW DH14 Th	Pit South Wall	606937.5	7255411.5	130.761	--	-90	2020	N
94	AMQ15-324	WT PIT	606496.8	7254995.2	161.79	323.41	-55	2015	N
95	AMQ – WT2_NW_TH	WT PIT	14373.989	7324.655	109.248	350	-10	2023	Y (15/16 beads)
96	PSW_Ramp_TH	WT PIT	14837.534	6898.047	31.3	--	-90	2024	Y
97	AMQ – PSW3 – DDH1_TH	WT PIT	607078.57	7255209.62	149.8	318.22	-48	2022	Y
98	AMQ17-1233	IVR	606778	7256254	162	252.71	-59	2017	N
99	AMQ17-1337	IVR	607078	7256522	155	260.37	-60	2017	N
100	V651A	IVR	607624.208	7256122.348	10163.28	333	-69	2019	Y
101	BH-T2	IVR D1	607850.8	7255563.9	164.303	--	-90	2019	N
102	BH-4	IVR D1	608048	7255442	163.982	--	-90	2019	N
103	IVR D1 TH1	IVR D1	607909.036	7255508.205	164.486	30 / 210	Liner	2021	Y
104	IVR D1 TH2	IVR D1	607908.144	7255506.309	164.895	--	-90	2021	Y
105	IVR D1 TH3	IVR D1	607912.603	7255515.354	165.1	--	-90	2021	Y
106	IVR D1 TH4	IVR D1	607906.637	7255503.624	165.76	--	-90	2021	Y
107	IVR D1 TH5	IVR D1	607899.06	7255512.94	159.666	120	Key Trench	2021	Y
108	IVR D1 TH6	IVR D1	607923.8	7255480.4	162.08	--	-90	2021	Y
109	IVR D1 TH7	IVR D1	607930.032	7255525.355	162.12	--	-90	2021	N
110	AMQ21-2577A (M003)	Mammoth	605586.328	7254641.908	10156.648	336.1	-54	2021	Y
111	AMQ22-2762 (Long TH)	Mammoth	605363.6	7254674.8	5153.826	336	-65	2022	Y
112	AMQ22-2761 (Long TH)	Whale Tail	606073.6	7255502	5160.646	131.7	-62	2022	Y
113	AMQ22-2760 (Long TH)	IVR	607679.3	7256022.9	5164.106	193	-74	2022	Y
114	BH23-01 (MD-2_TH-01)	Mammoth	604737.917	7254814.747	153.835	--	-90	2023	Y (2/16 beads)
115	BH23-03 (MD-2_TH-02)	Mammoth	604788.98	7254682.294	152.661	--	-90	2023	N (0/16)
116	BH23-06 (MD-2_TH-03)	Mammoth	604867.121	7254511.269	153.441	--	-90	2023	N (Logger Removed)
117	THERM01_243	Underground	607003.969	7255410.001	9926.9	339	-65	2020	N
118	THERM02_275	Underground	606861.274	7255309.315	9911.05	38	-50	2020	N
119	THERM03_380	Underground	607209.94	7255592.8	9968.536	352	-59	2020	N
120	THERM04_310	Underground	607009.0001	7255407.6	9926.9	35	-50	2020	N
121	AMQ15-294	WT Pit	607073.2	7255676.1	155.93	322.67	-45	2015	N
122	AMQ15-349 A	WT Pit	607064.9	7255627.5	155.3	204.41	-45	2015	N
123	AMQ15-421	WT Pit	607098.3	7255490.8	155.09	273.93	-51	2015	N
124	AMQ15-306	WT Pit	606714.8	7255363.8	154.92	96.3	-45	2015	N

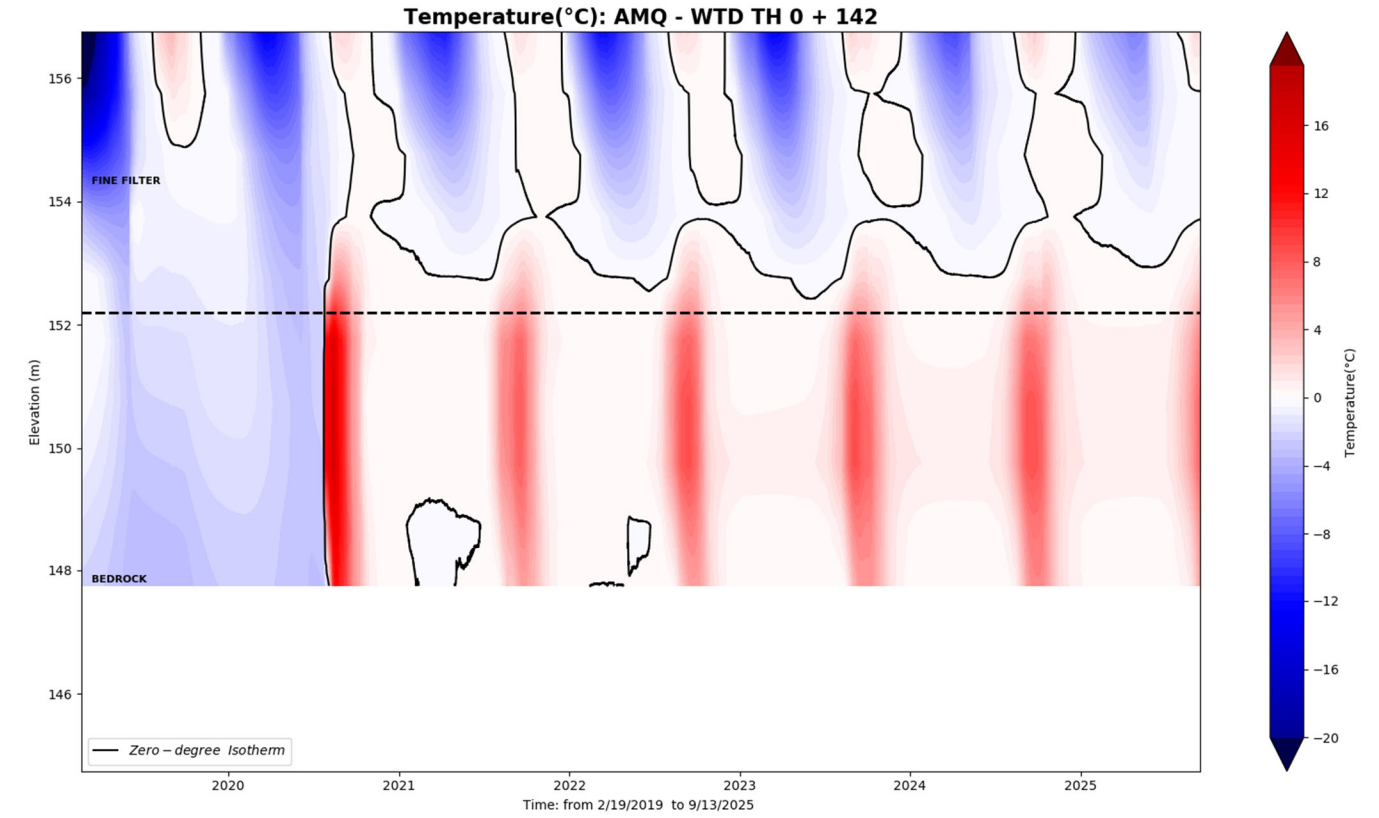
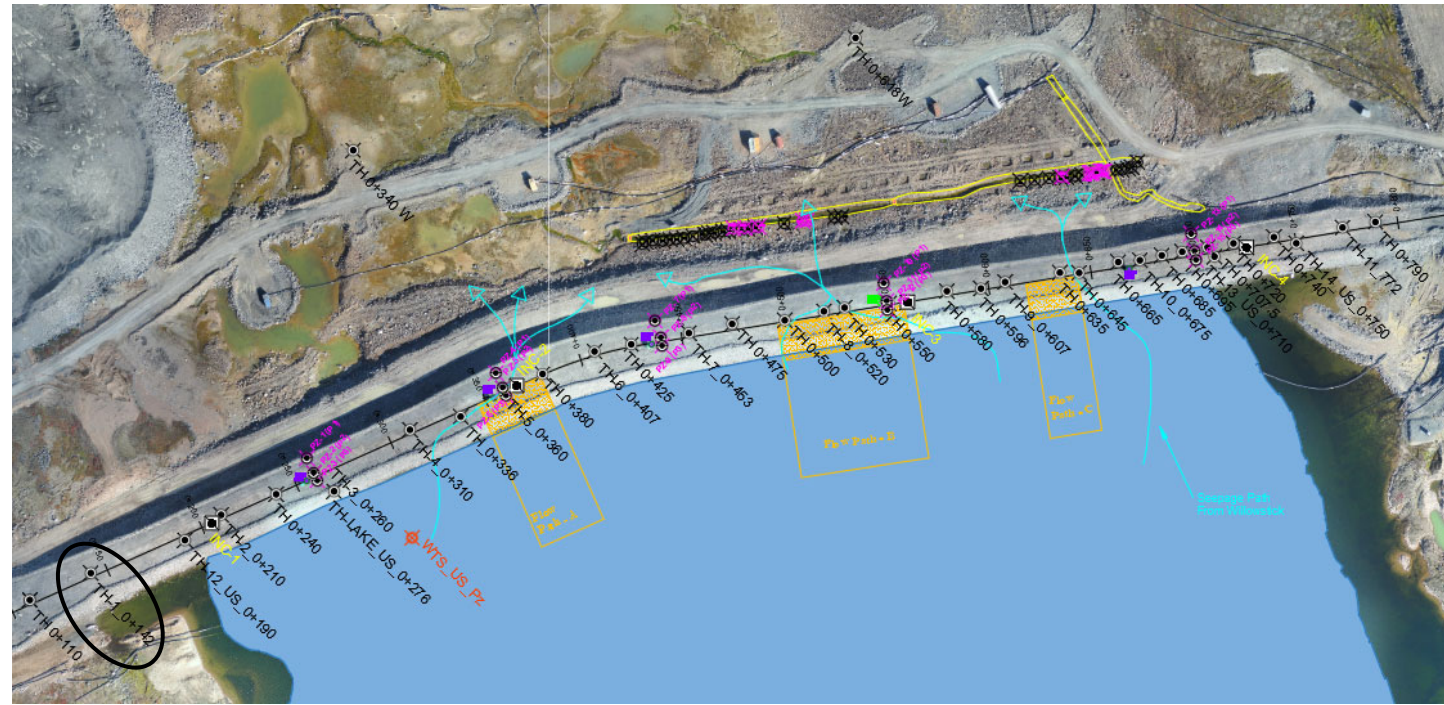
Line #	Name	Area	Easting (X)	Northing (Y)	Elevation (Z)	Azimuth	Dip	Installed	Active (Y) or (N)
125	AMQ15-452	WT Pit	606627.2	7255687.9	156.16	159.5	-50	2015	N
126	AMQ17-1159	WTD	607580.2	7254827.6	152.56	--	-90	2017	N
127	AMQ17-1188	WTD	607209.9	7254681.3	151.76	--	-90	2017	N
128	AMQ17-1265 A (2 TH,Lake)	WT Pit	606950	7255414	140	196.03	-80	2017	N
129	AMQ17-1277 A	WT Pit	606911	7255964	153	193.06	-60	2017	N
130	AMQ17-1164A	WTD	607415.60	7254779.33	151.57	--	-90	2017	N
131	MD-02-2015	MD	605906.1	7255094.5	152.269	--	-90	2015	N
132	WTD-2015-03	WTD	607311.61	7254712.18	151.81	--	-90	2015	N
133	Stkd100 (West Shore)	WTD	607138.63	7254644.04	156.52	--	-90	2017	N
134	Stkd101	WTD	607157.76	7254651.69	156.84	--	-90	2017	N
135	Stkd102	WTD	607173.06	7254659.34	154.12	--	-90	2017	N
136	Stkd311	WTD	607497.51	7254774.35	153.41	--	-90	2017	N
137	310	WTD	607520.46	7254789.65	154.51	--	-90	2017	N
138	309A	WTD	607547.20	7254811.60	154.72	--	-90	2017	N
139	TMRCK1	WTD	607576.28	7254869.75	153.87	--	-90	2017	N
140	TMRCK2	WTD	607606.88	7254888.11	153.92	--	-90	2017	N
141	TMRCK3 (East Shore)	WTD	607638.25	7254906.47	154.73	--	-90	2017	N
142	Stkd298	WTD	607705.24	7254760.58	154.42	--	-90	2017	N
143	Stkd299 (East Shore)	WTD	607689.94	7254751.01	153.74	--	-90	2017	N
144	Stkd301	WTD	607683.05	7254741.83	153.39	--	-90	2017	N
145	UG Shop-Inside	AMQ	607760.00	7255720.00	165.00	--	-90	2025	N (Logger Removed)
146	UG Shop-Outside	AMQ	607770.00	7255699.00	165.00	--	-90	2025	N (Logger Removed)

Note: In December 2025 a few datalogger batteries fully depleted; causing one reading to appear as a straight line for some thermistors. Once batteries were replaced readings returned back to normal.

WTD-TH 0+110

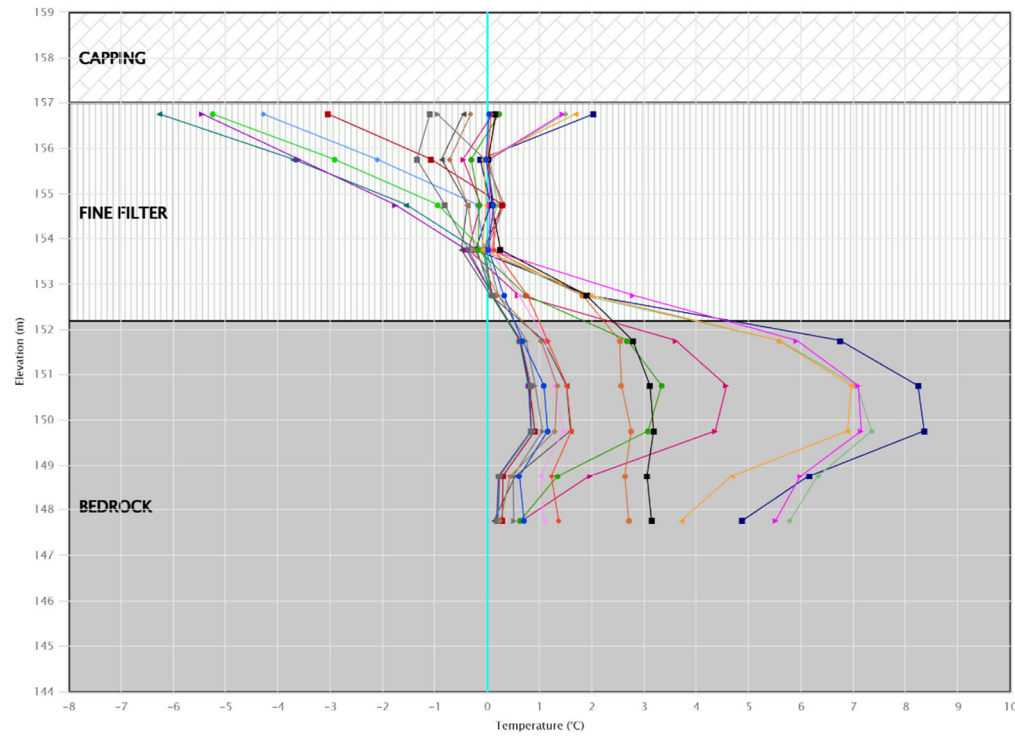


WTD-TH 0+142



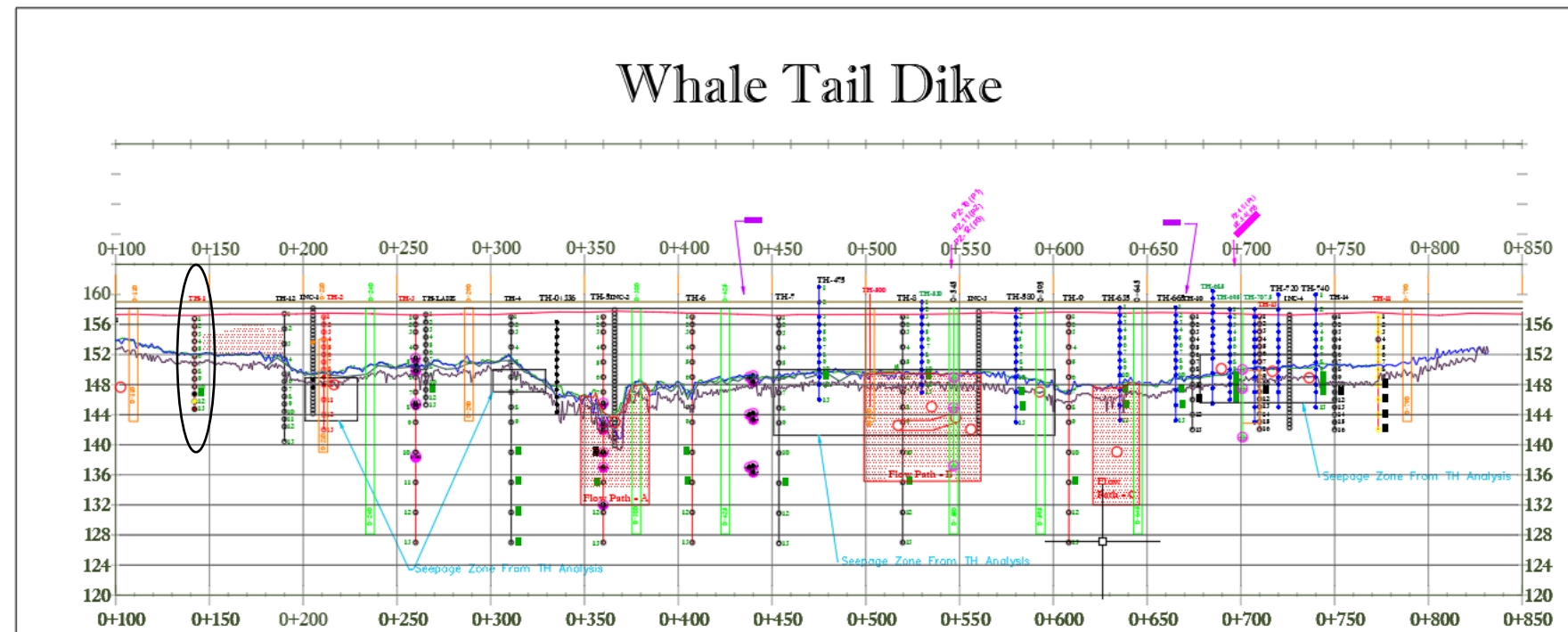
AMQ – WTD TH: 0+142

Bead #11 to #13 removed

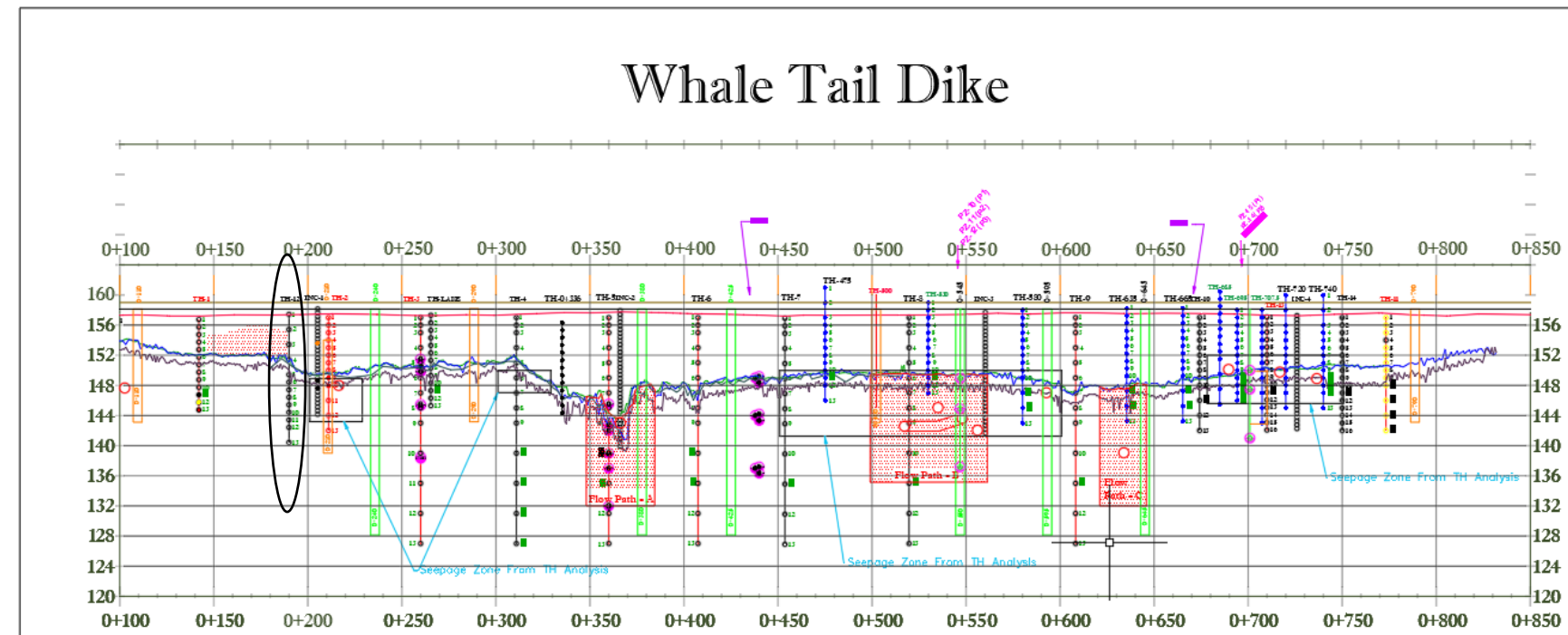
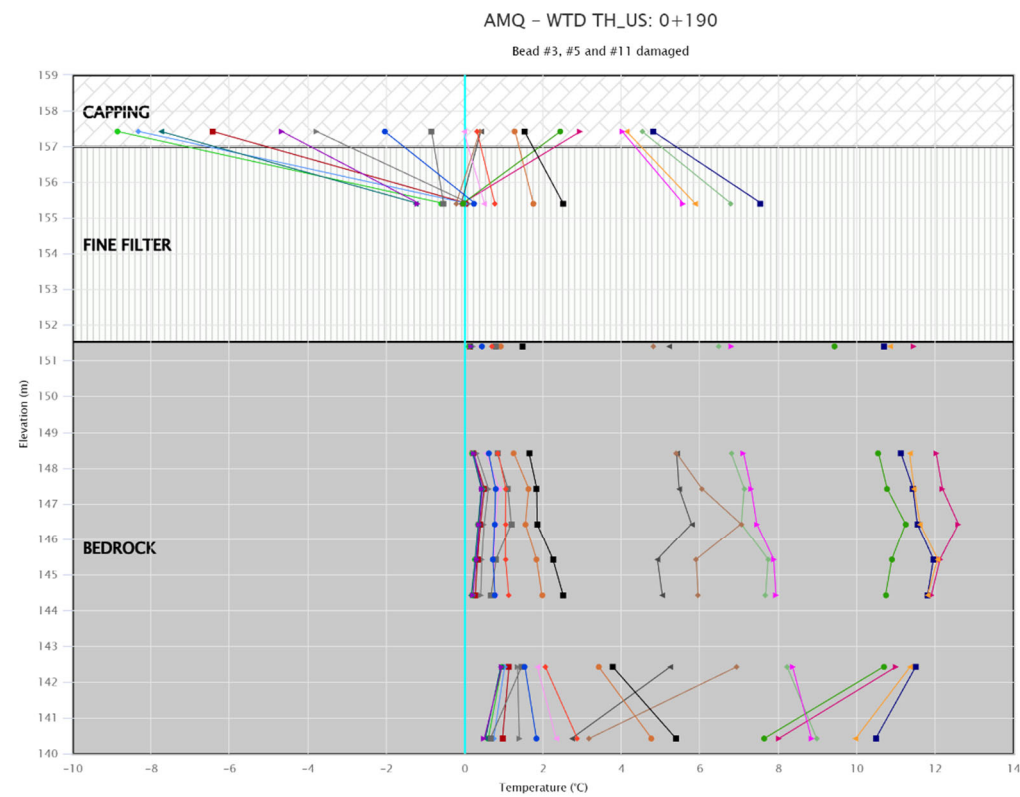
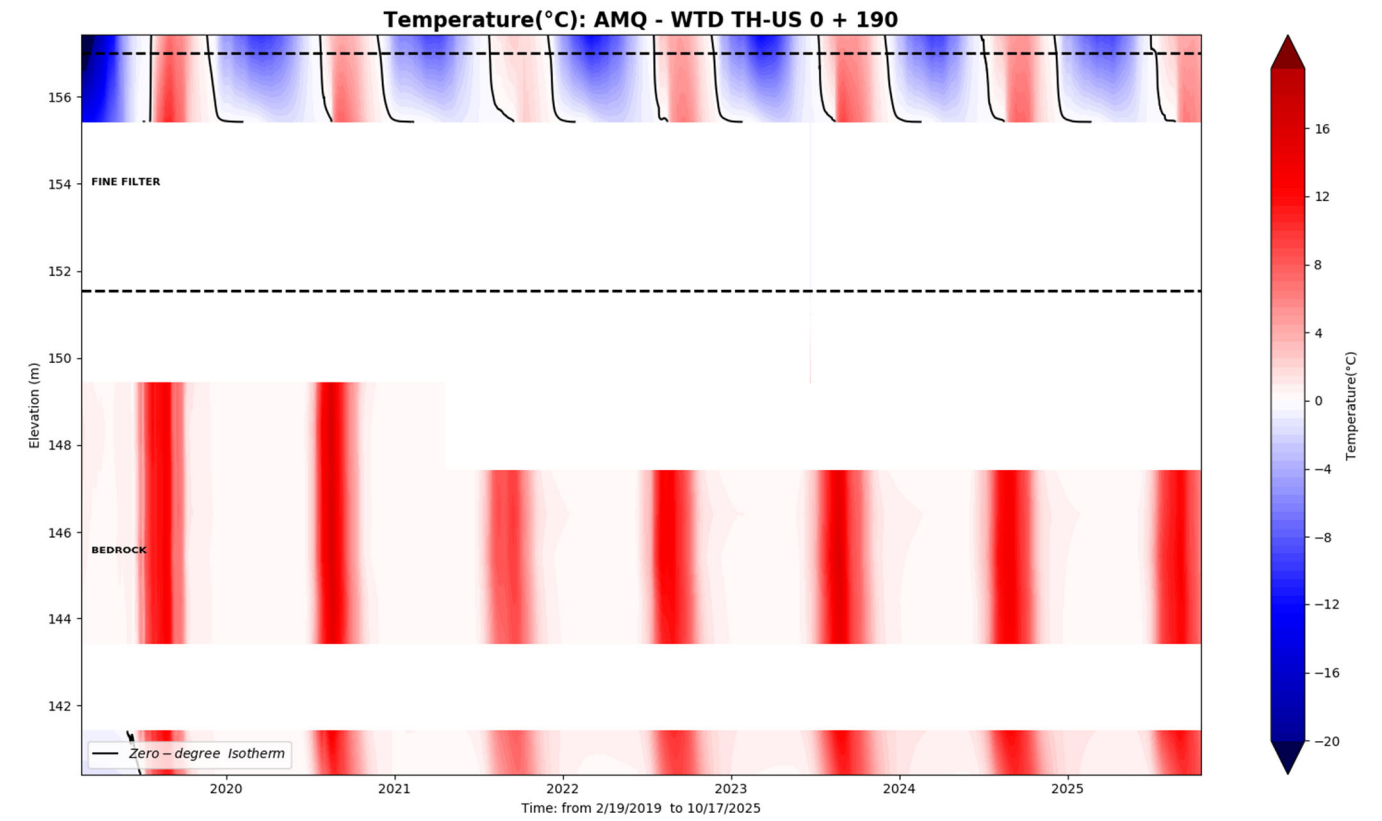
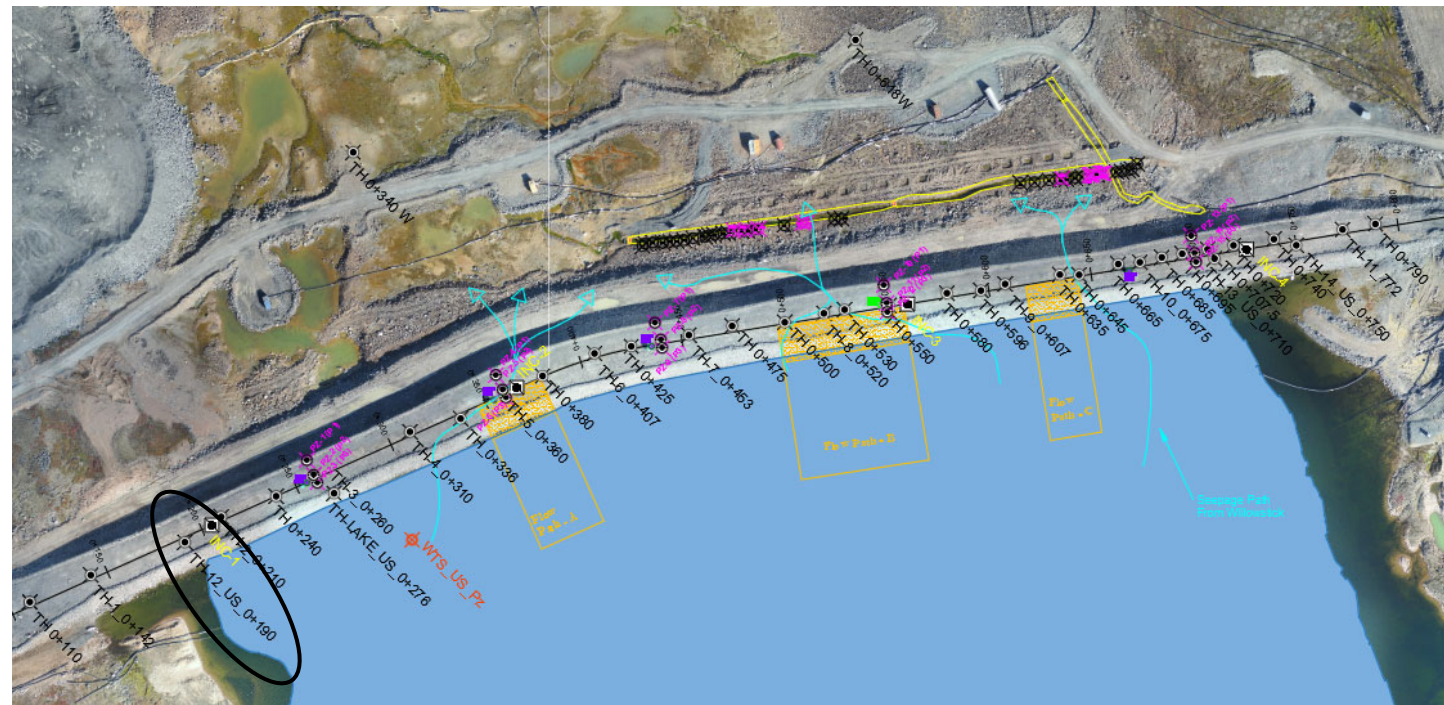


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- 2025-11-05 00:00
- 2025-10-08 00:00
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- Limit Profile

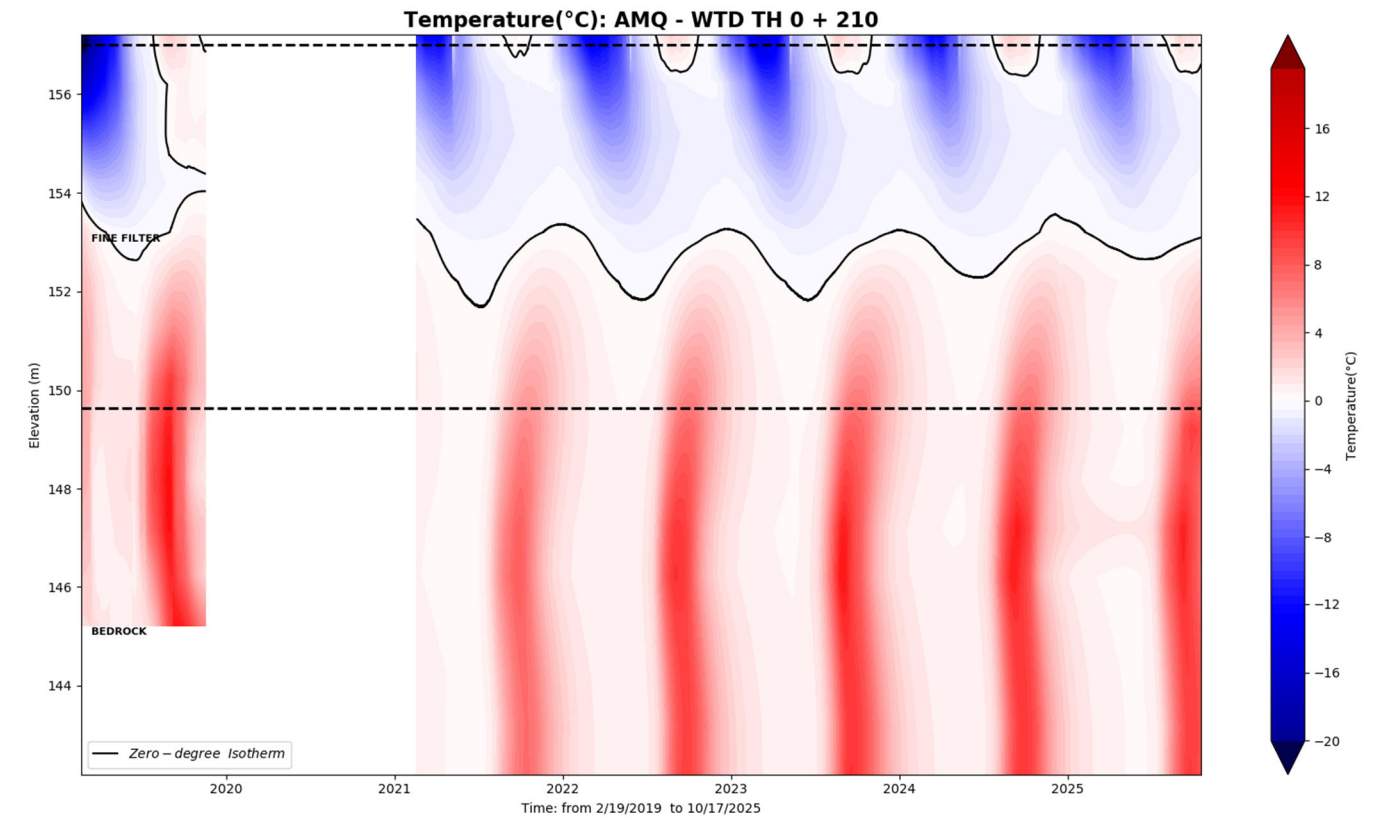
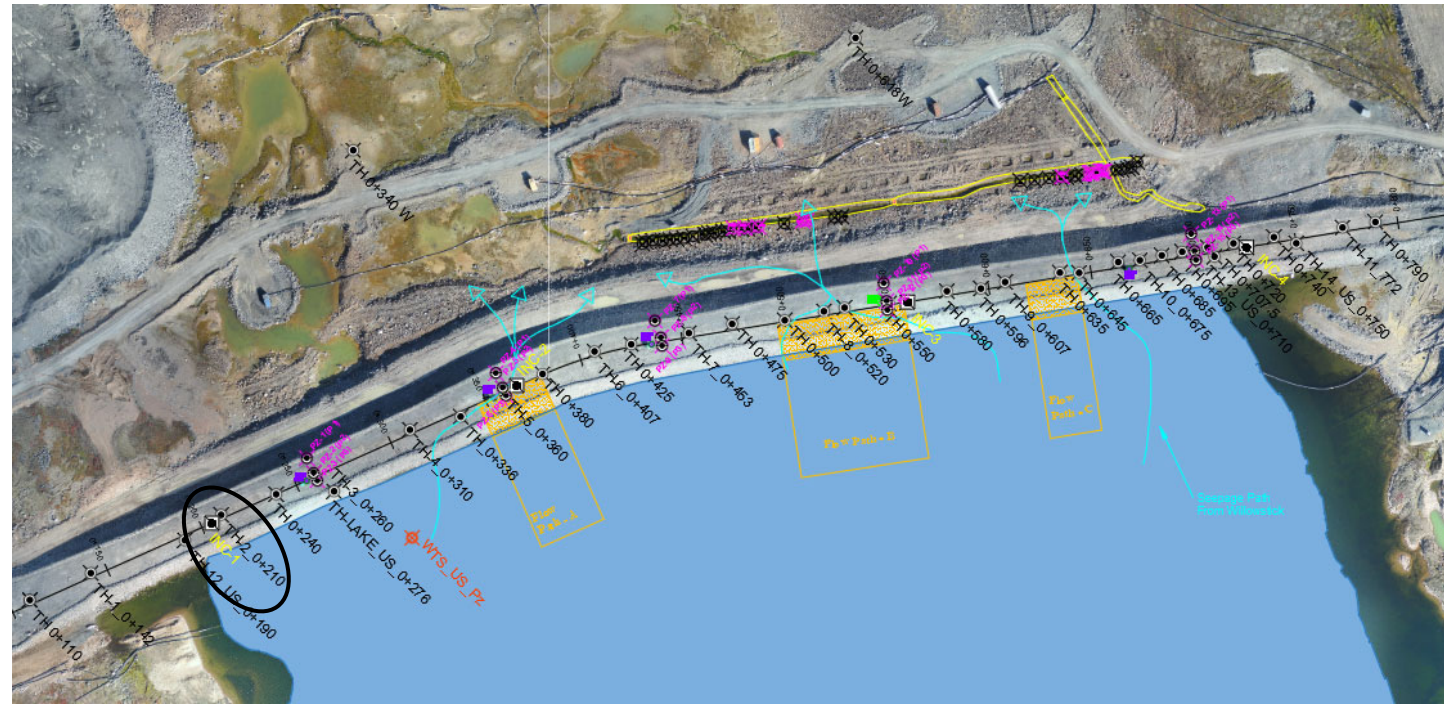
Whale Tail Dike



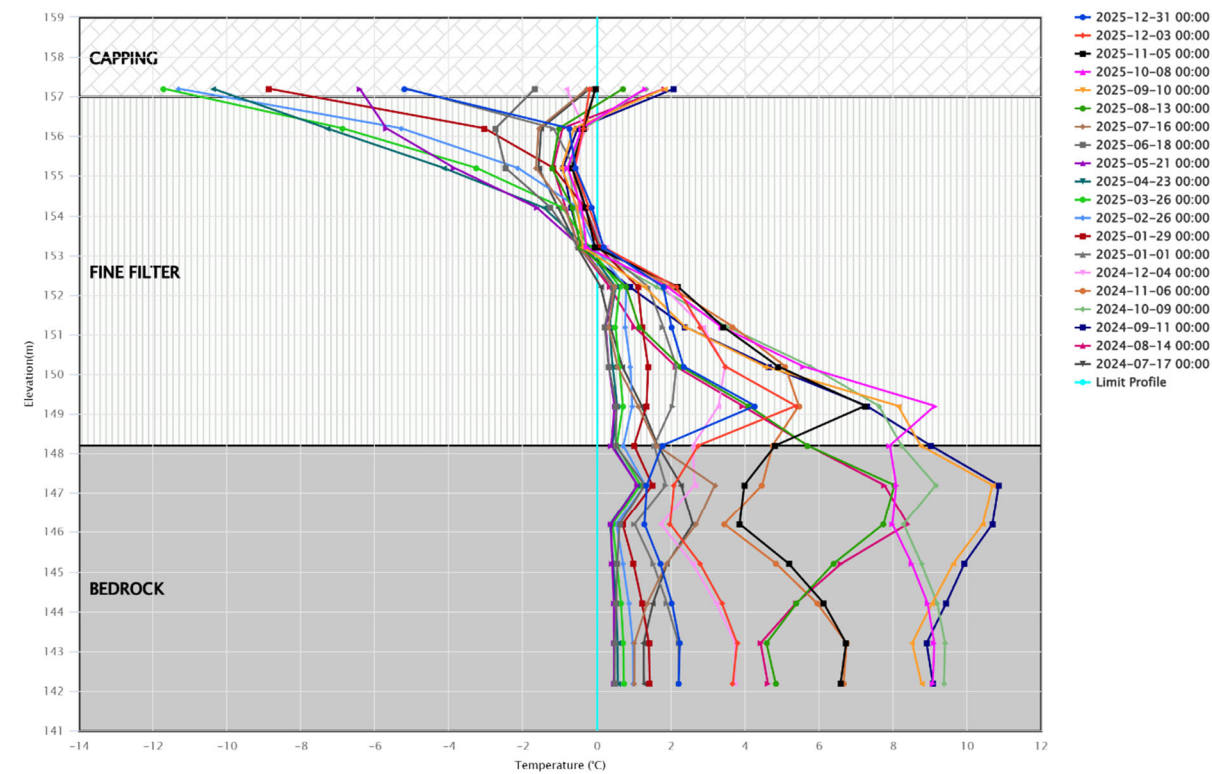
WTD-TH 0+190 U/S



WTD-TH 0+210

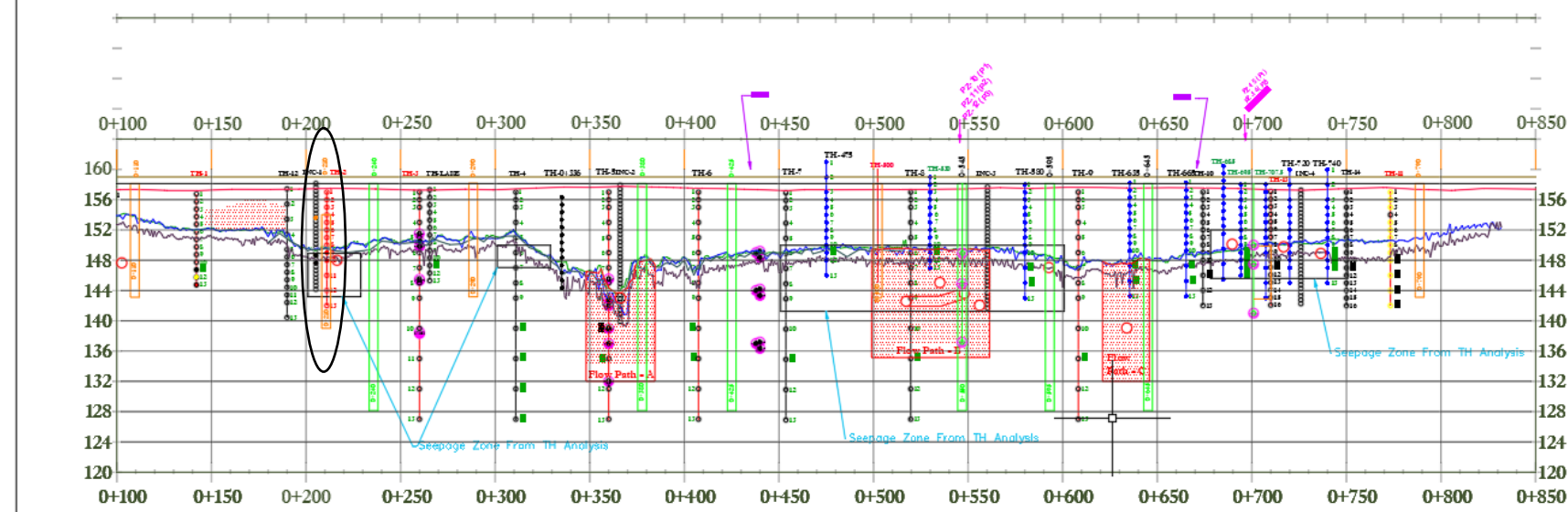


AMQ - WTD TH: 0+210_R

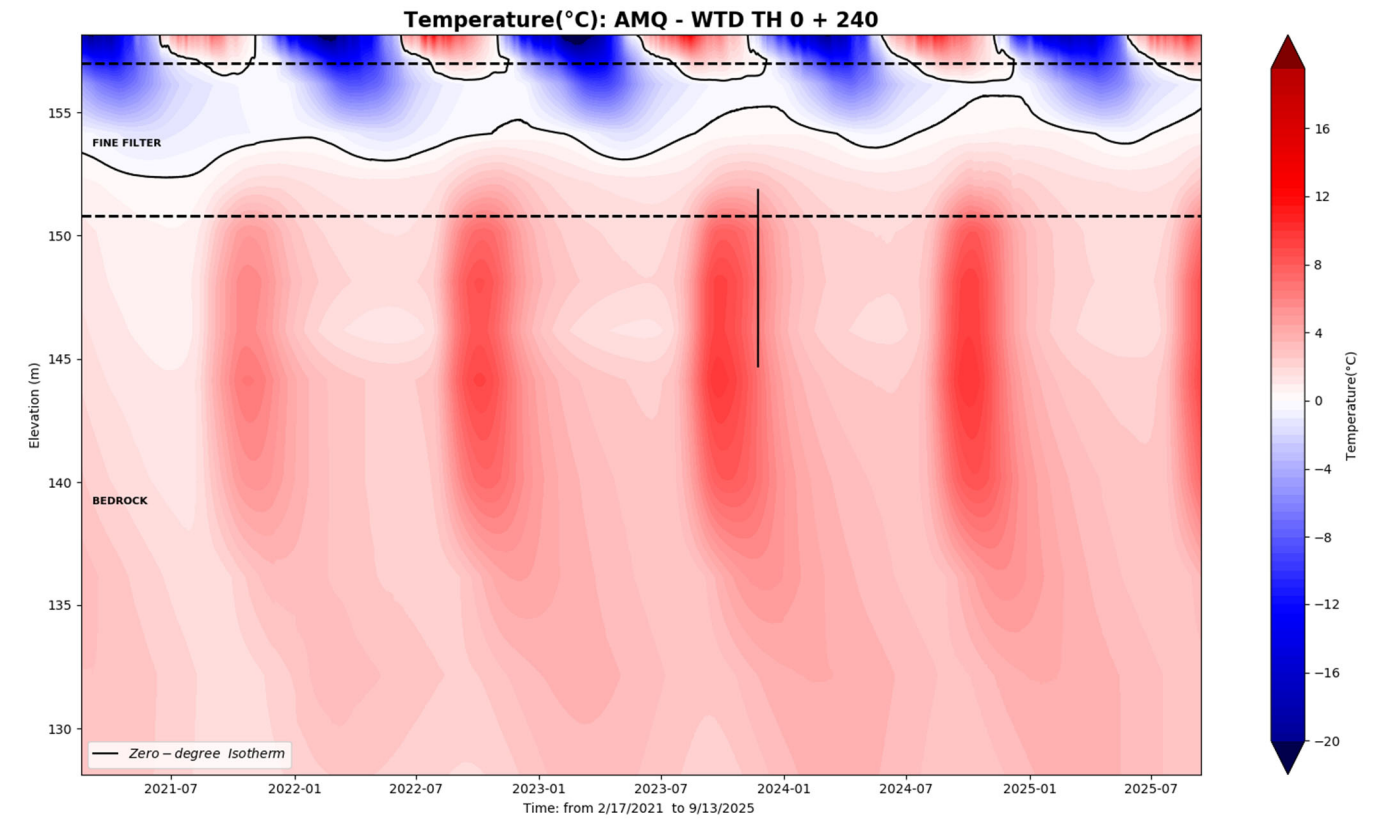
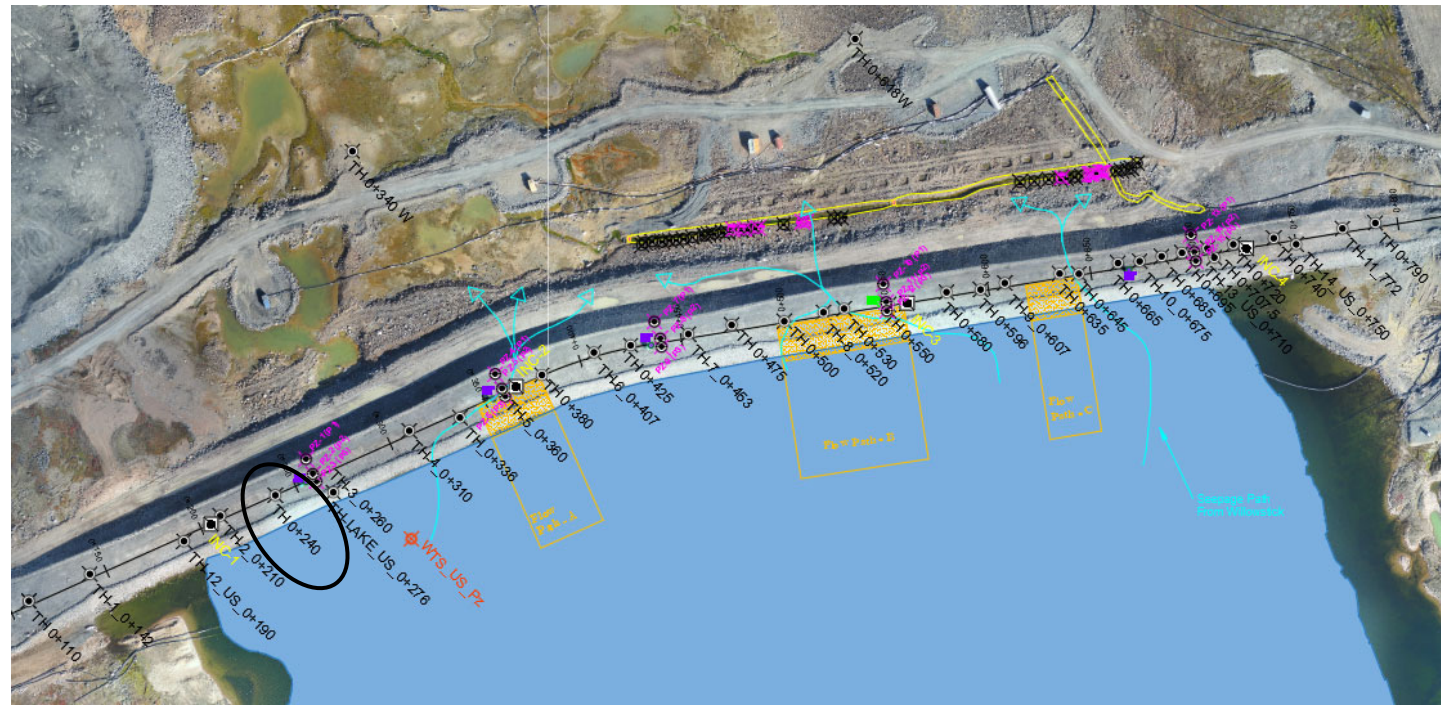


Thermistor string damaged by drilling. No dataset between Oct 2019 and February 2021. TH replaced

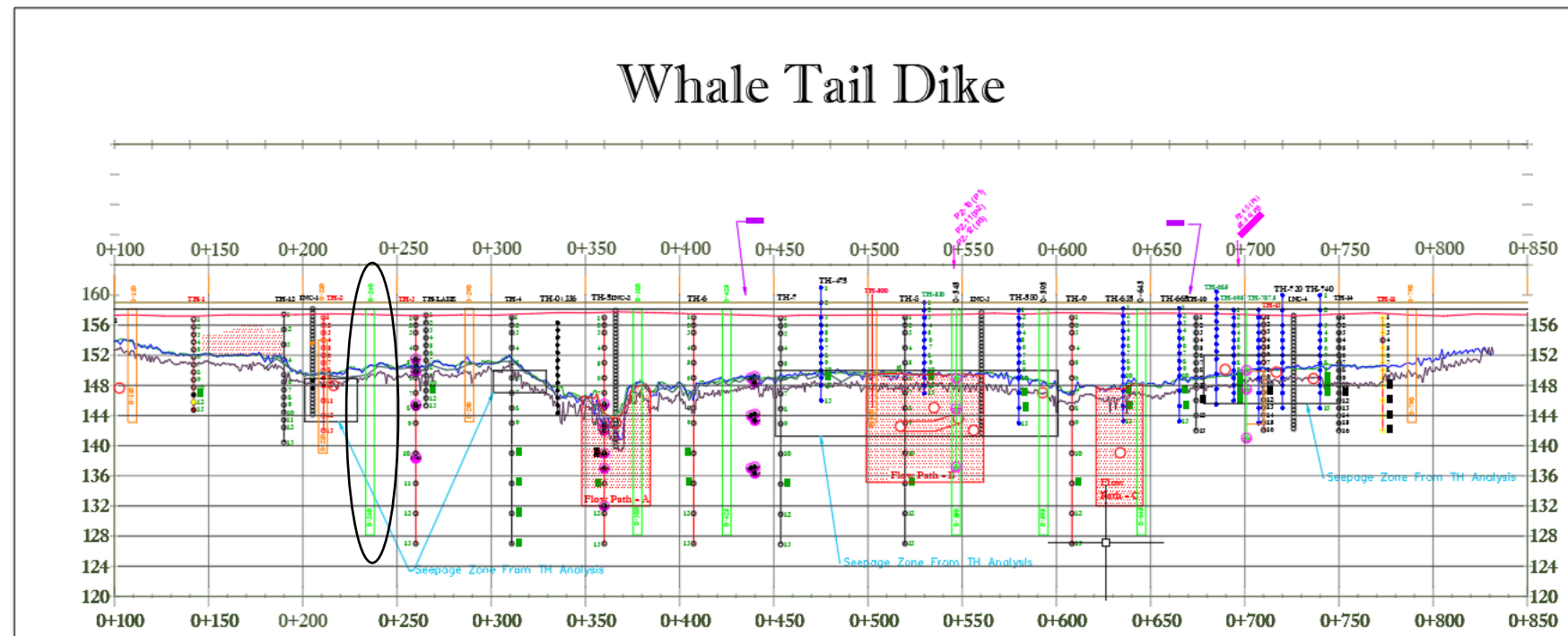
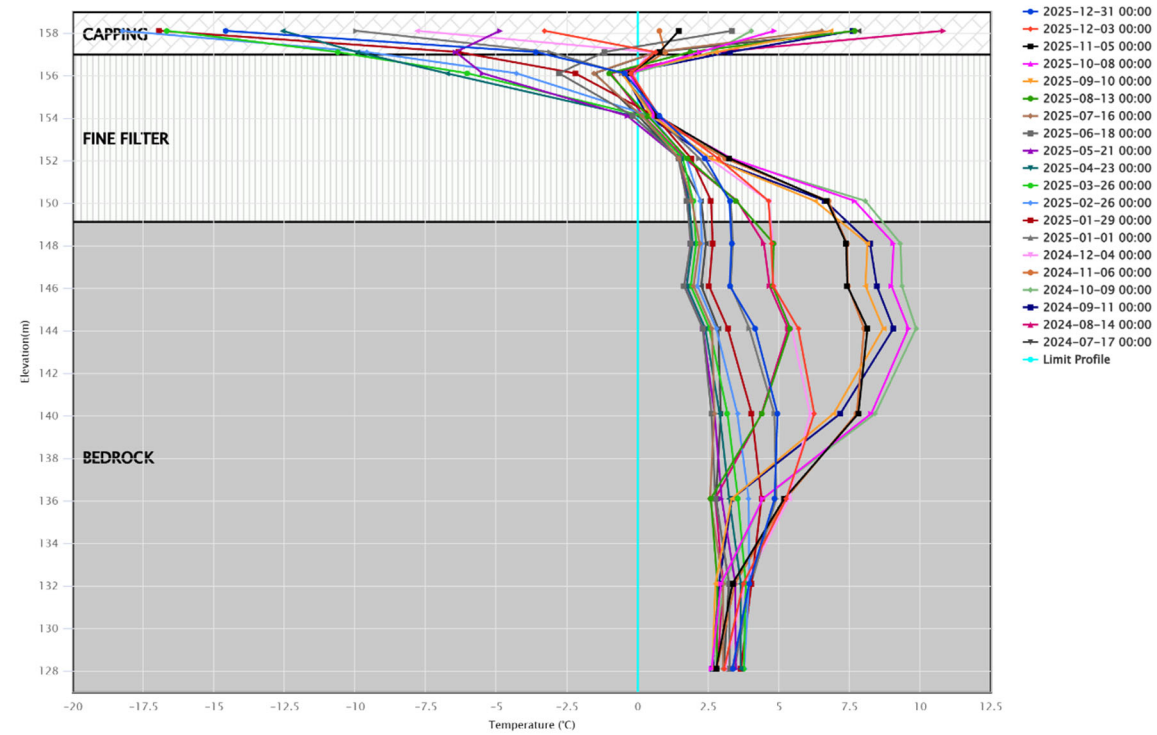
Whale Tail Dike



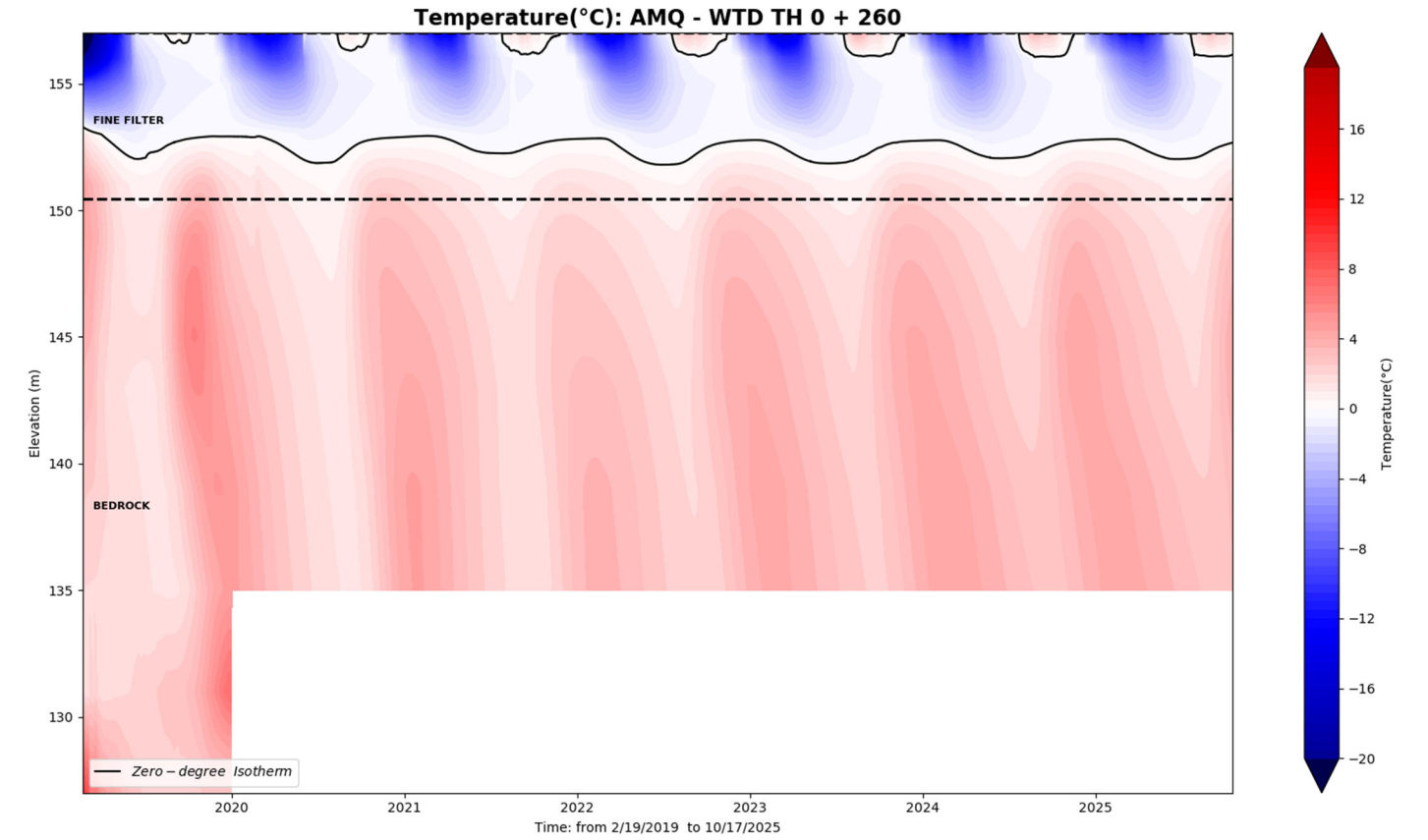
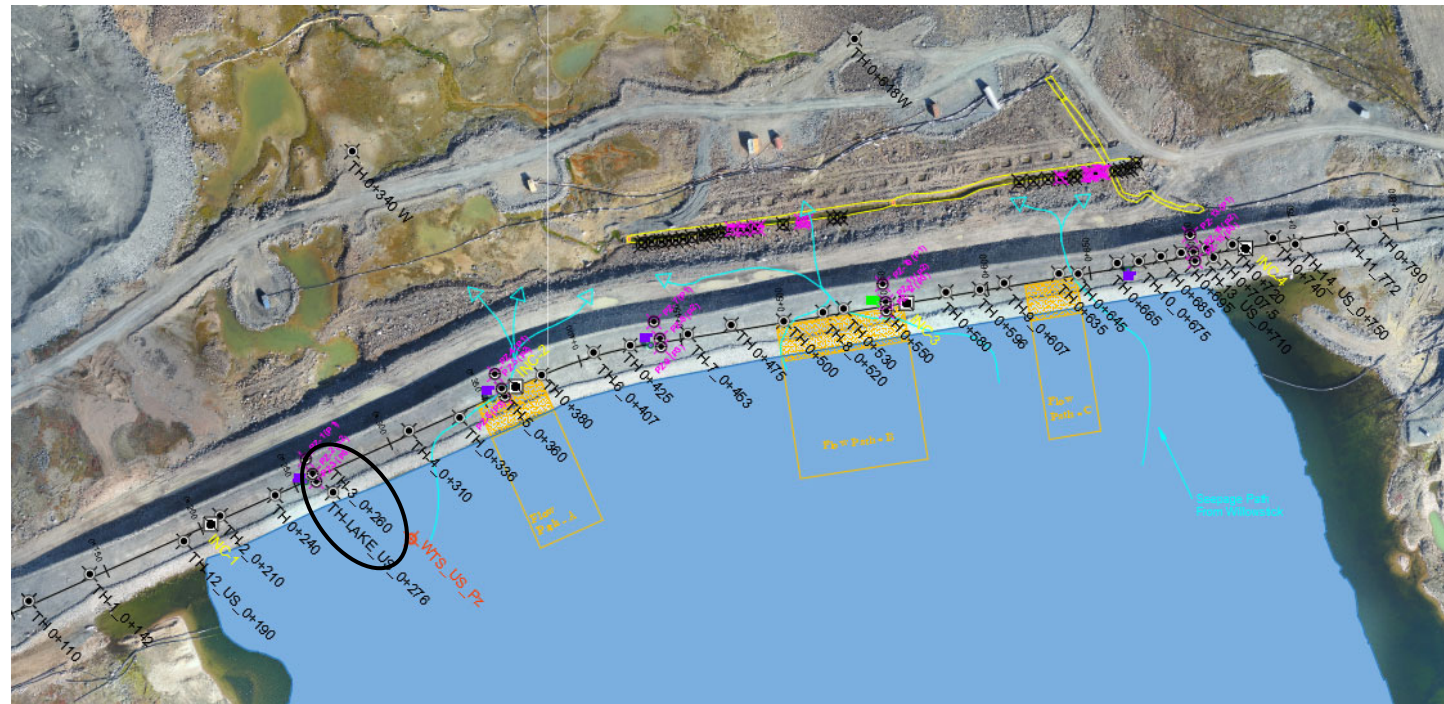
WTD-TH 0+240



AMQ - WTD TH: 0+240

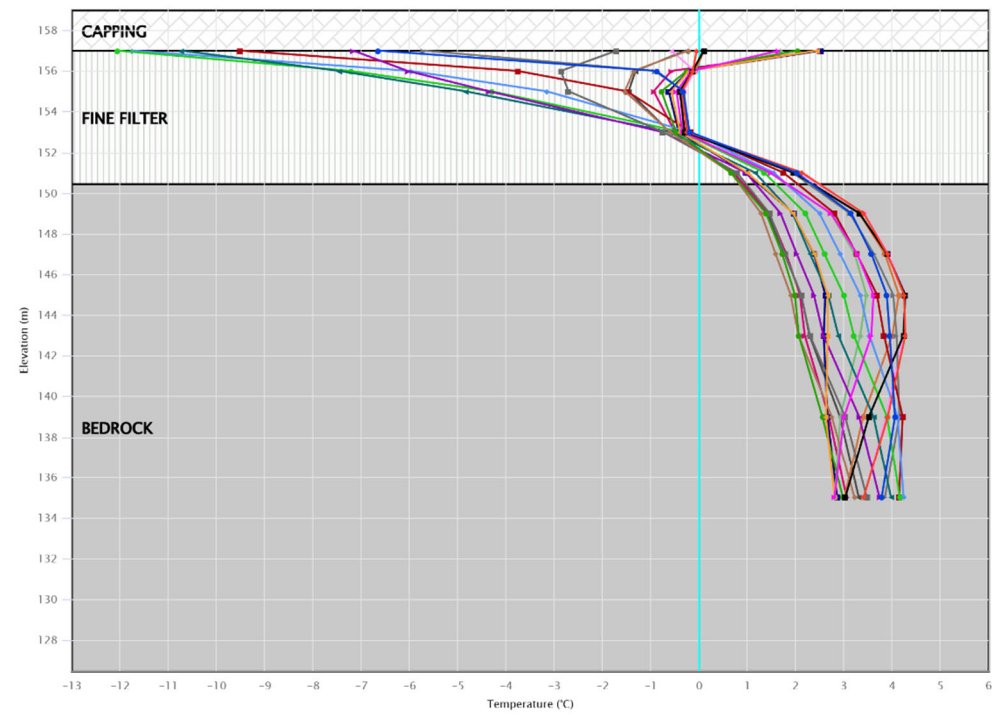


WTD-TH 0+260



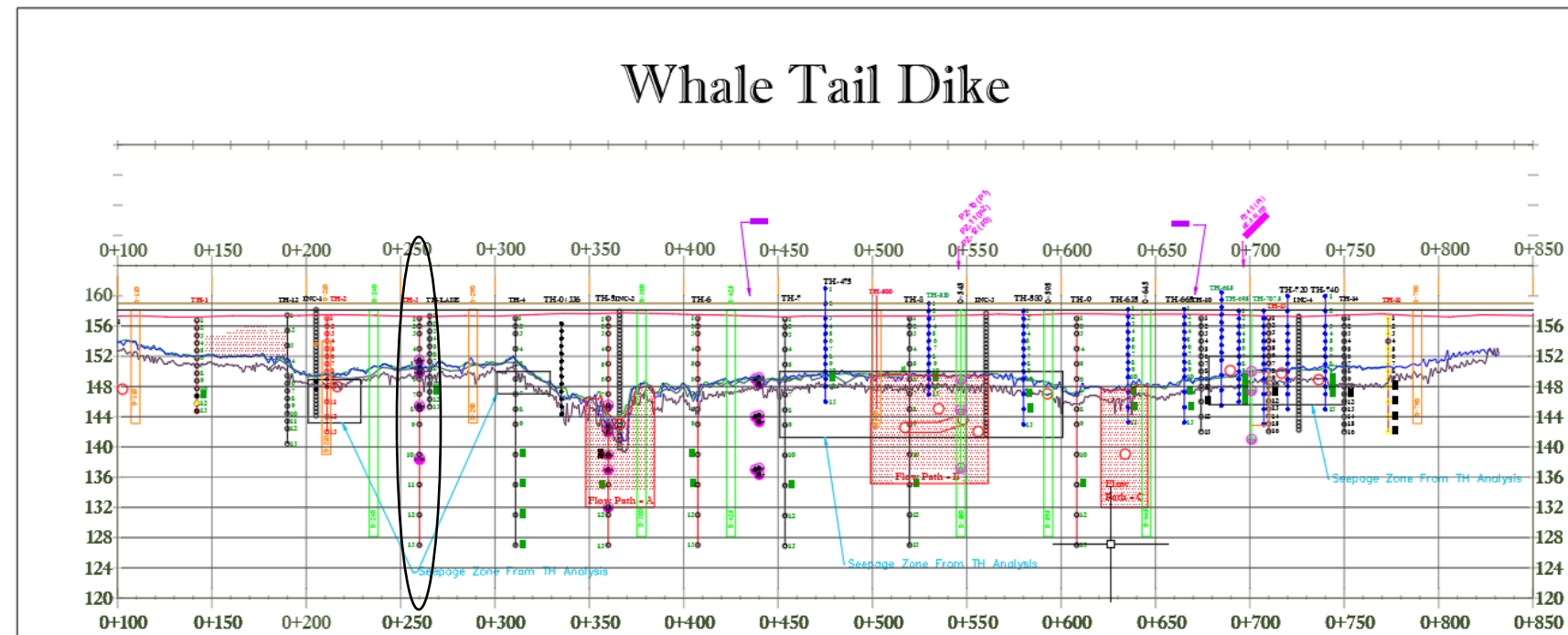
AMQ - WTD TH: 0+260

Bead #12 and #13 removed

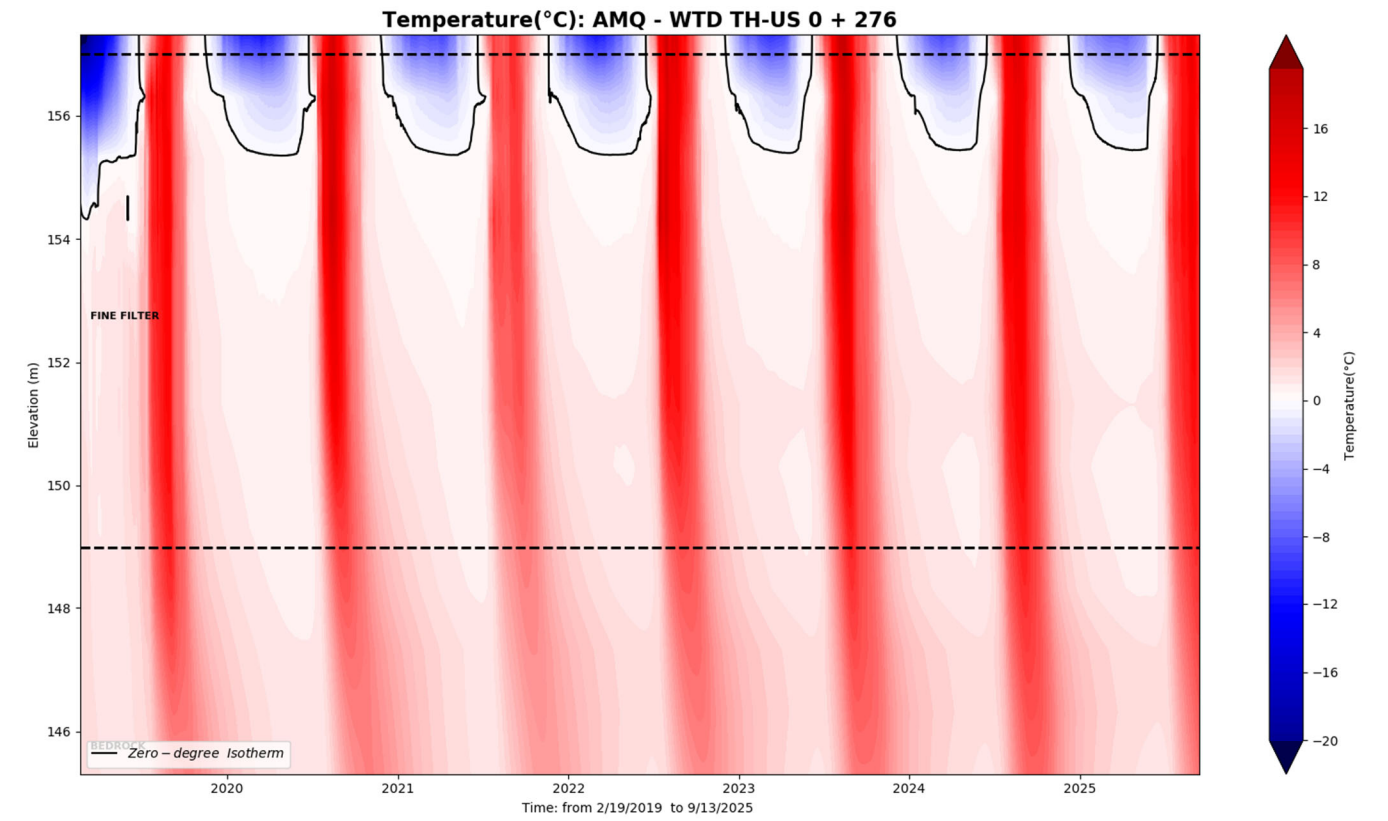
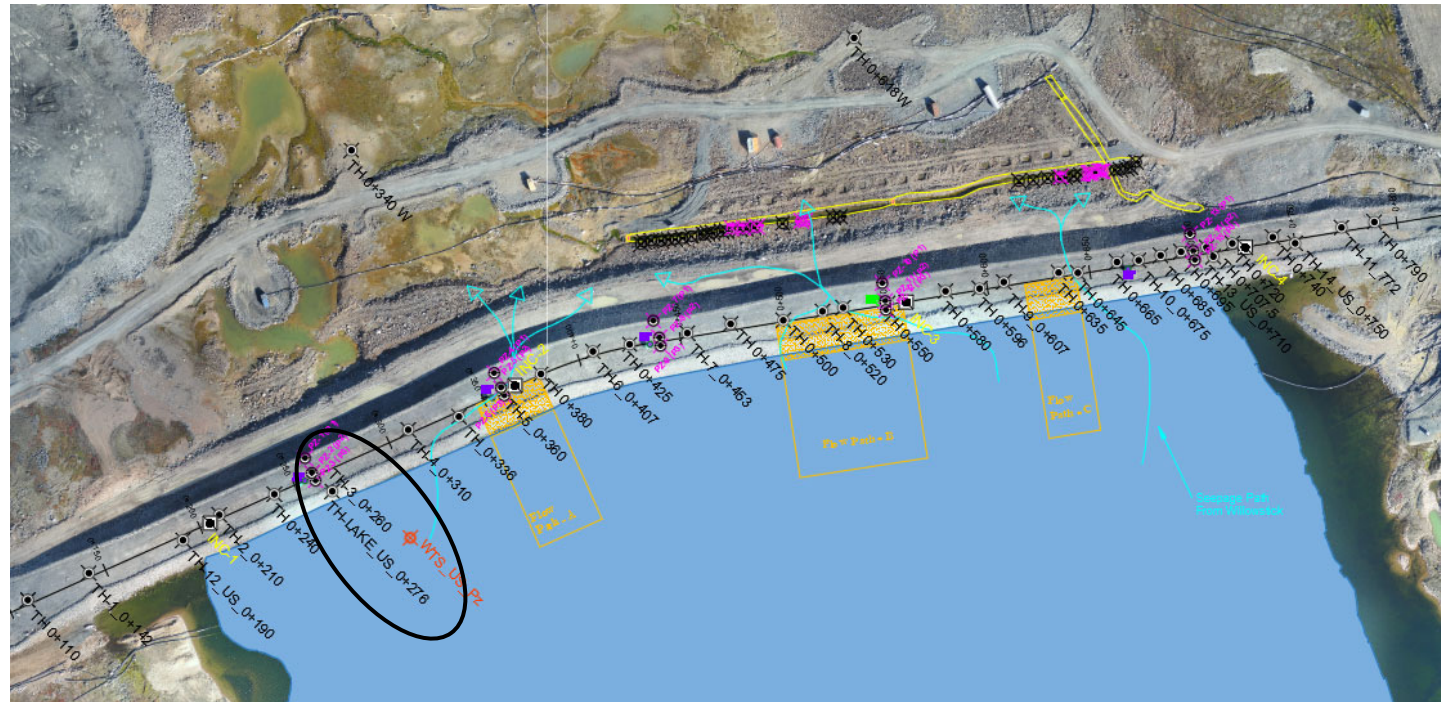


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- Limit Profile

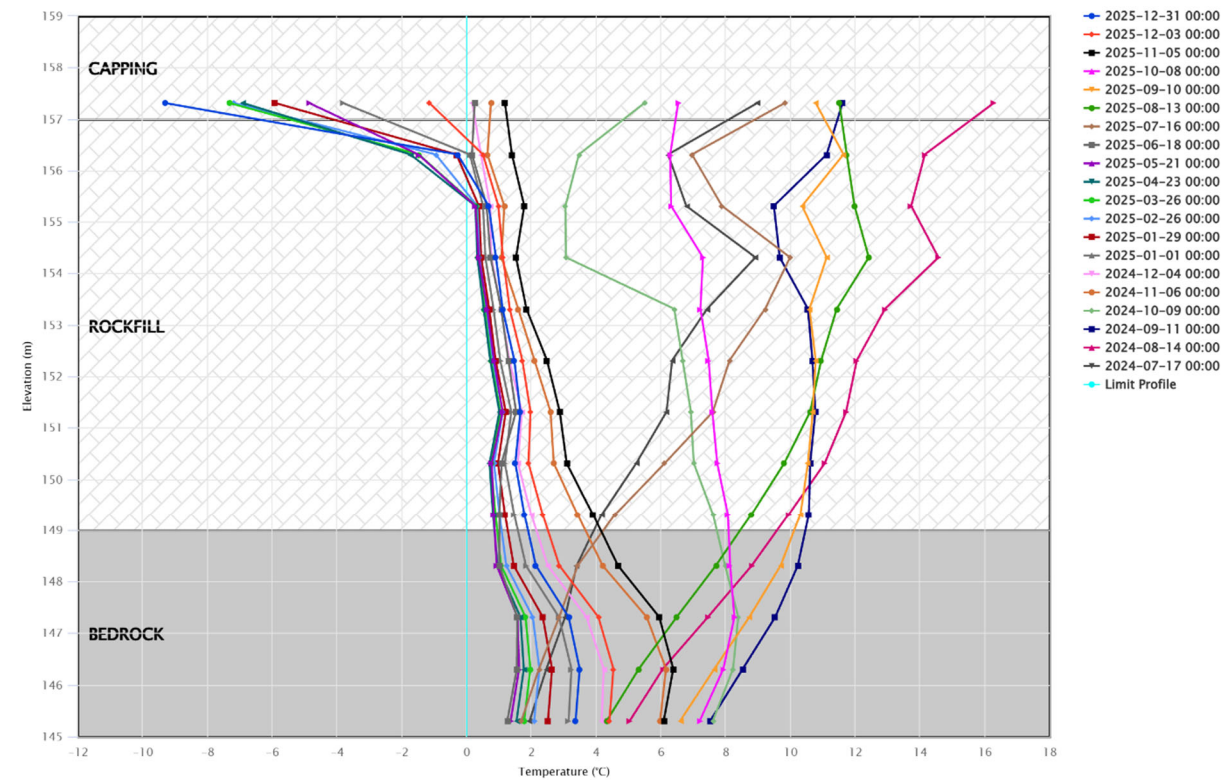
Whale Tail Dike



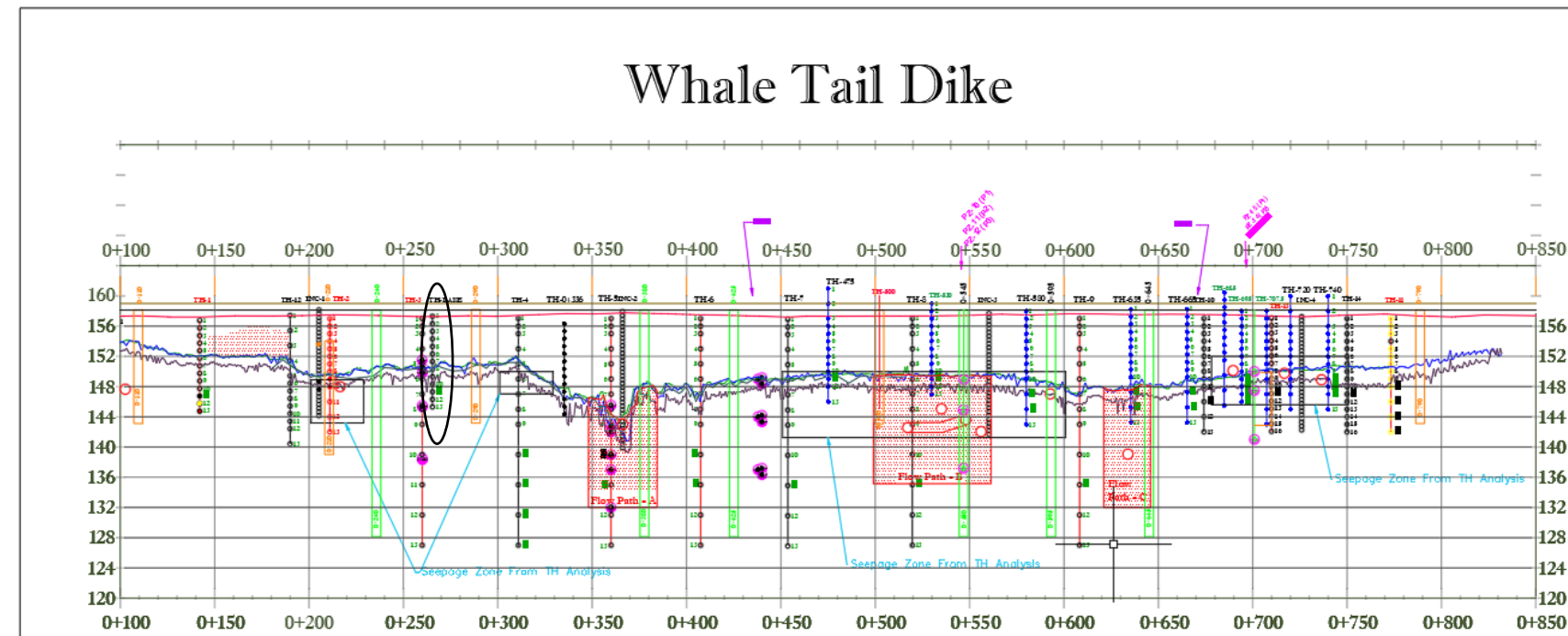
WTD-TH 0+276 U/S



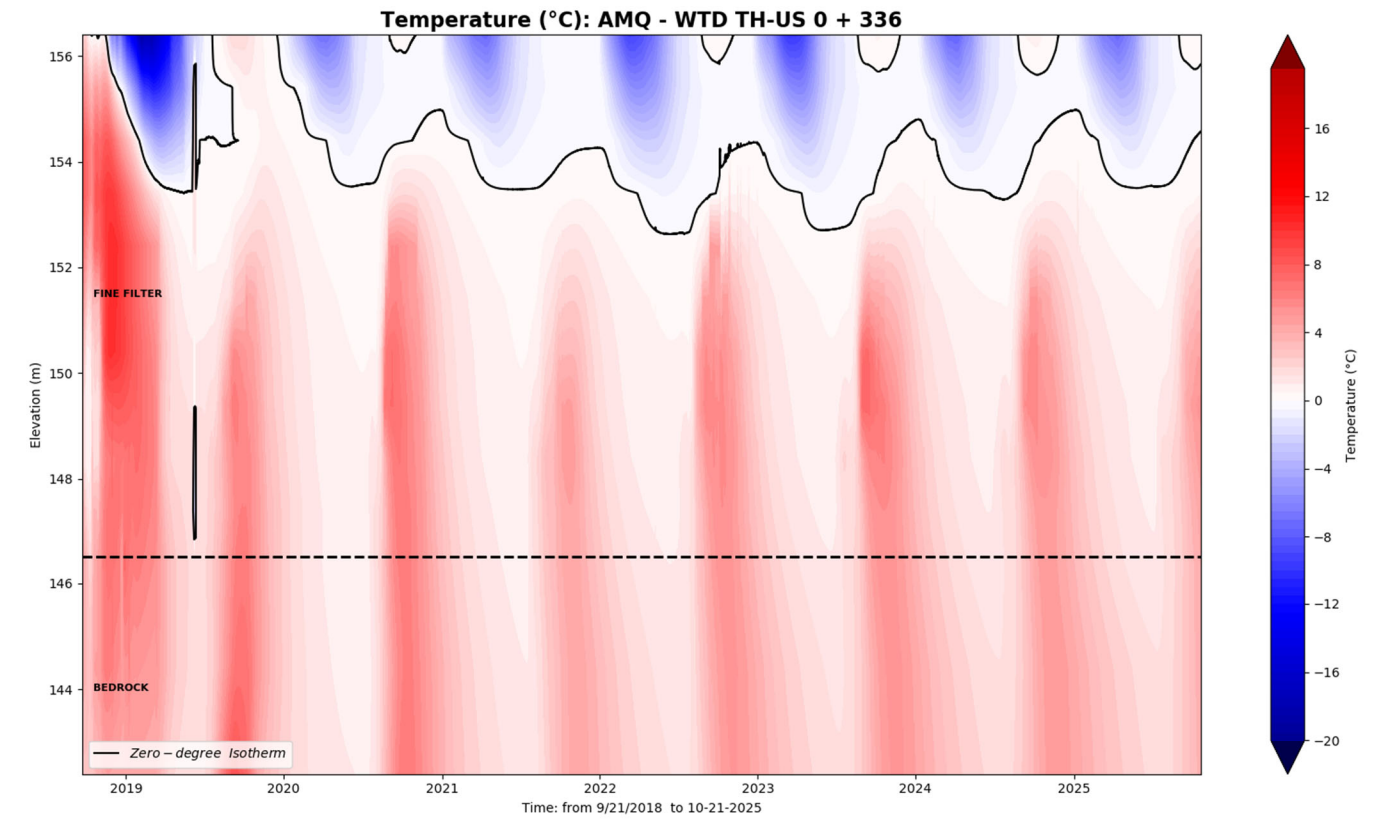
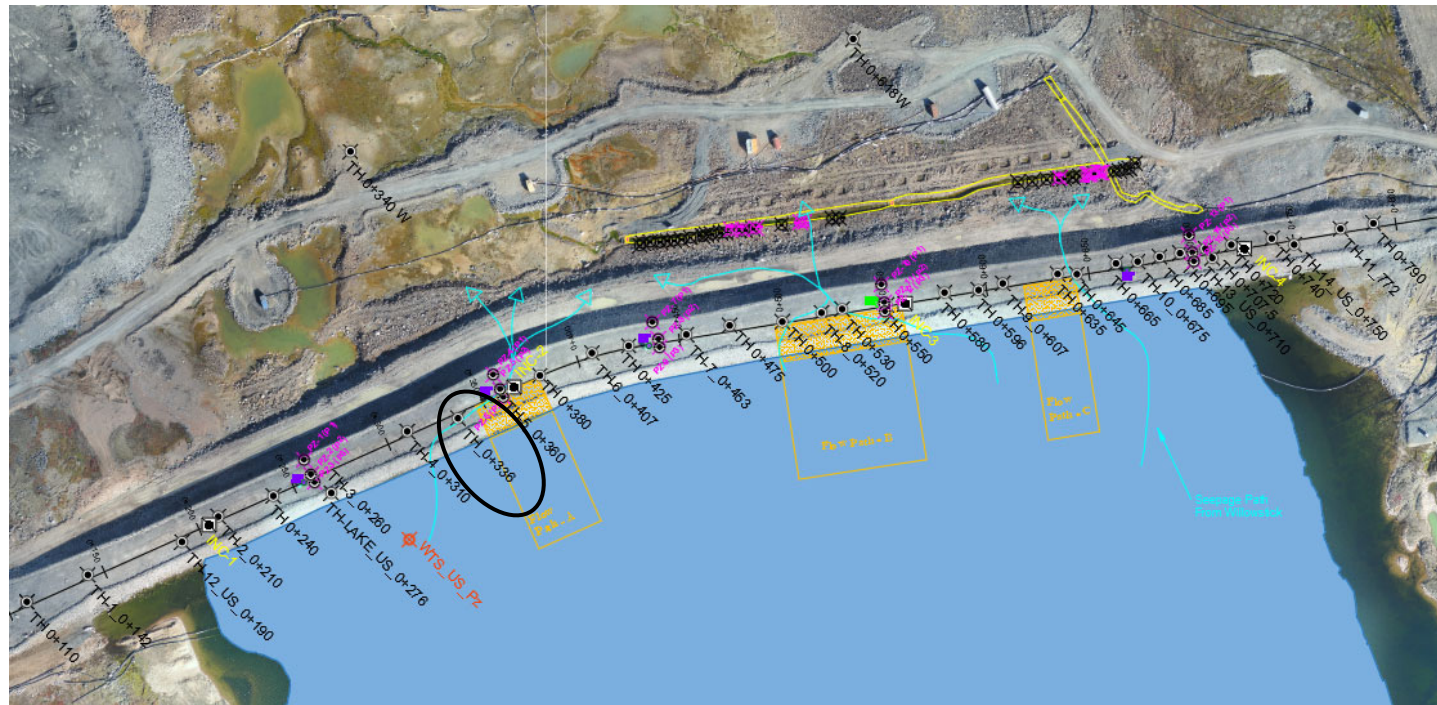
AMQ - WTD TH_US: 0+276



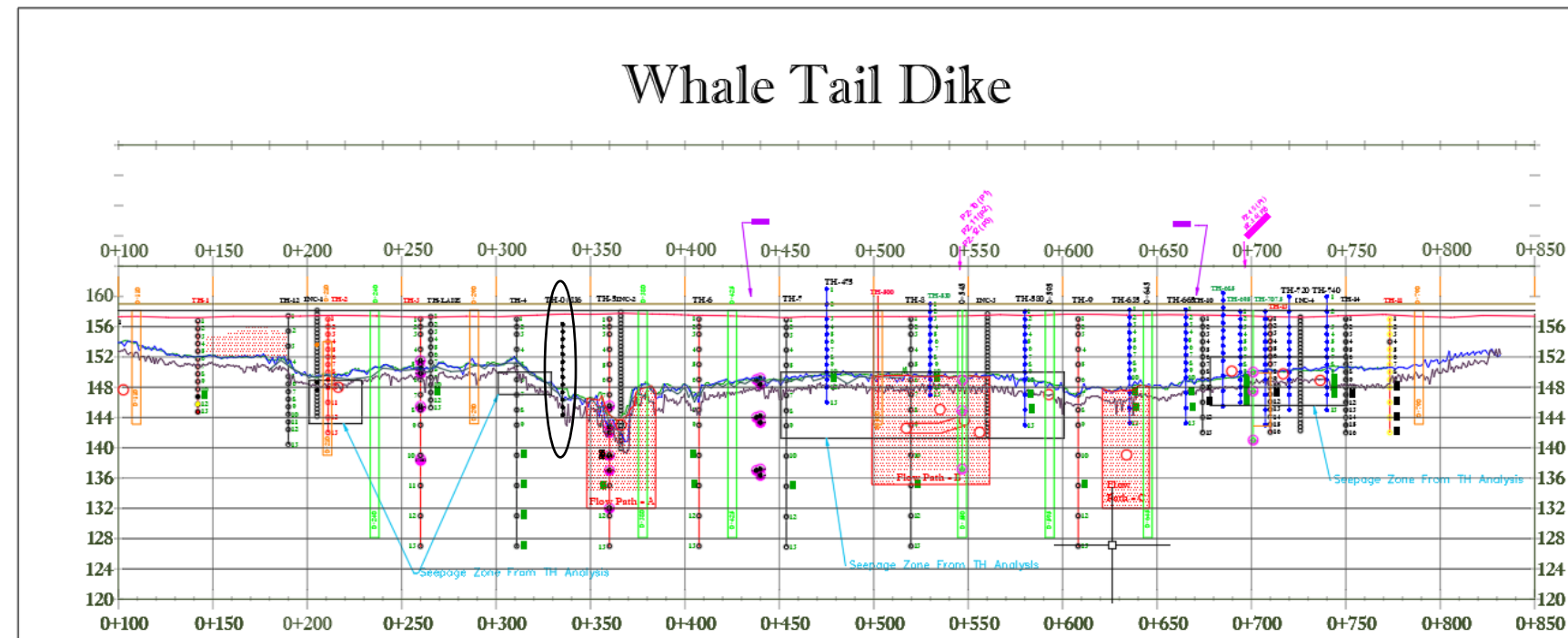
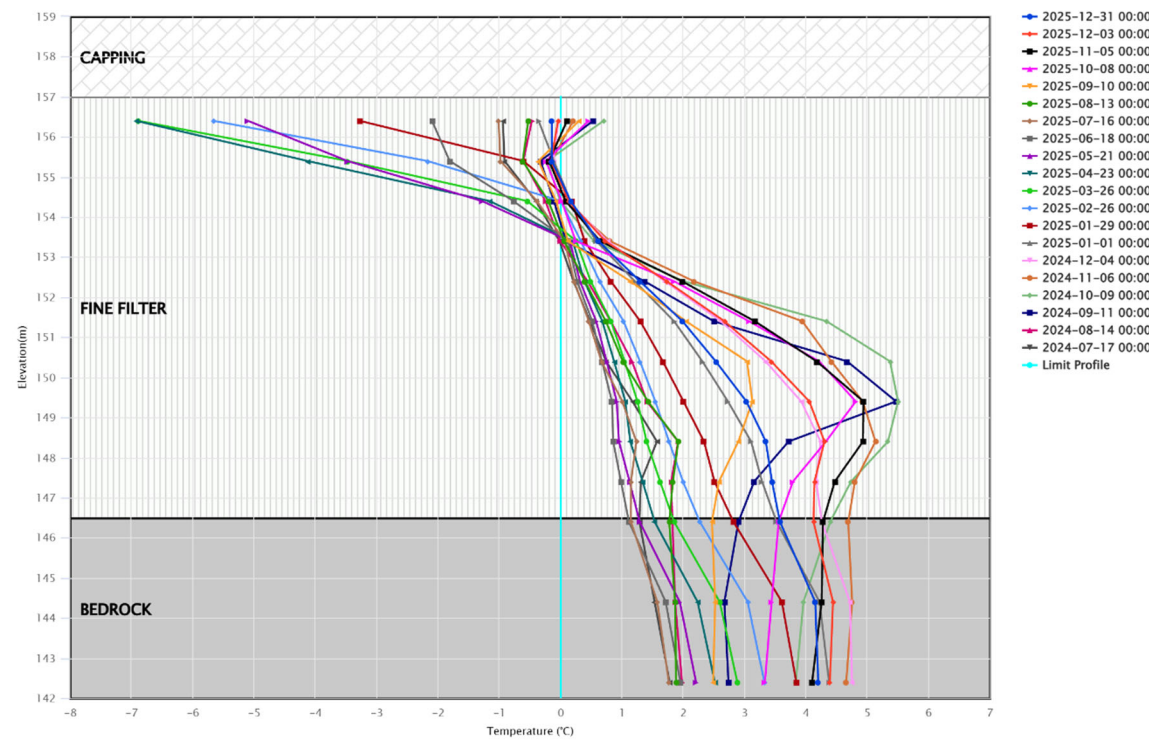
Whale Tail Dike



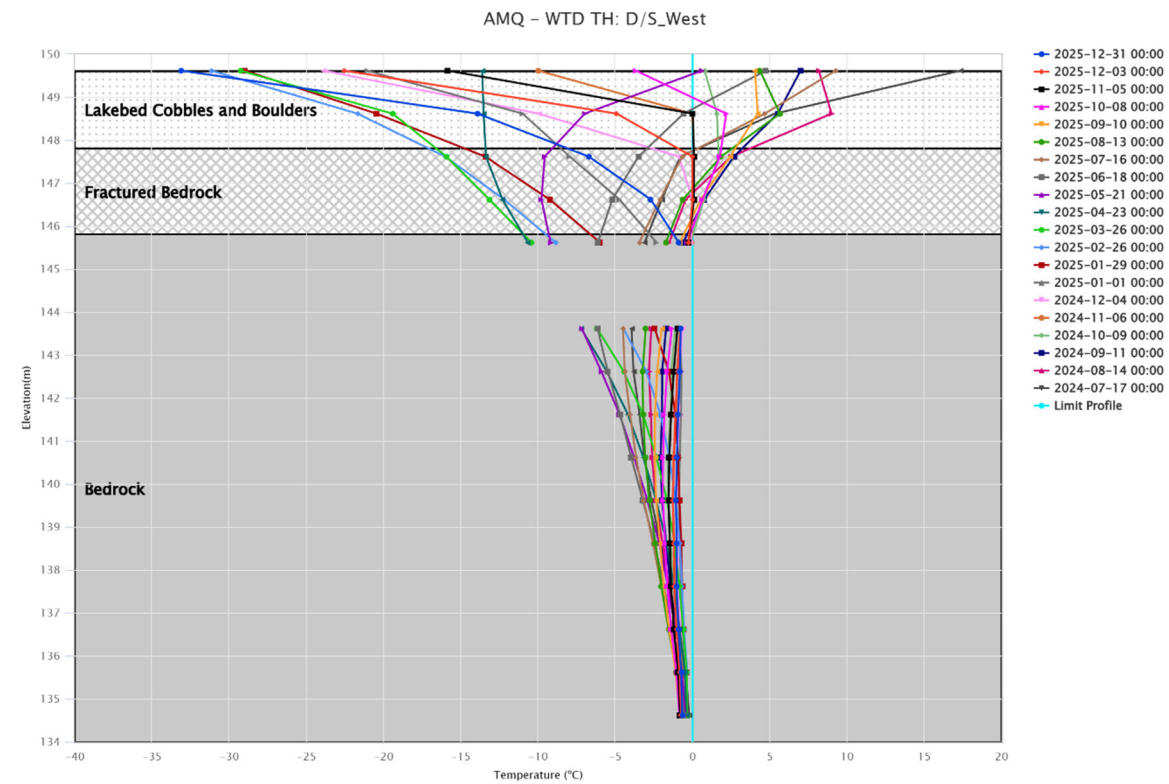
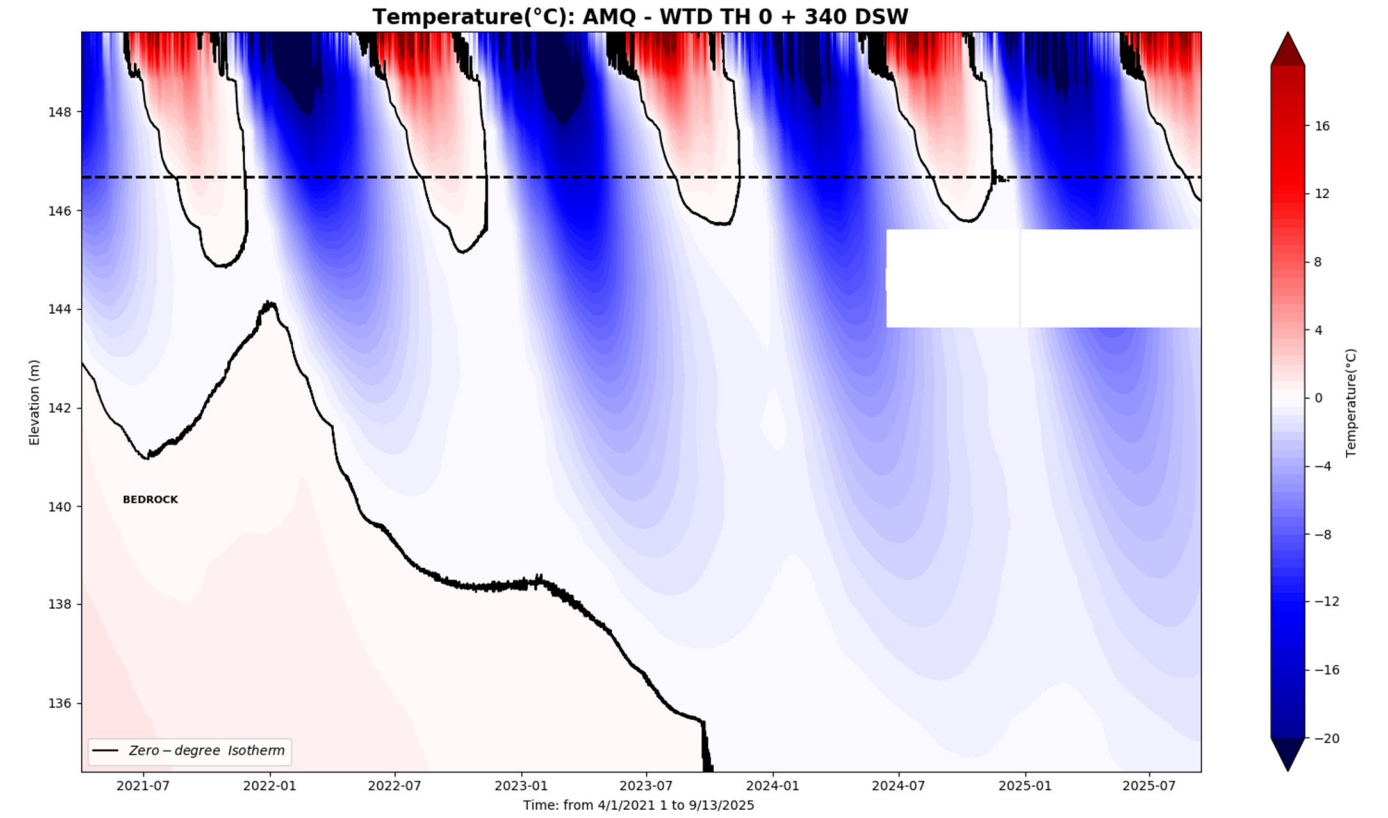
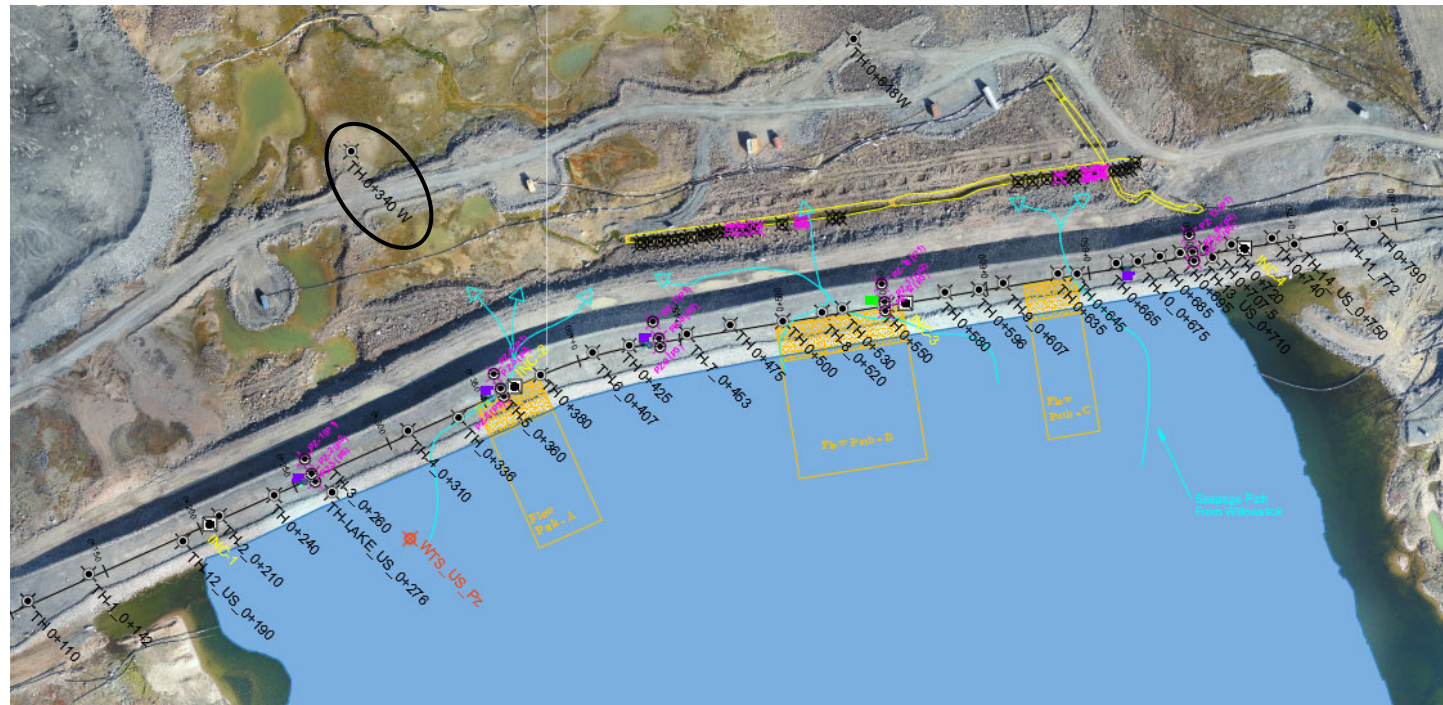
WTD-TH 0+336 U/S



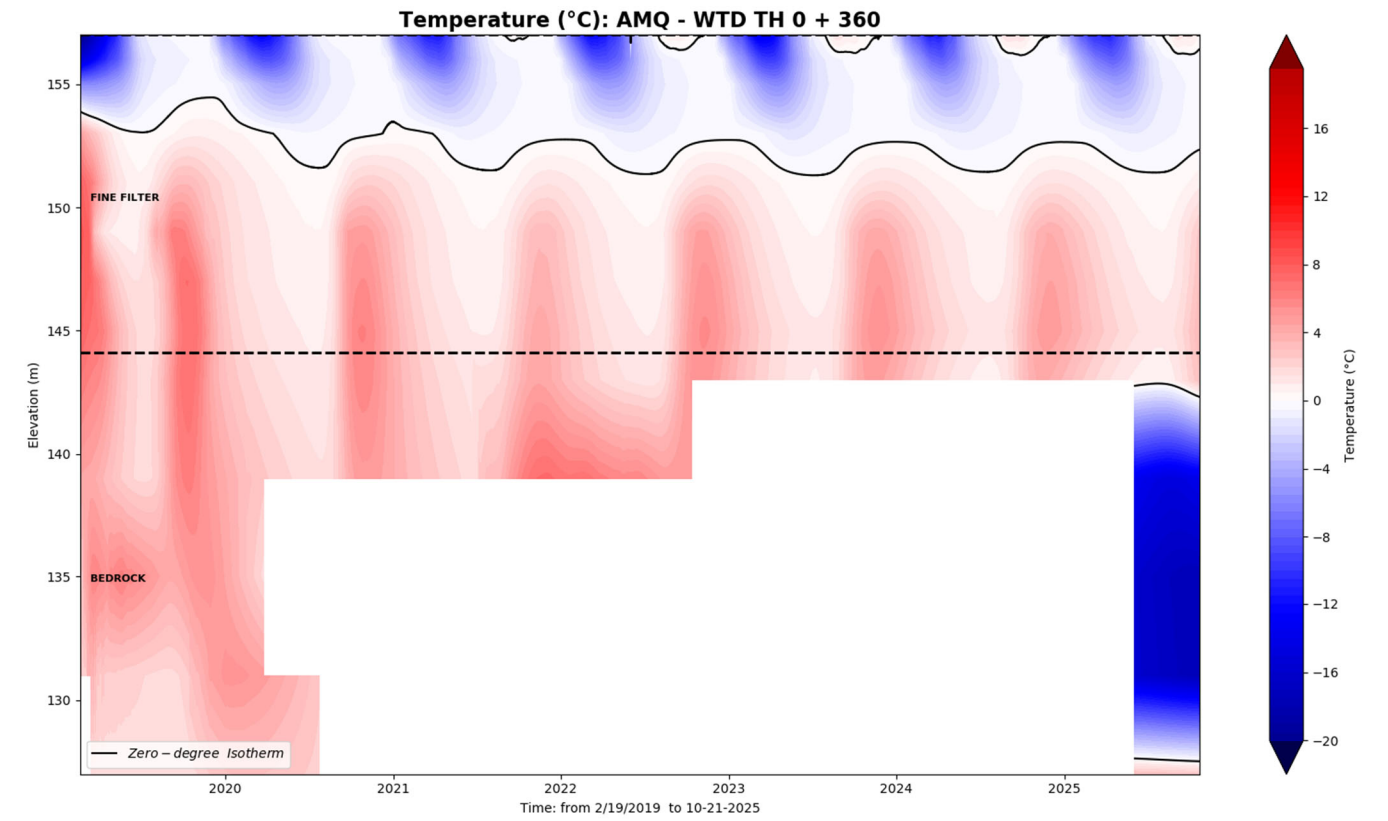
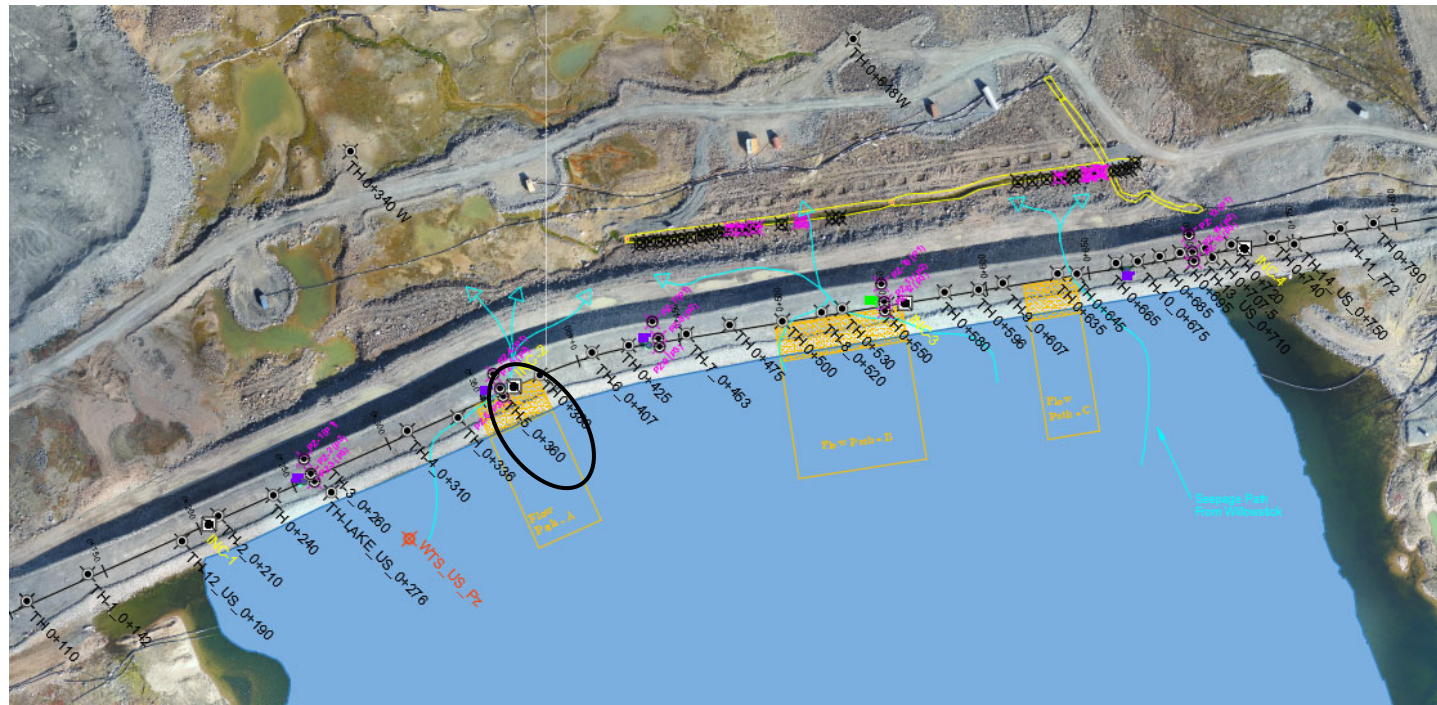
AMQ - WTD TH_US: 0+336



WTD-TH 0+340 DSW

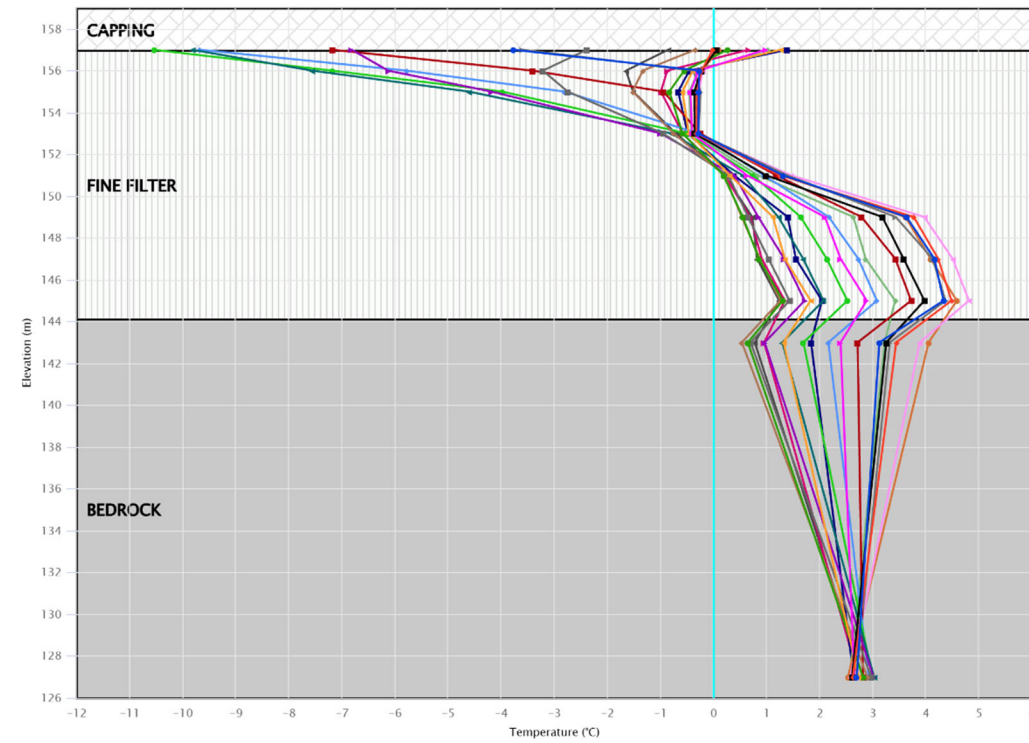


WTD-TH 0+360



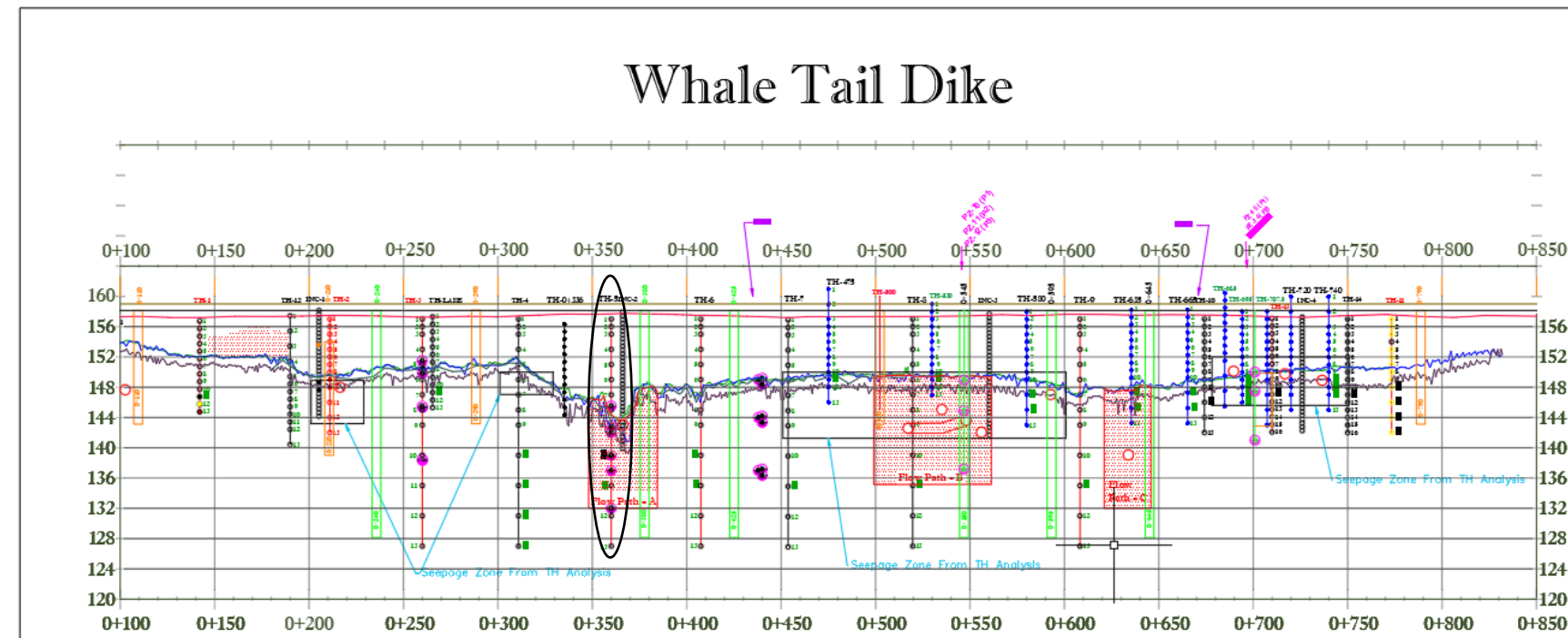
AMQ - WTD TH: 0+360

Bead #10 to #12 removed

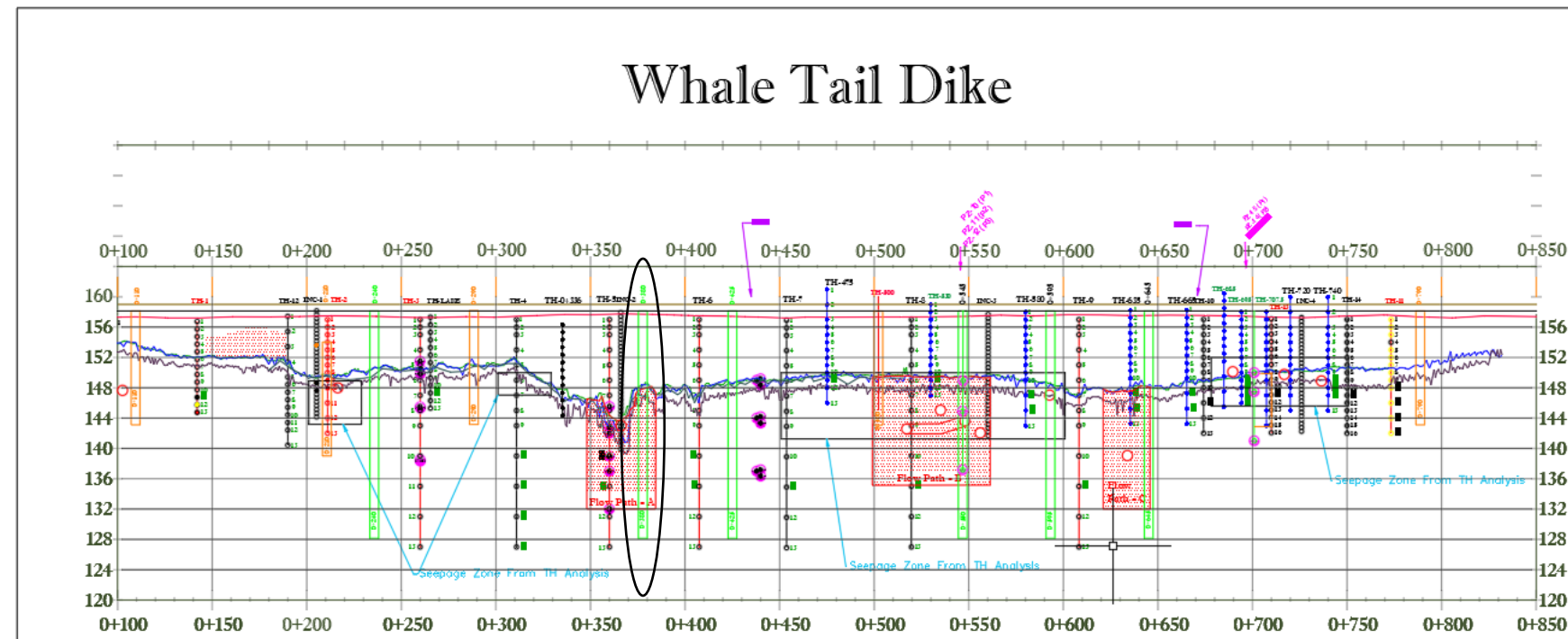
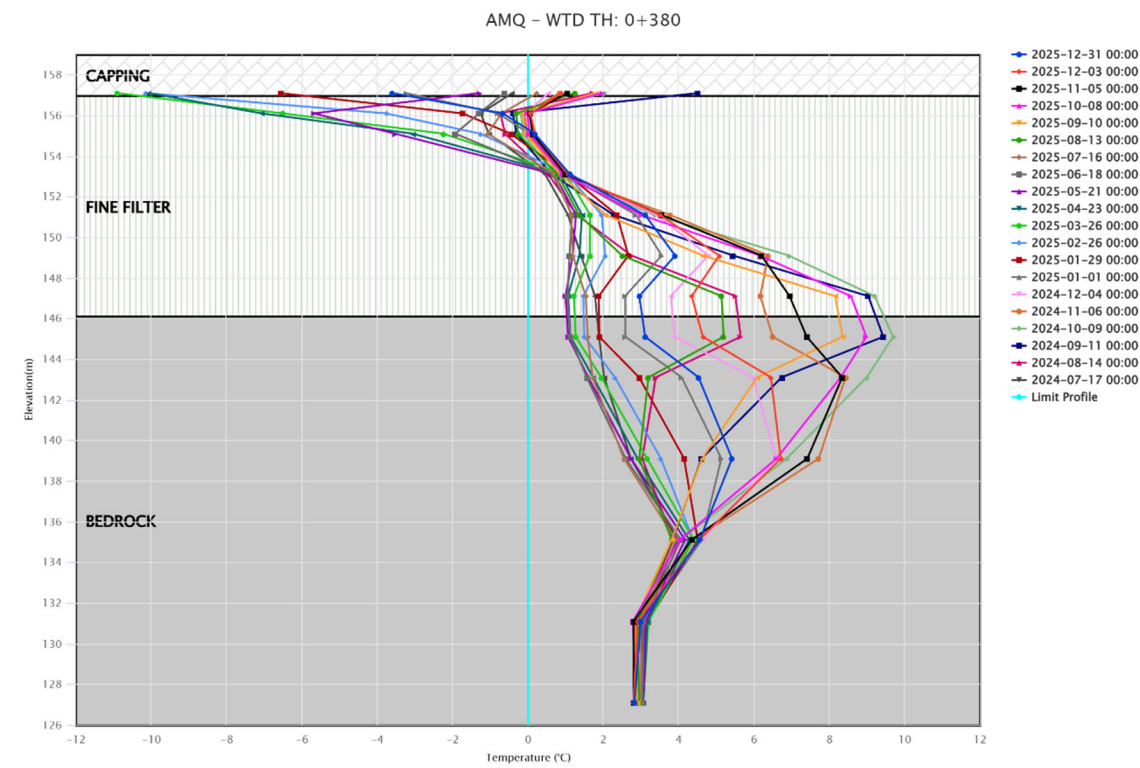
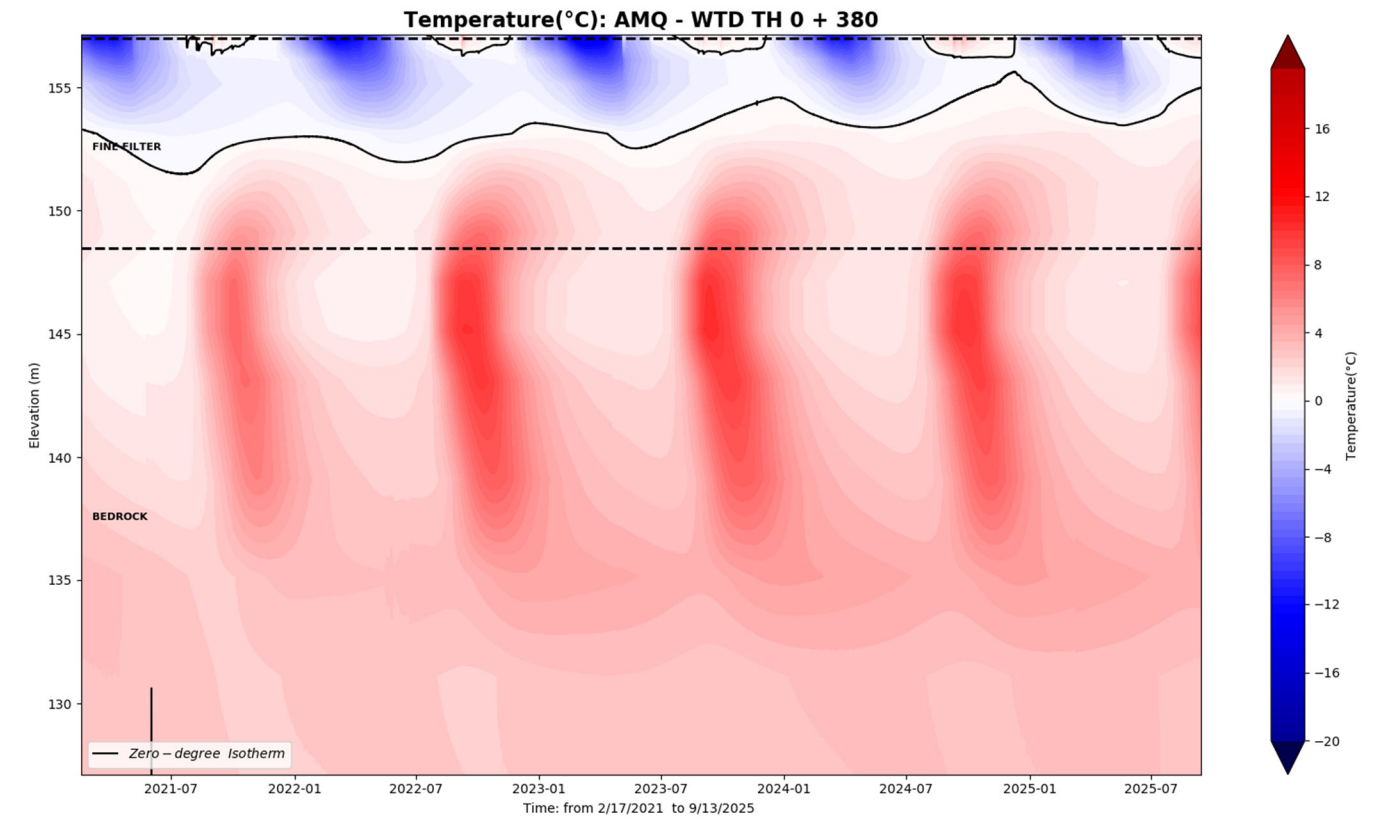
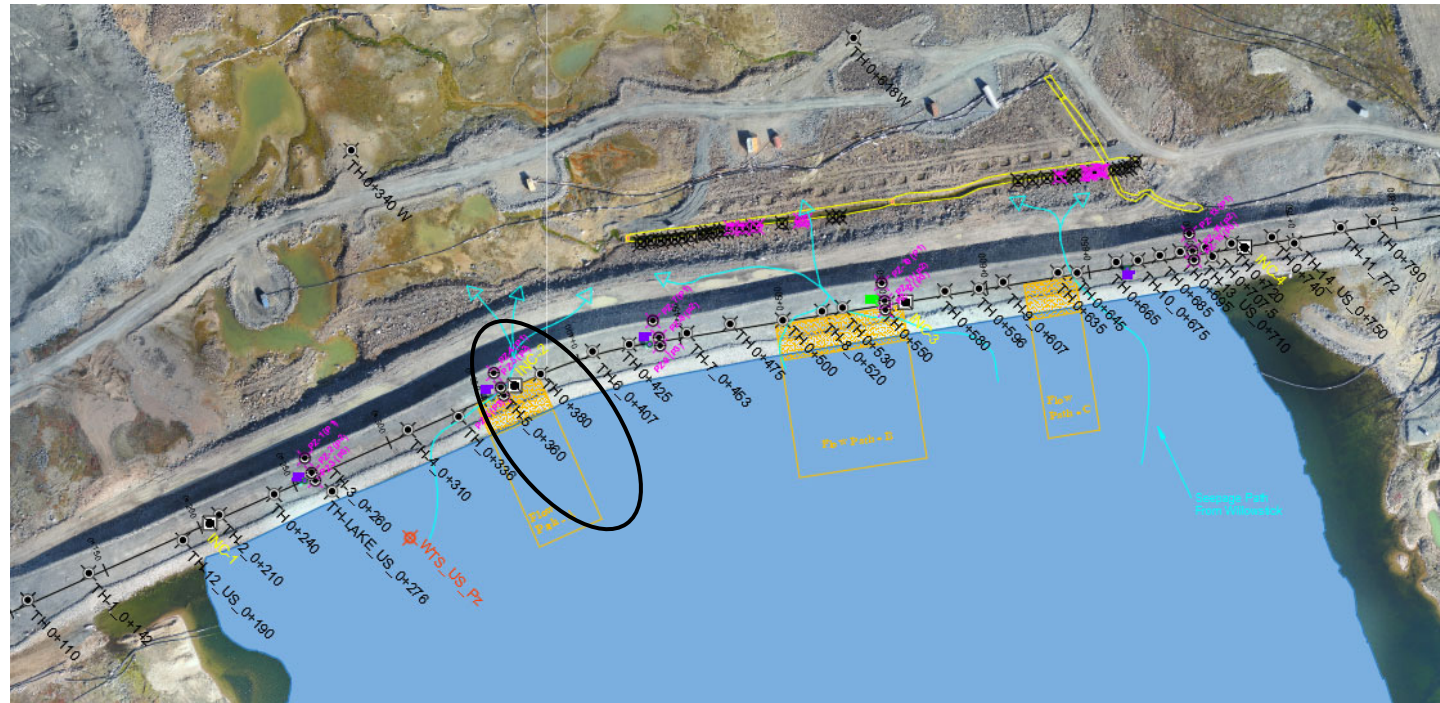


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- Limit Profile

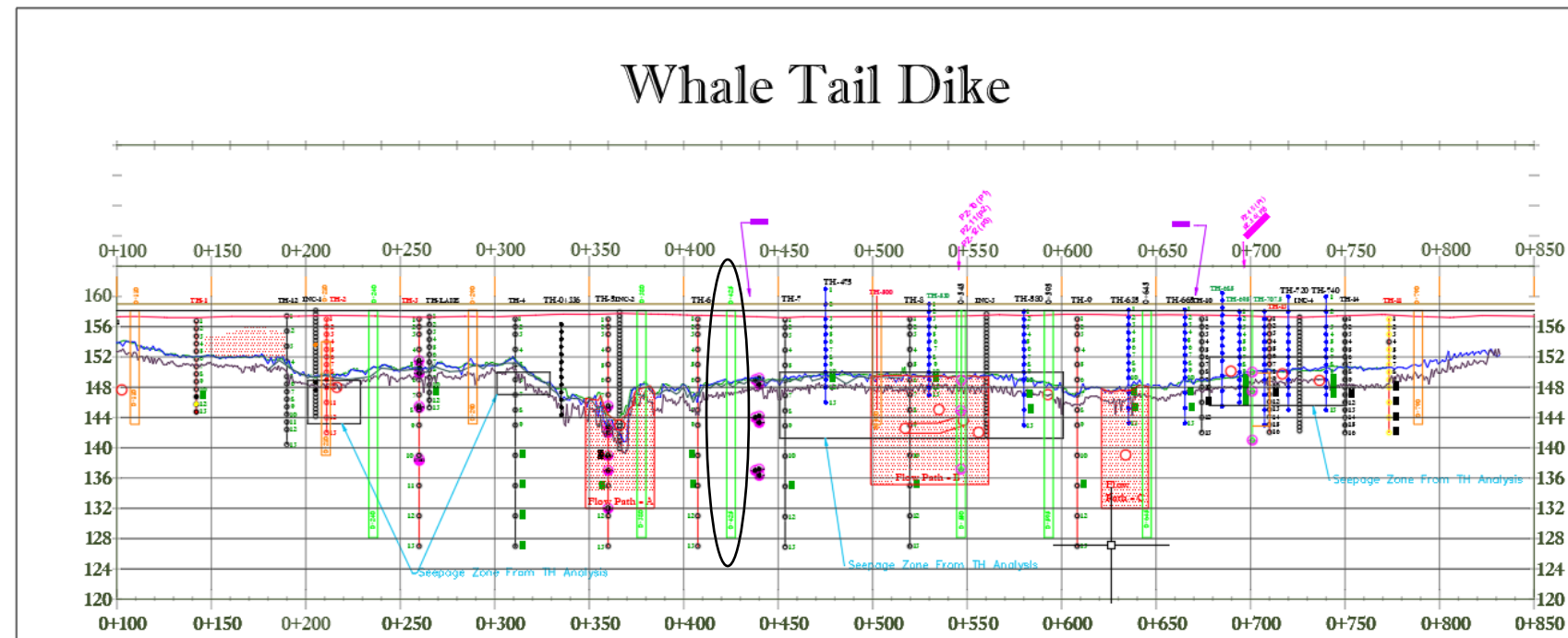
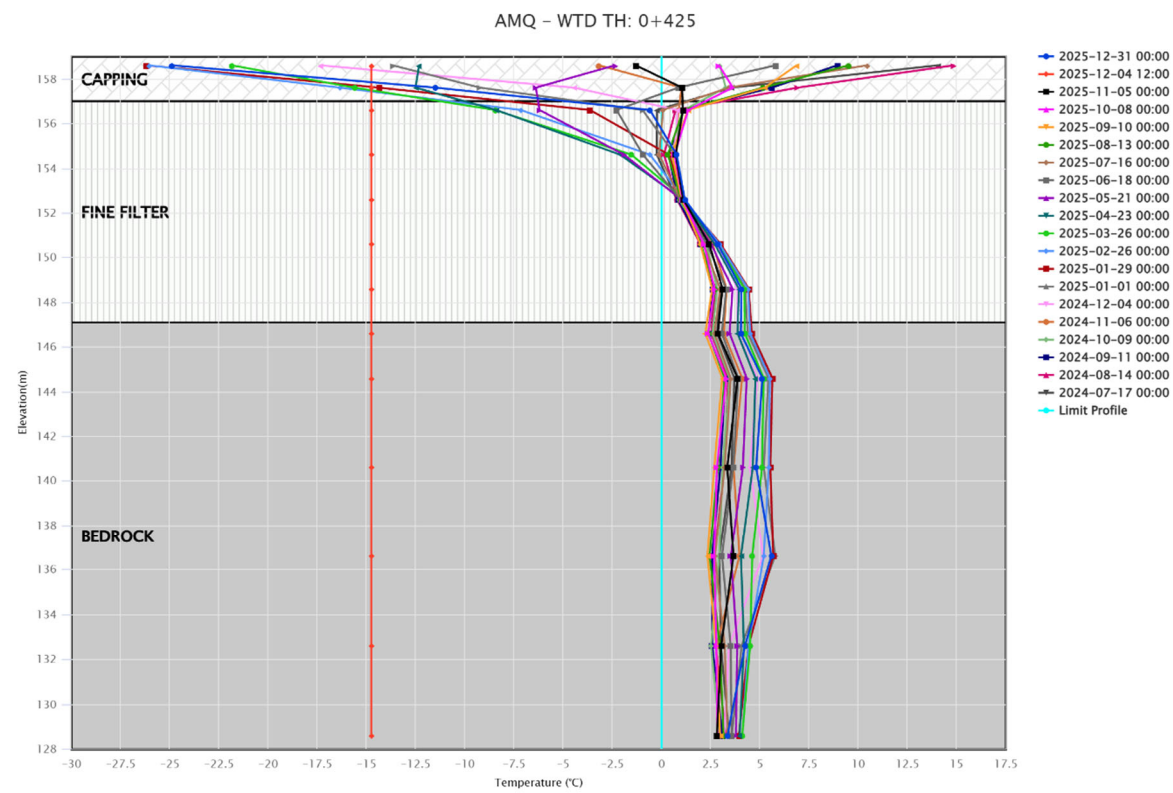
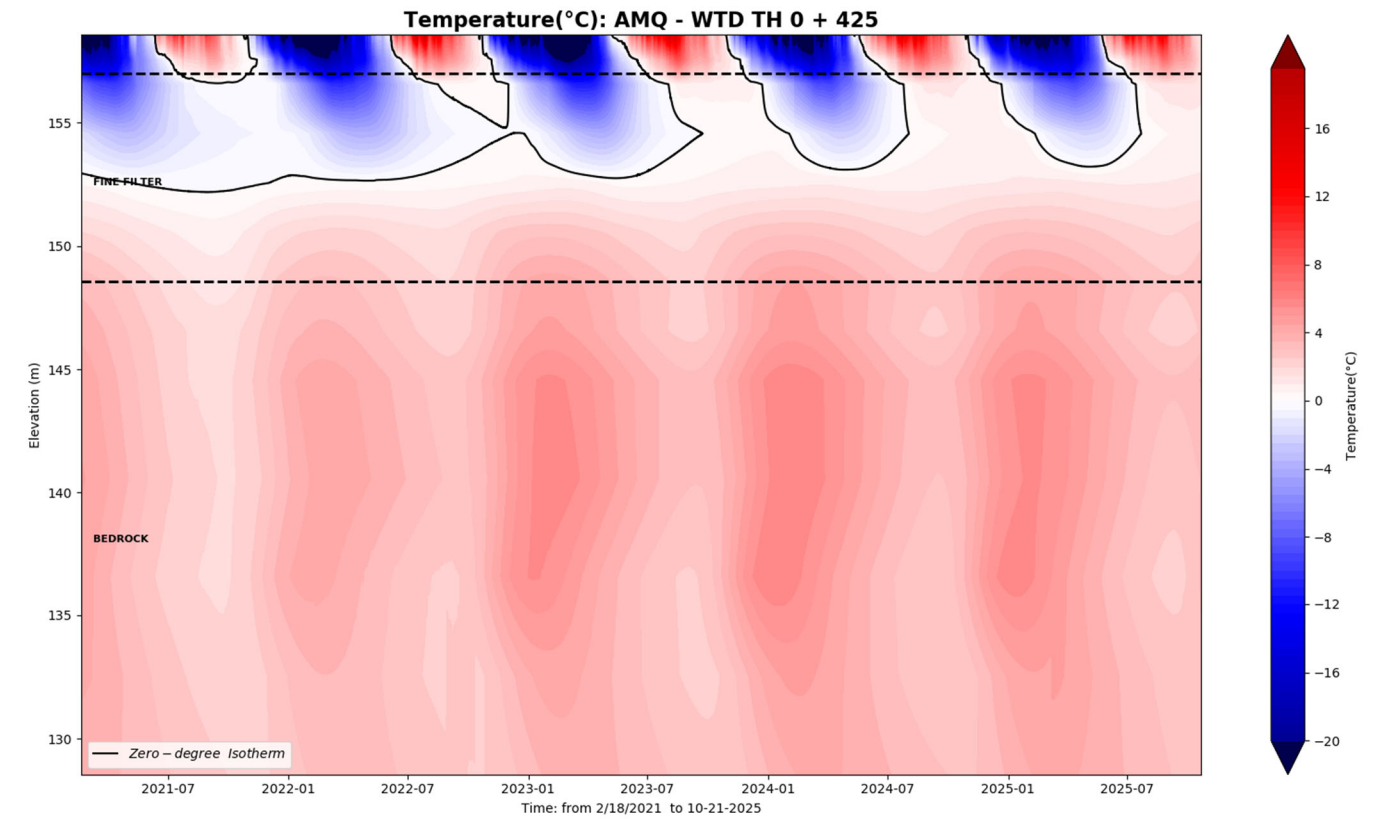
Whale Tail Dike



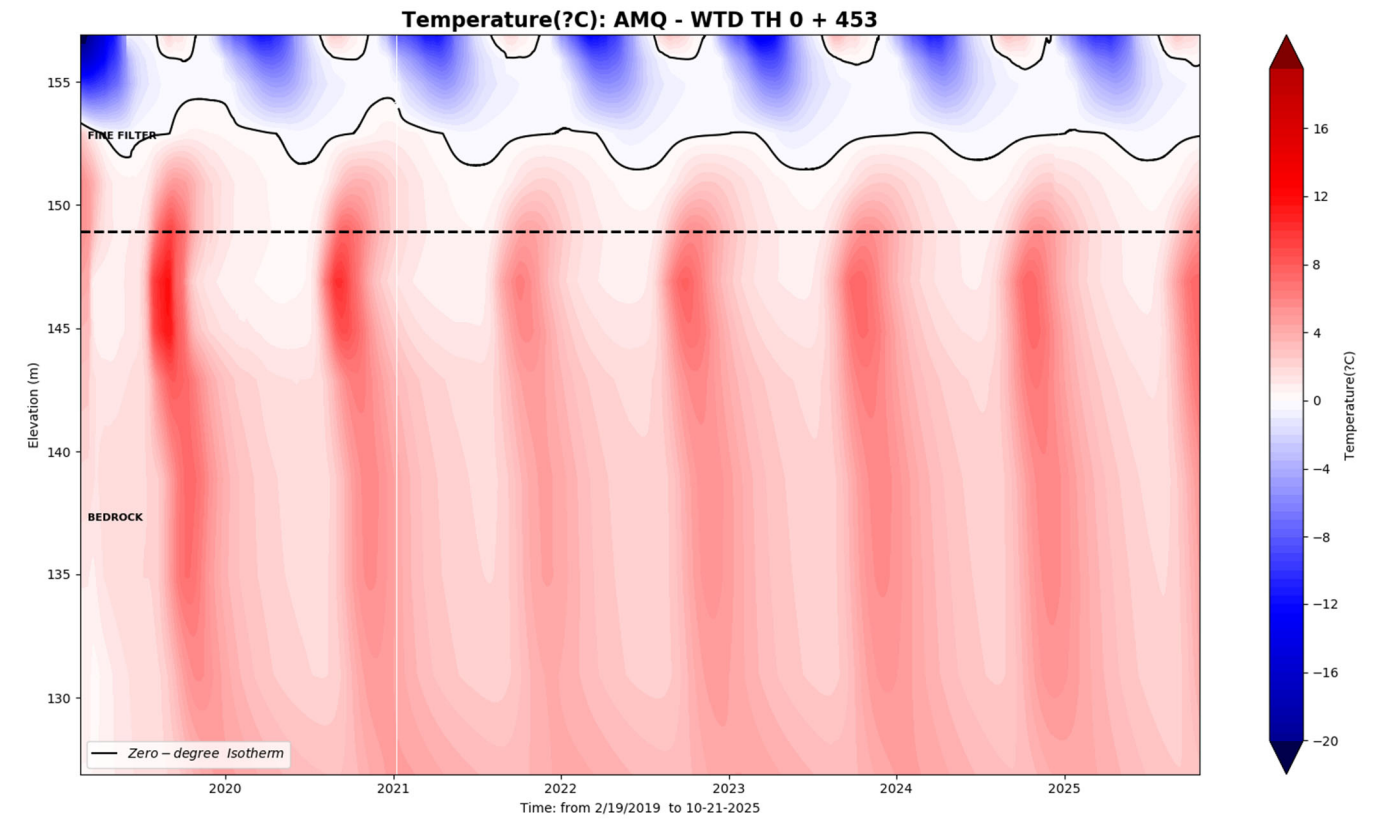
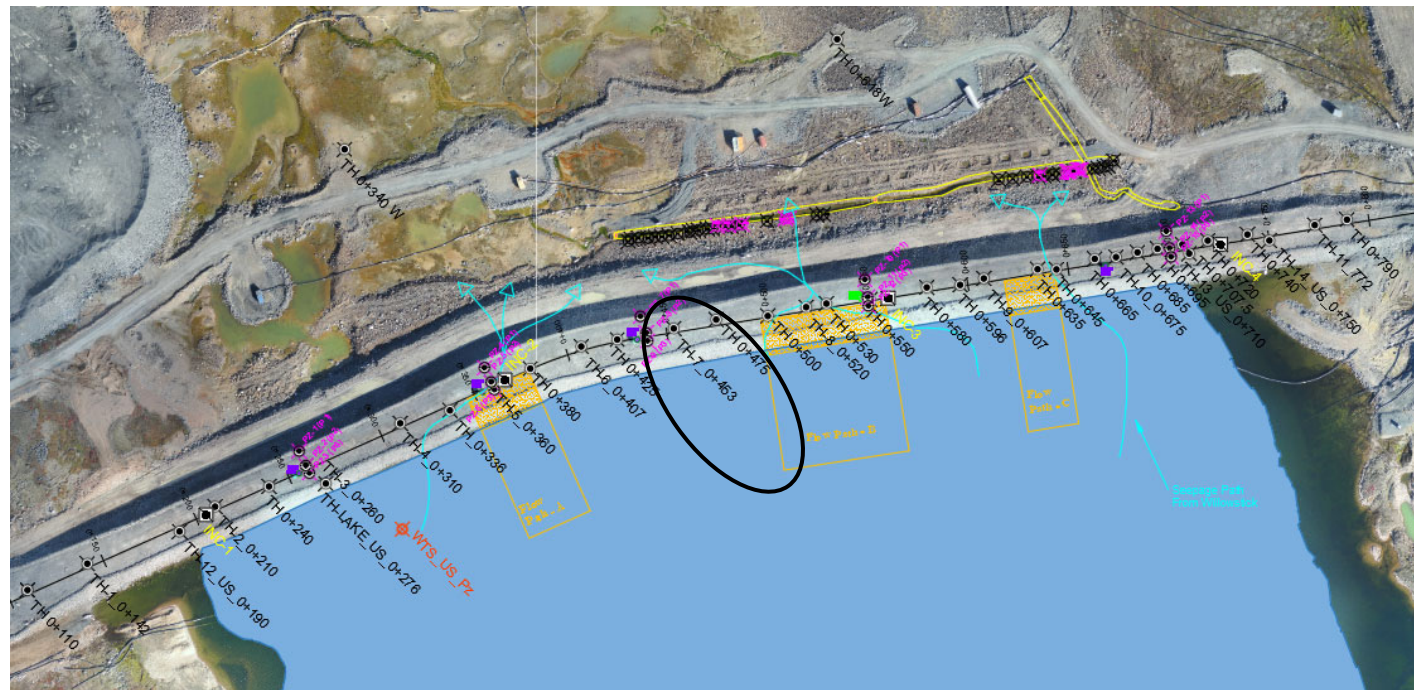
WTD-TH 0+380



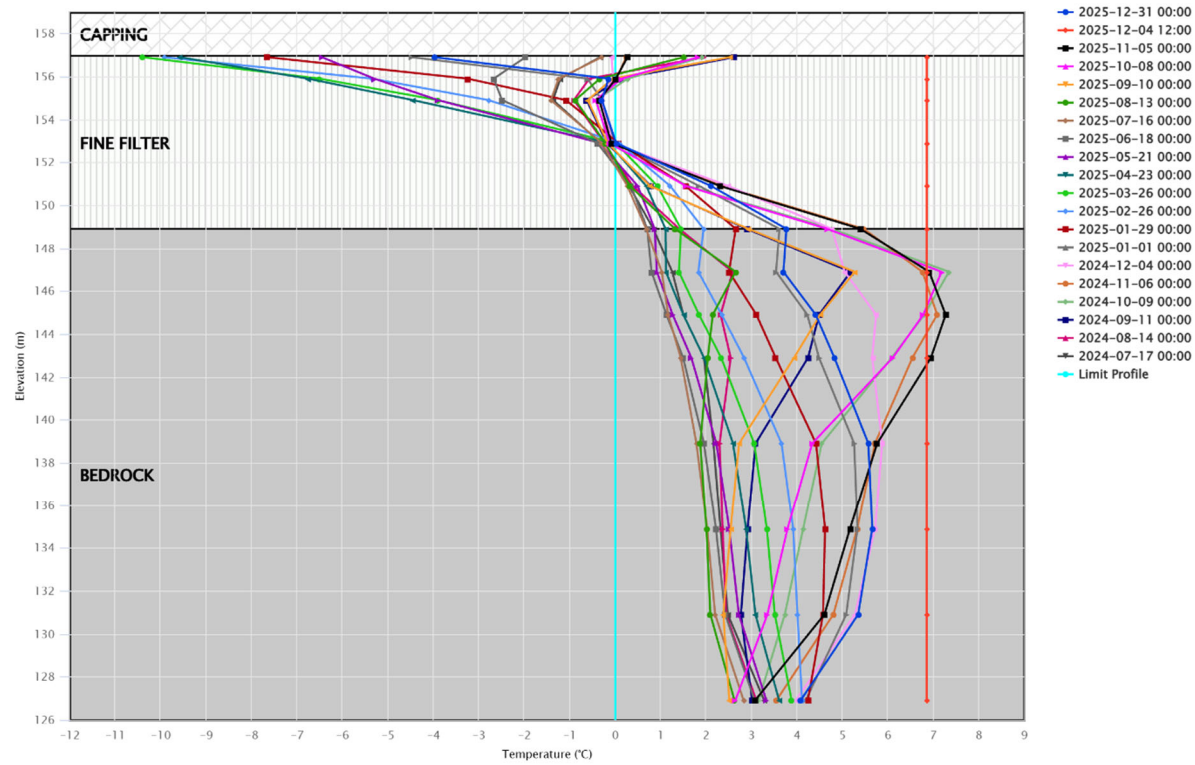
WTD-TH 0+425



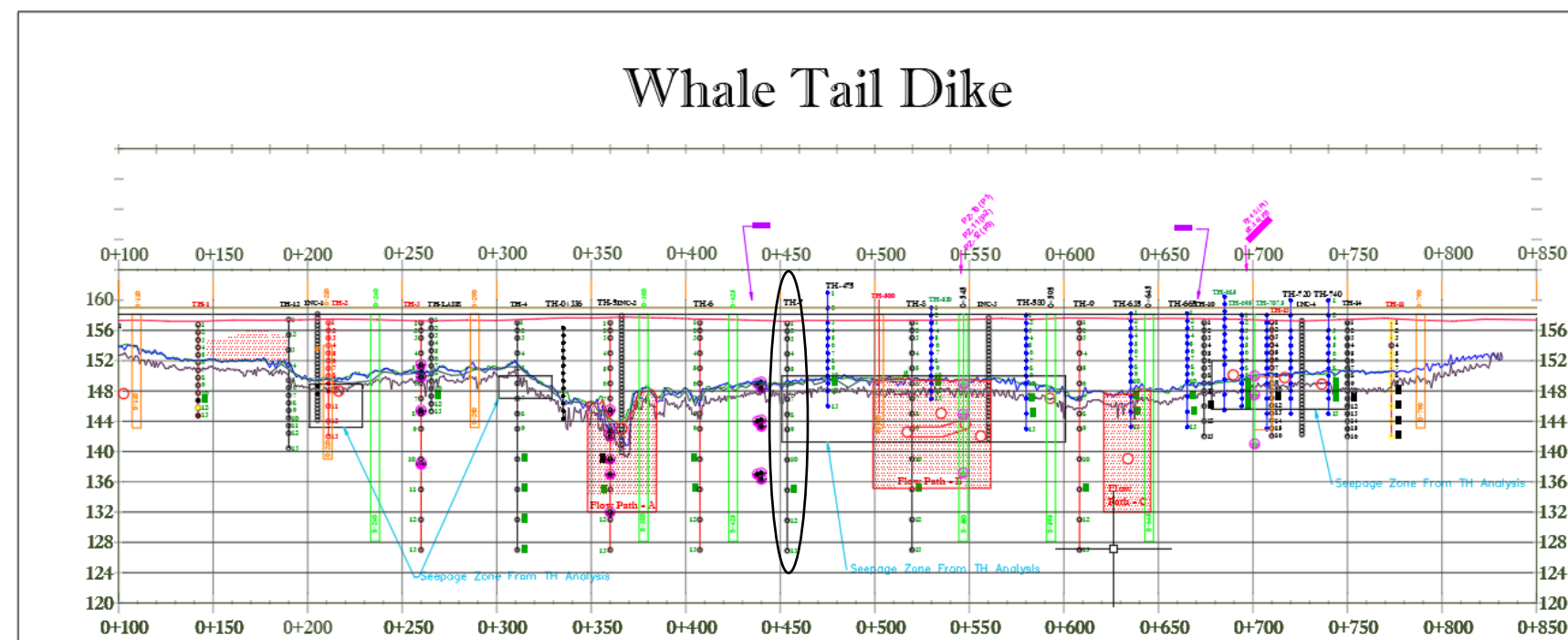
WTD-TH 0+453



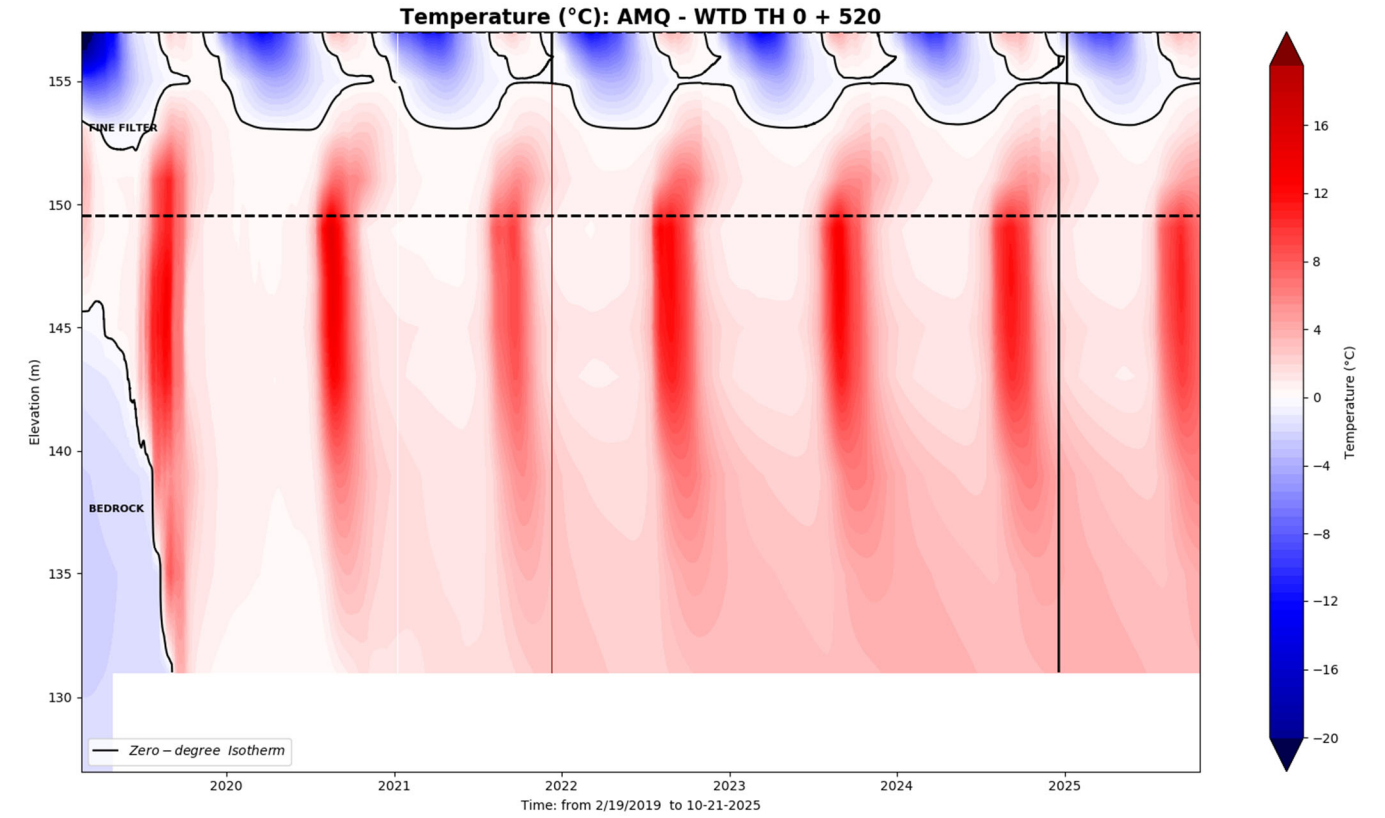
AMQ - WTD TH: 0+453



Whale Tail Dike

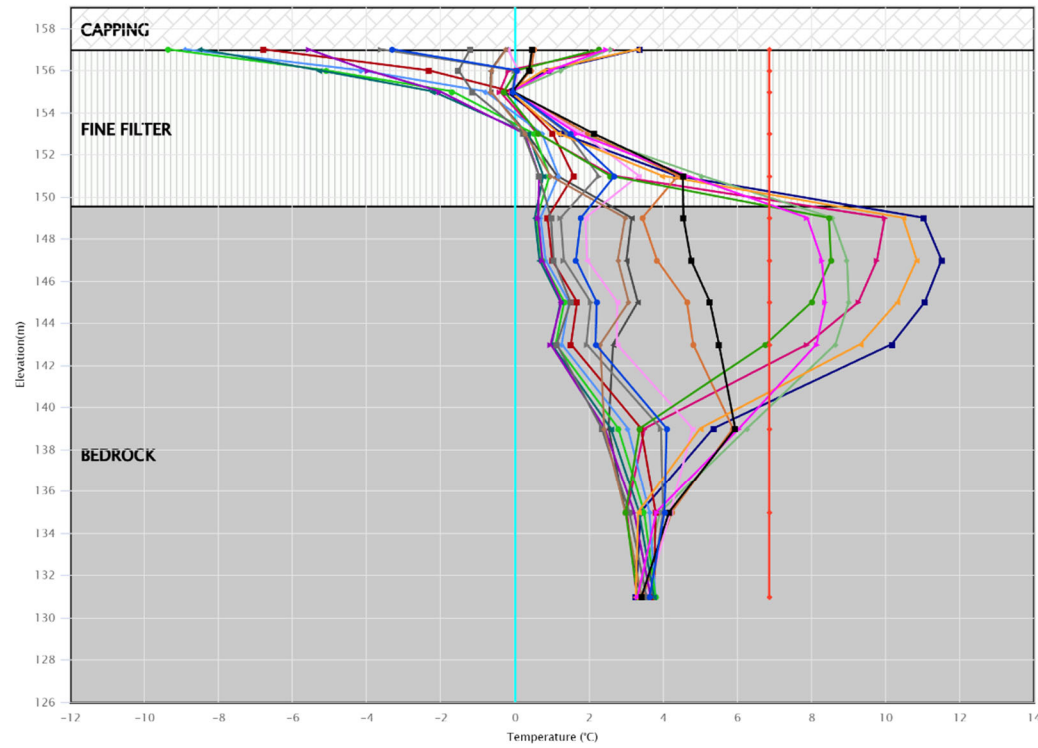


WTD-TH 0+520



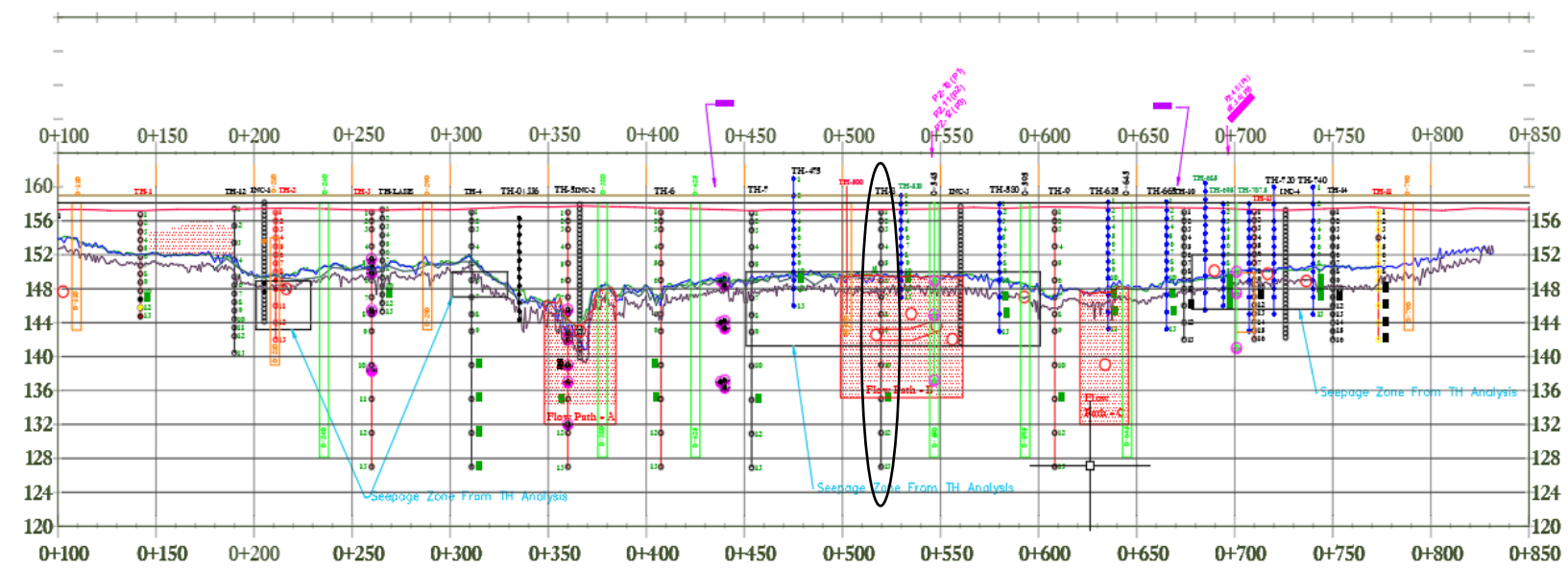
AMQ - WTD TH: 0+520

Bead #13 removed

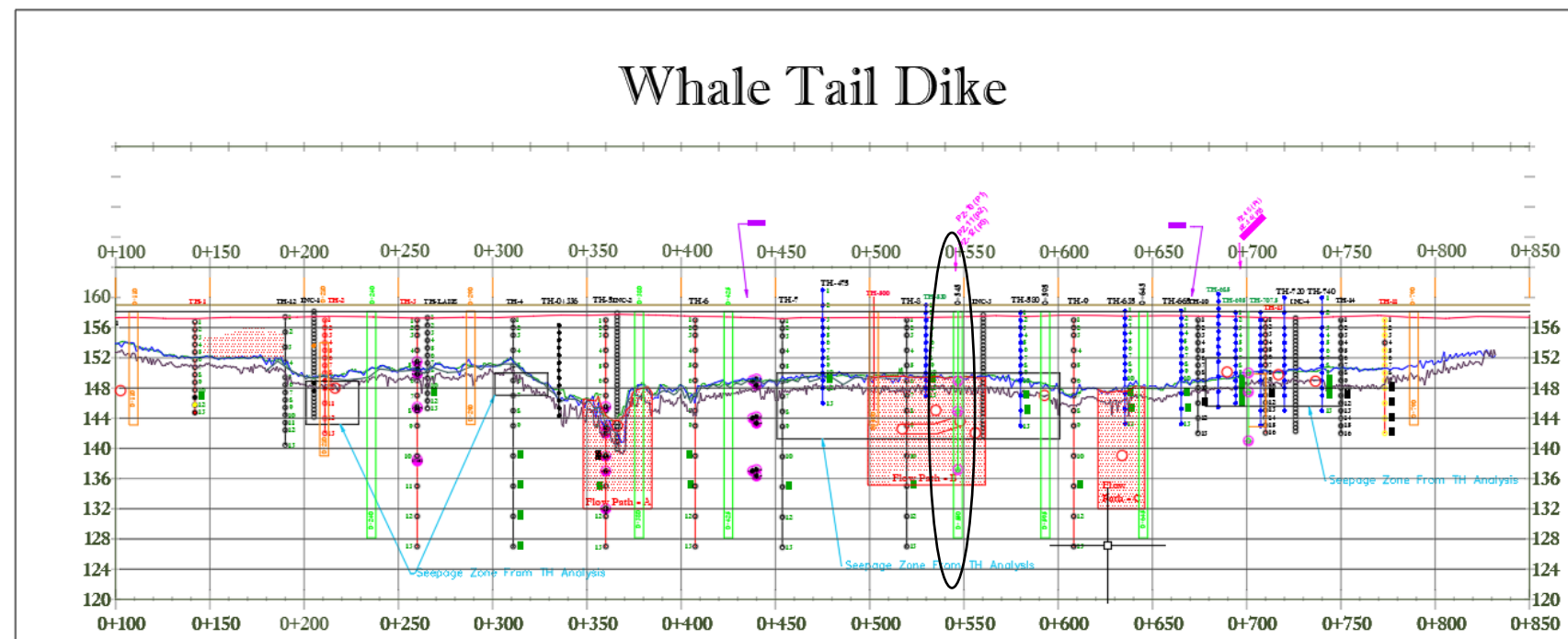
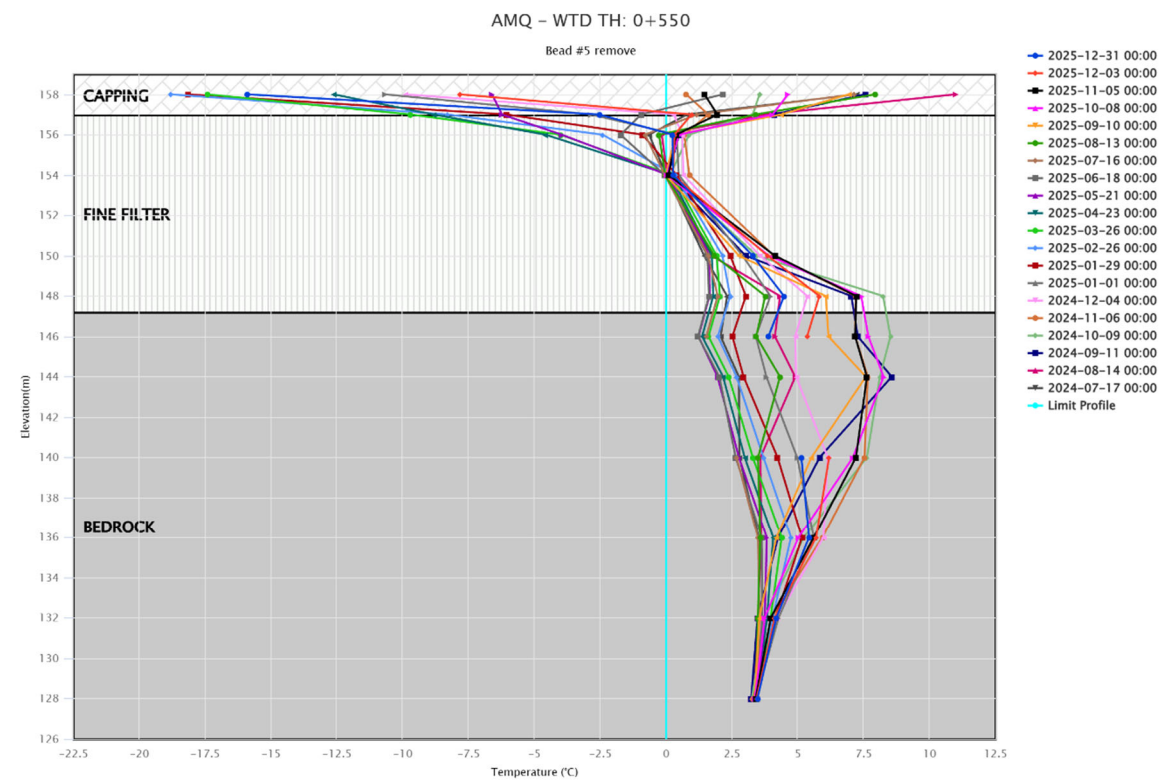
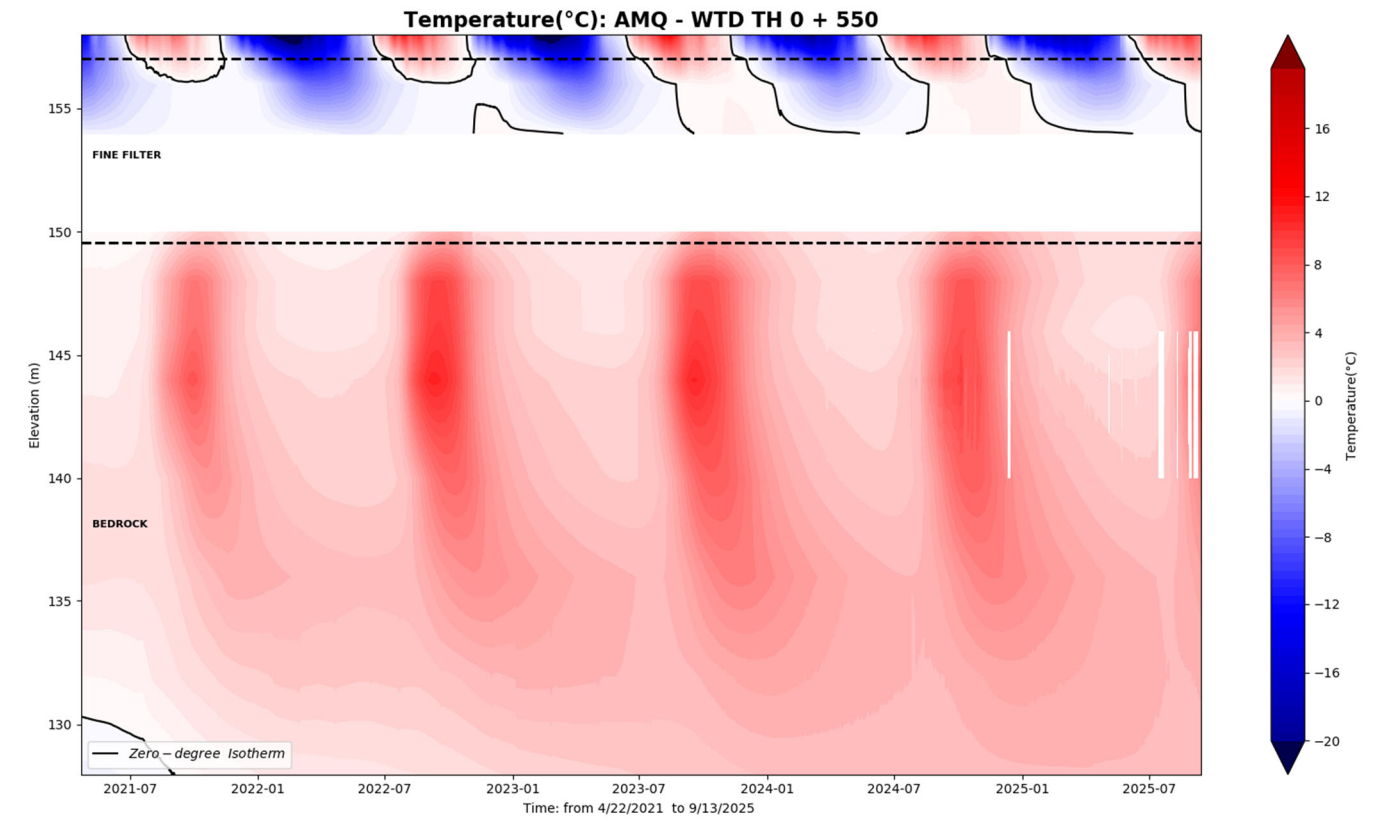
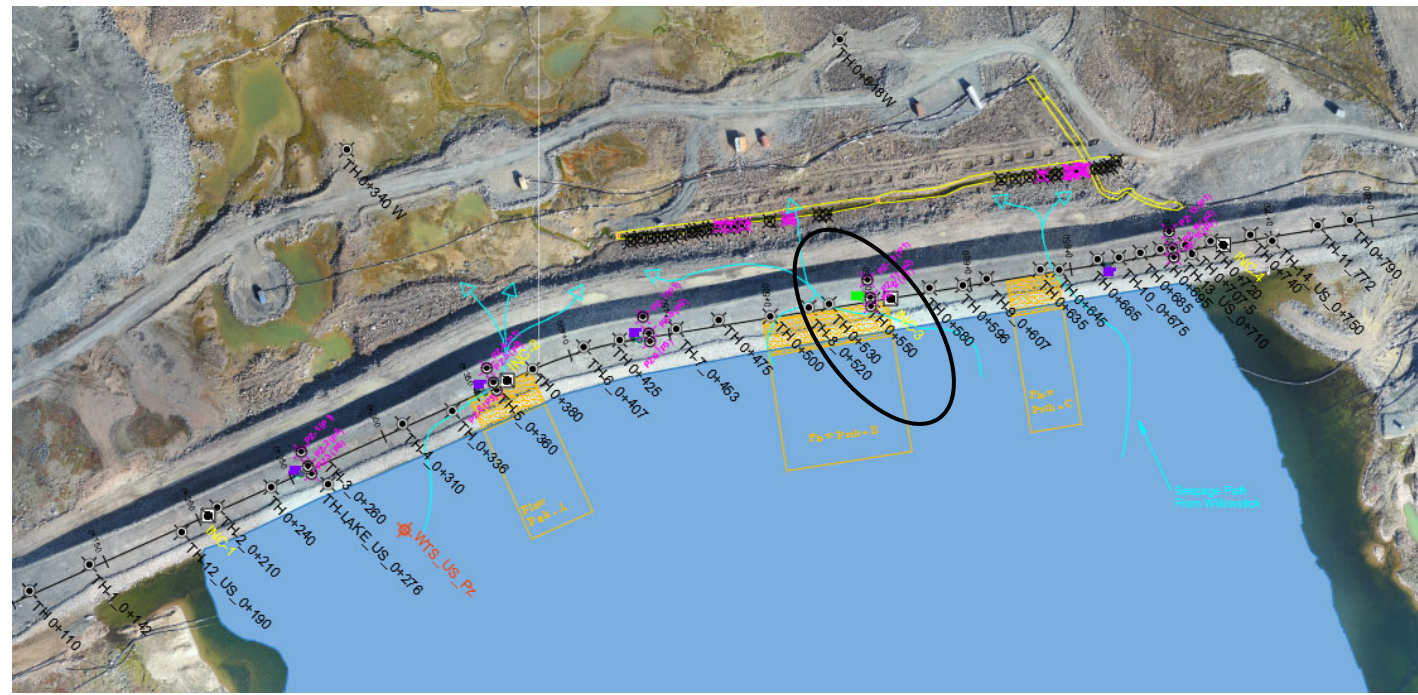


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- 2025-10-08 00:00
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- Limit Profile

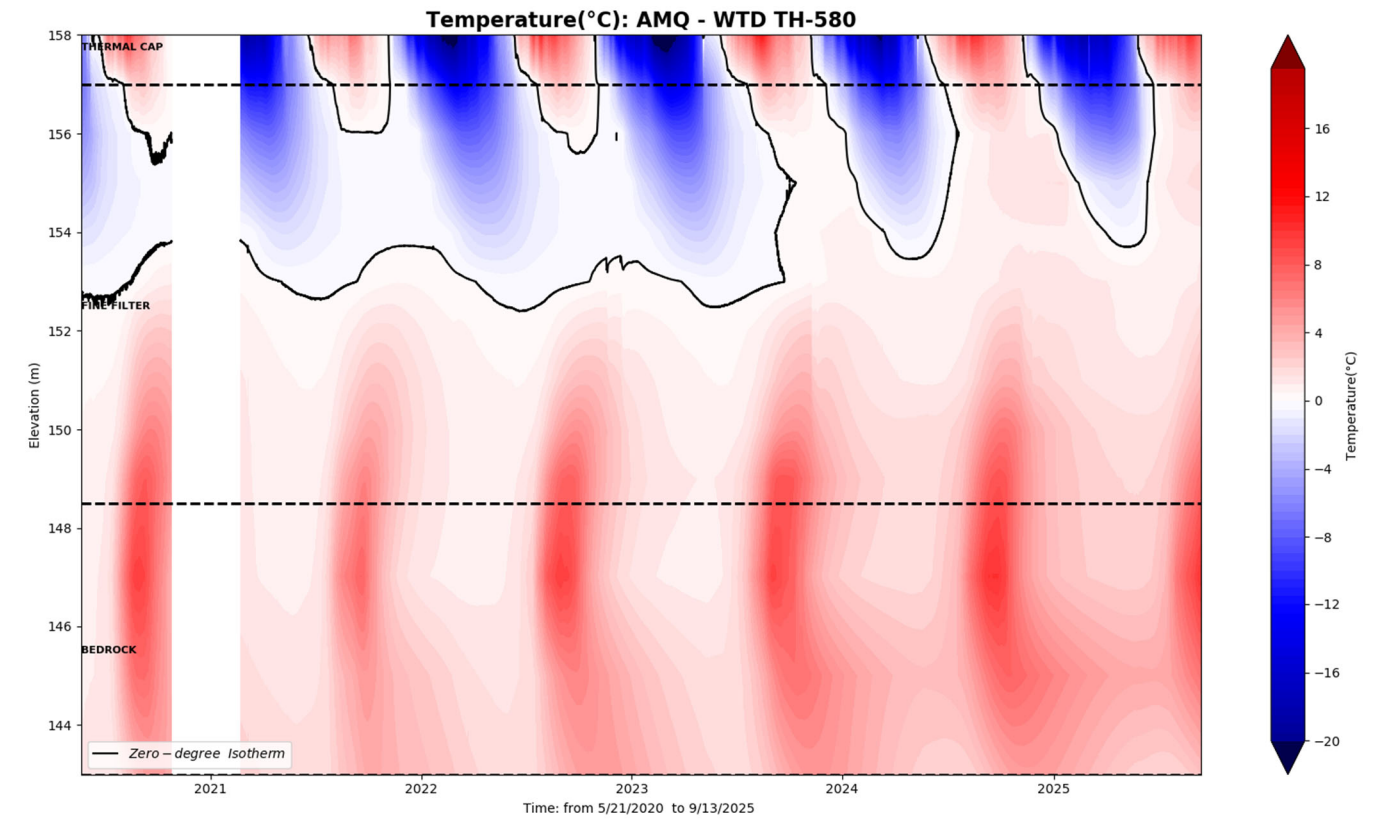
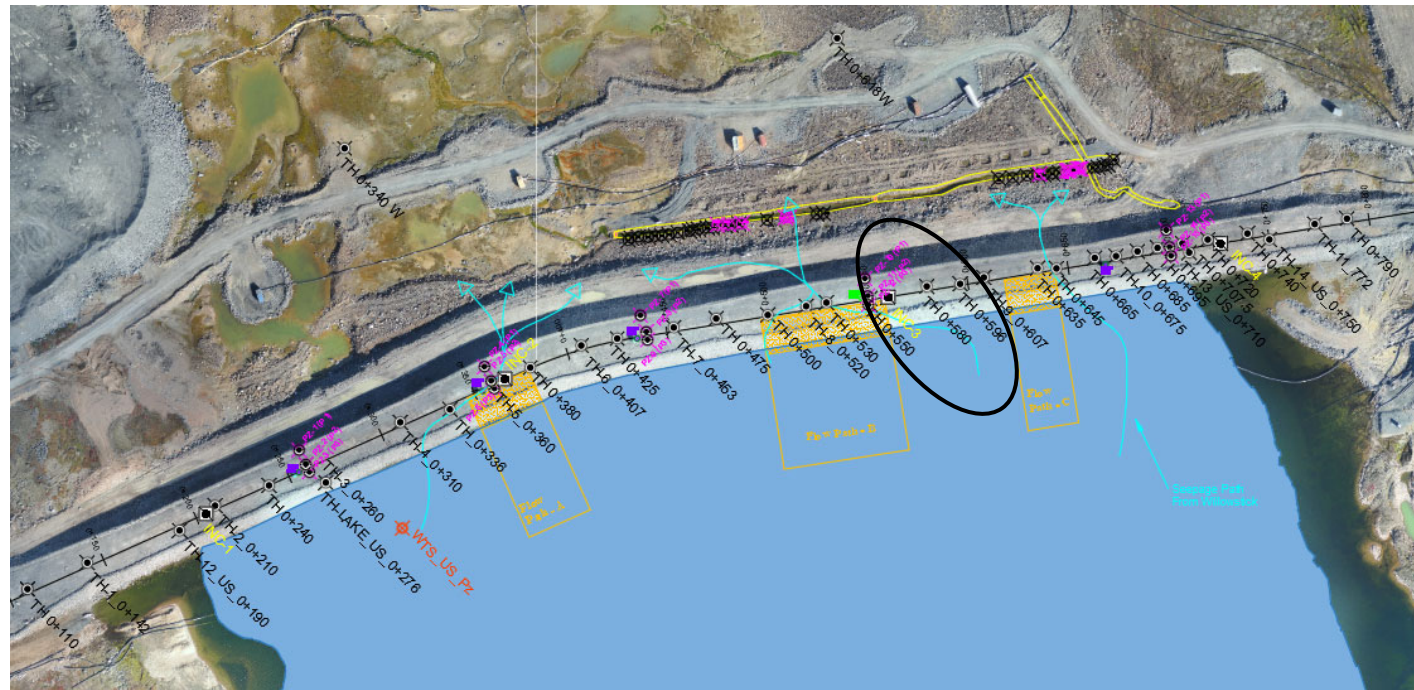
Whale Tail Dike



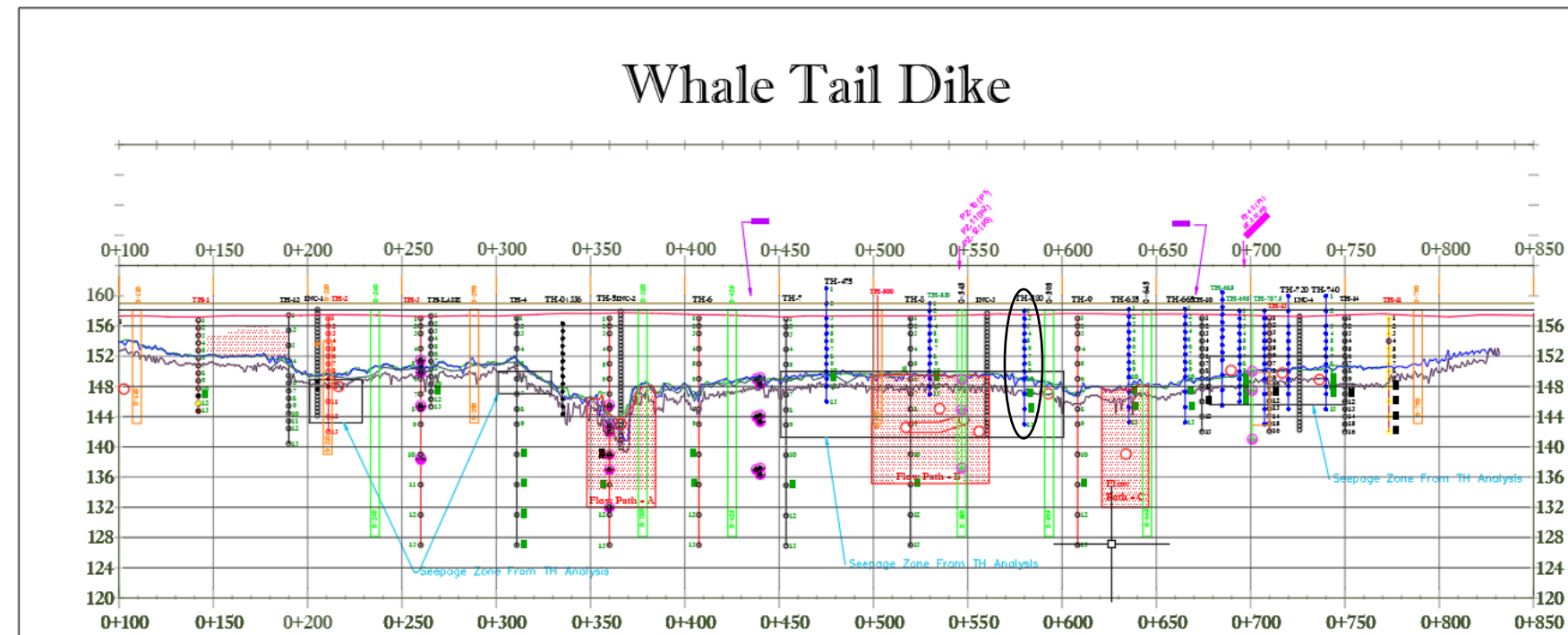
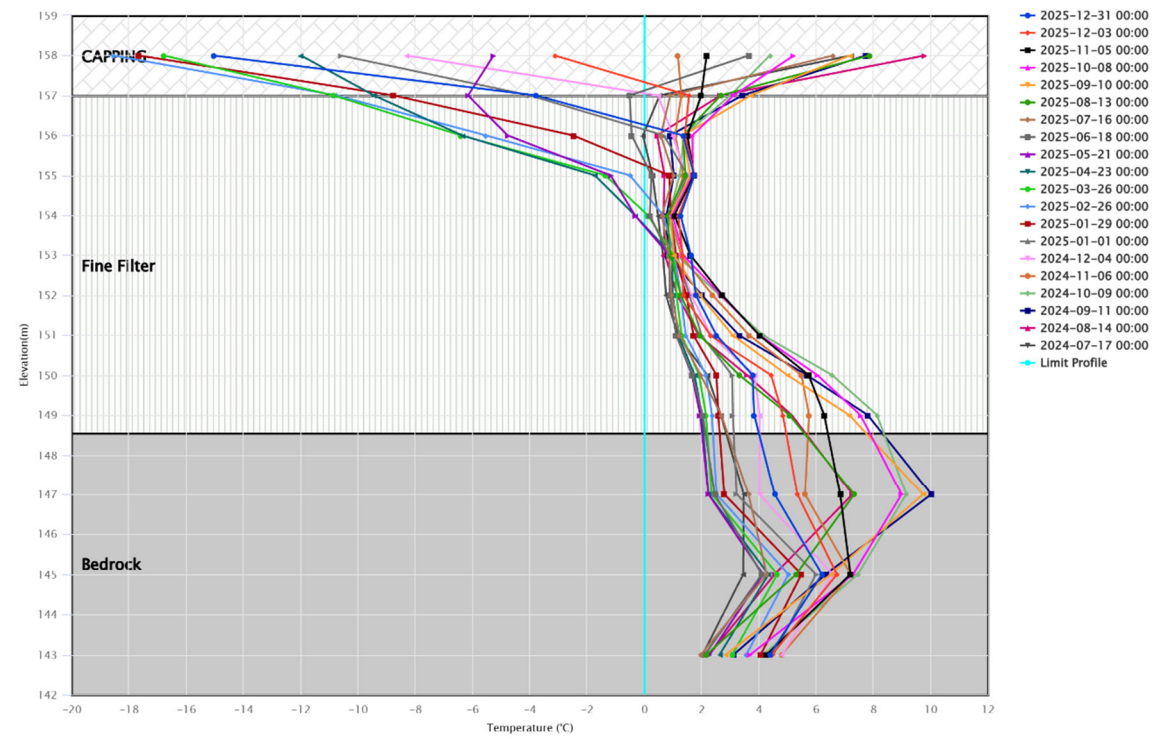
WTD-TH 0+550



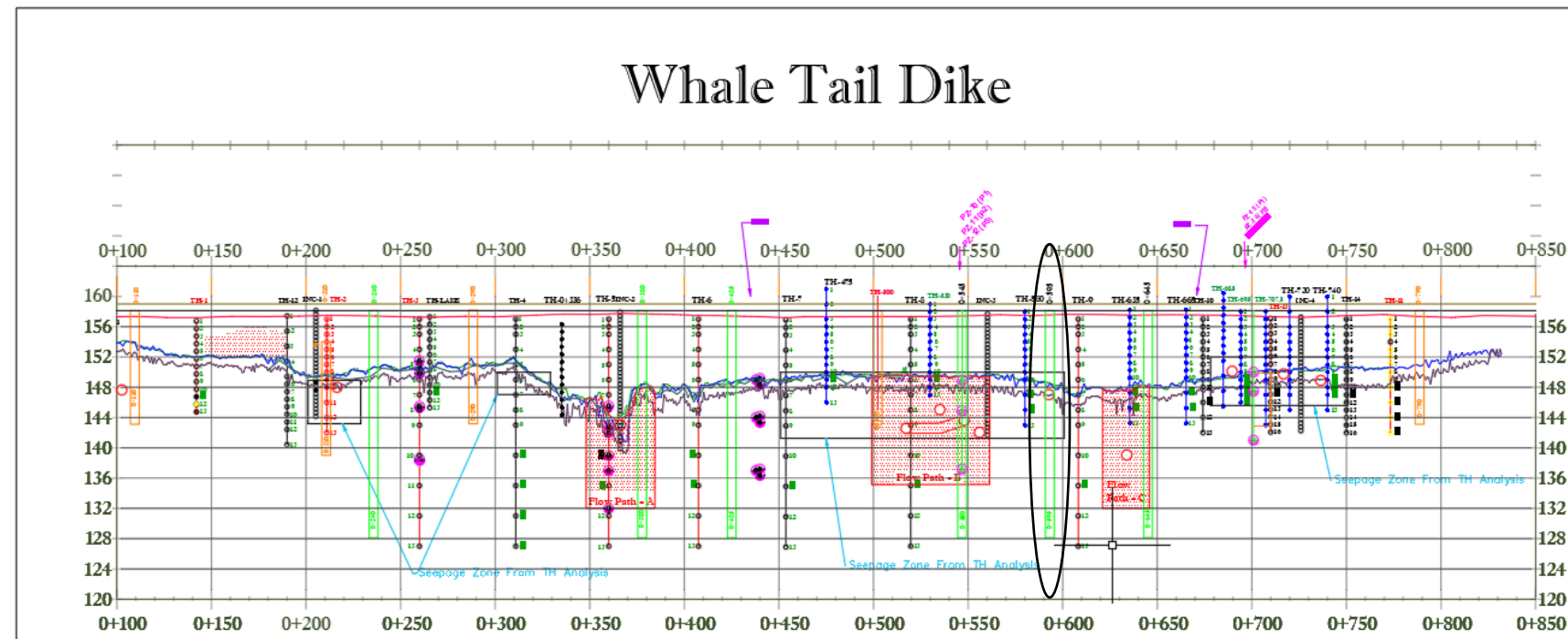
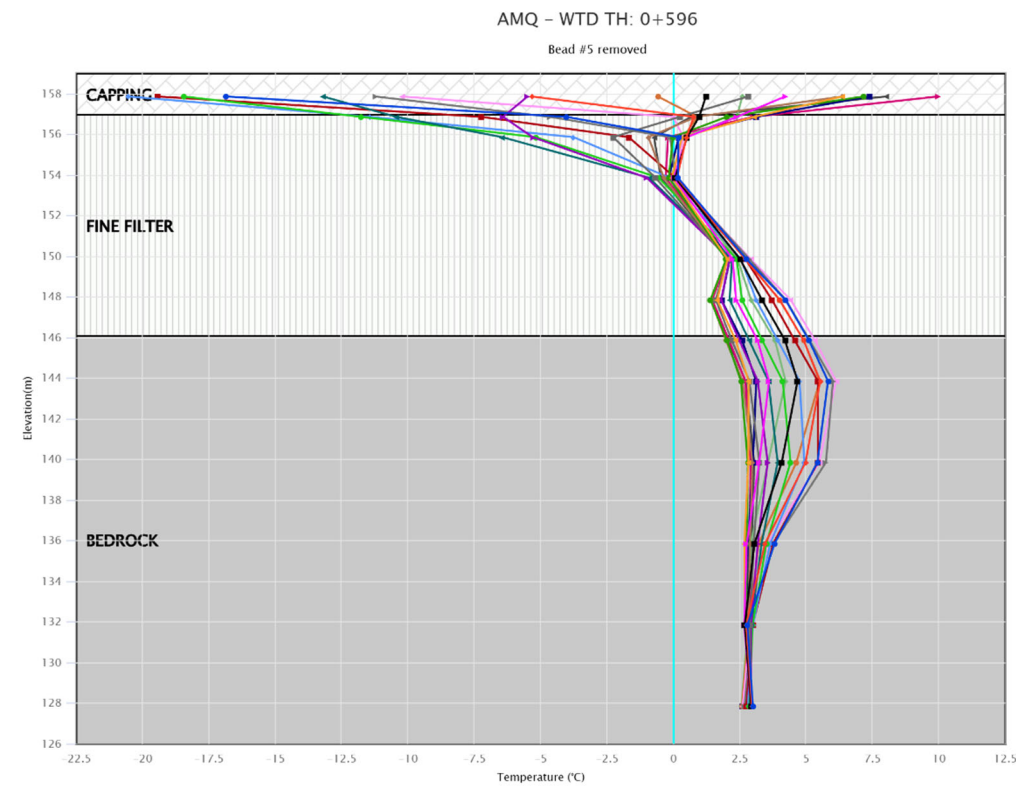
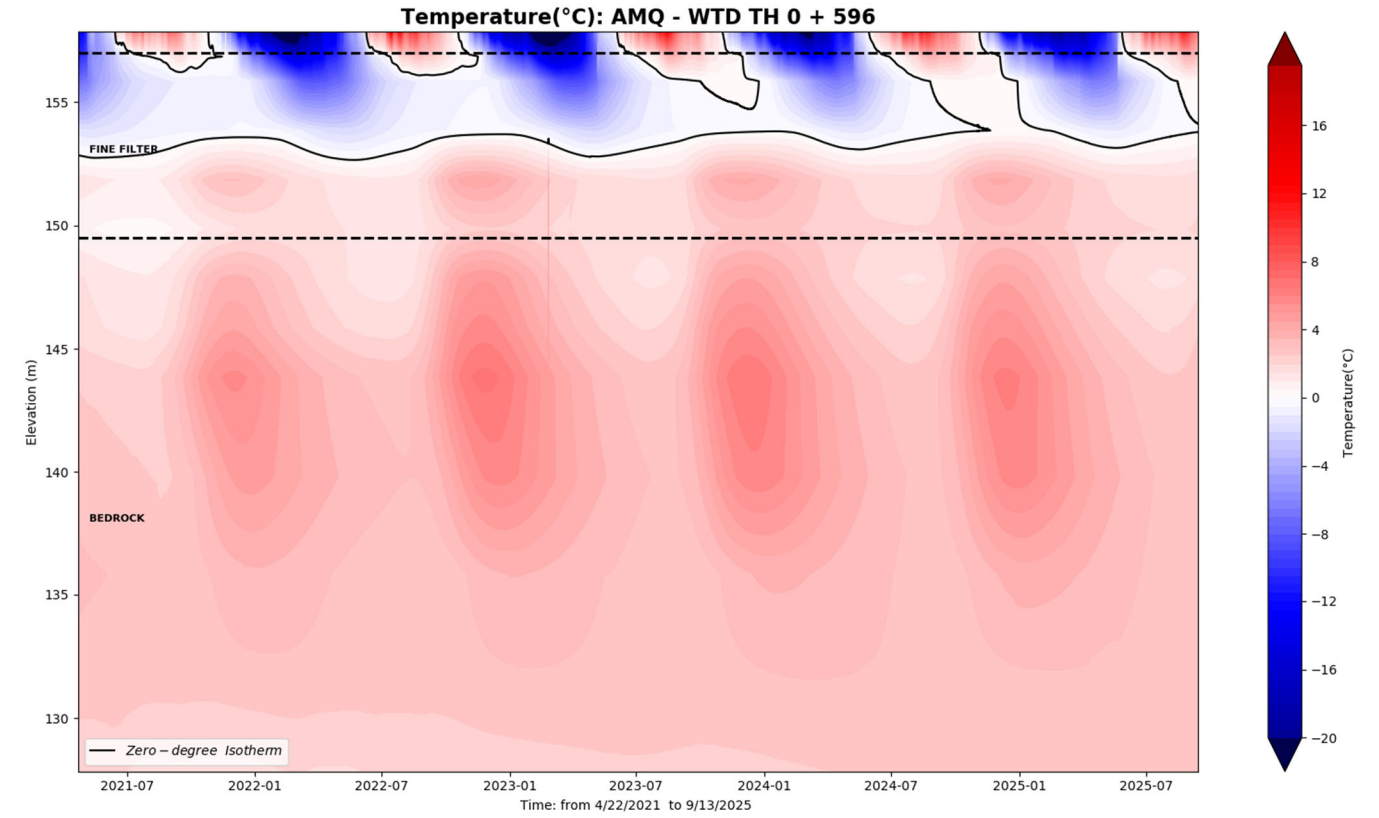
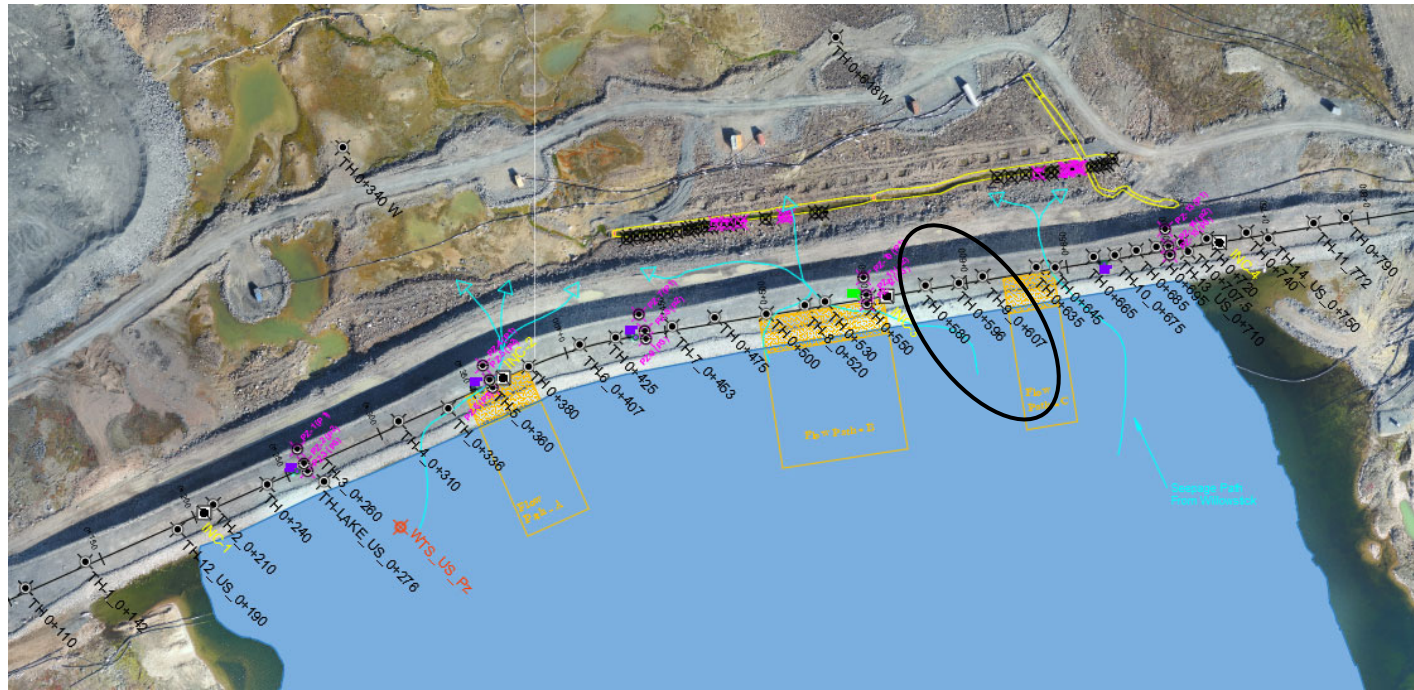
WTD-TH 0+580



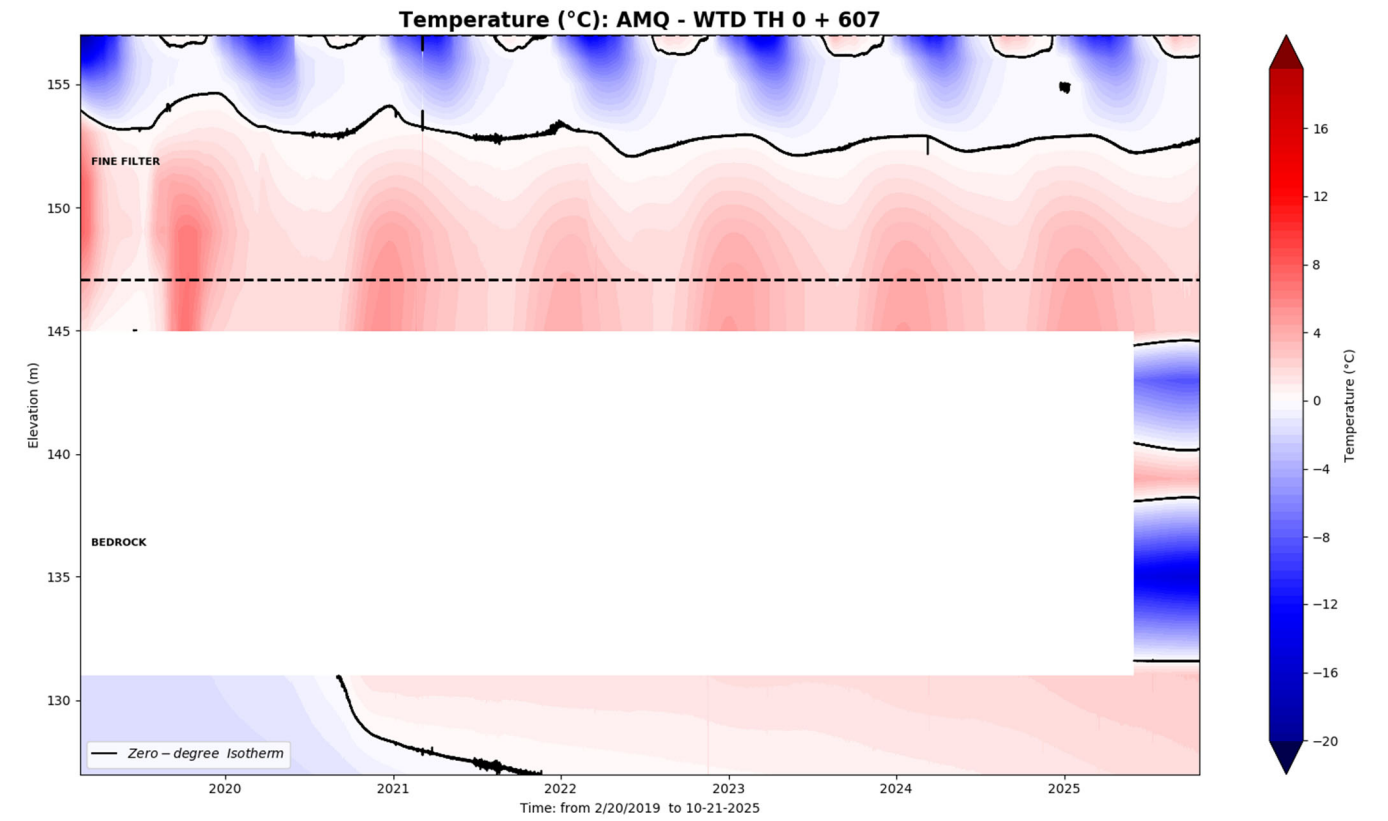
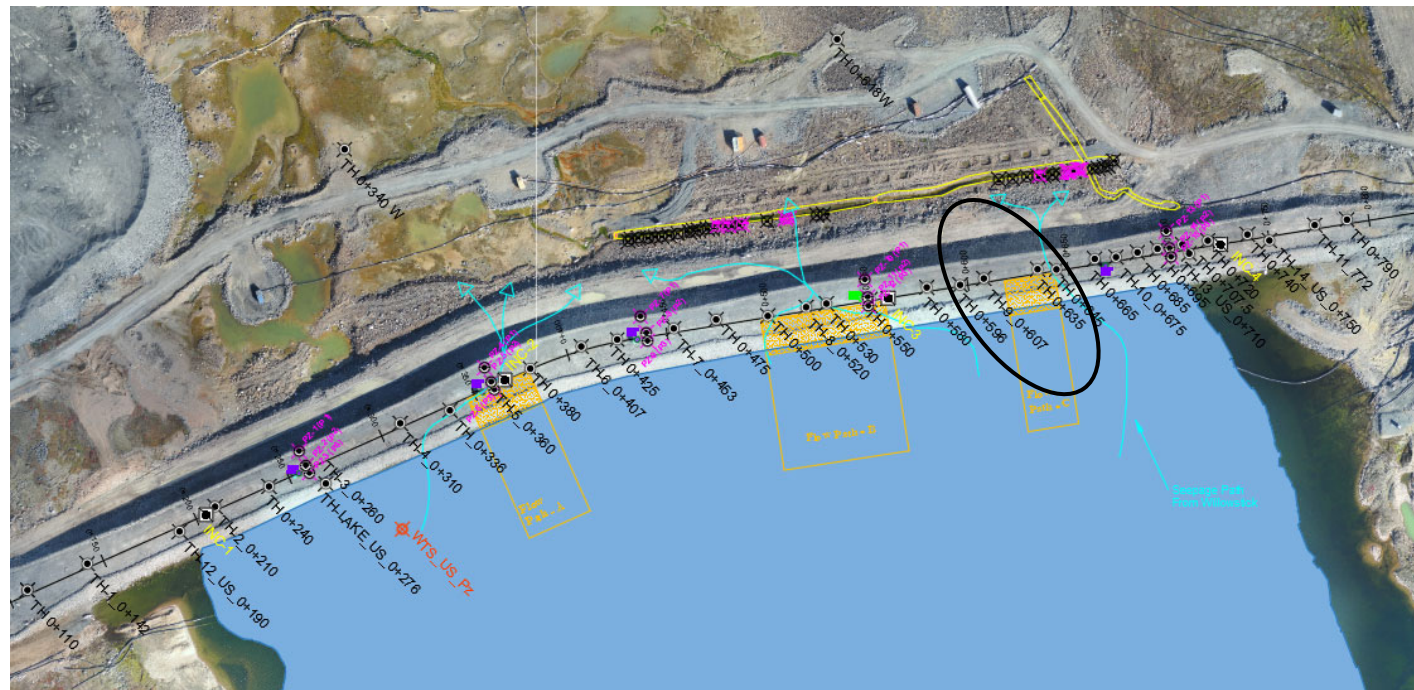
AMQ - WTD TH: 0+580_T



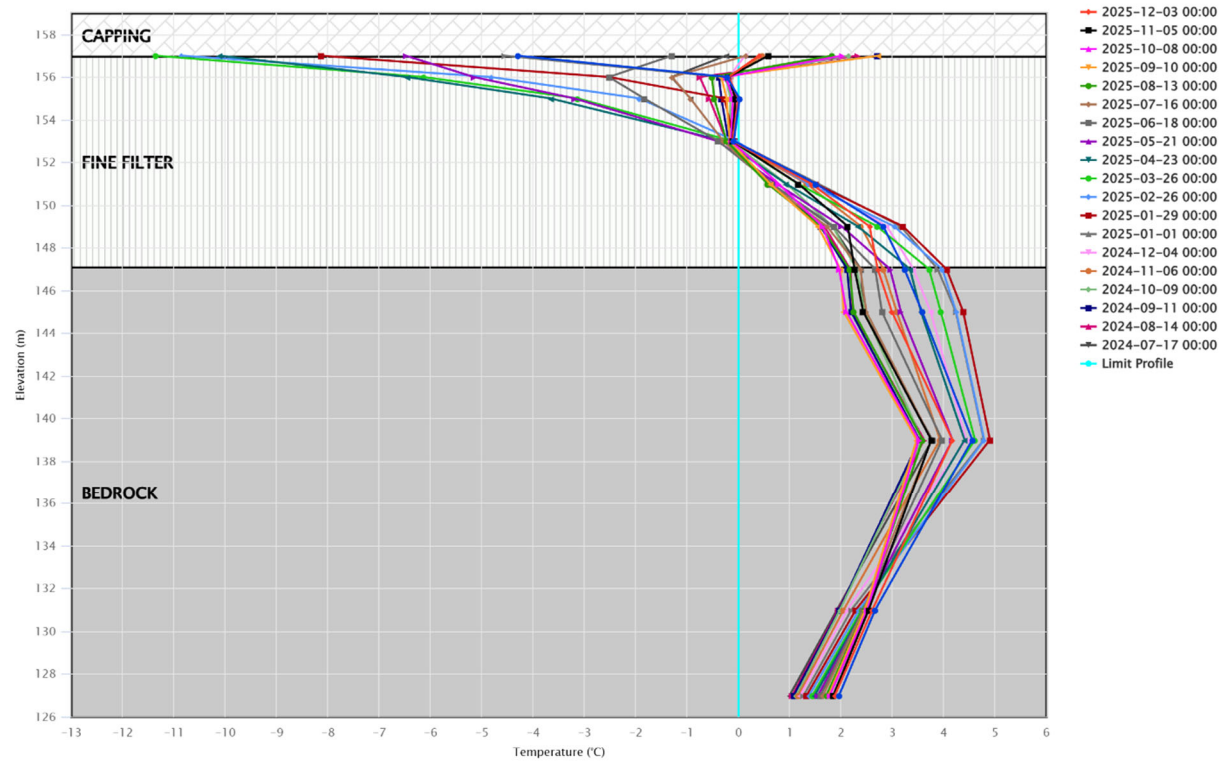
WTD-TH 0+596



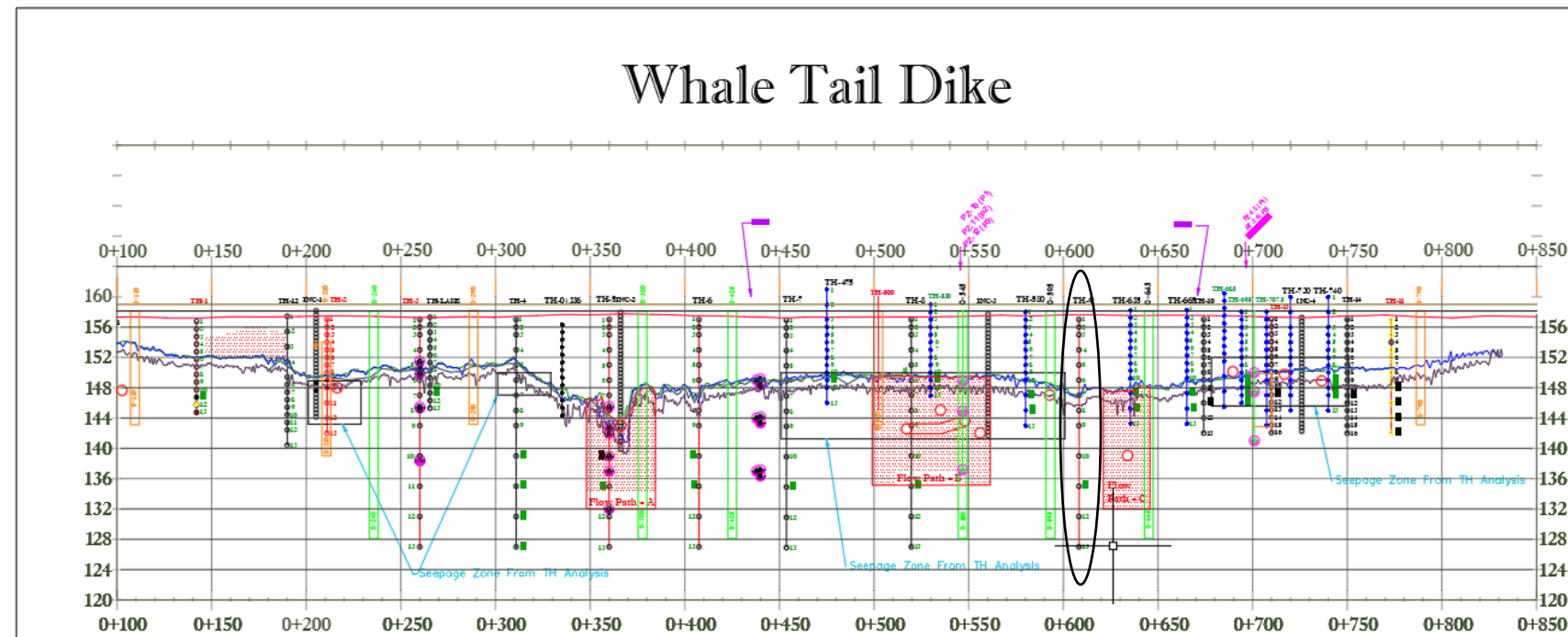
WTD-TH 0+607



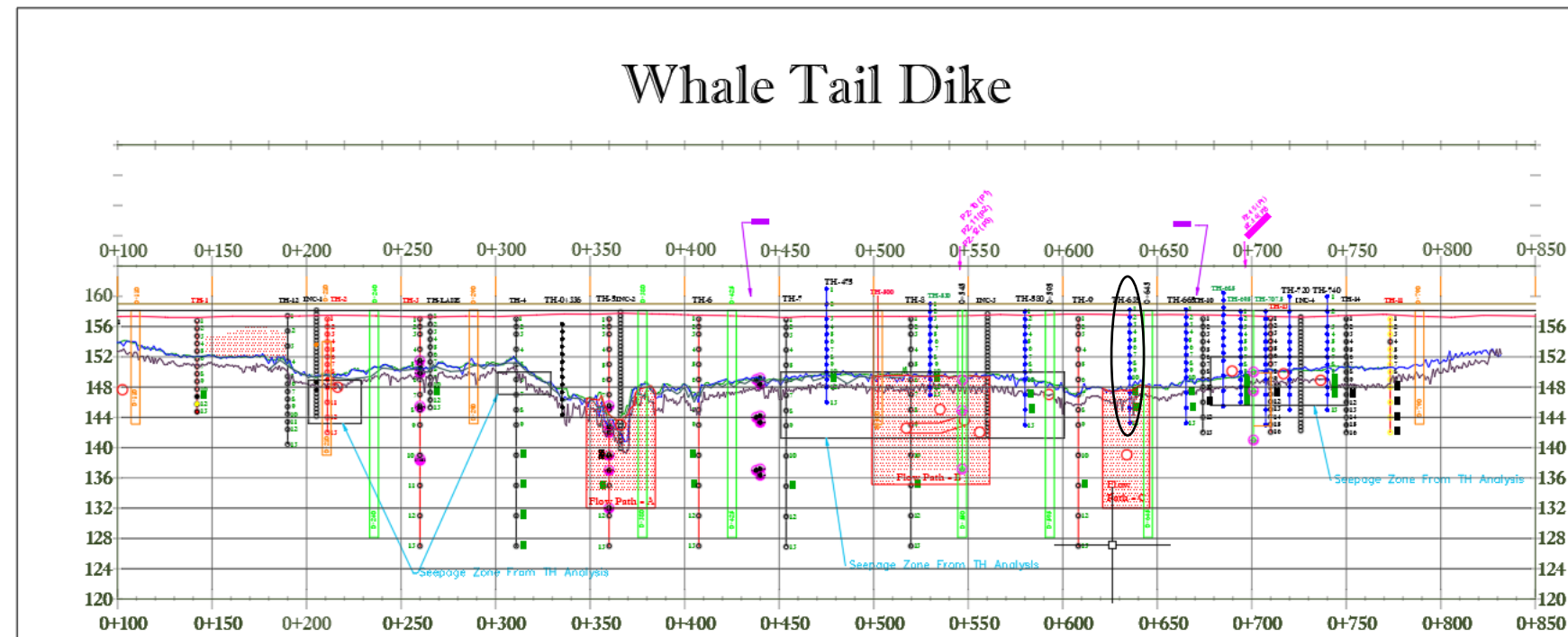
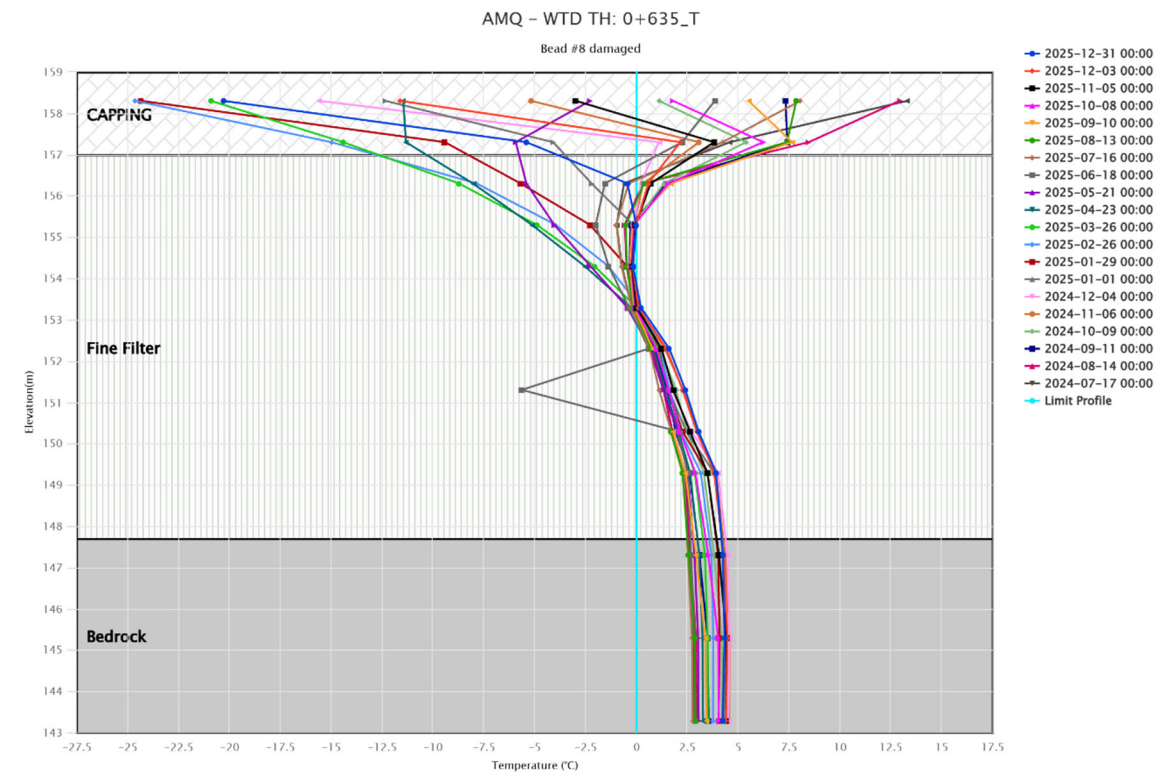
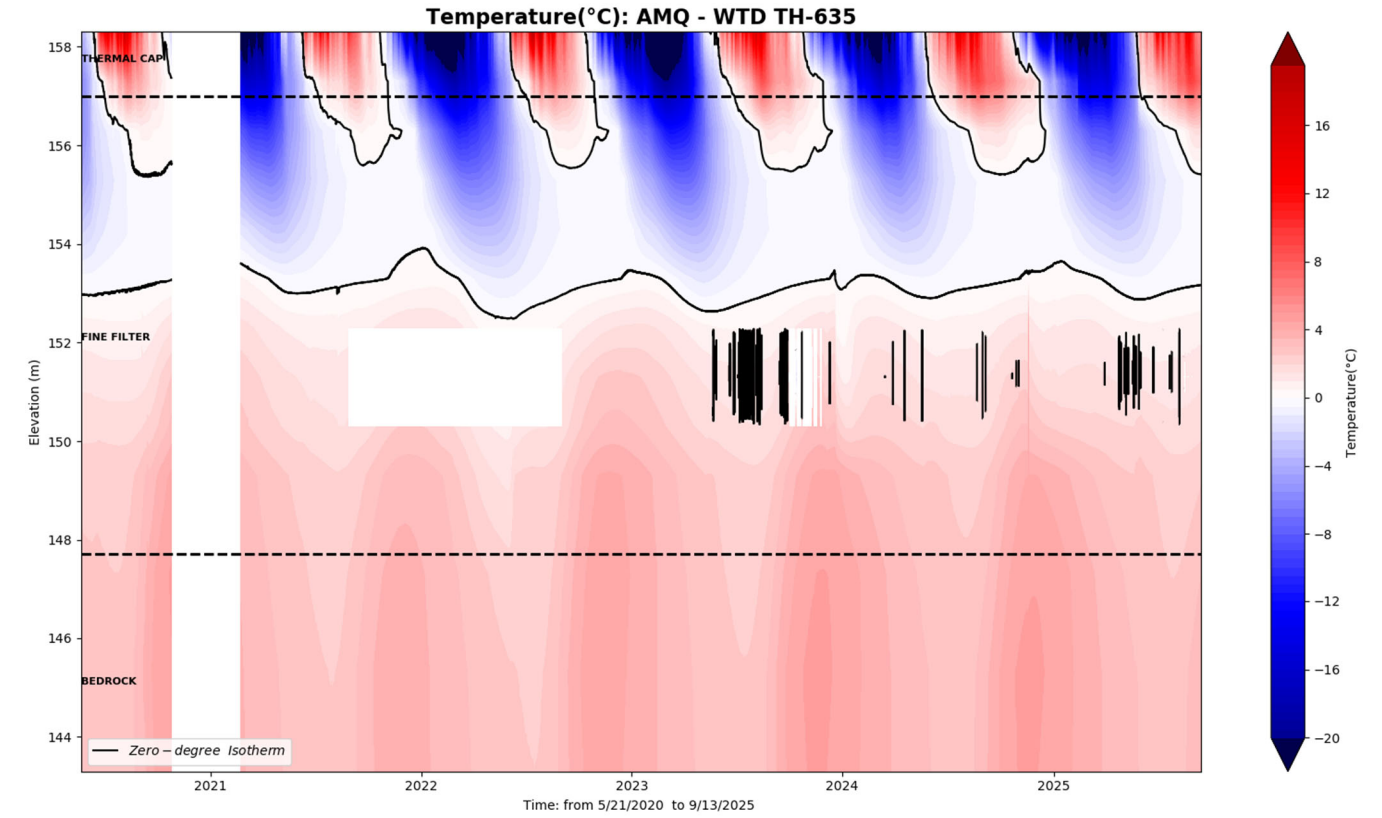
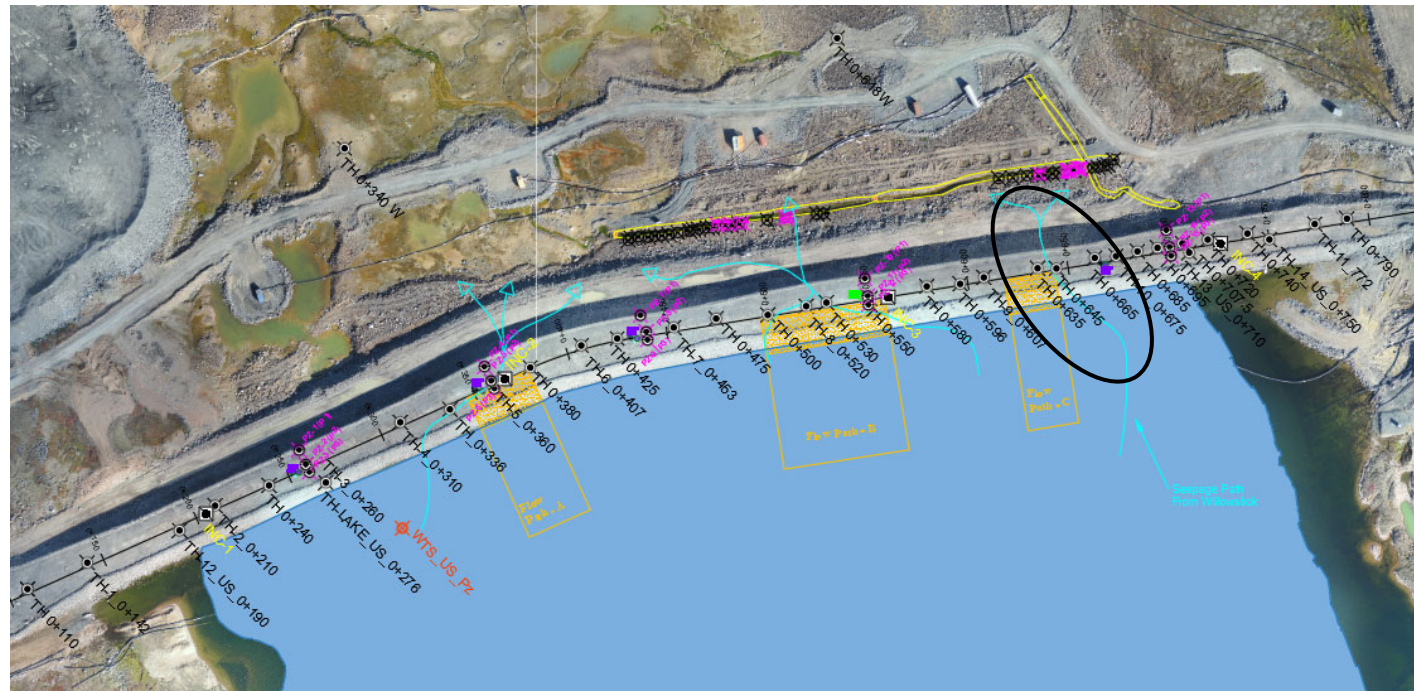
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Beads # 9 and #11 removed.



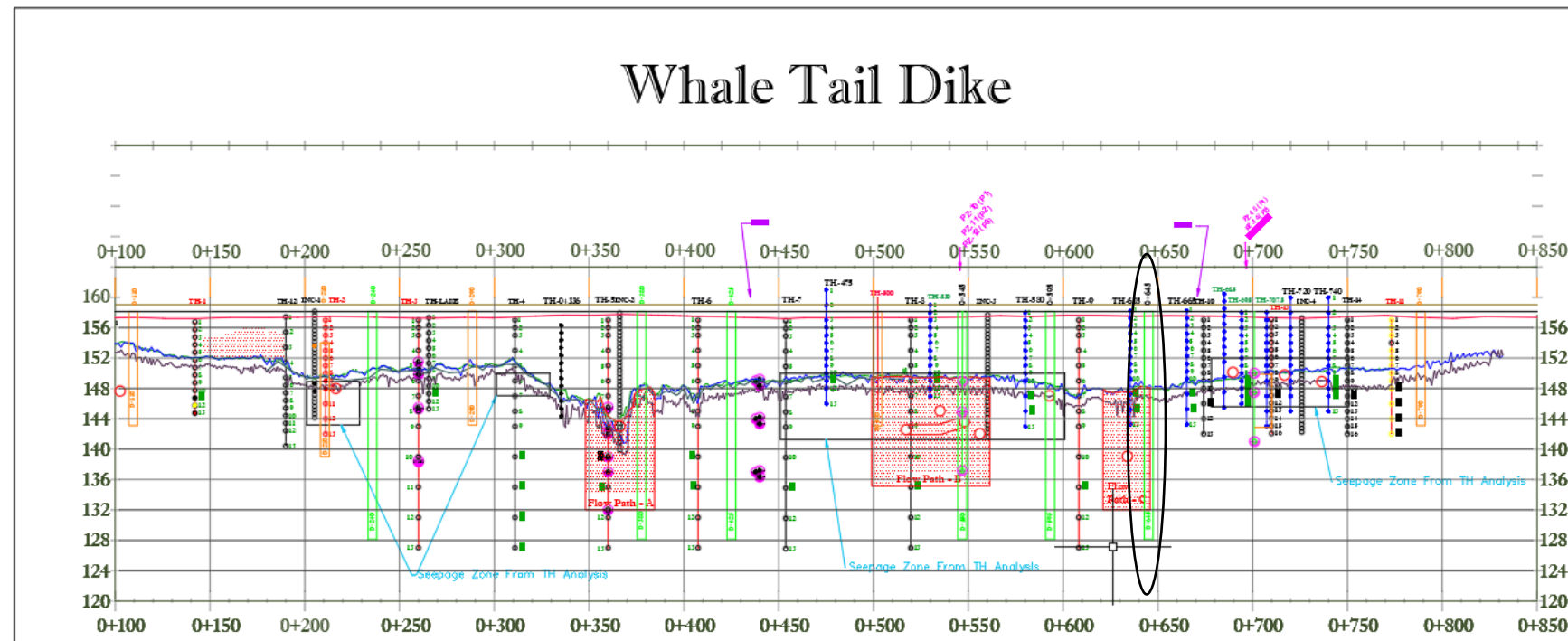
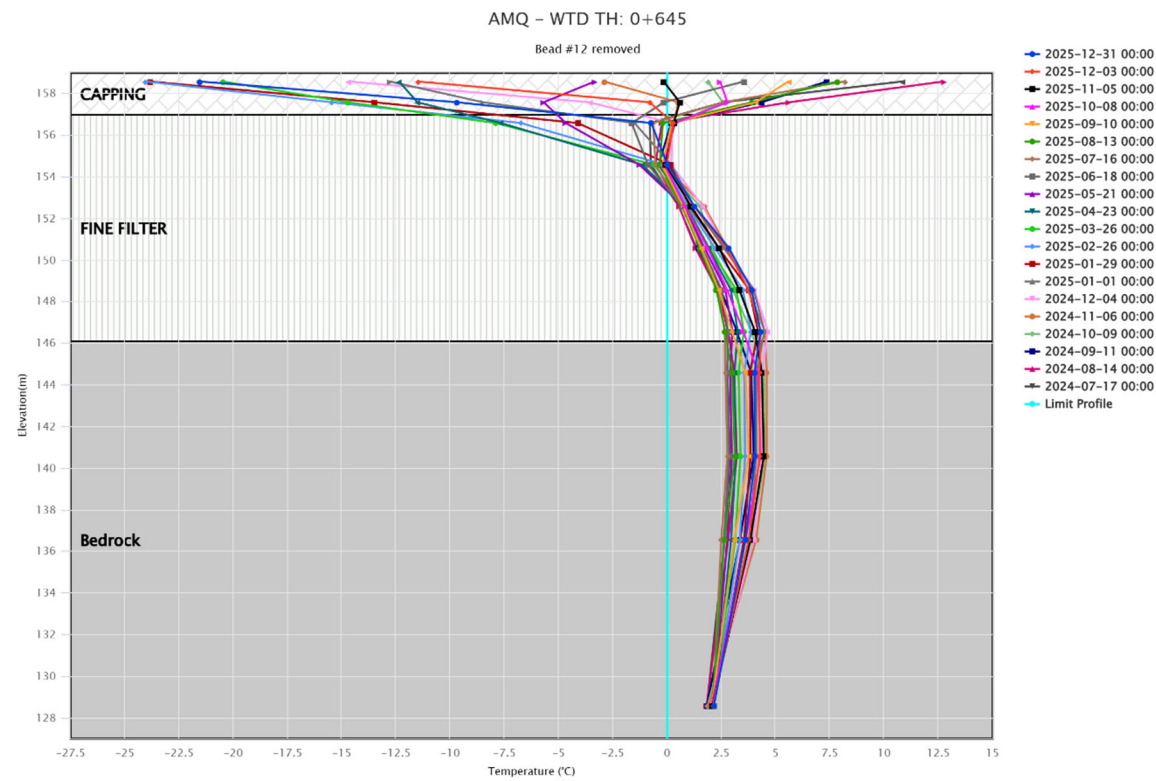
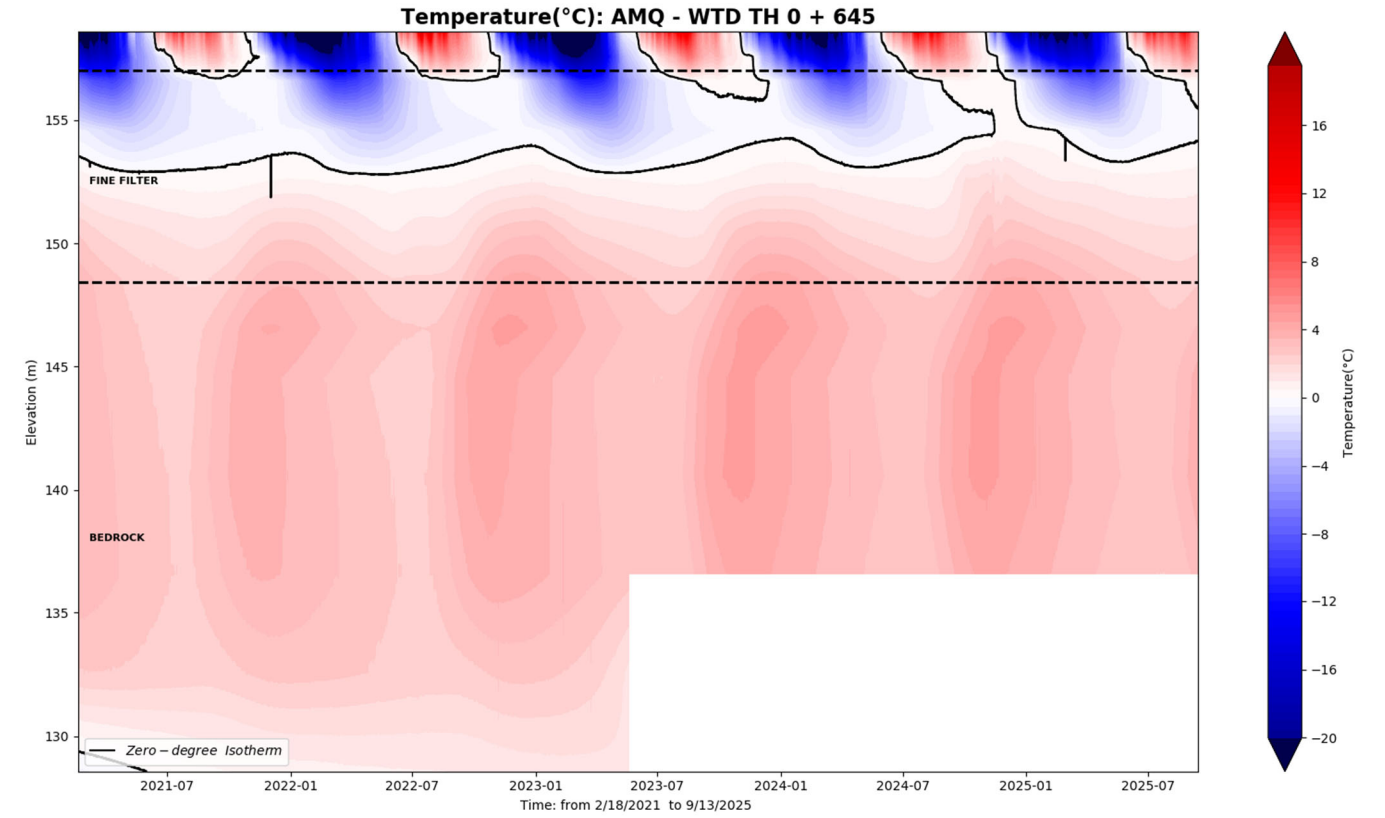
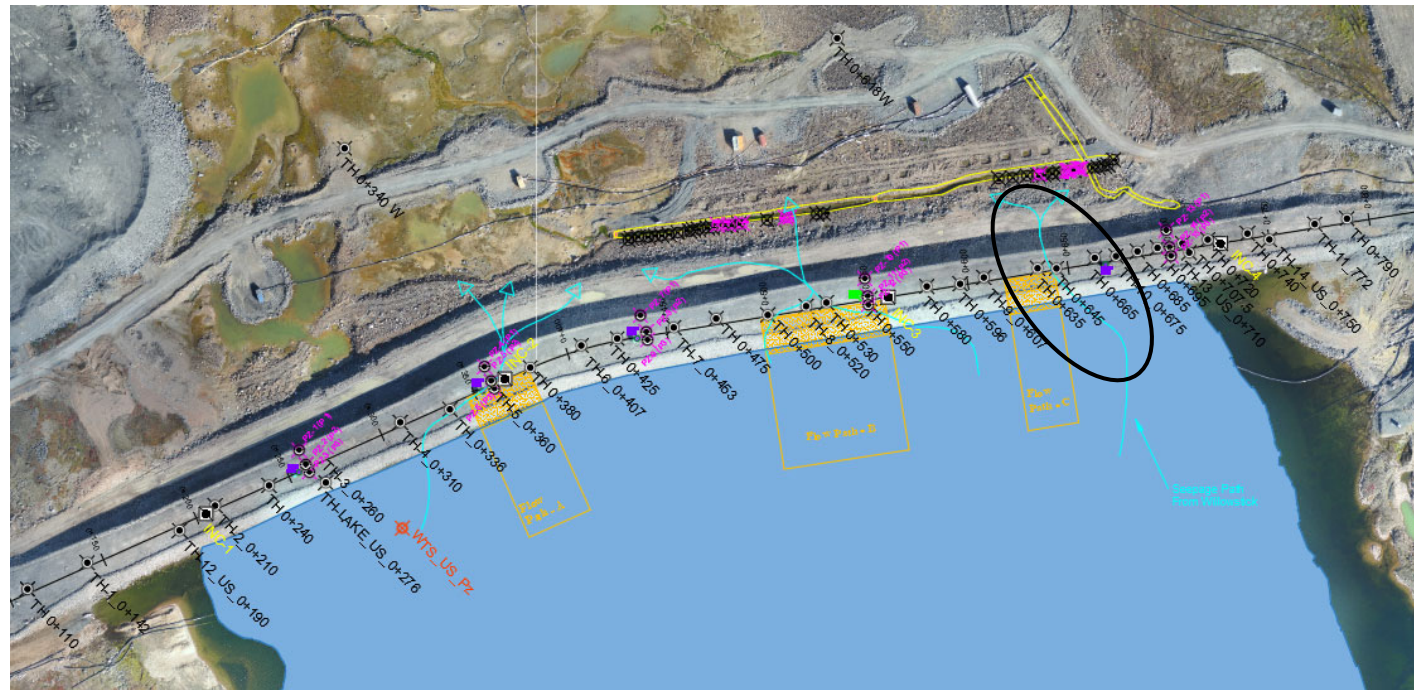
Whale Tail Dike



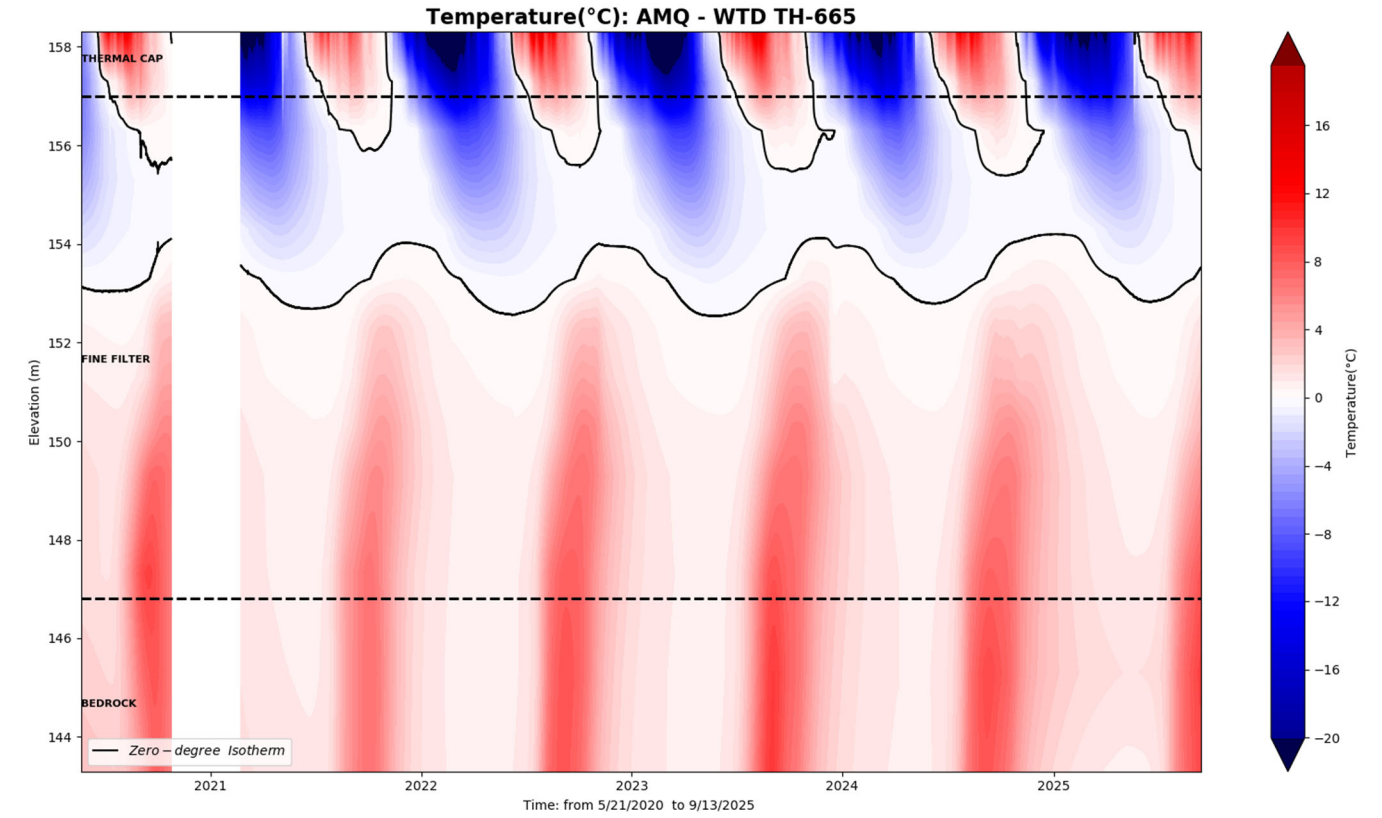
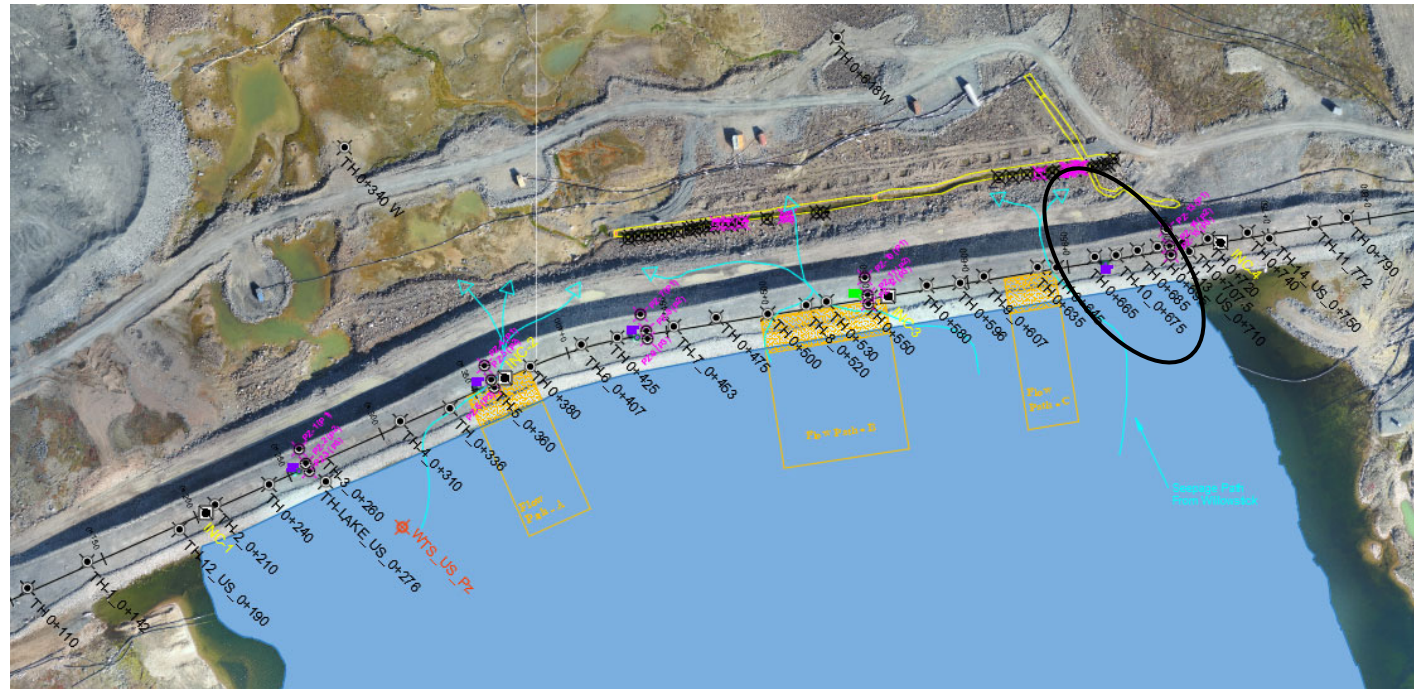
WTD-TH 0+635



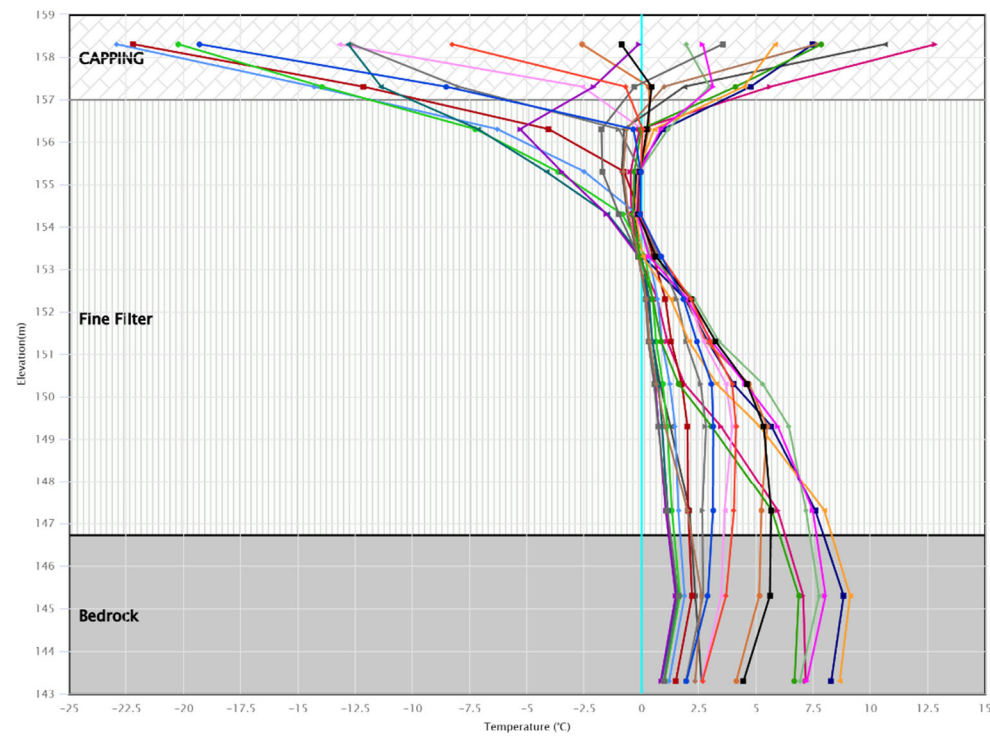
WTD-TH 0+645



WTD-TH 0+665

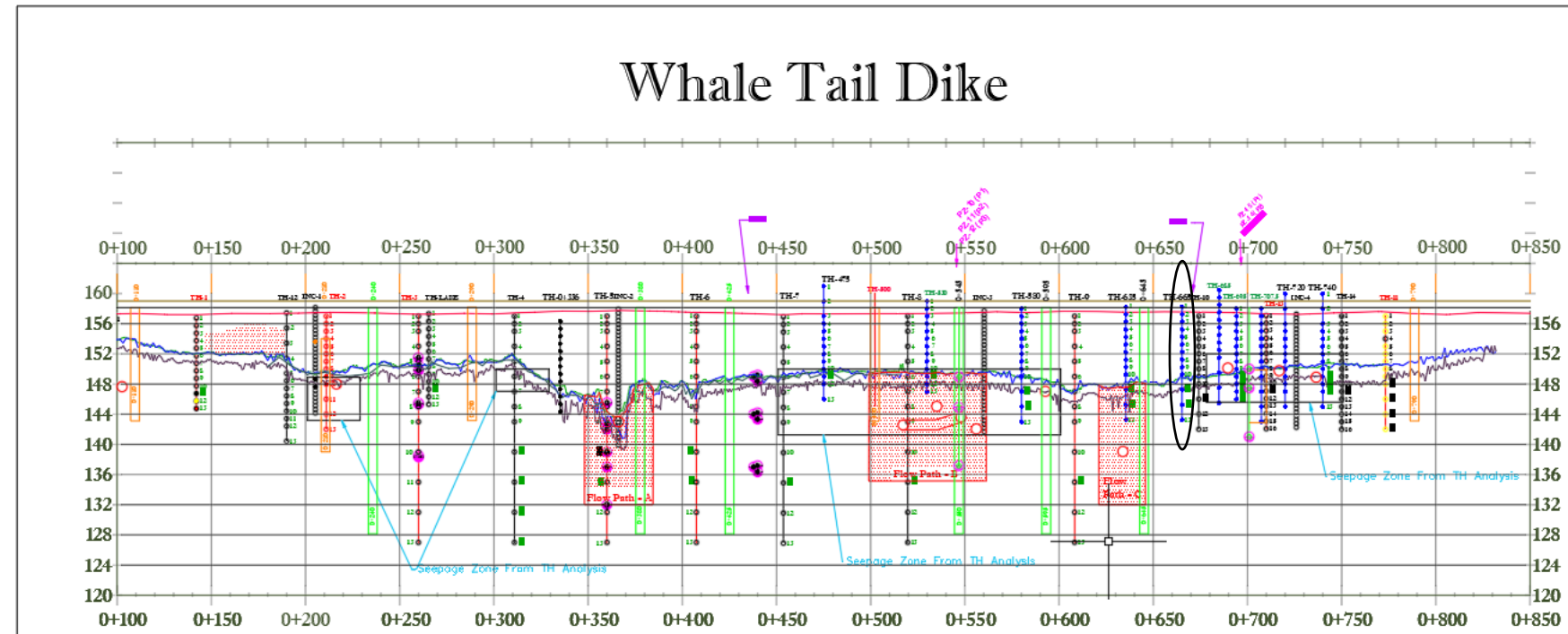


AMQ - WTD TH: 0+665_T

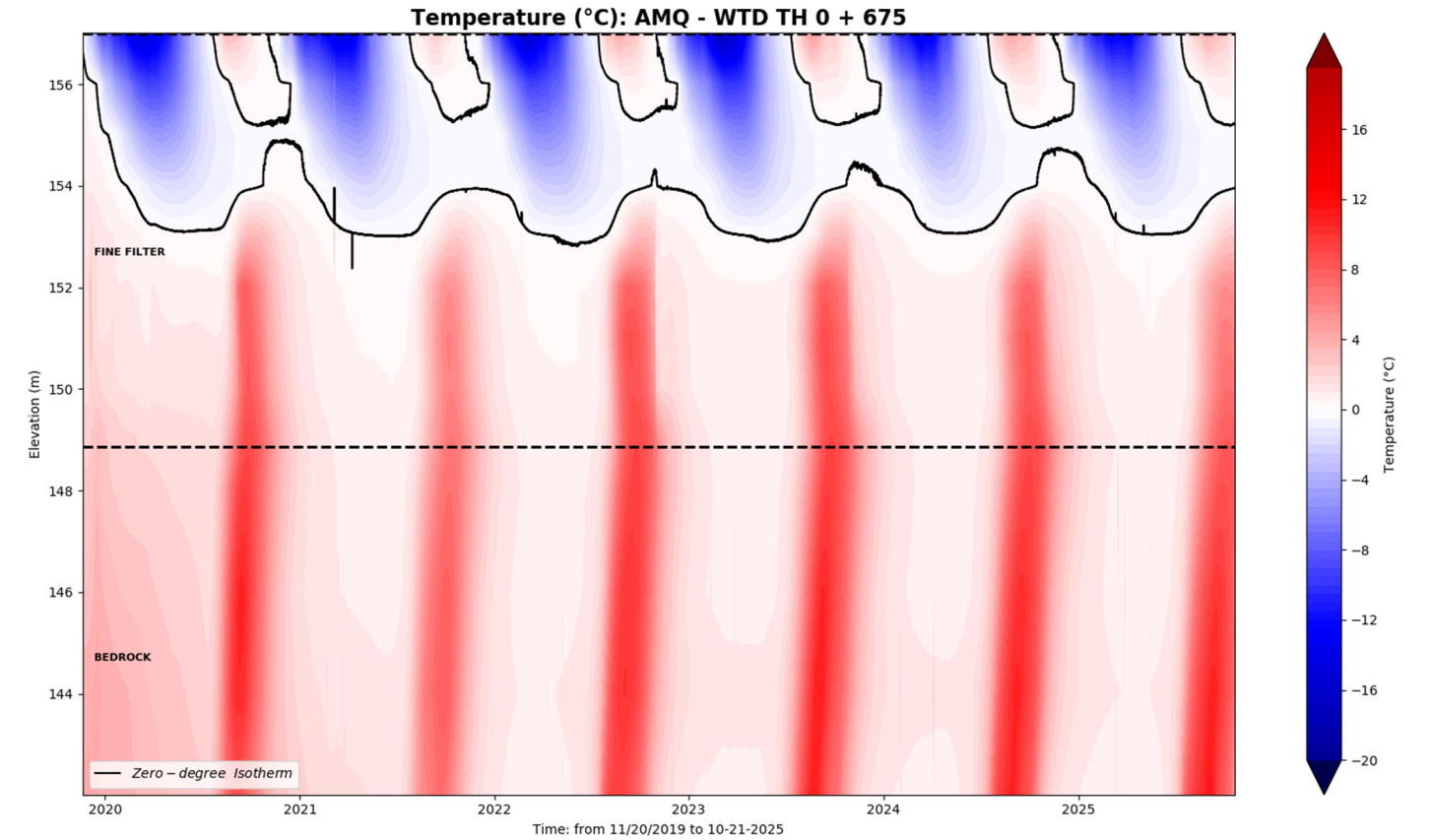
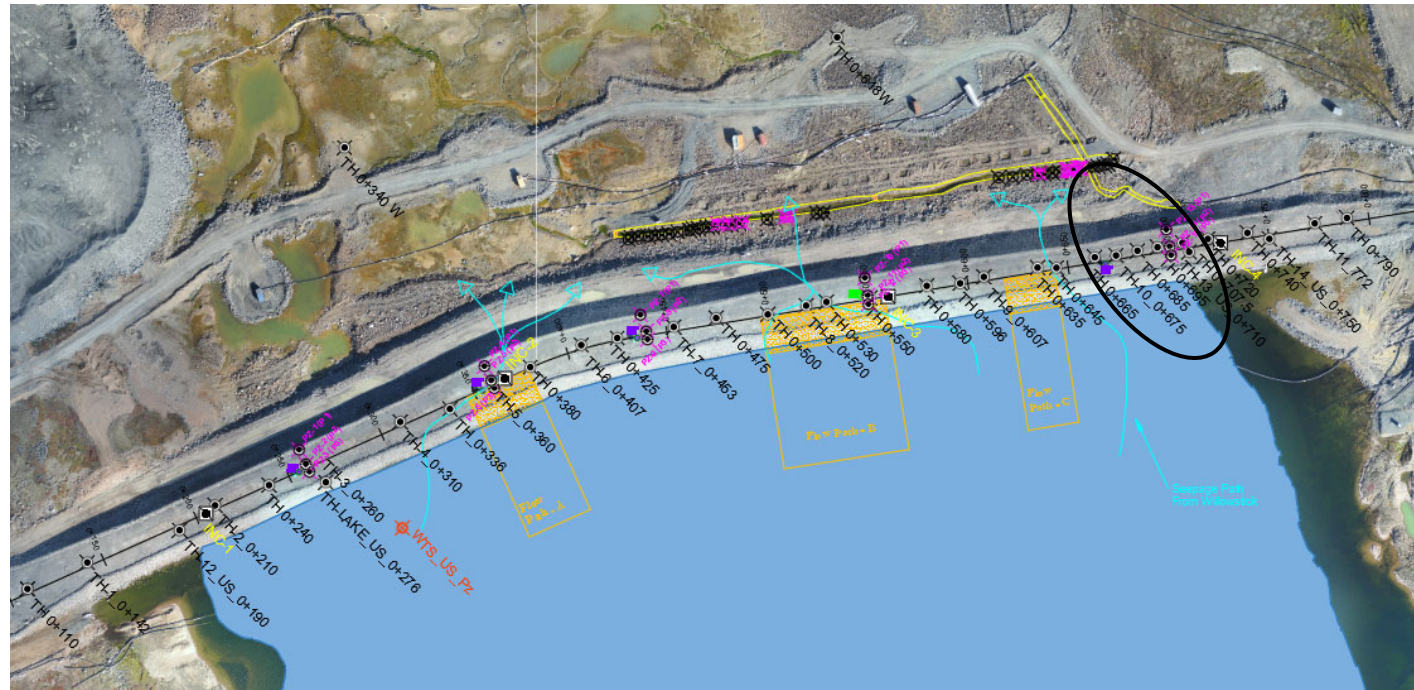


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- Limit Profile

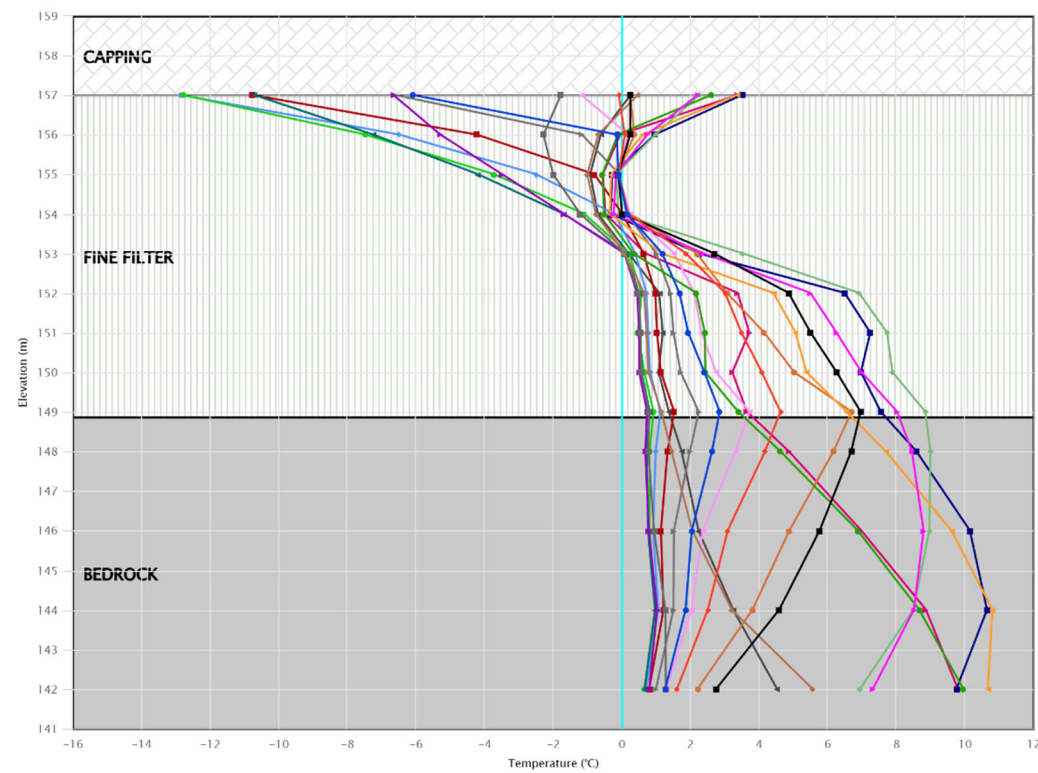
Whale Tail Dike



WTD-TH 0+675

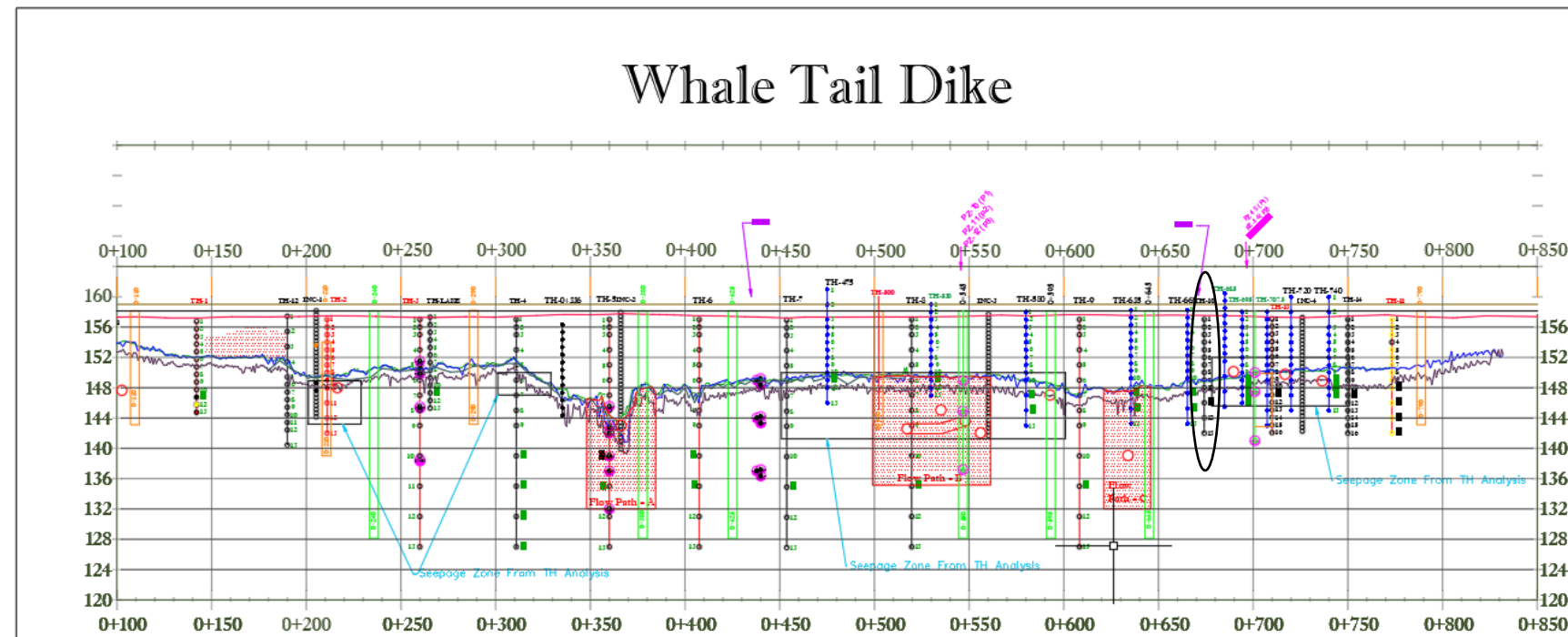


AMQ - WTD TH: 0+675

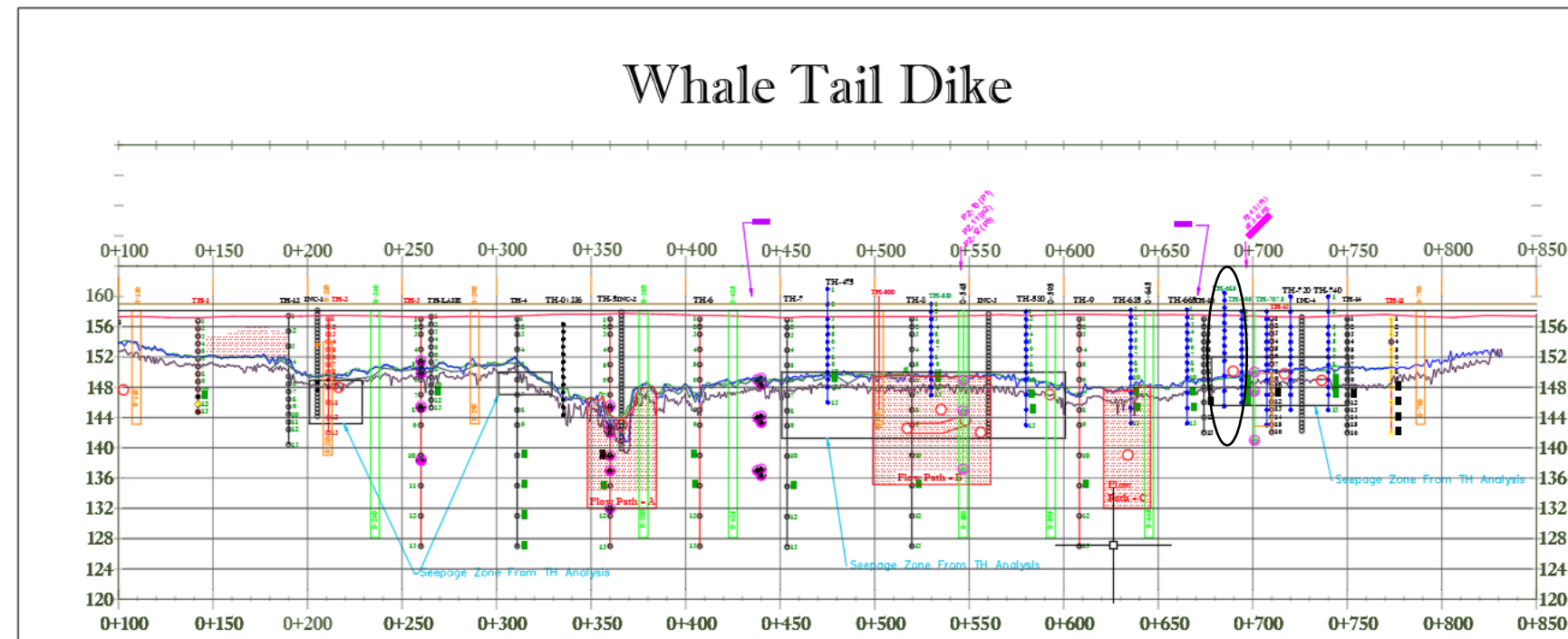
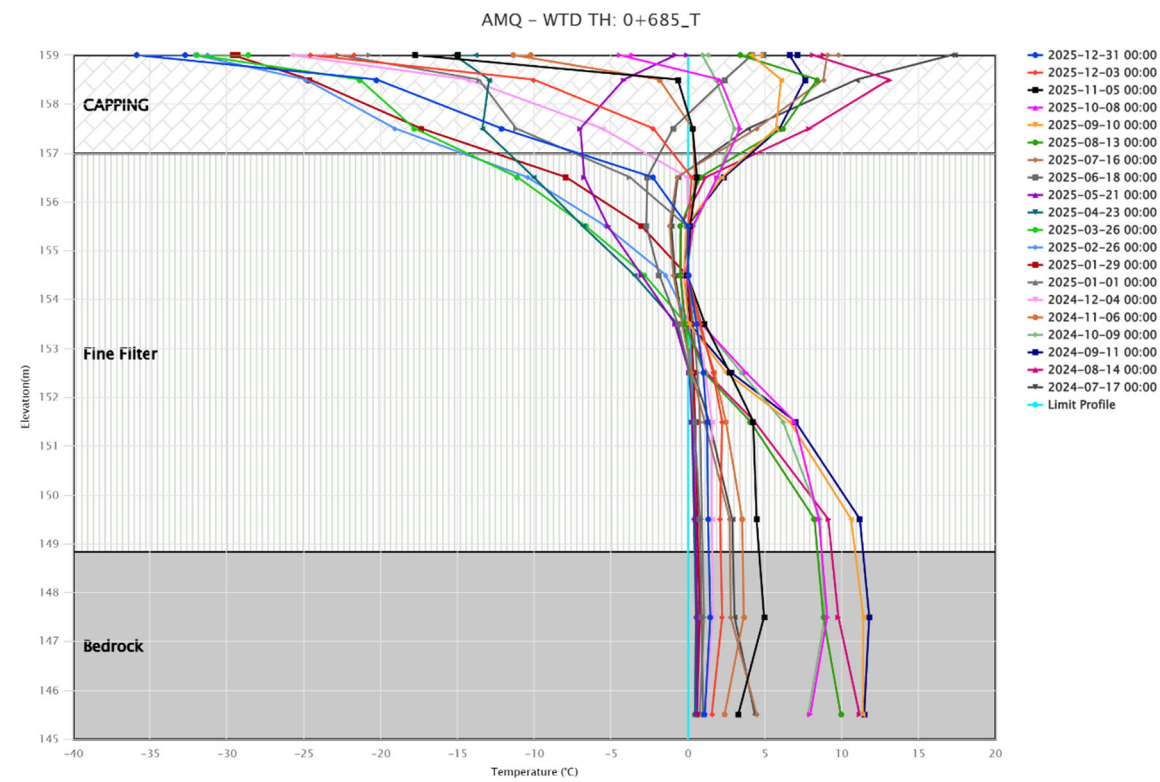
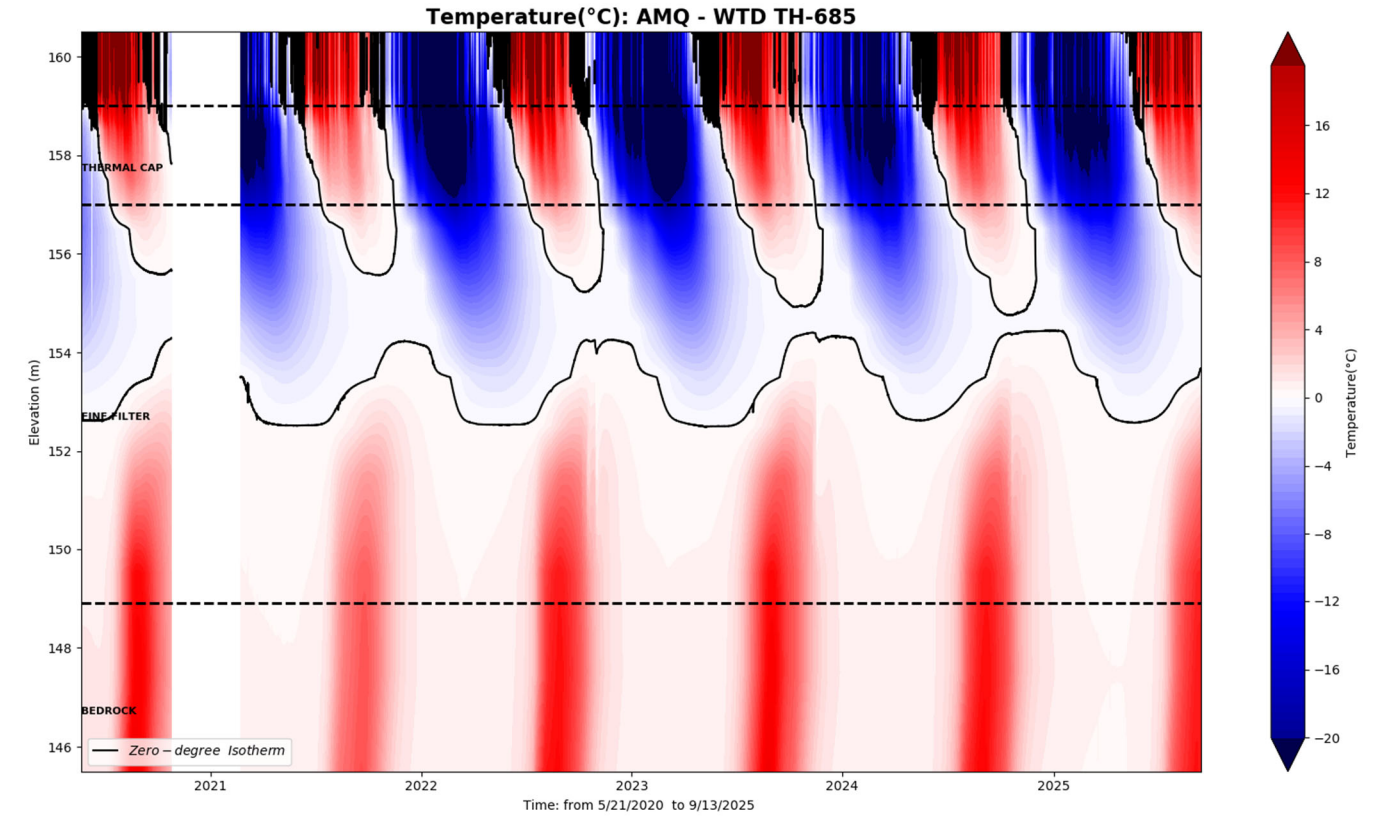
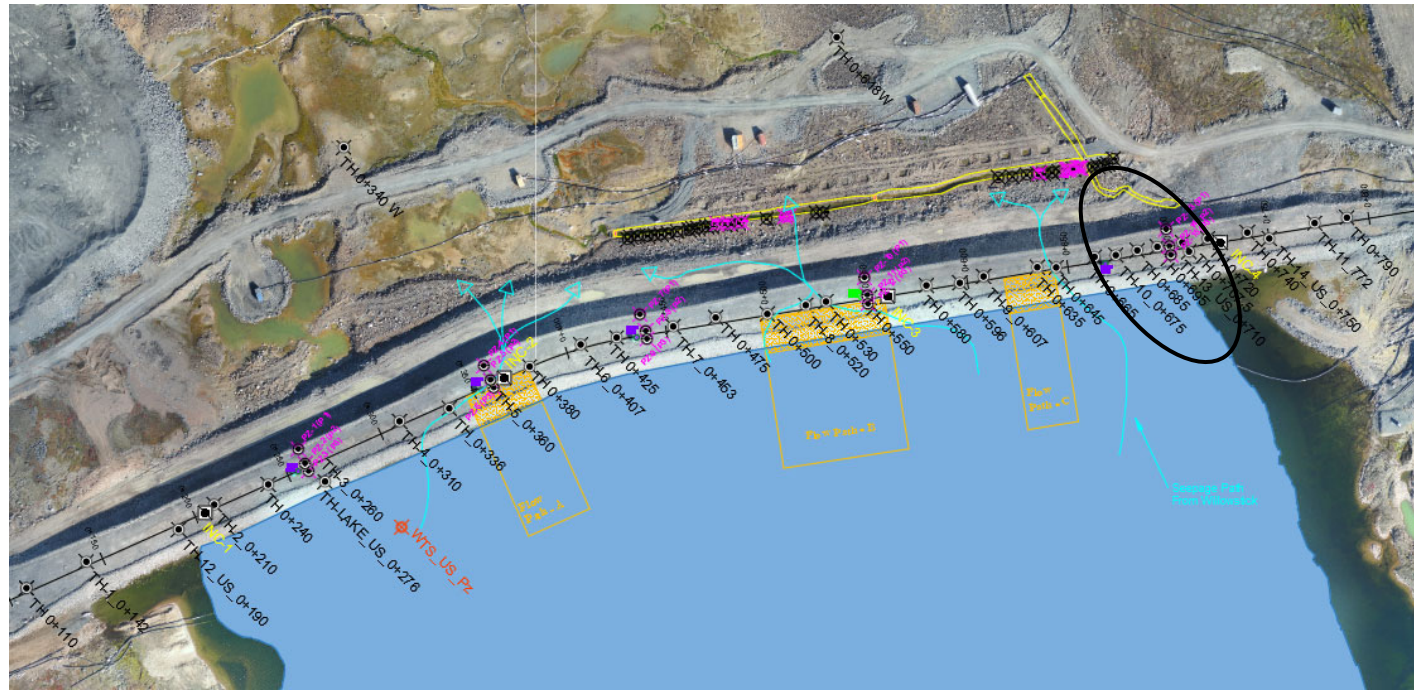


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- Limit Profile

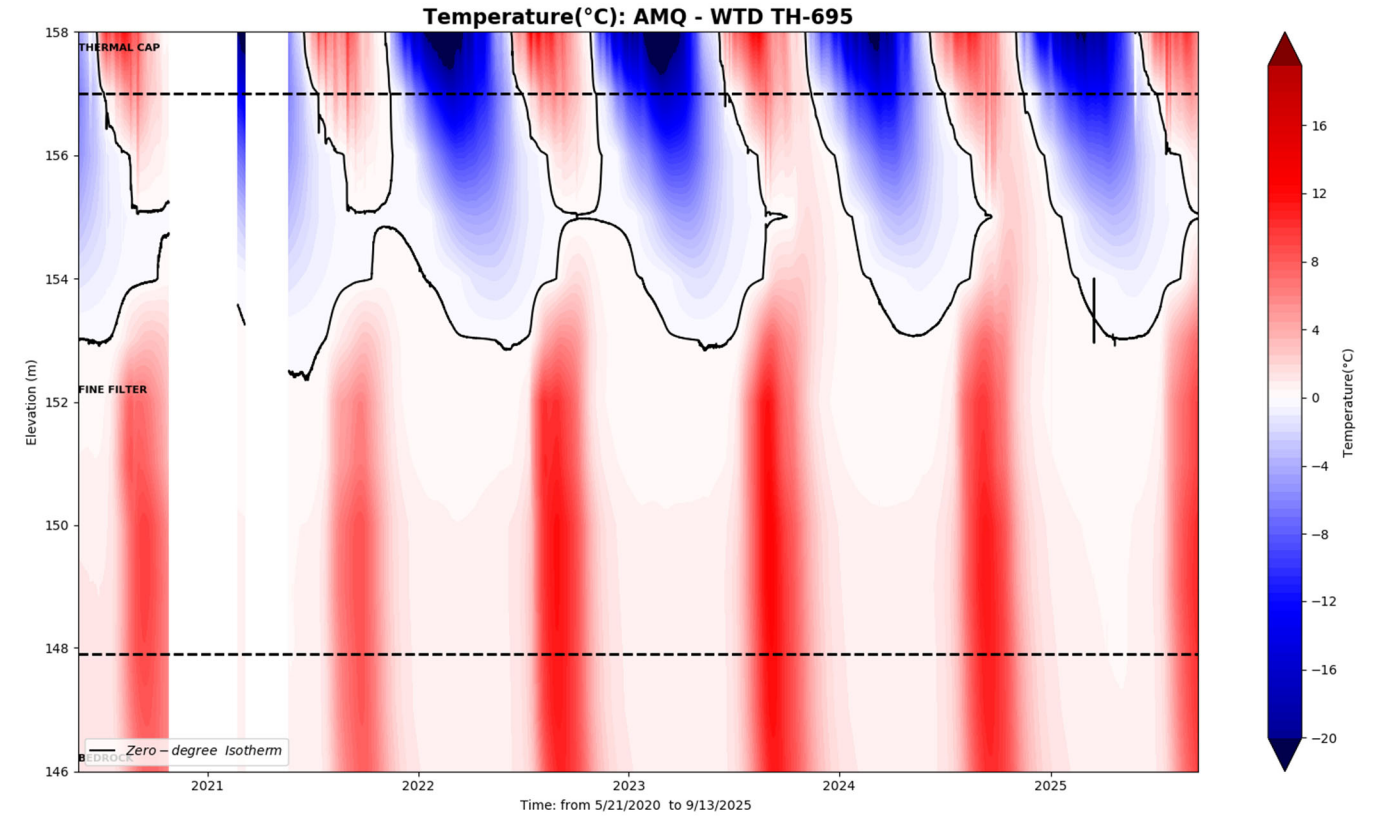
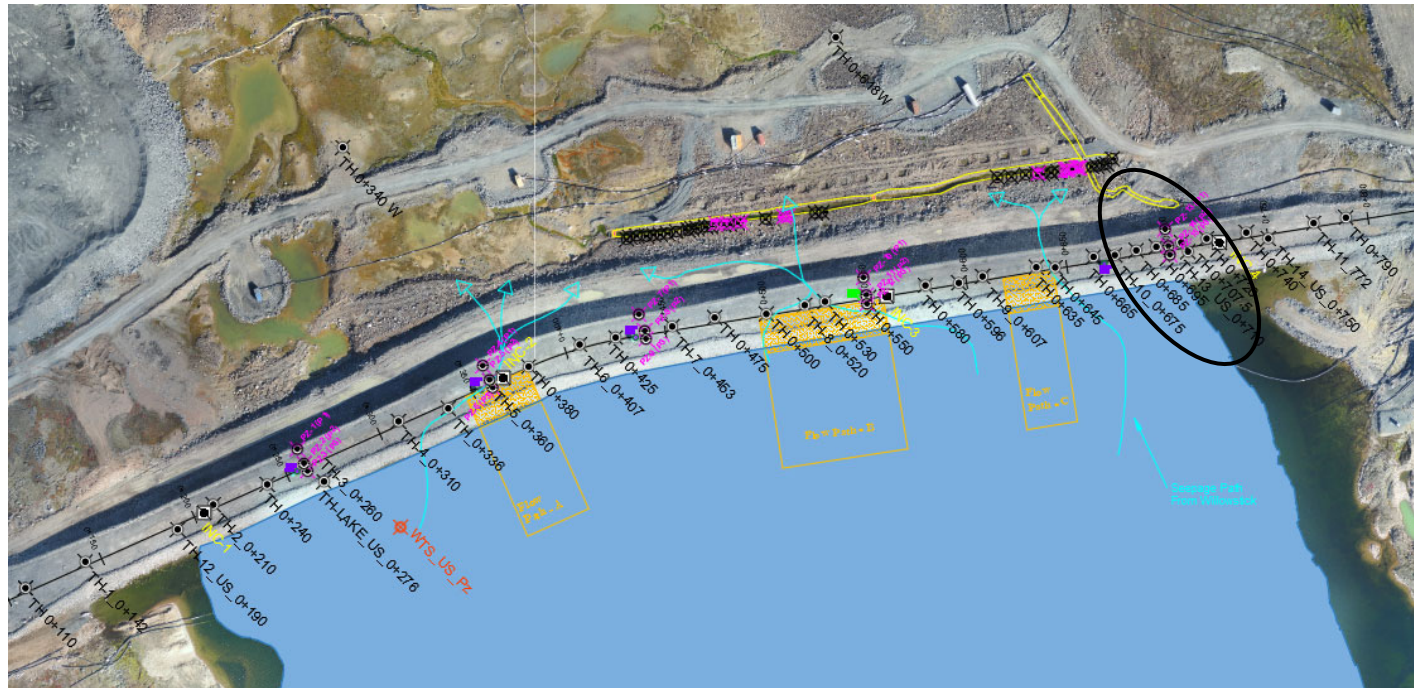
Whale Tail Dike



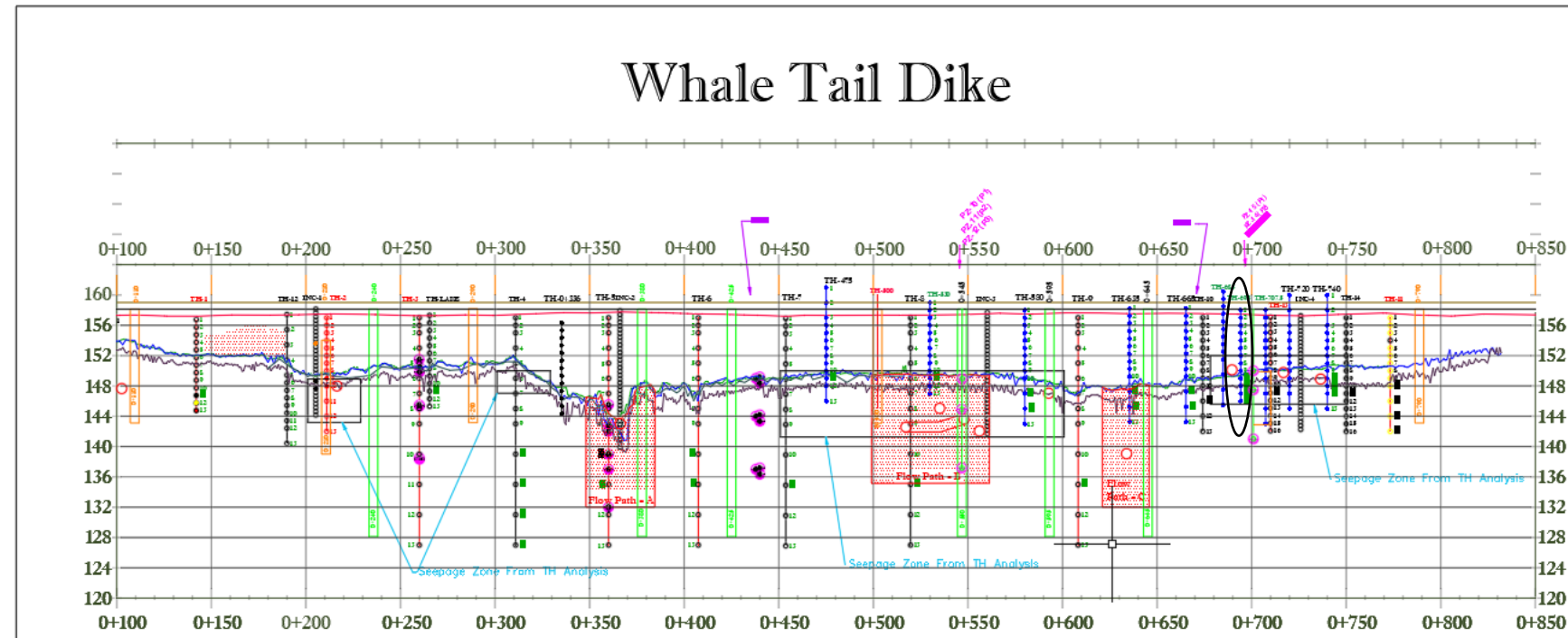
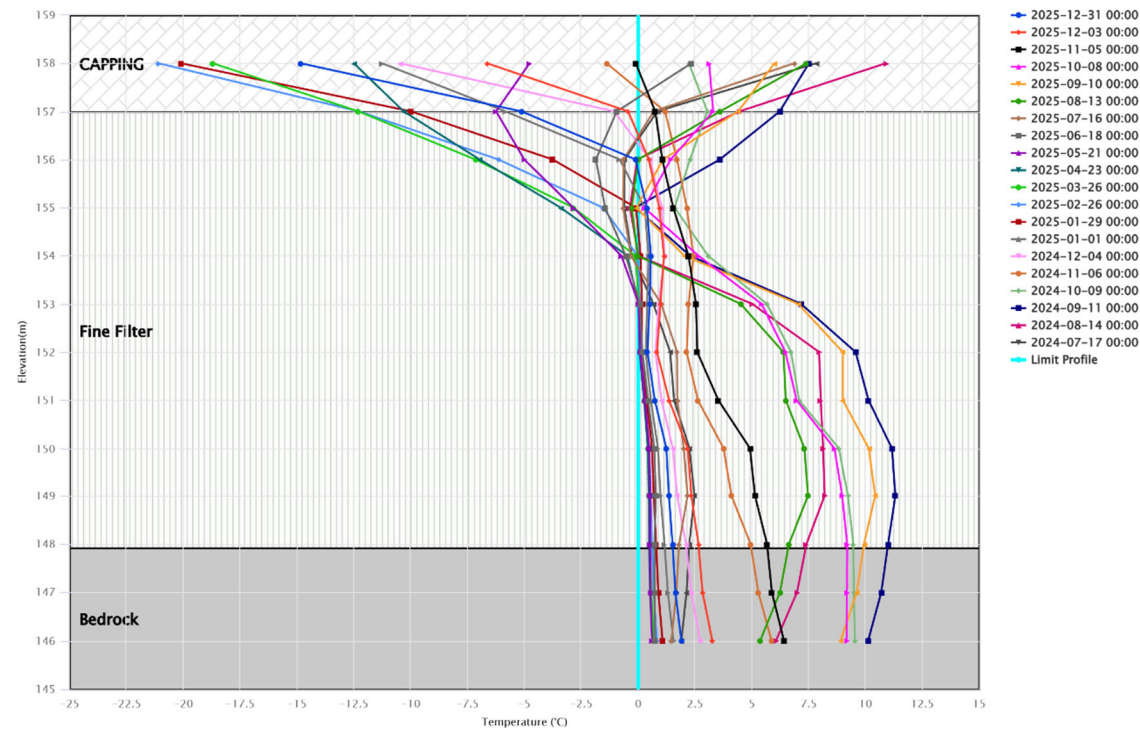
WTD-TH 0+685



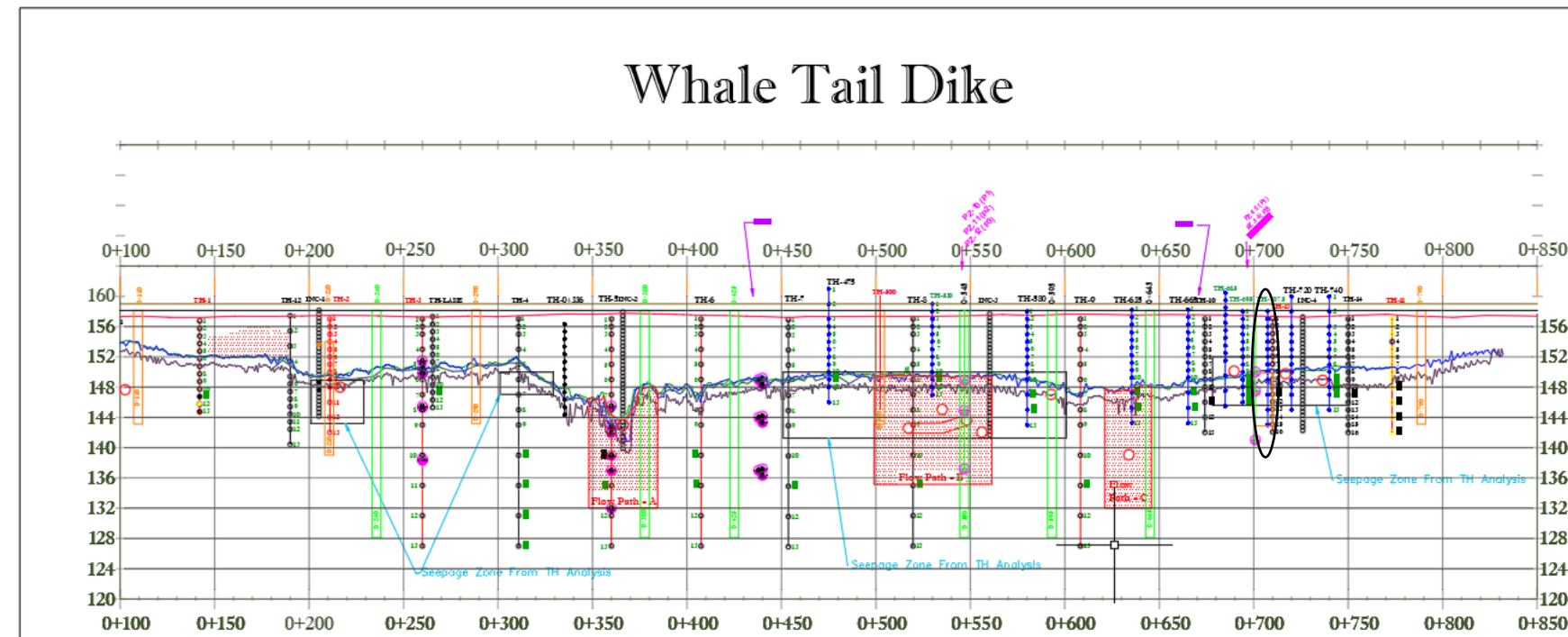
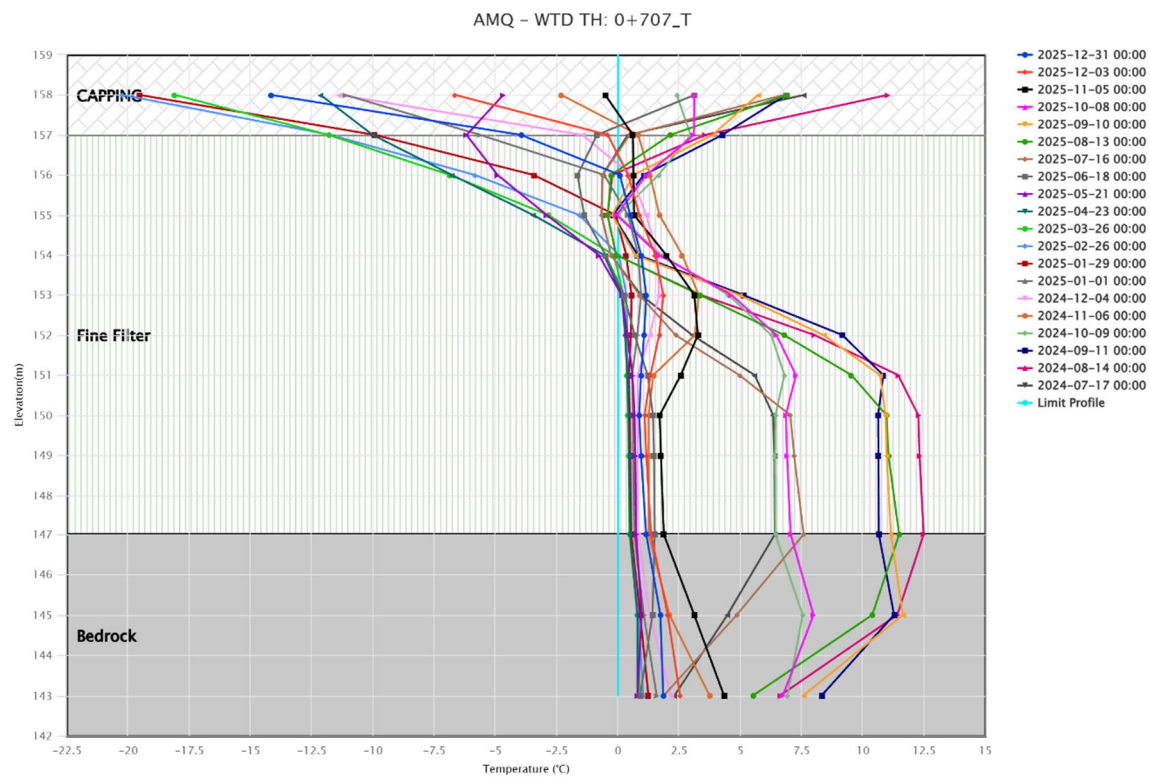
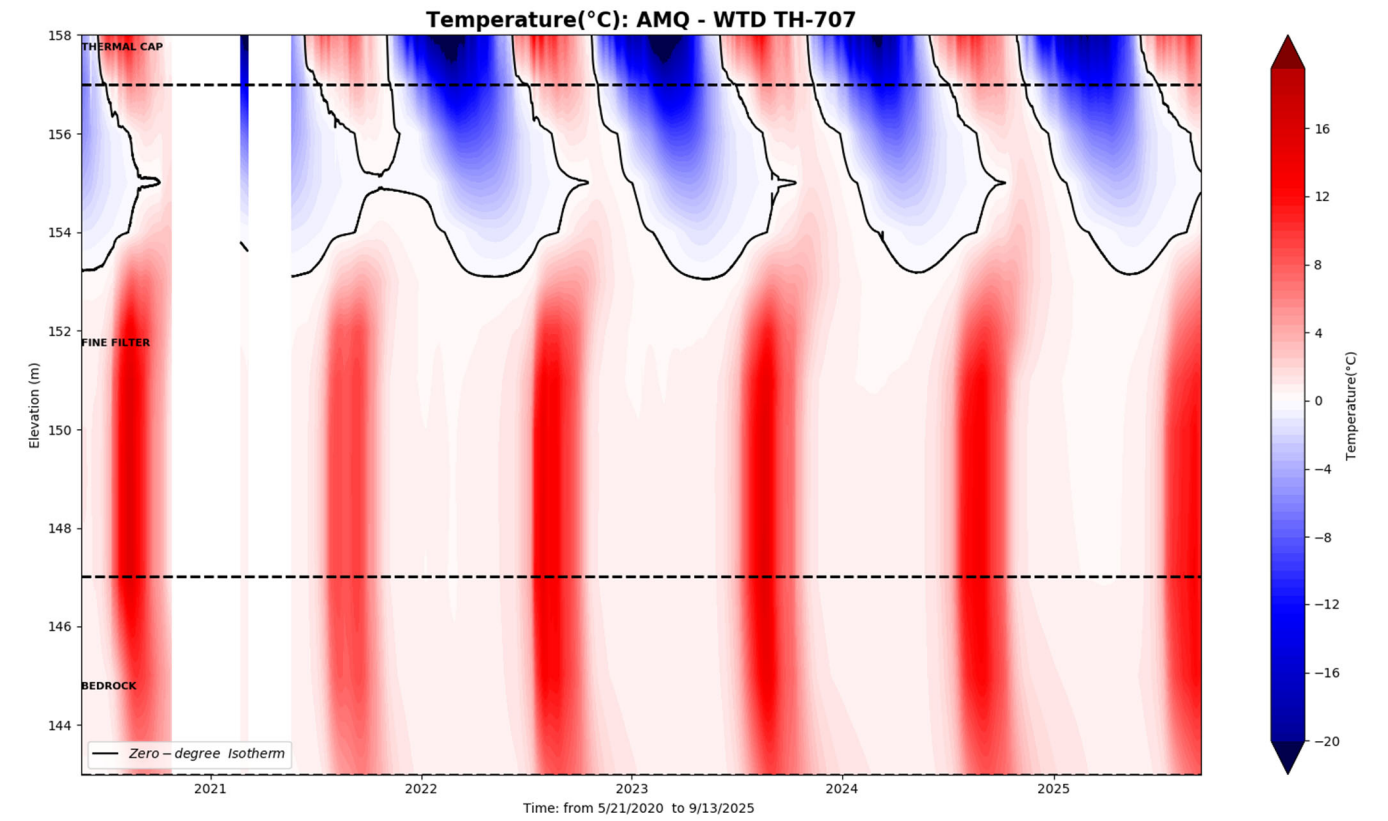
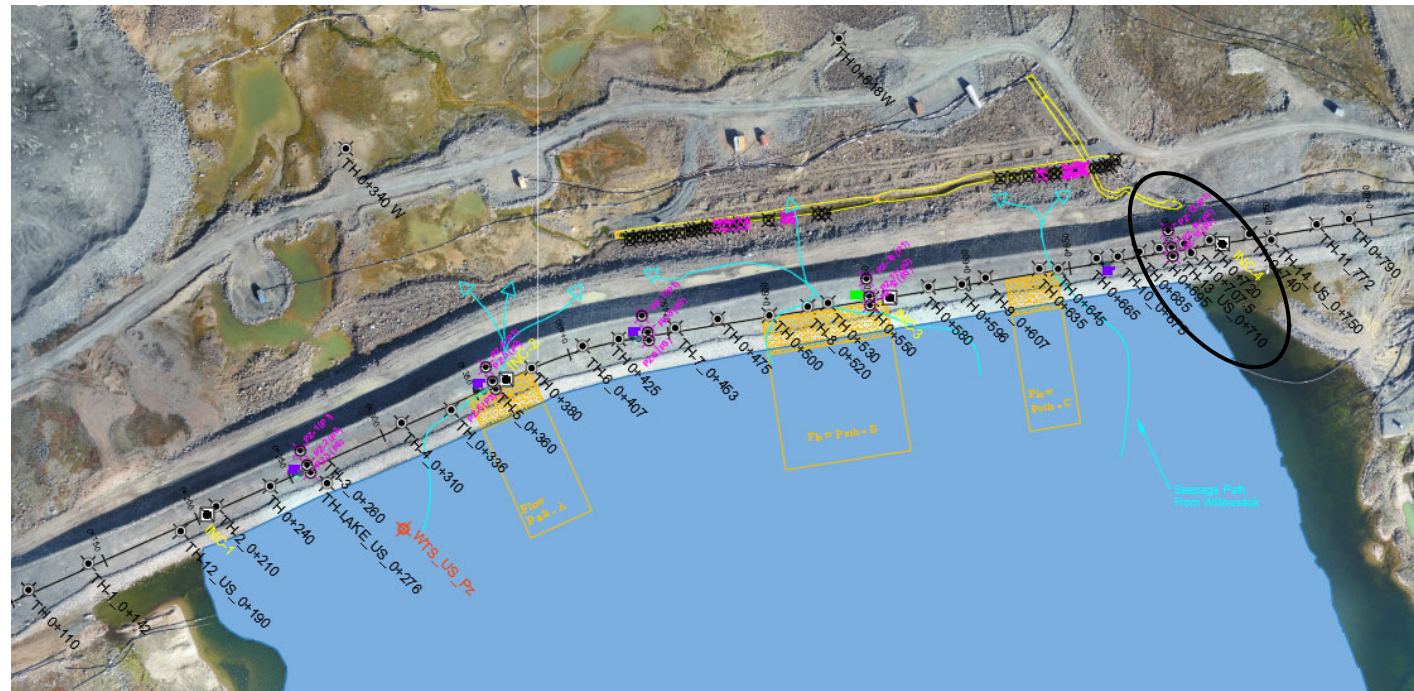
WTD-TH 0+695



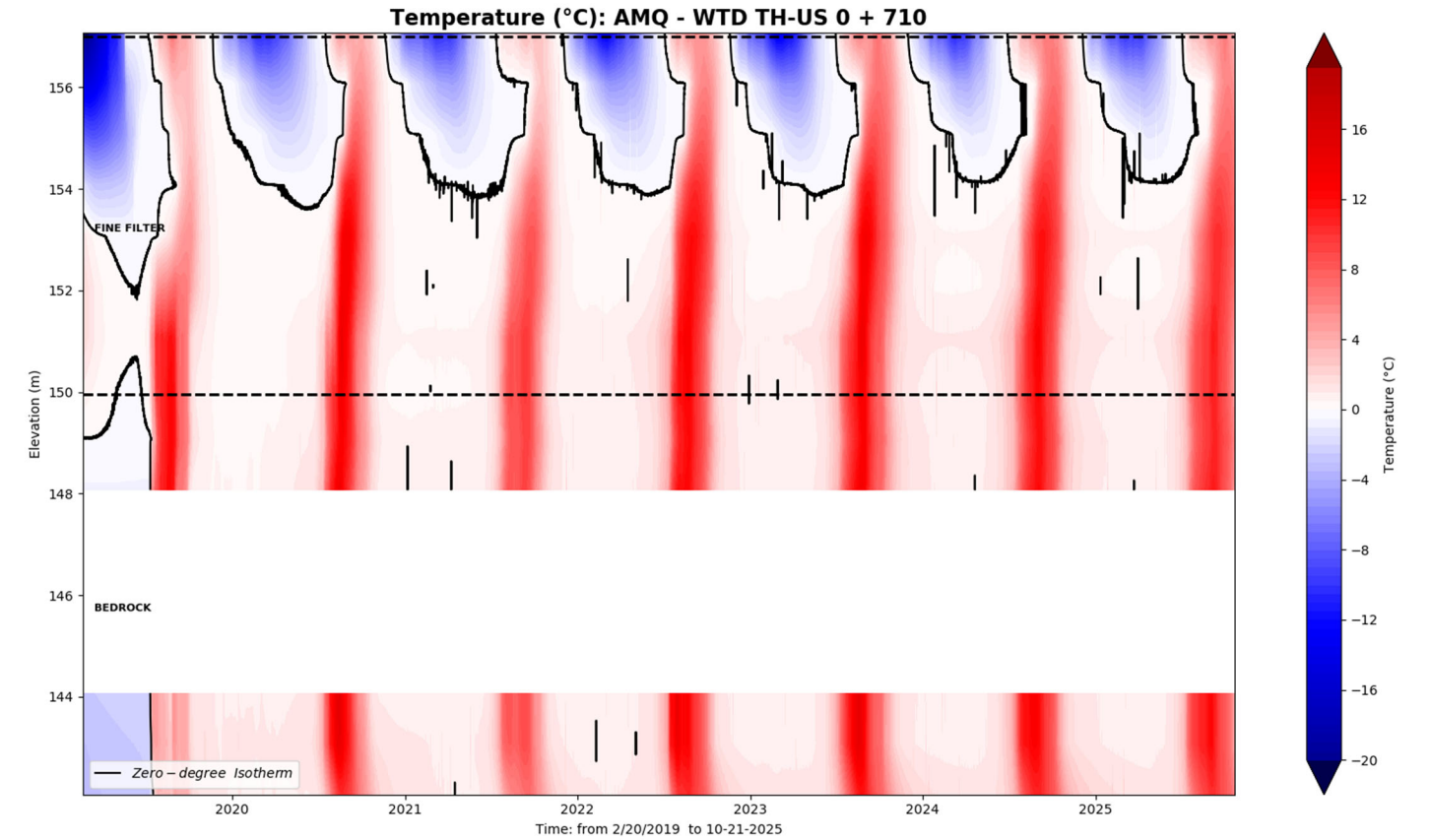
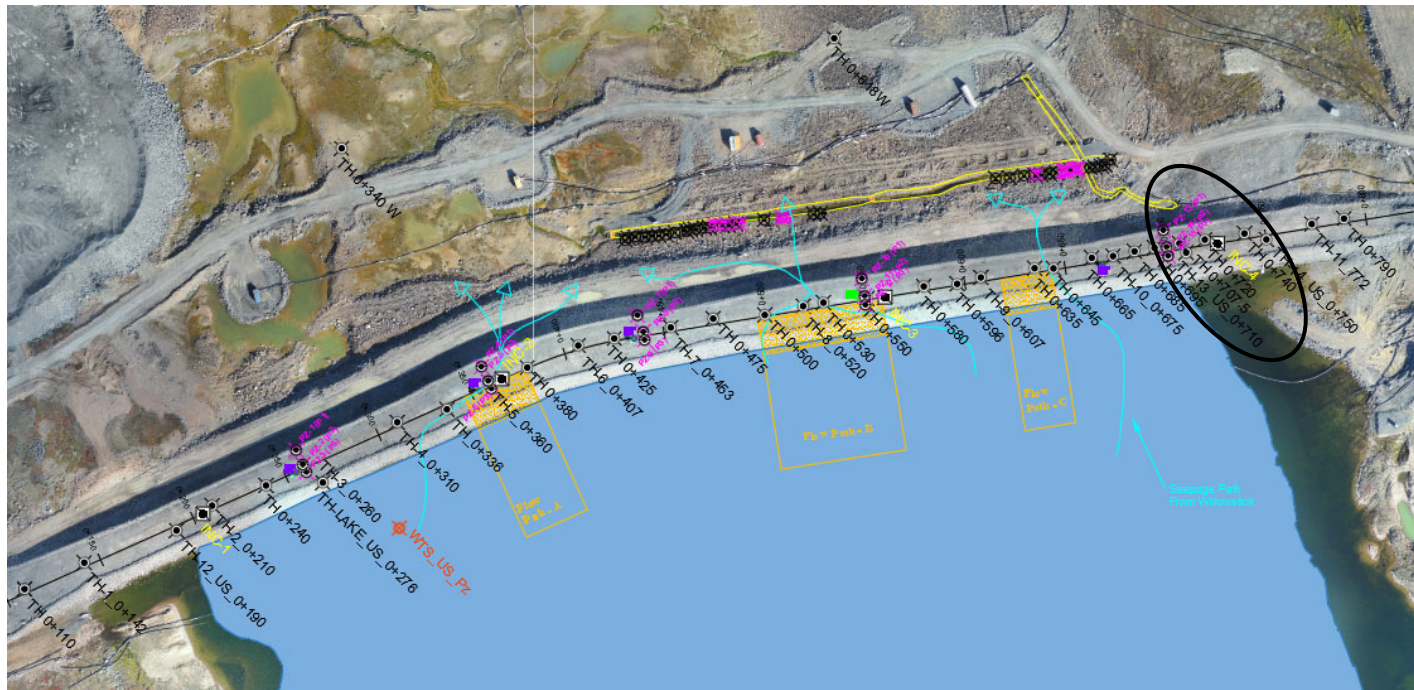
AMQ - WTD TH: 0+695_T



WTD-TH 0+707

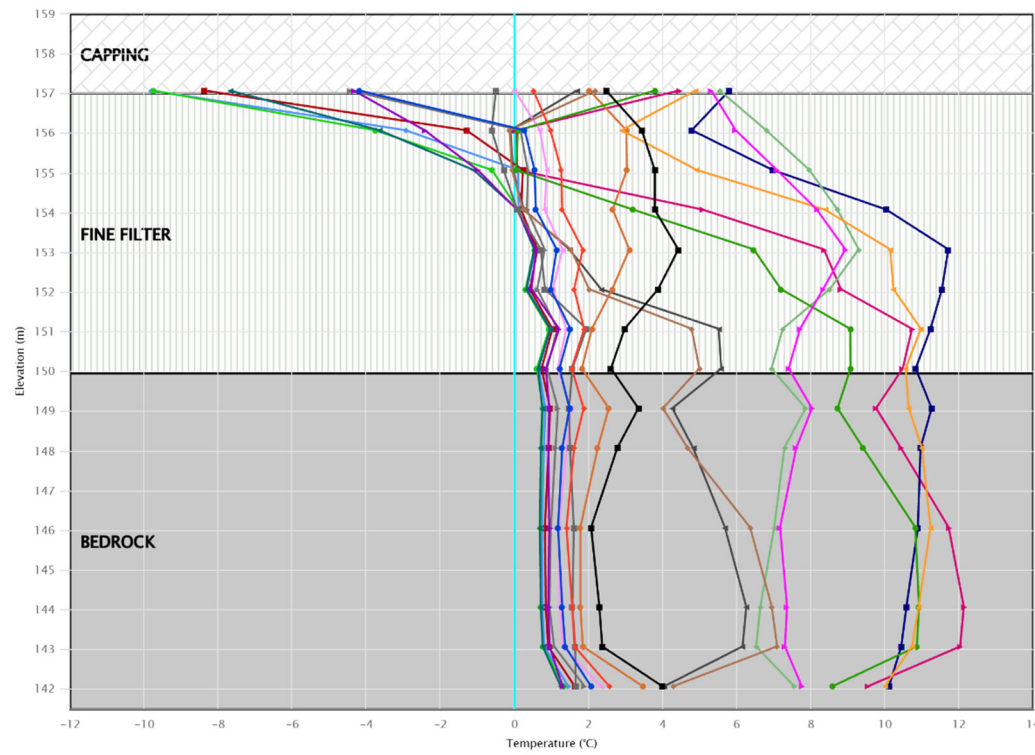


WTD-TH 0+710 U/S



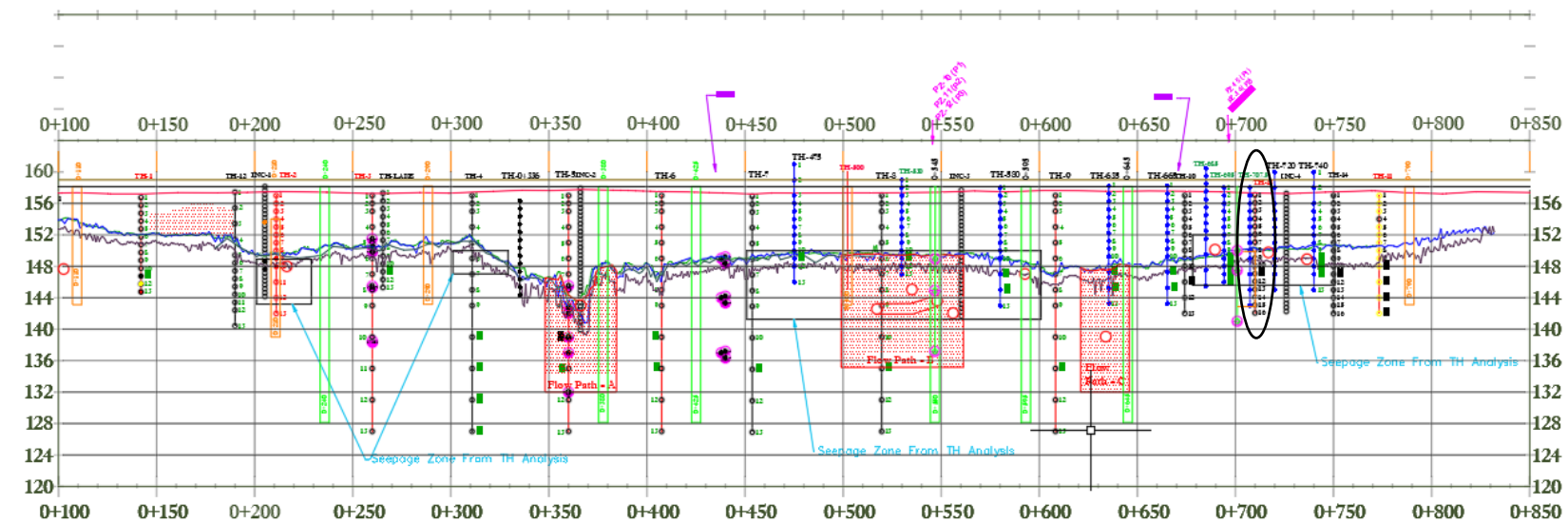
AMQ - WTD TH_US: 0+710

Bead #11 and #13 removed.

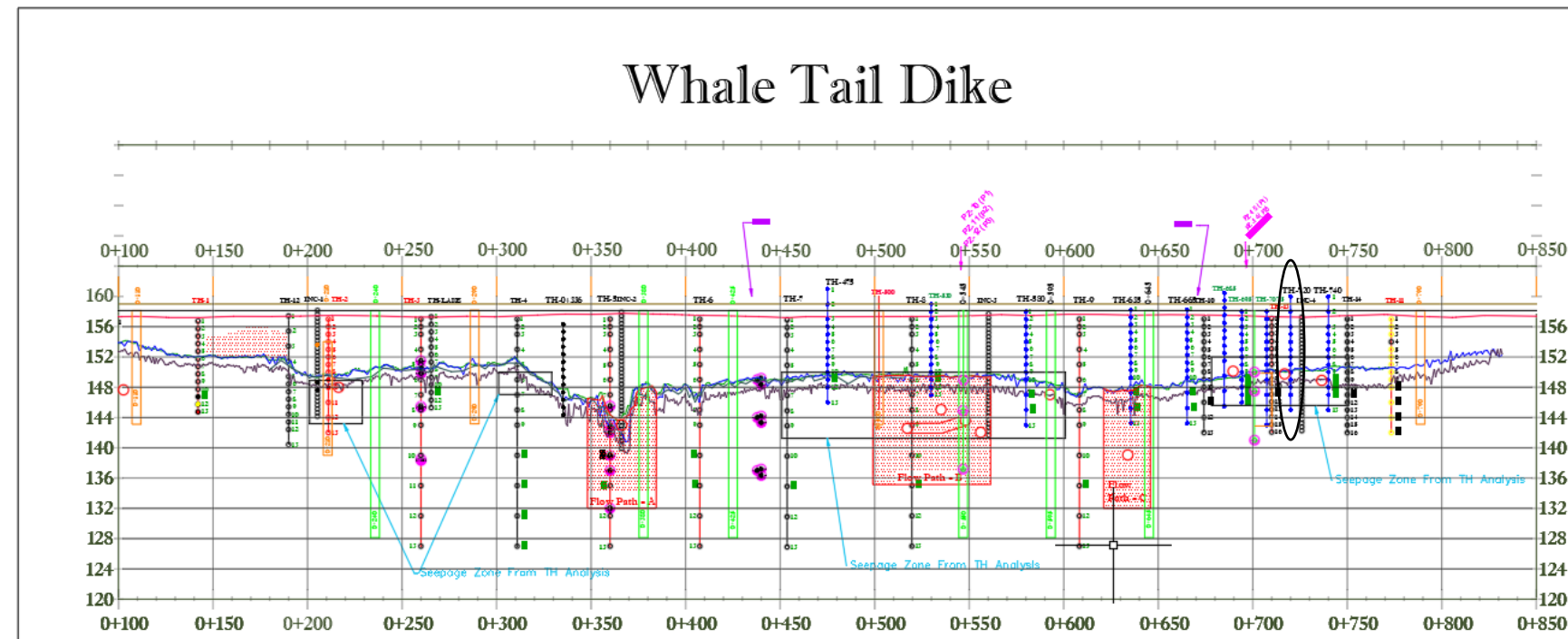
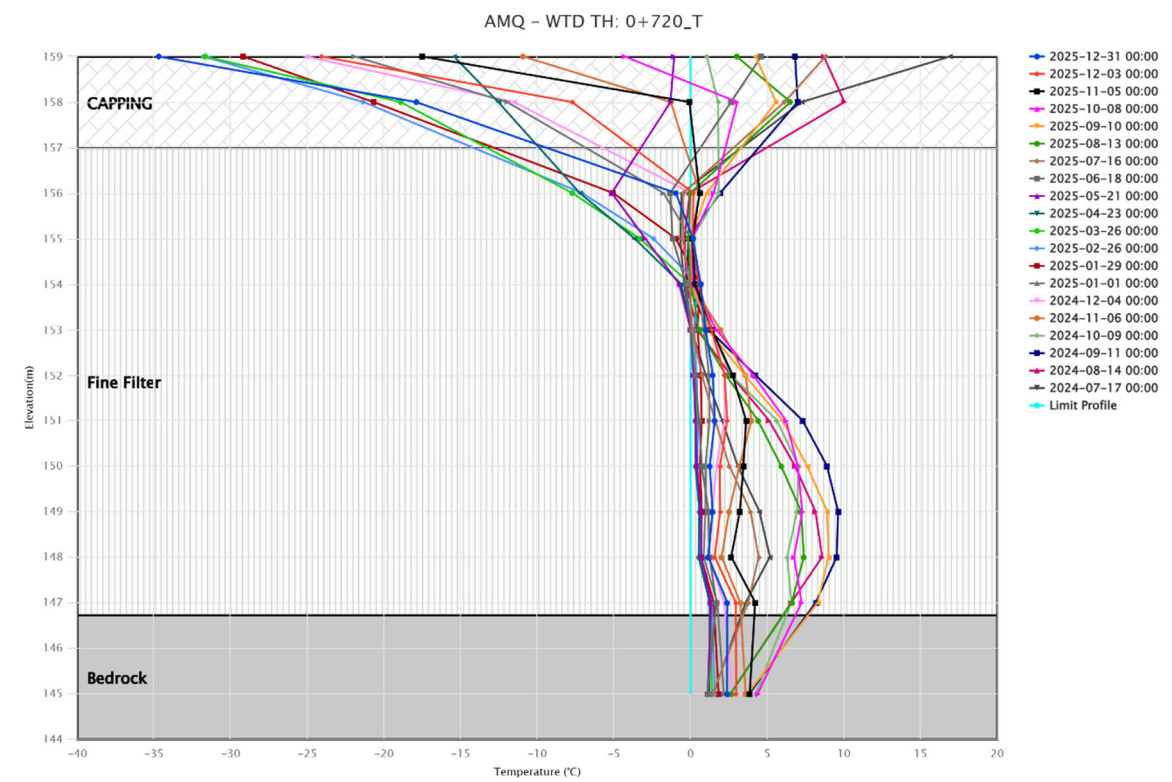
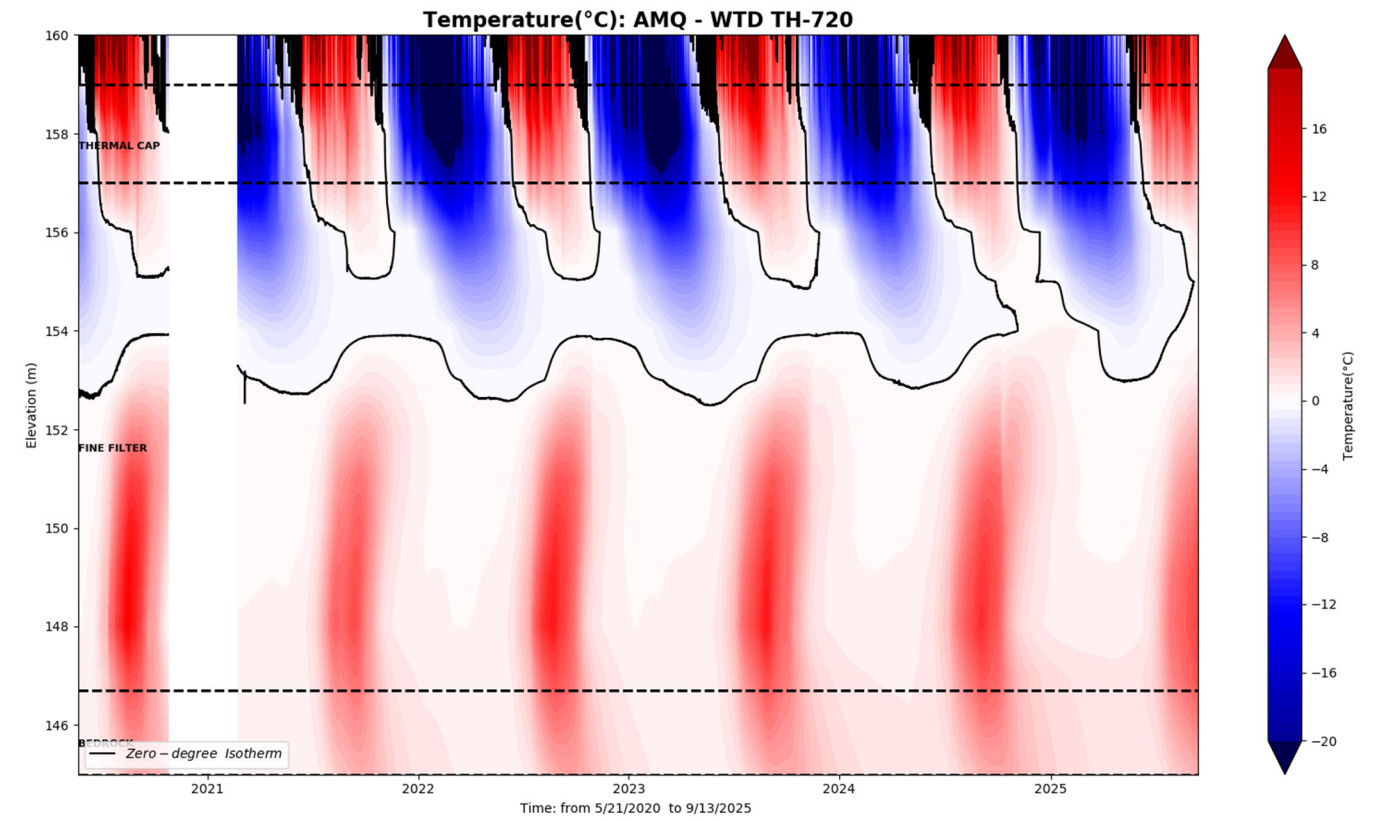
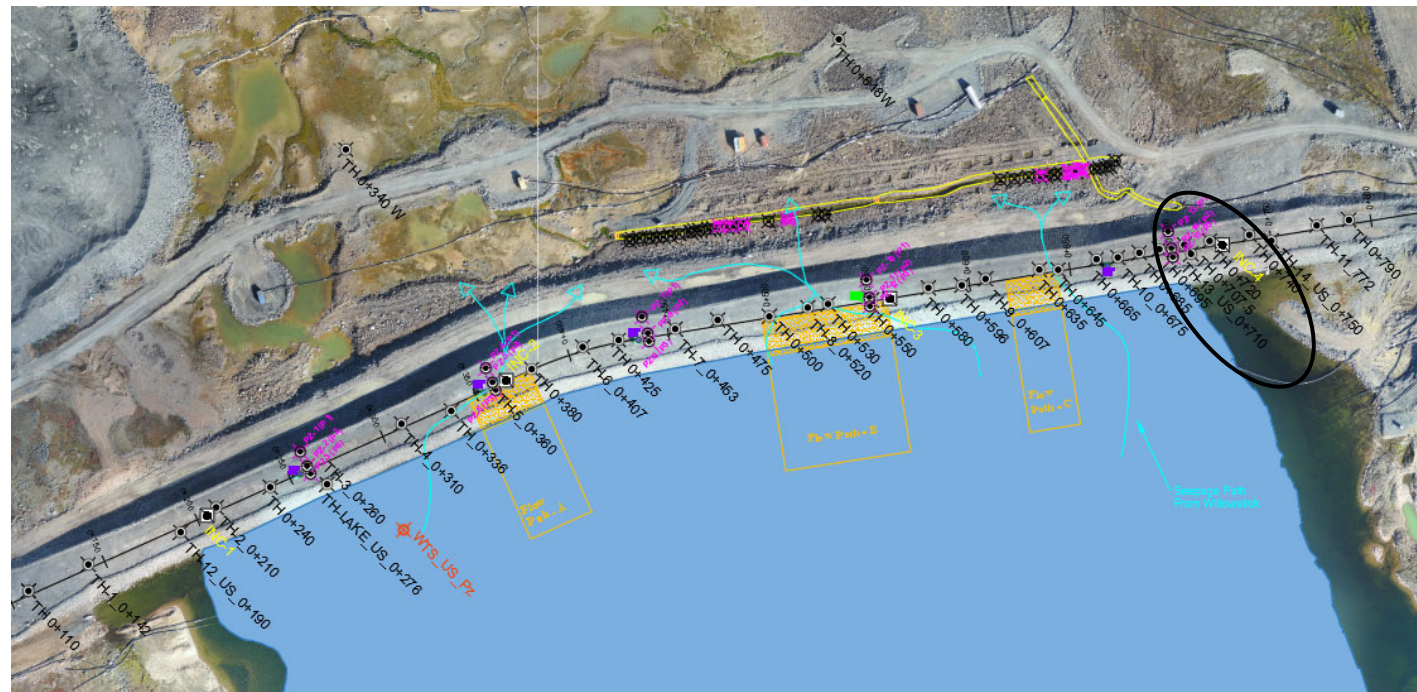


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- 2025-12-03 00:00
- 2025-11-05 00:00
- 2025-10-08 00:00
- 2025-09-10 00:00
- 2025-08-13 00:00
- 2025-07-16 00:00
- 2025-06-18 00:00
- 2025-05-21 00:00
- 2025-04-23 00:00
- 2025-03-26 00:00
- 2025-02-26 00:00
- 2025-01-29 00:00
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- 2024-08-14 00:00
- 2024-07-17 00:00
- Limit Profile

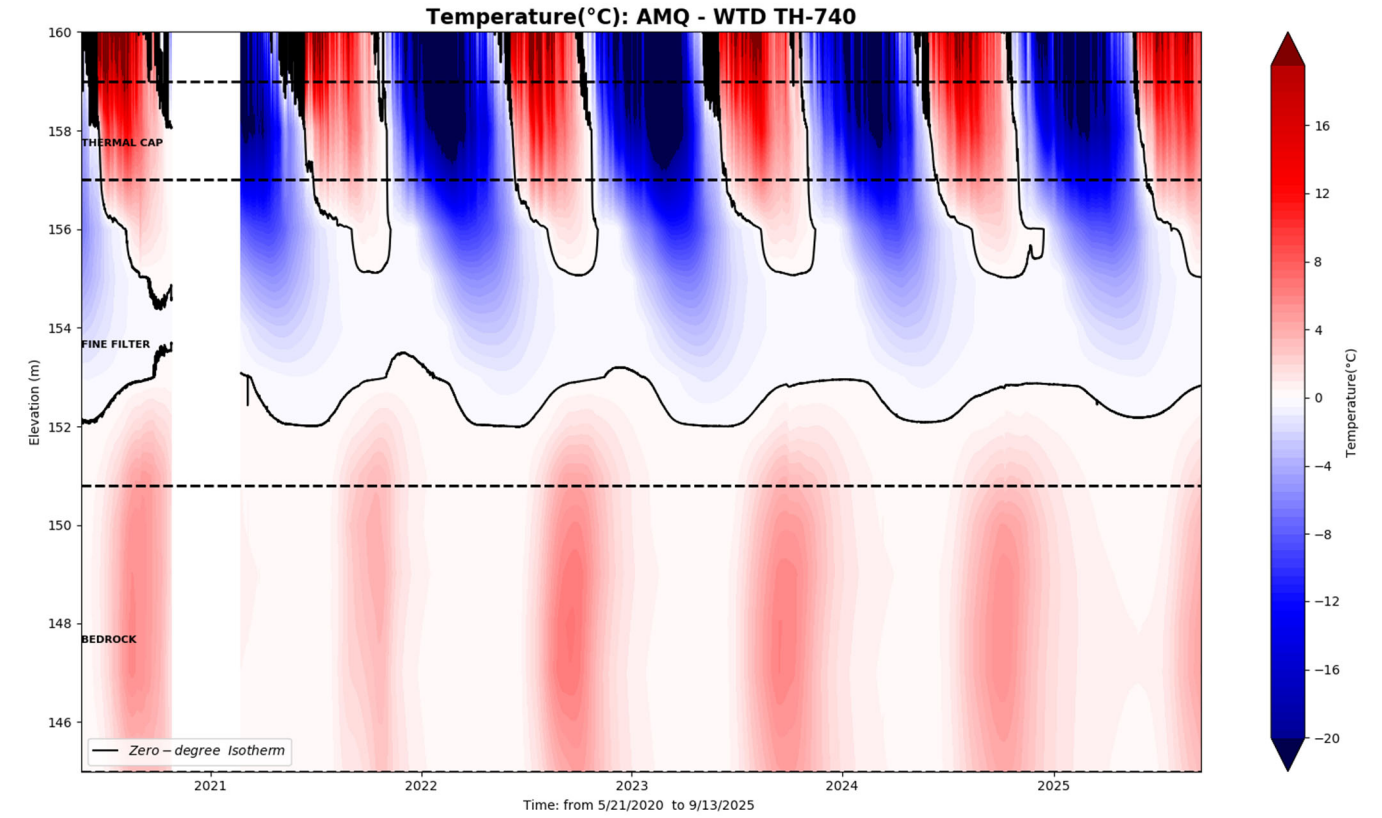
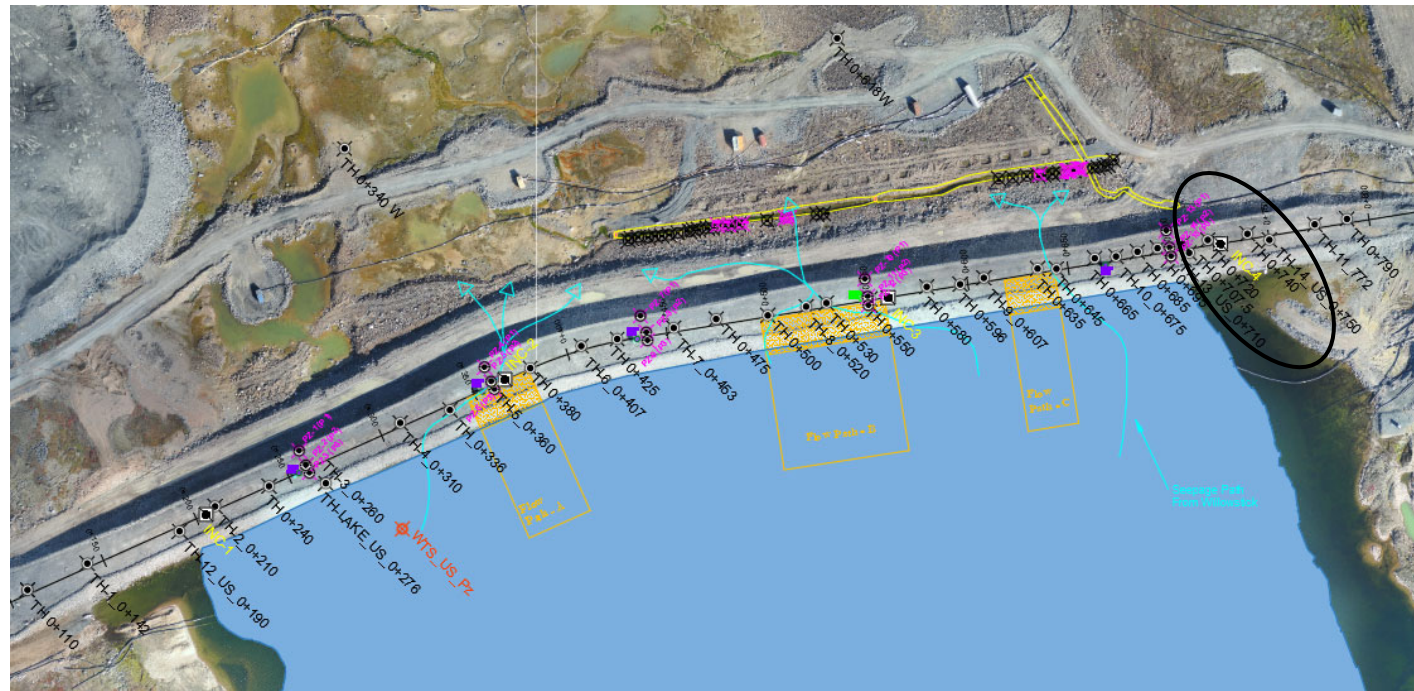
Whale Tail Dike



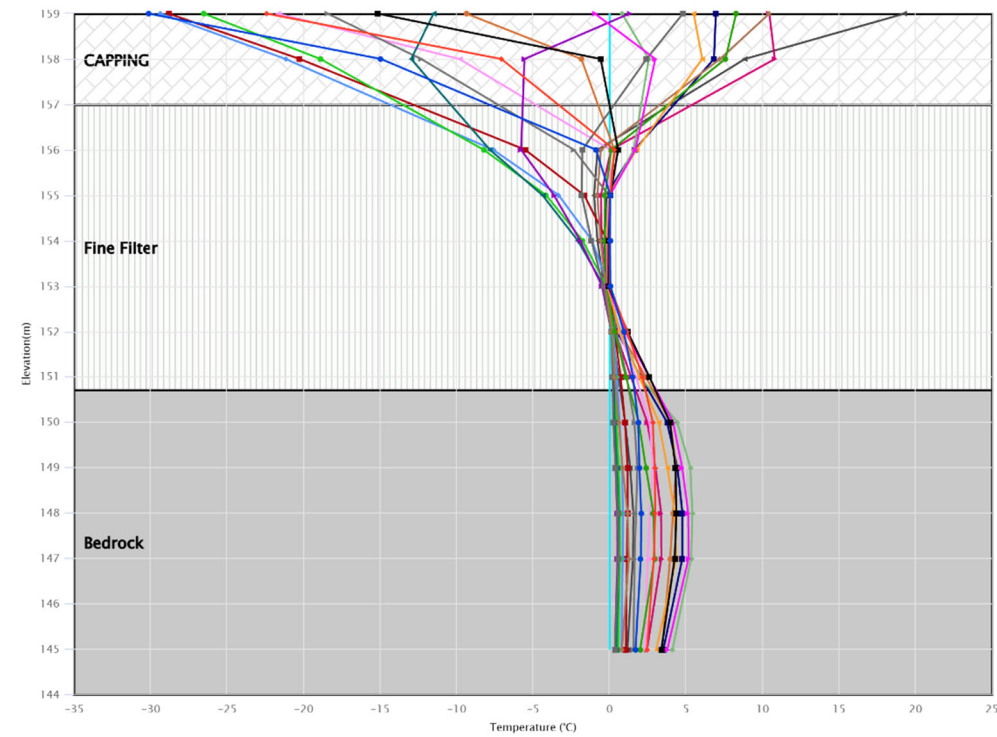
WTD-TH 0+720



WTD-TH 0+740

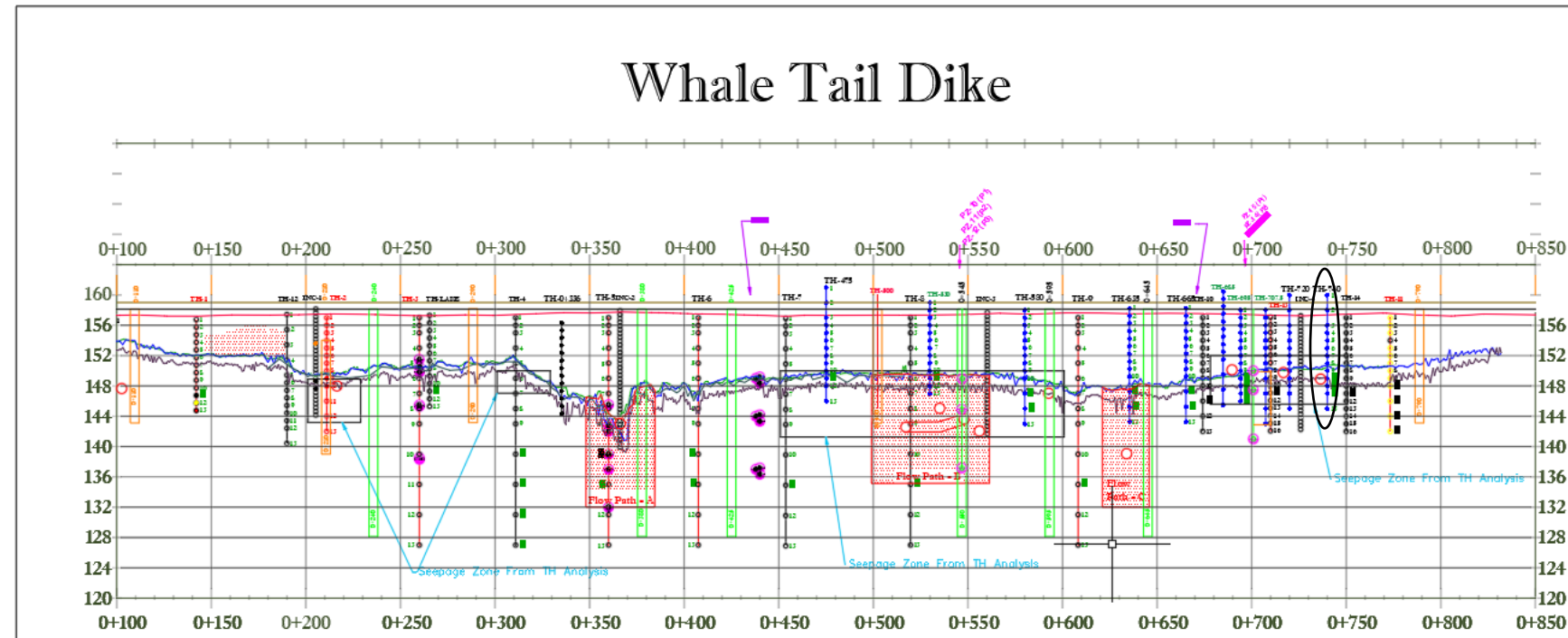


AMQ - WTD TH: 0+740_T

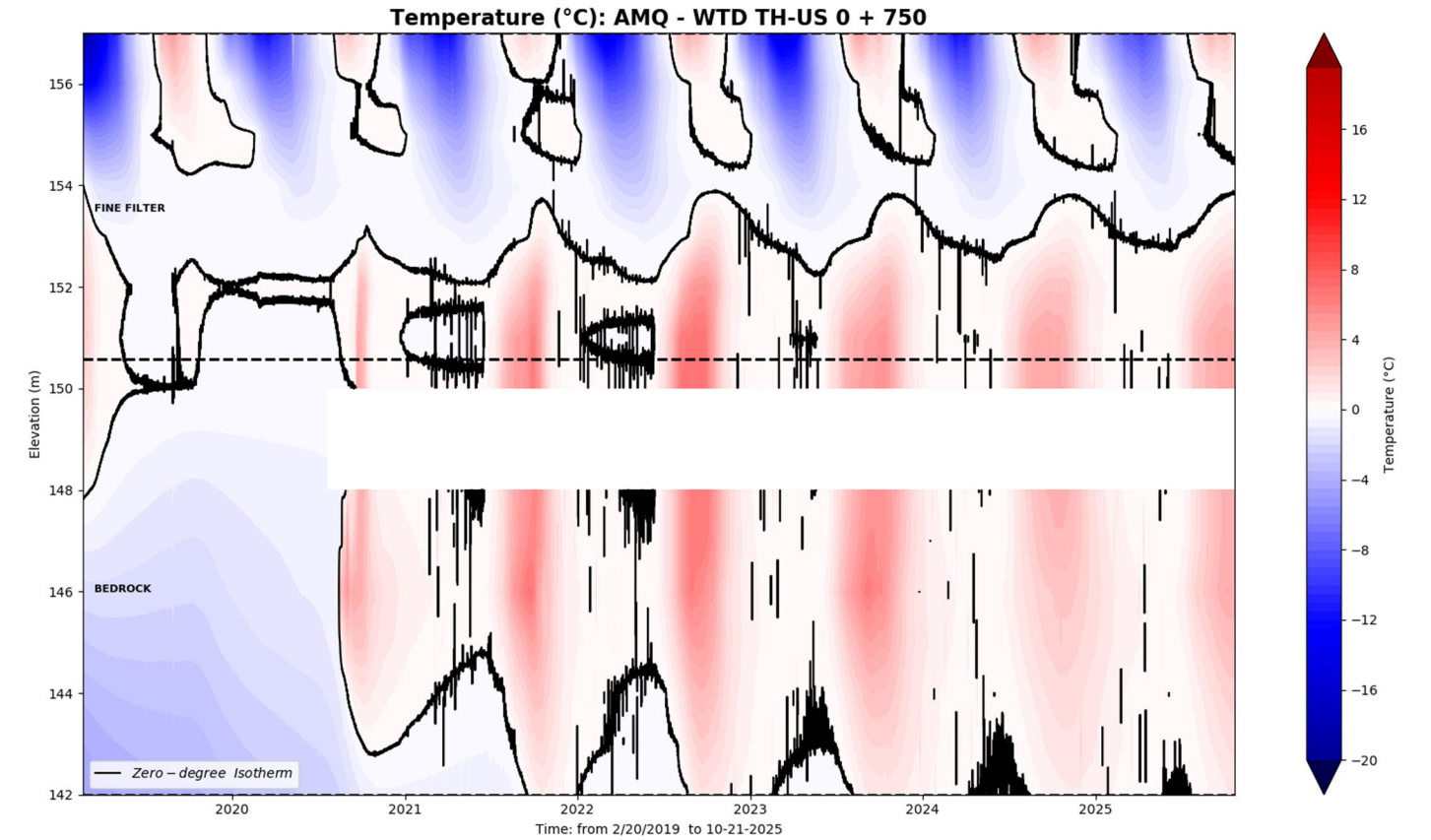
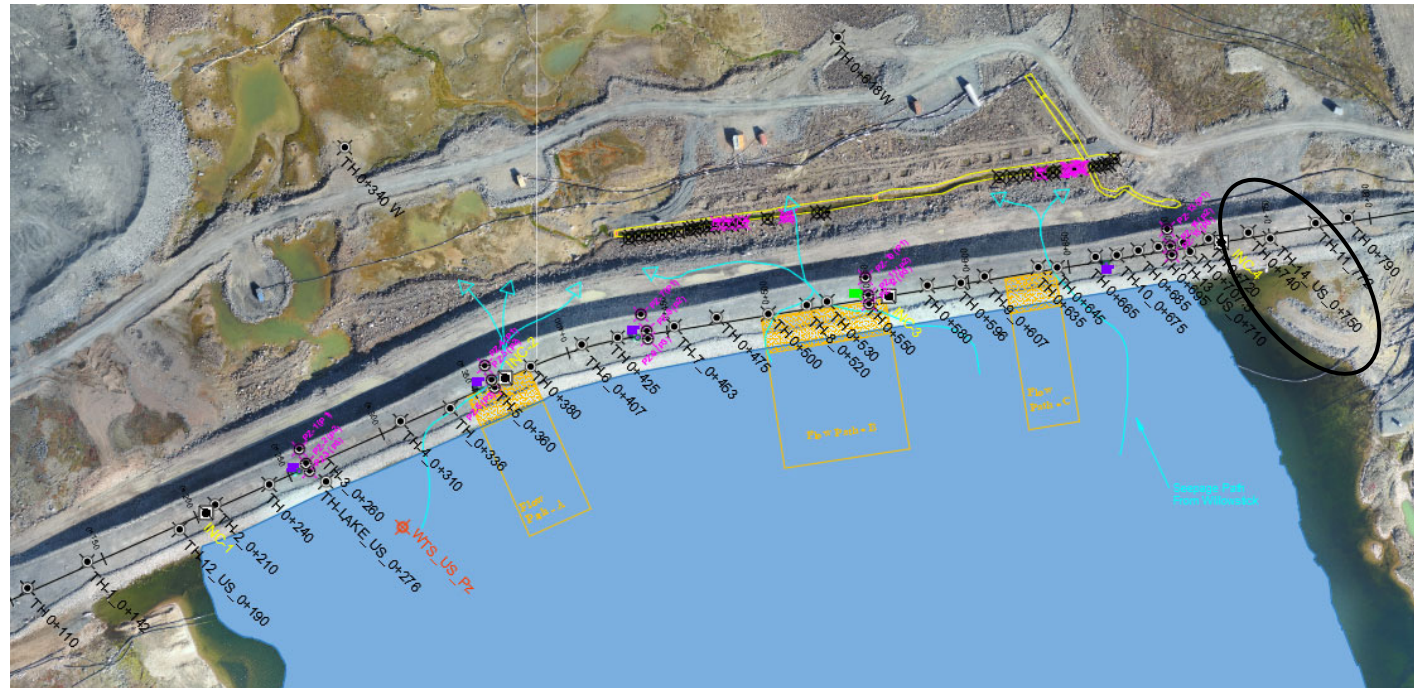


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- 2025-09-10 00:00
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- 2024-07-17 00:00
- Limit Profile

Whale Tail Dike

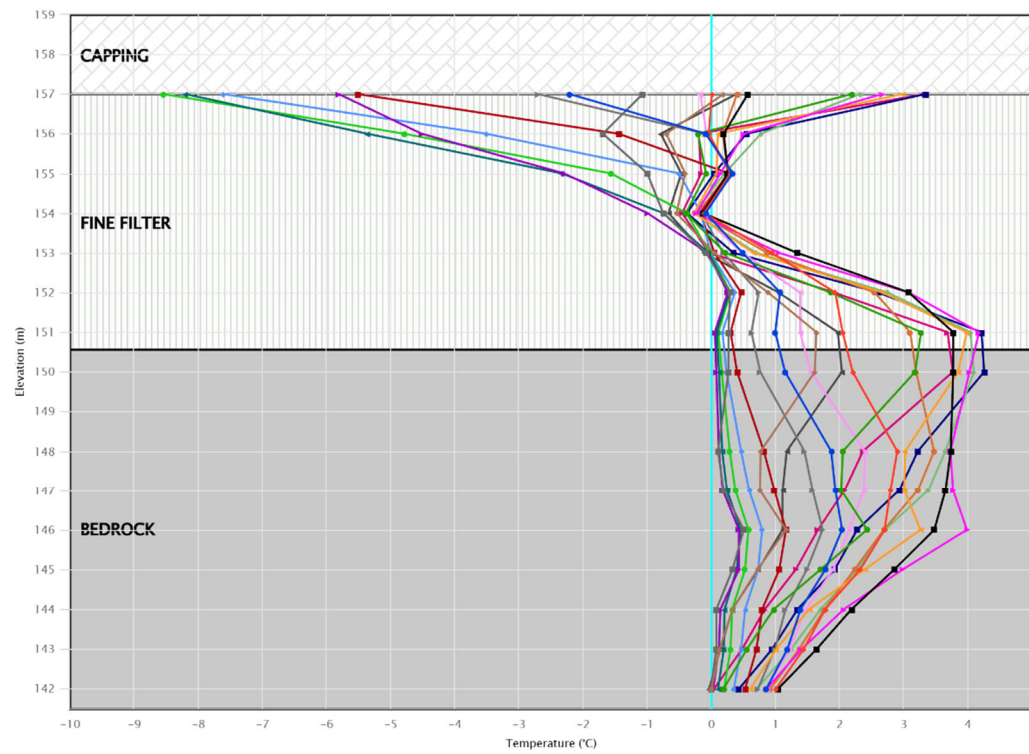


WTD-TH 0+750



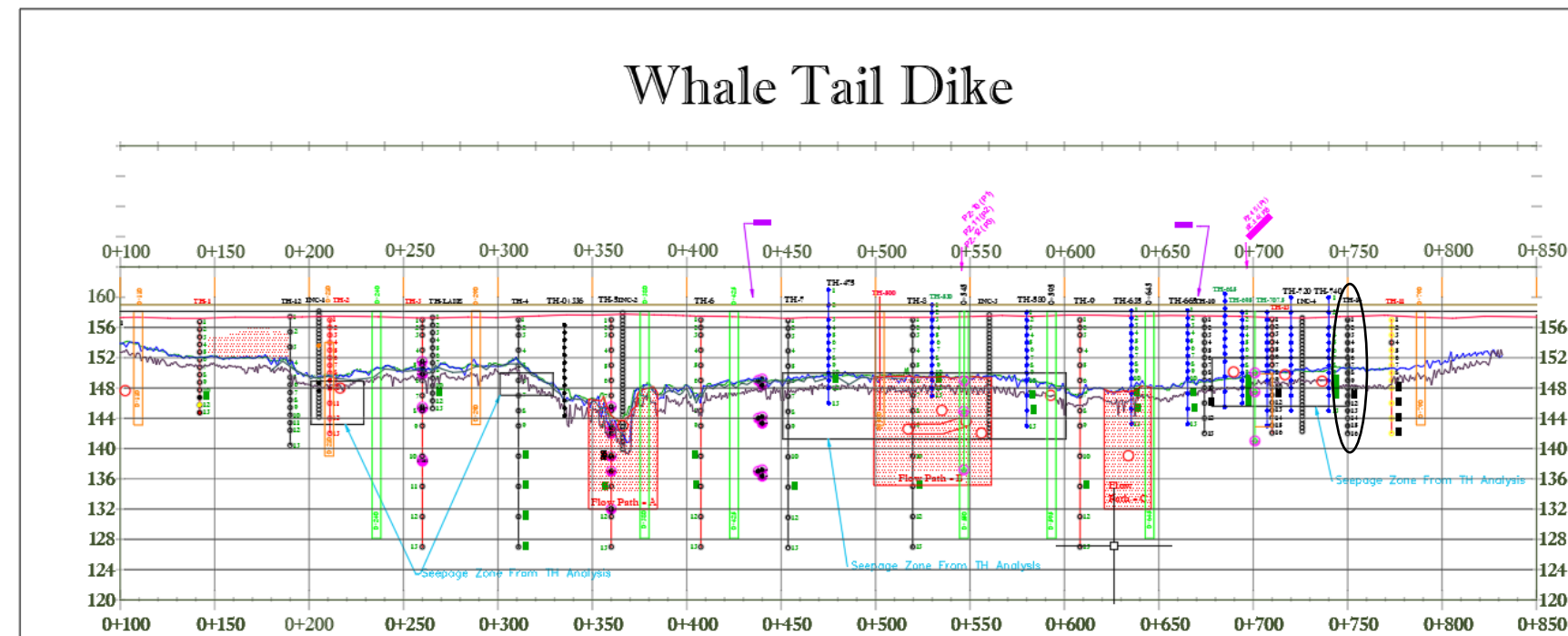
AMQ - WTD TH_US: 0+750

Bead #9 removed

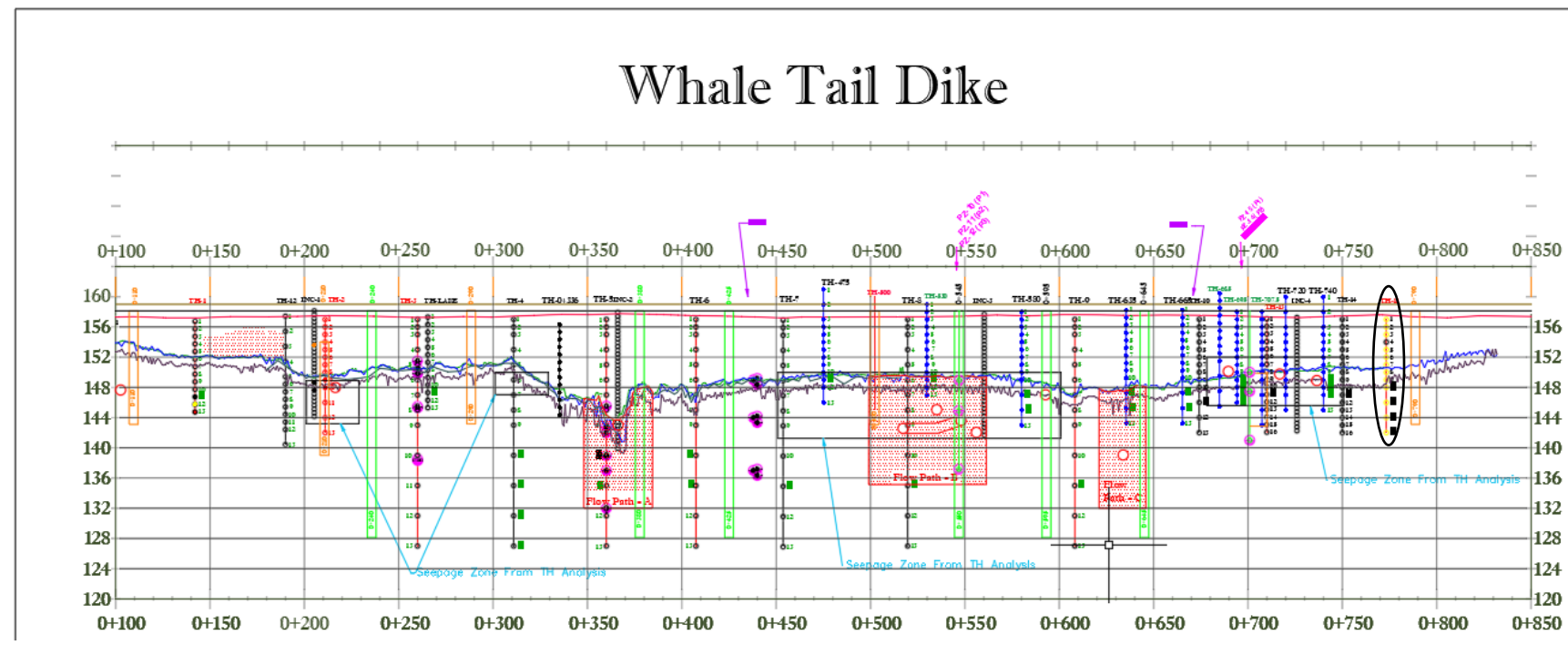
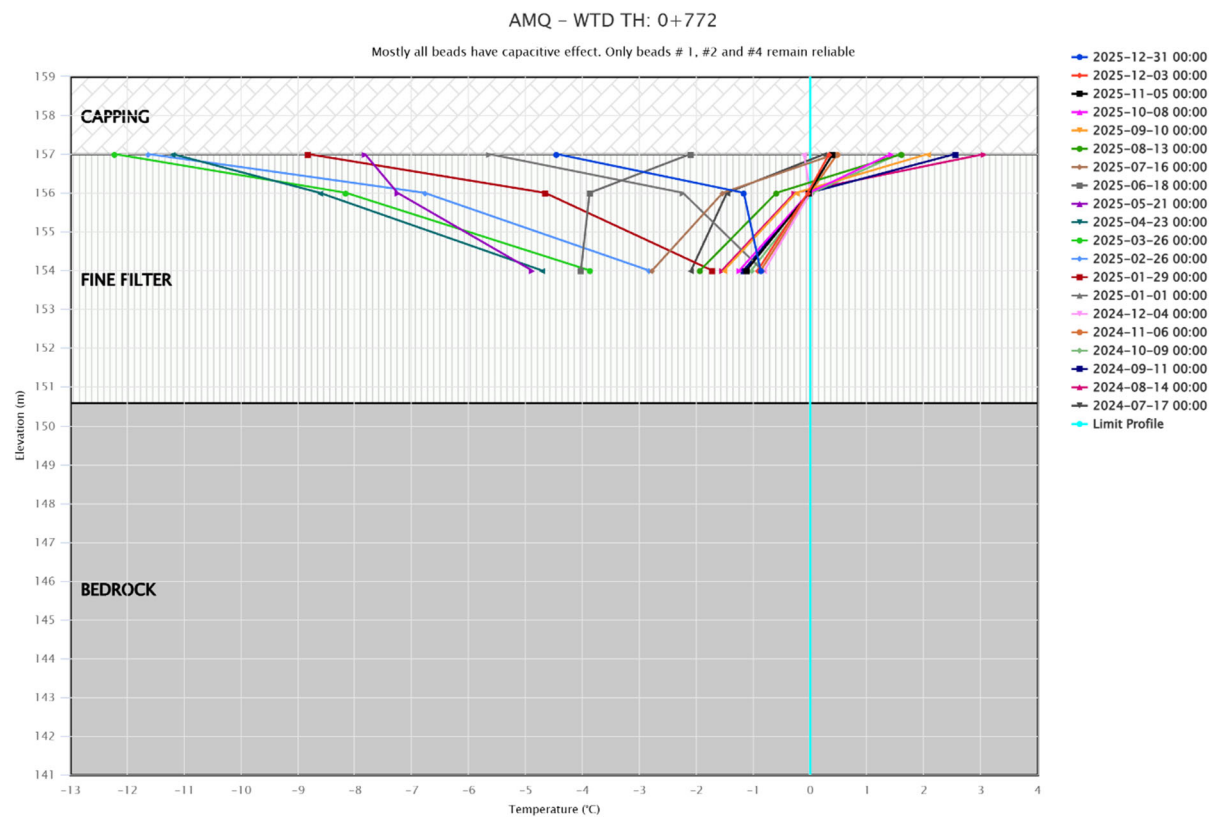
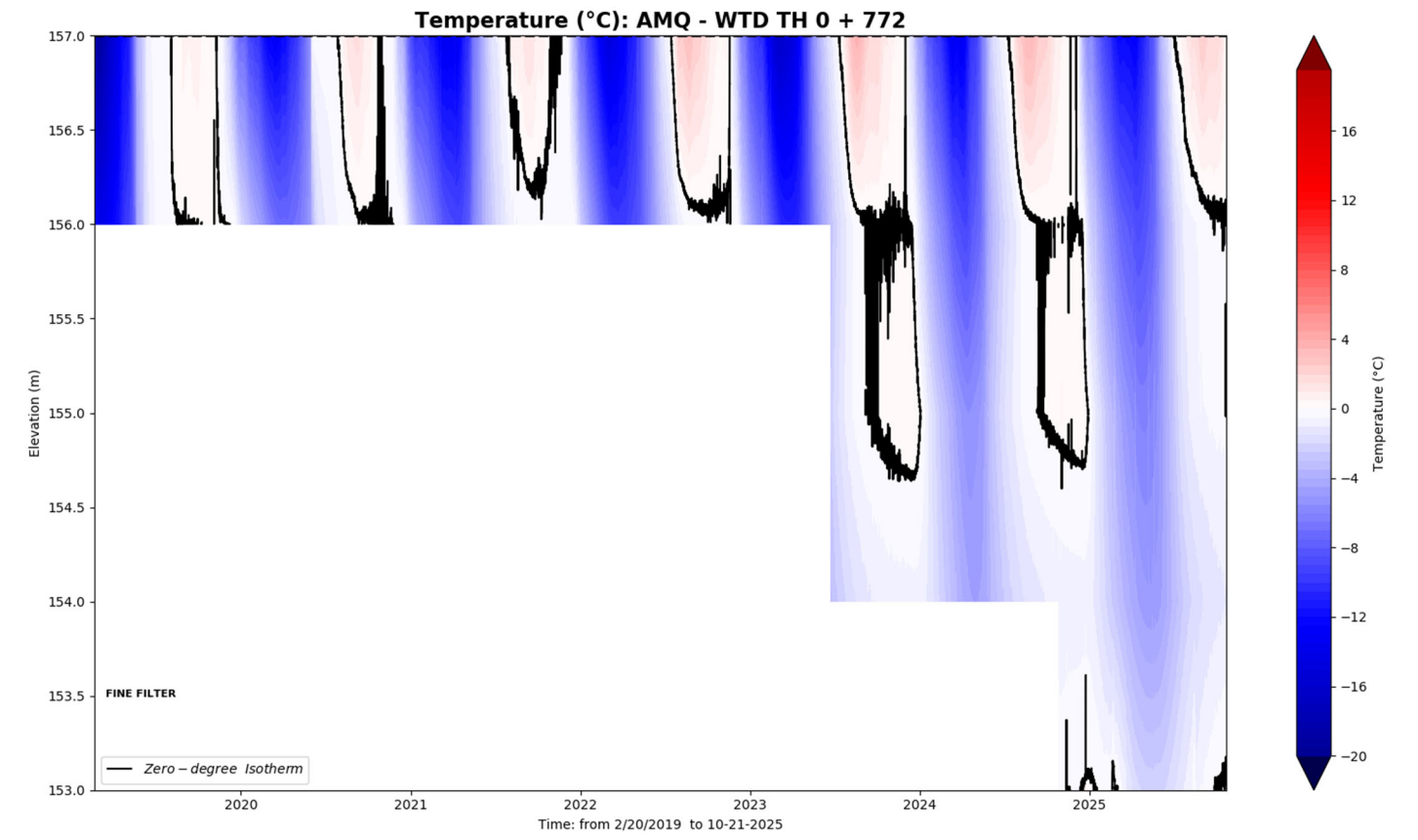
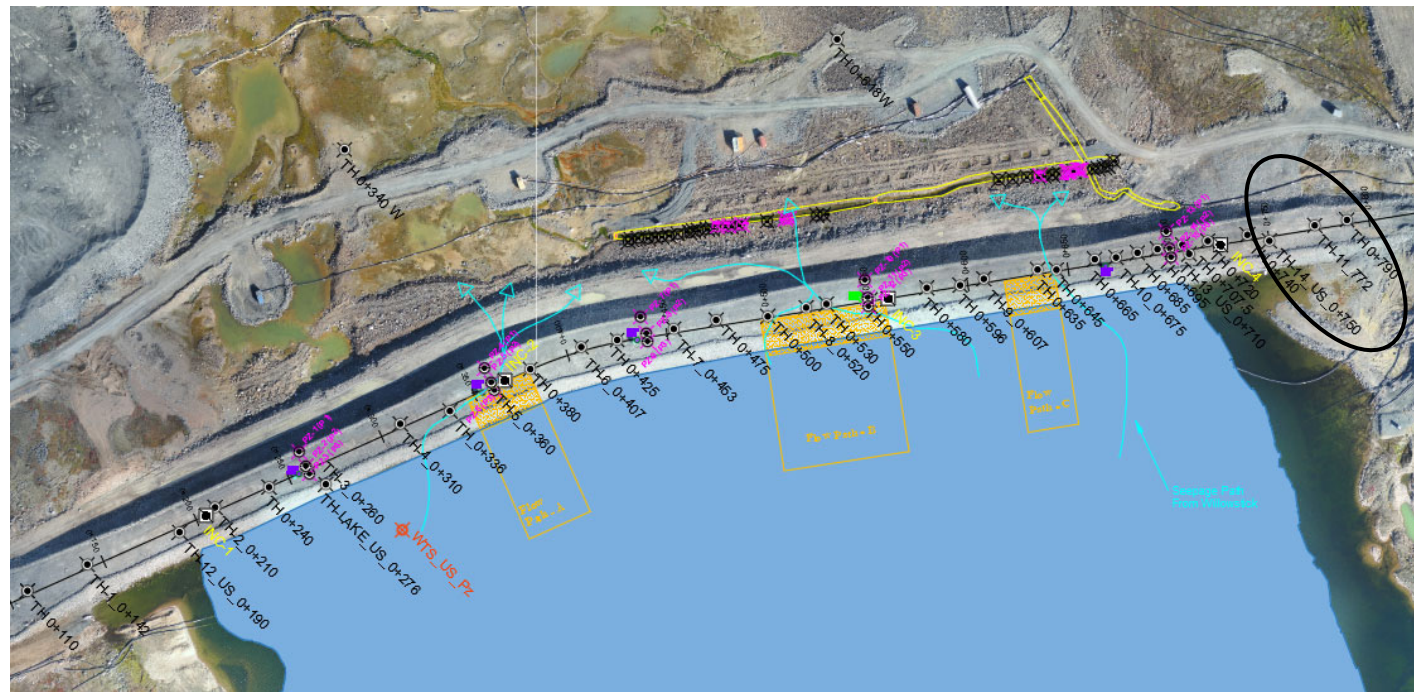


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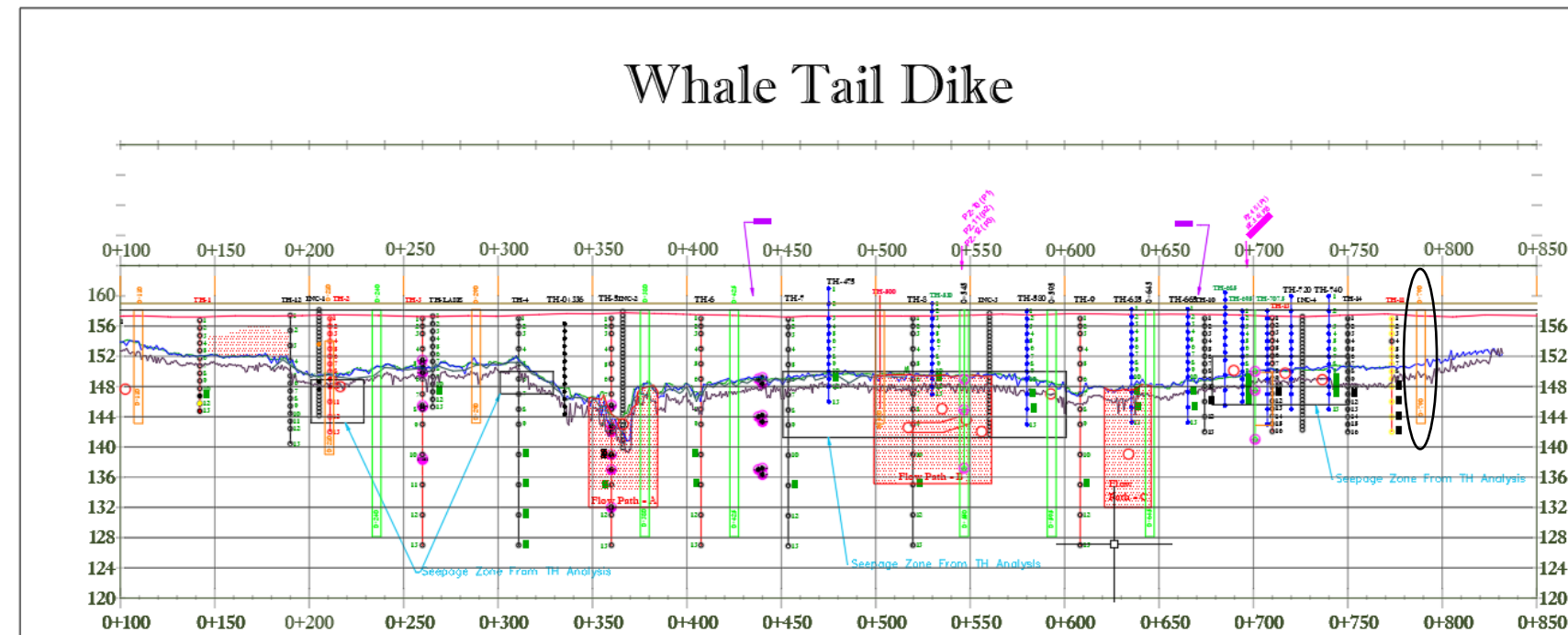
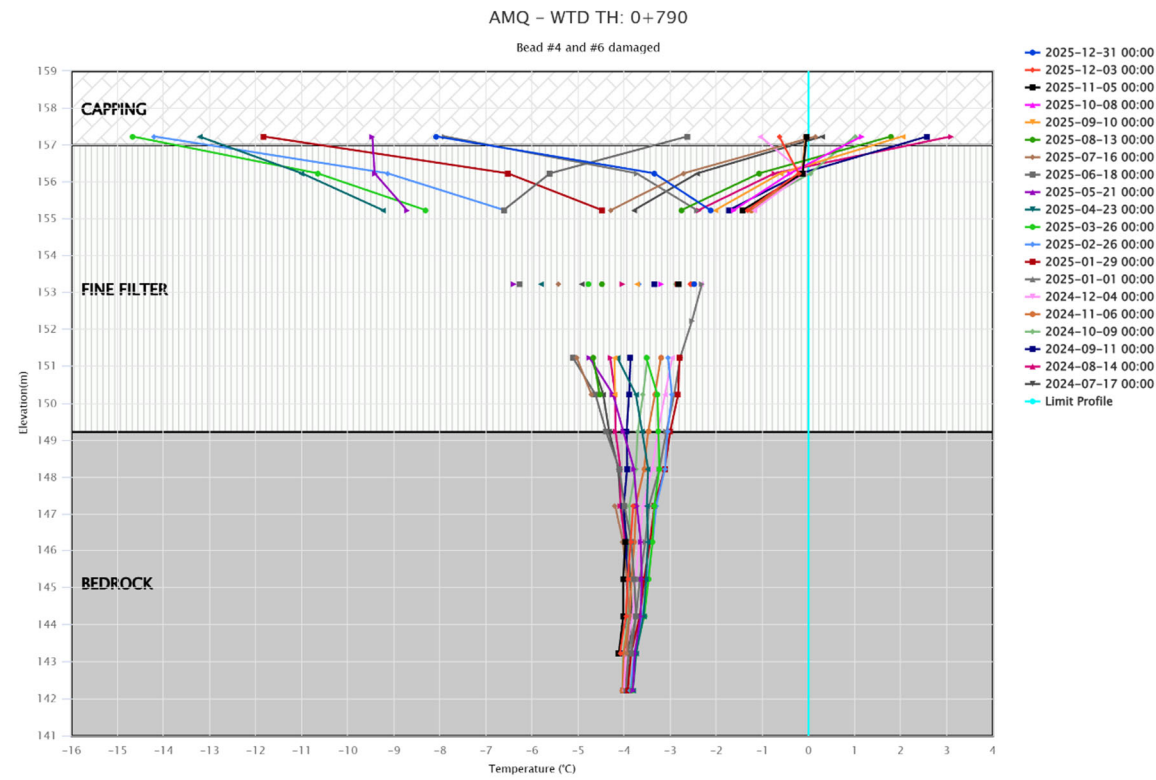
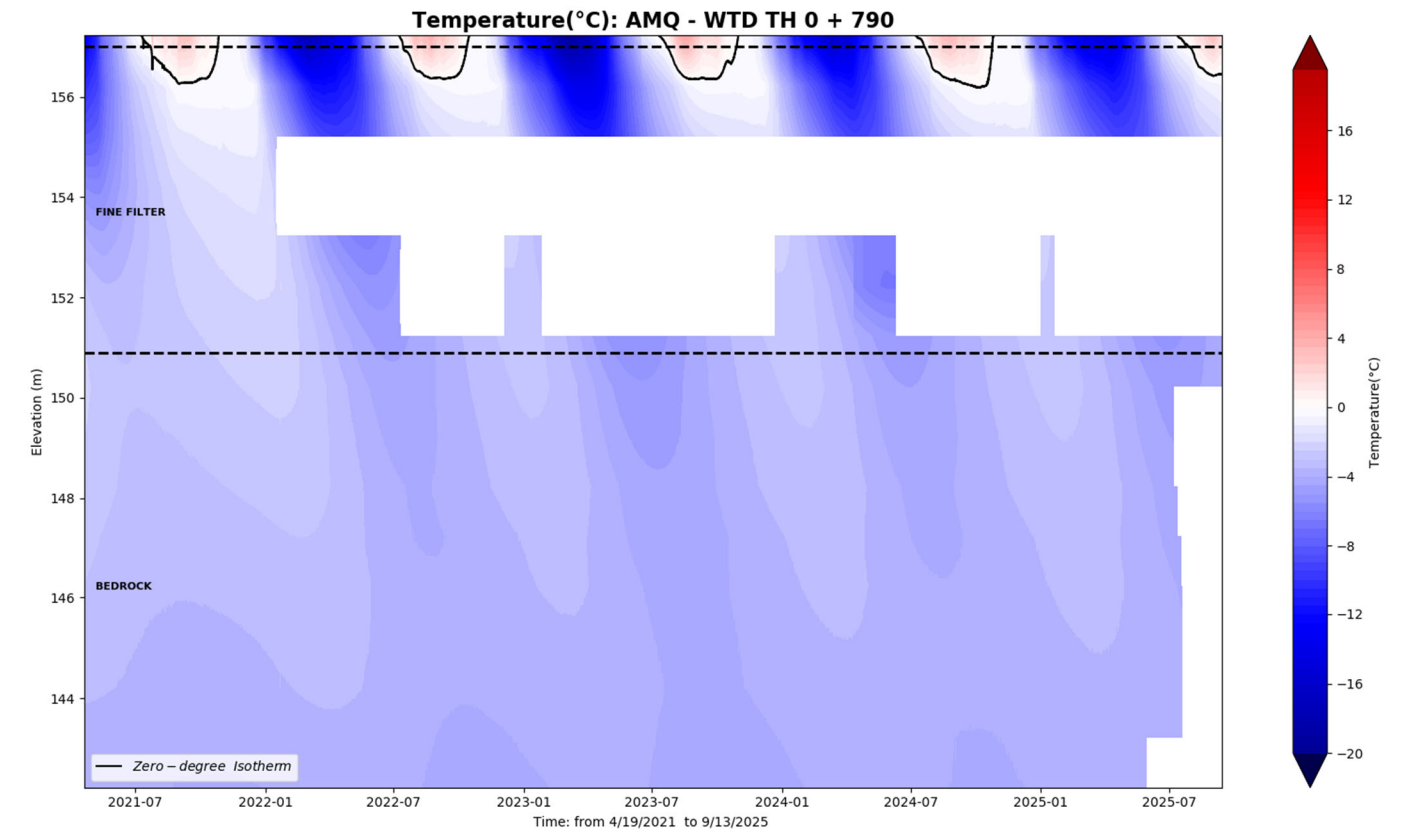
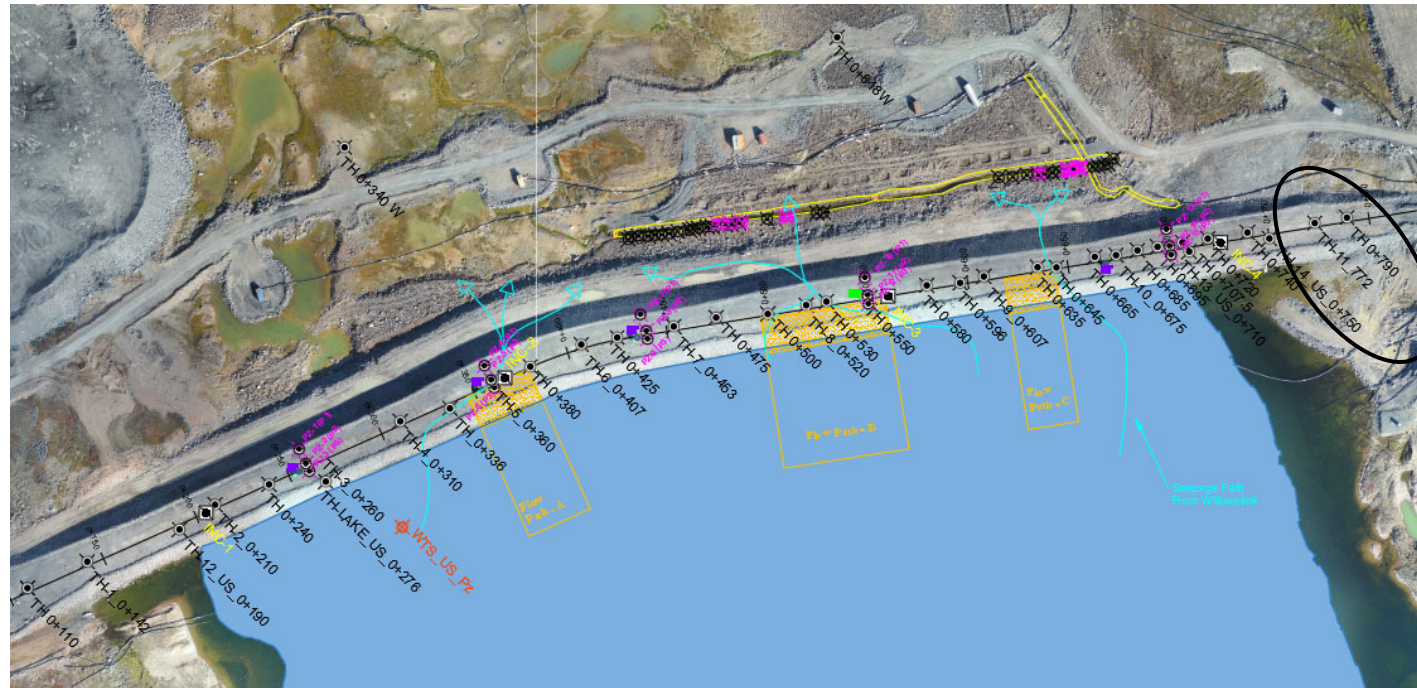
Whale Tail Dike



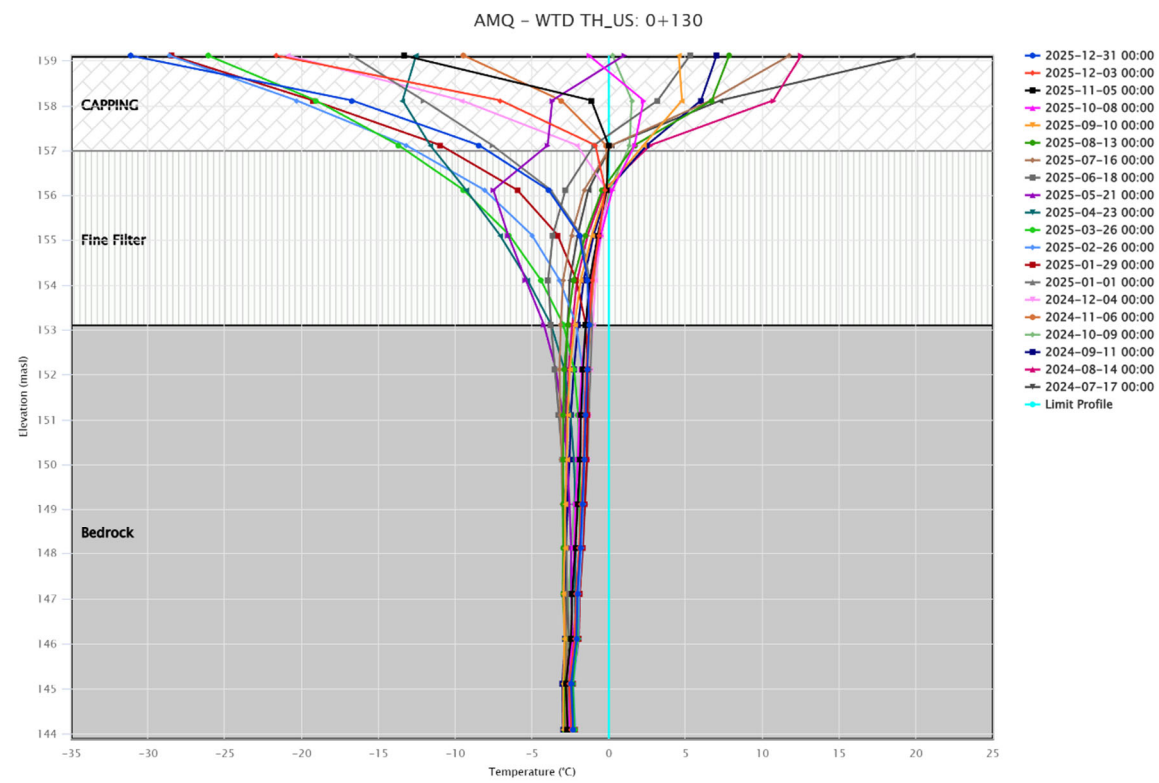
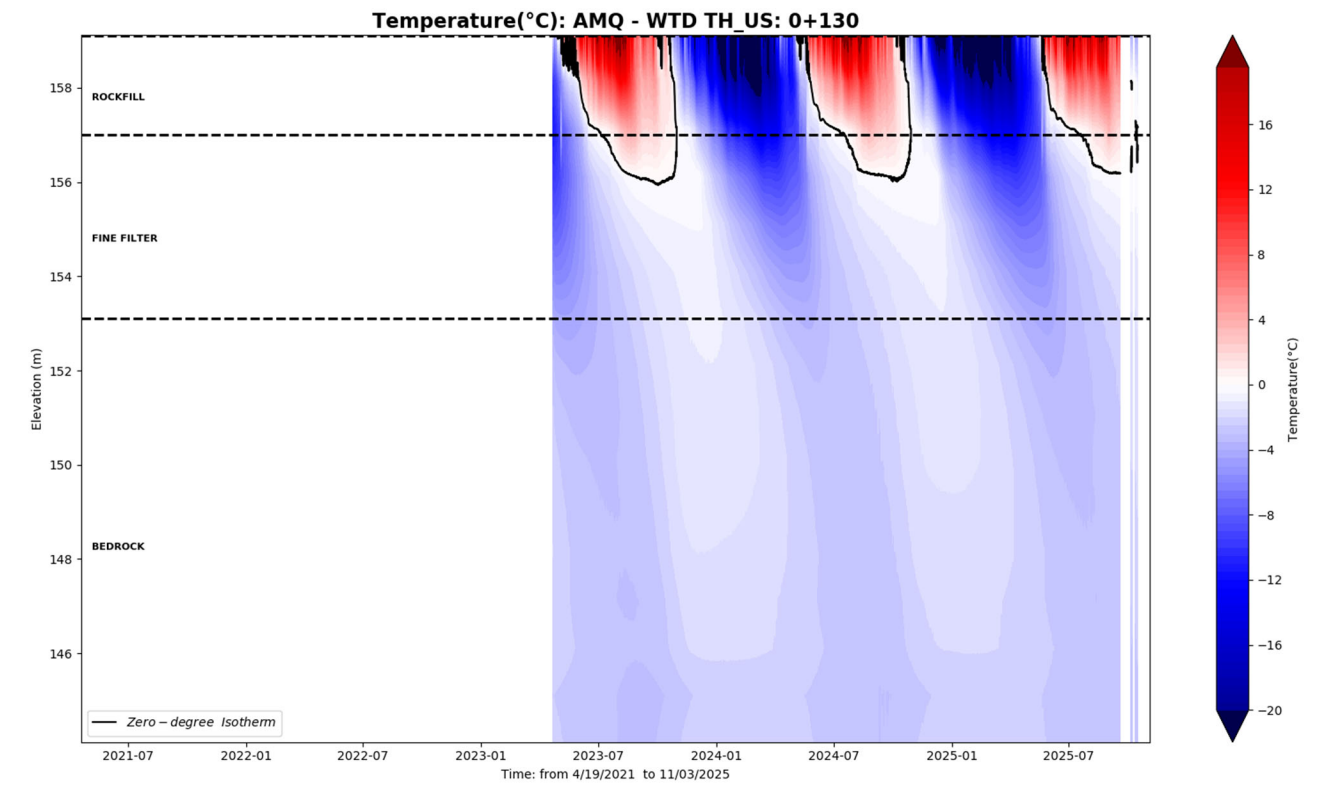
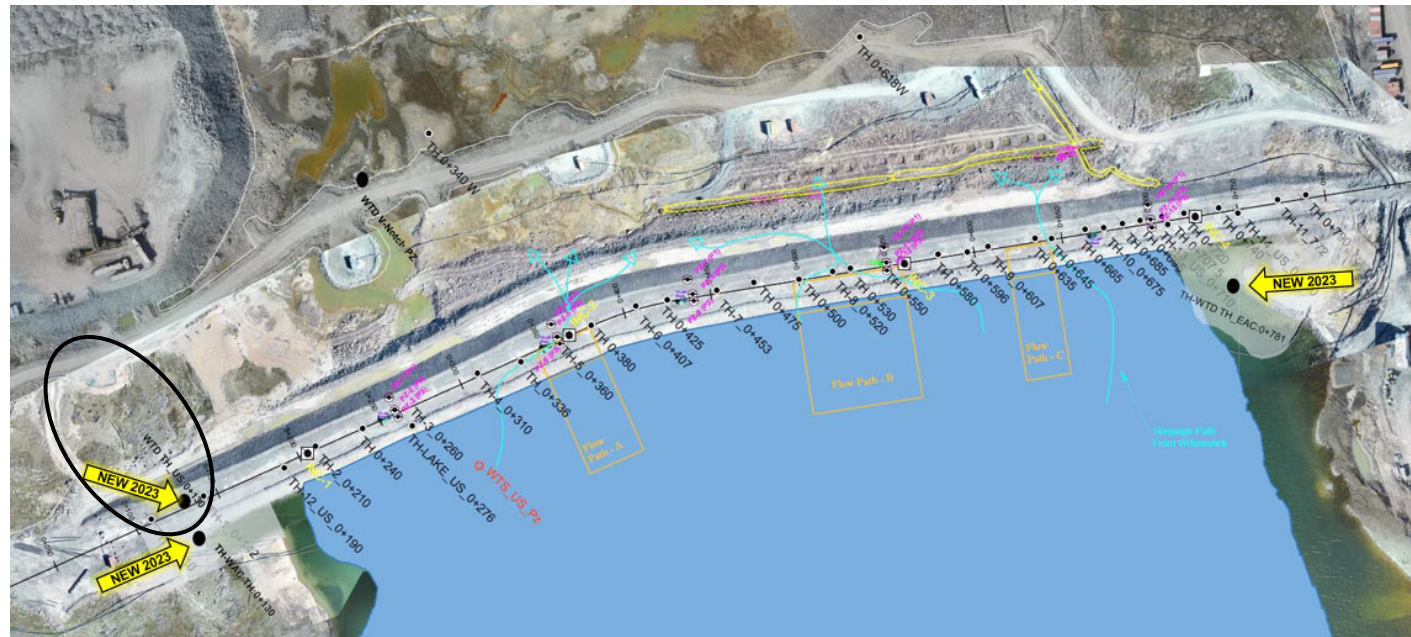
WTD-TH 0+772 U/S



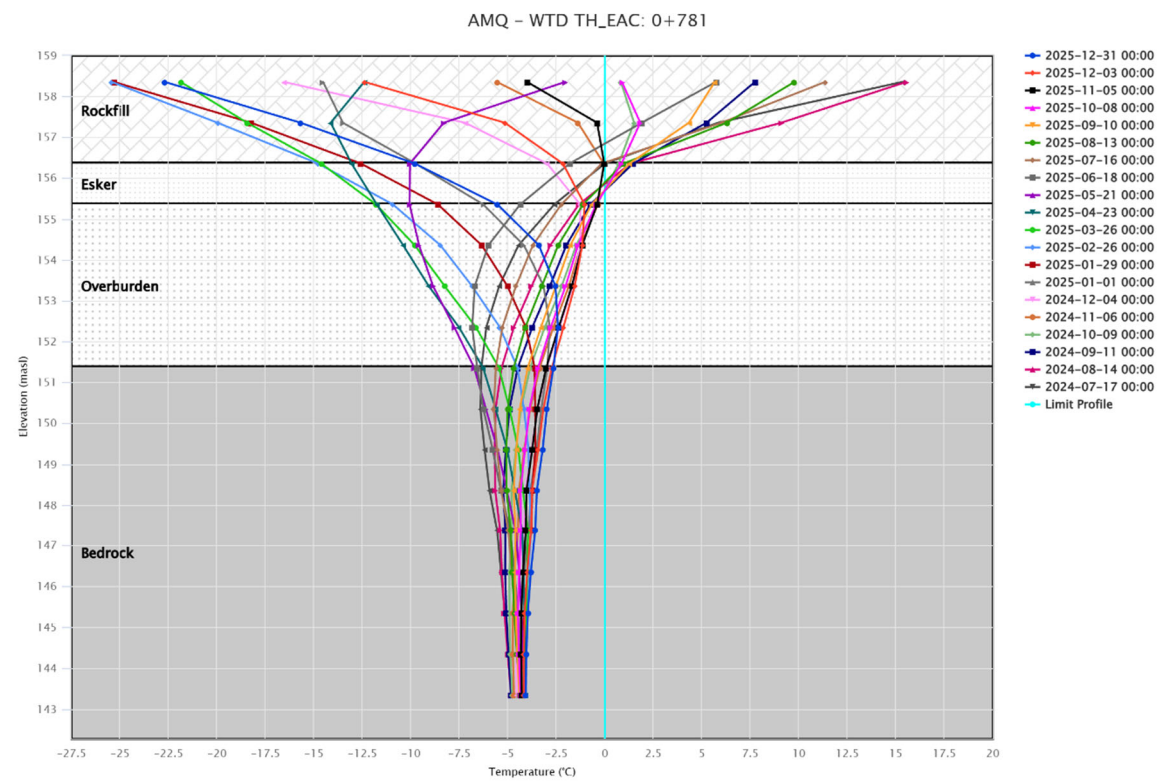
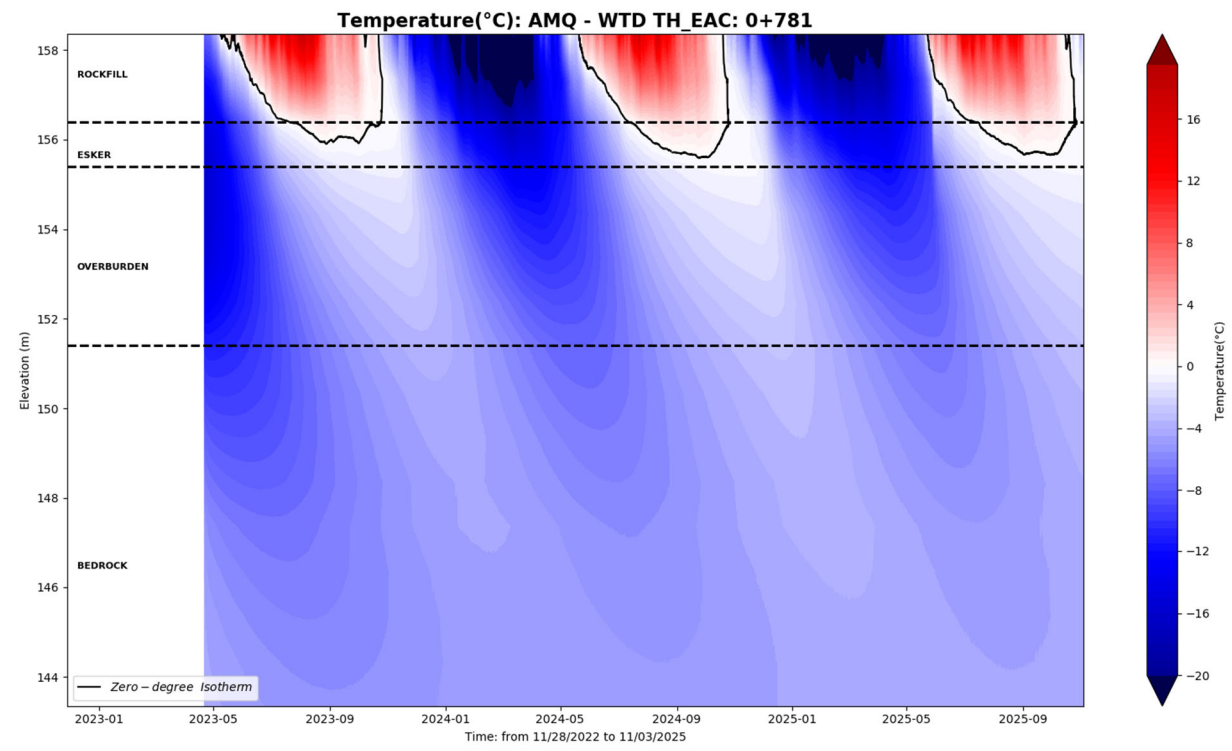
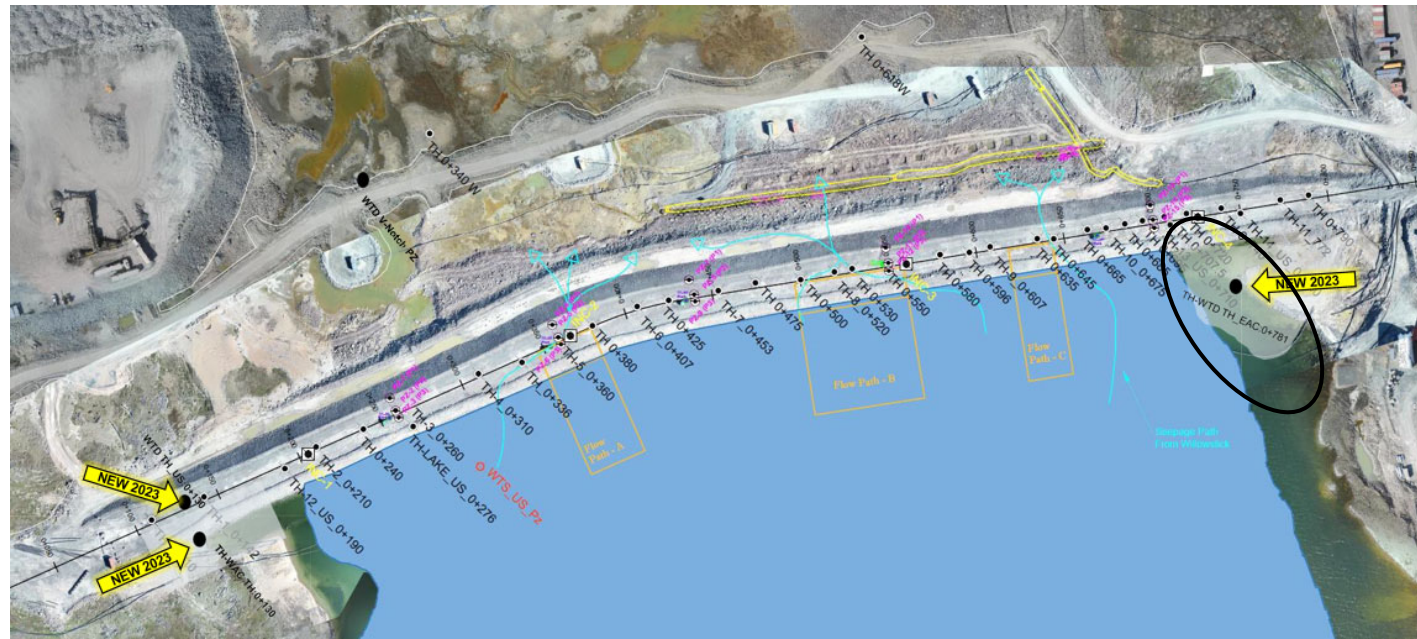
WTD-TH 0+790



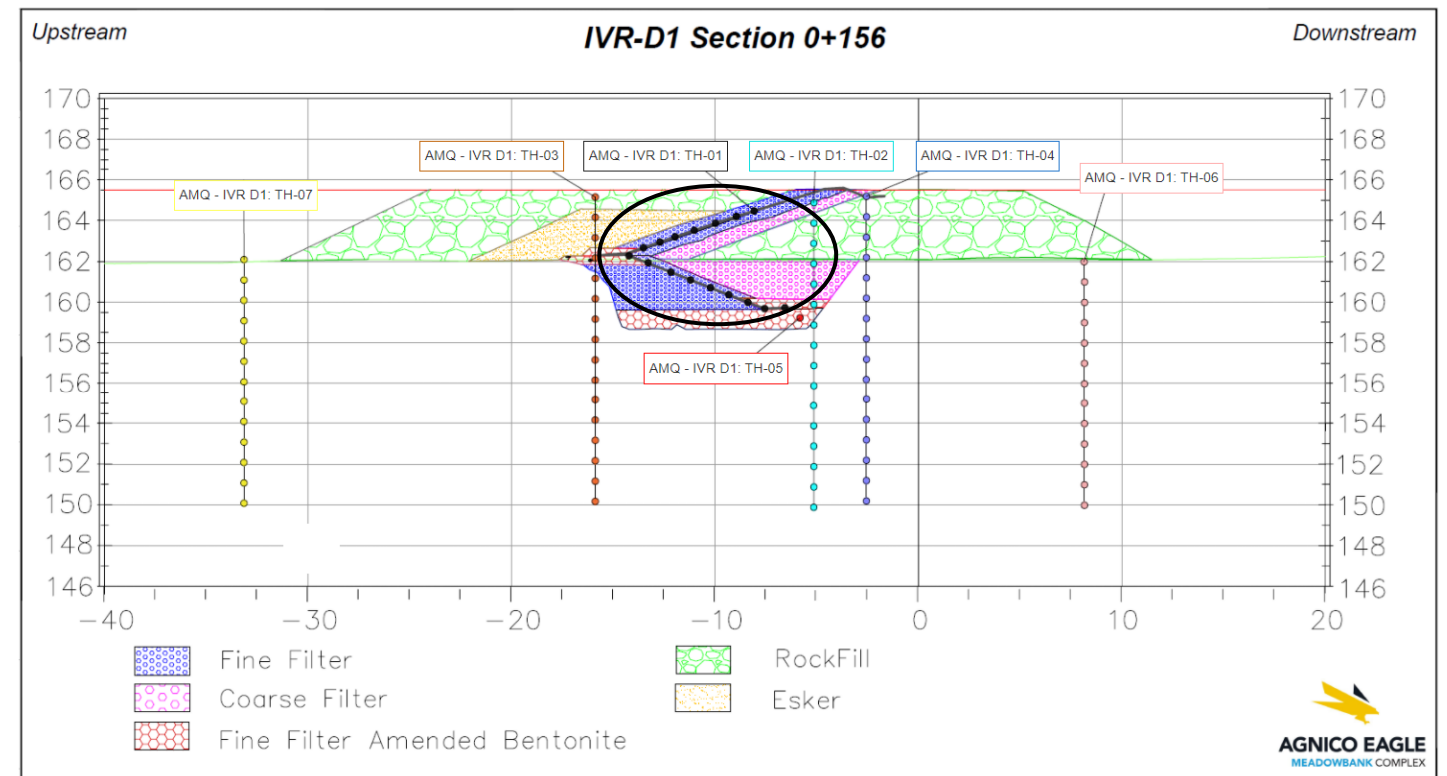
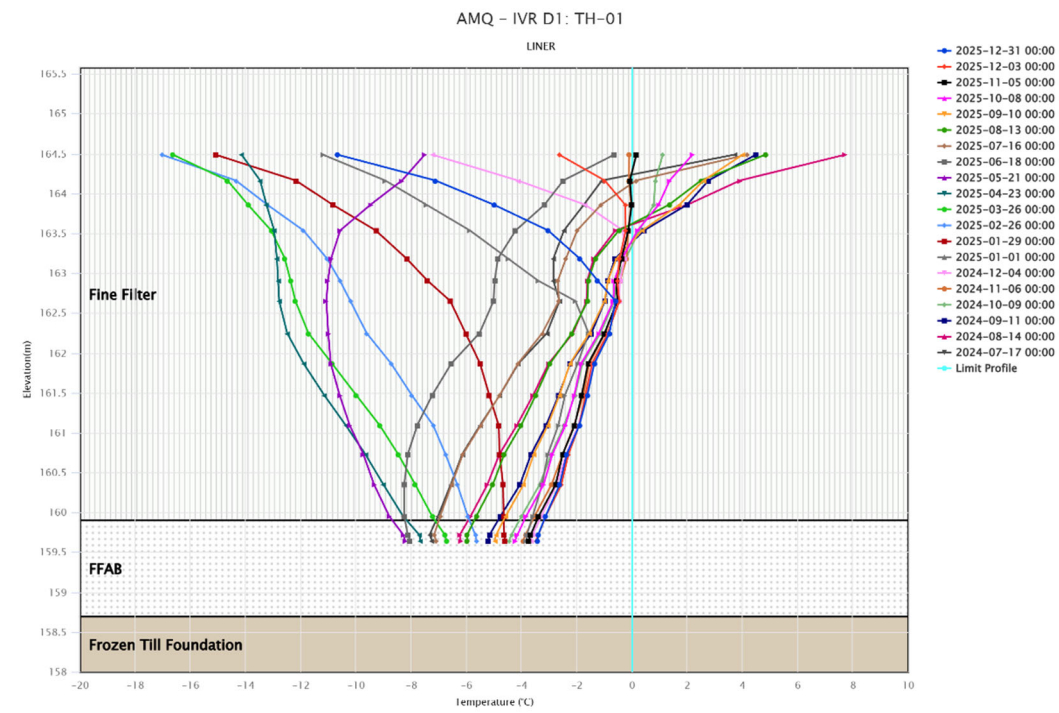
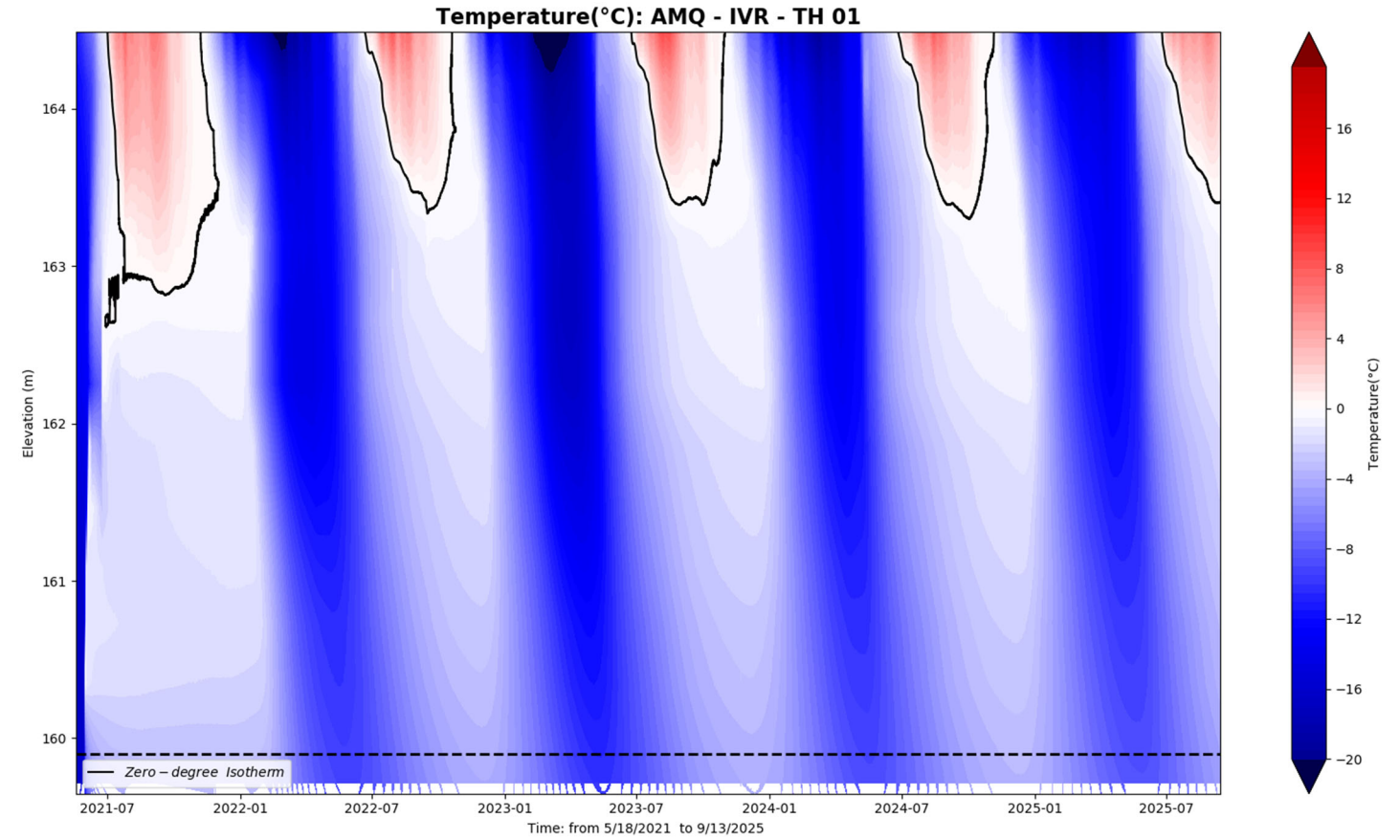
WTD US 0+130



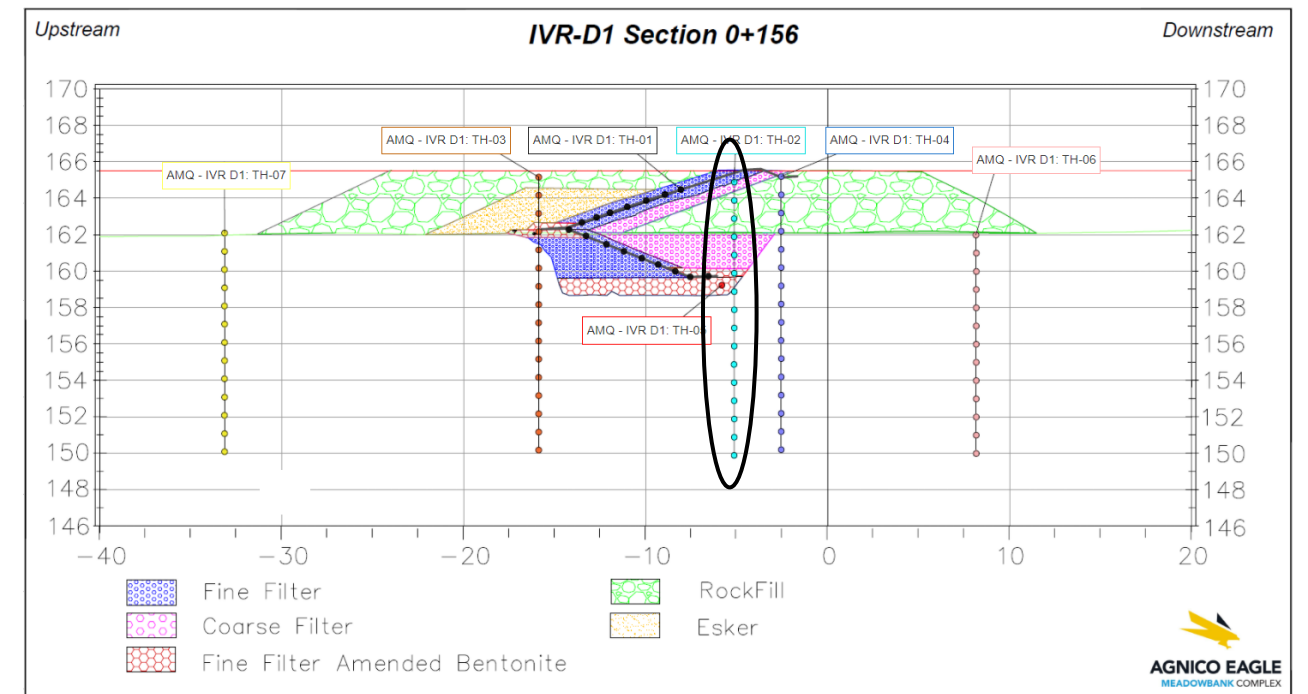
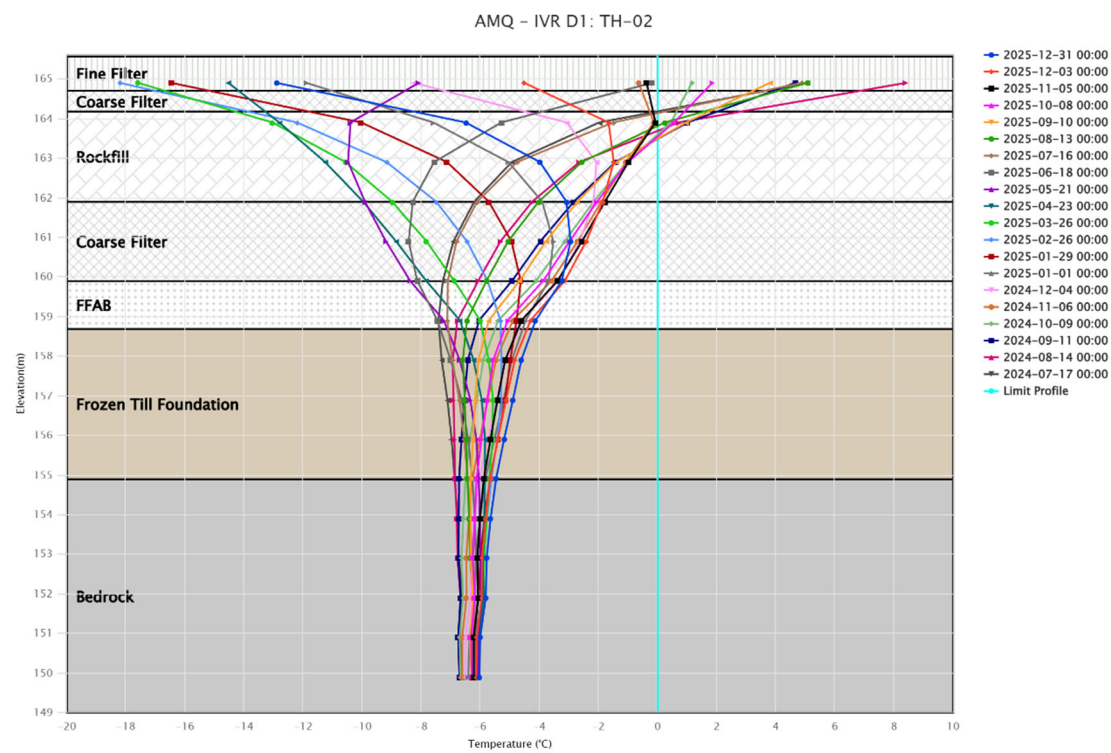
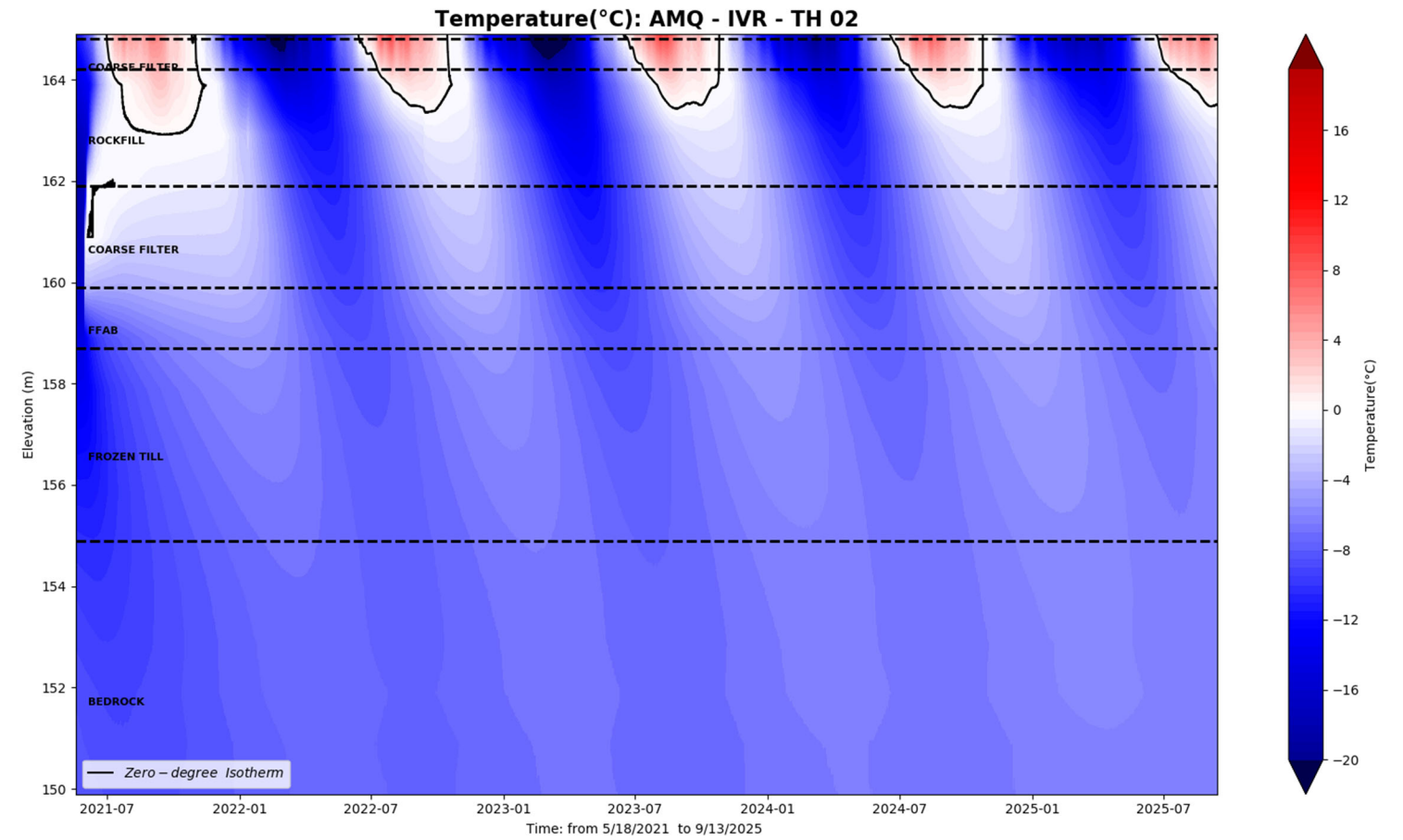
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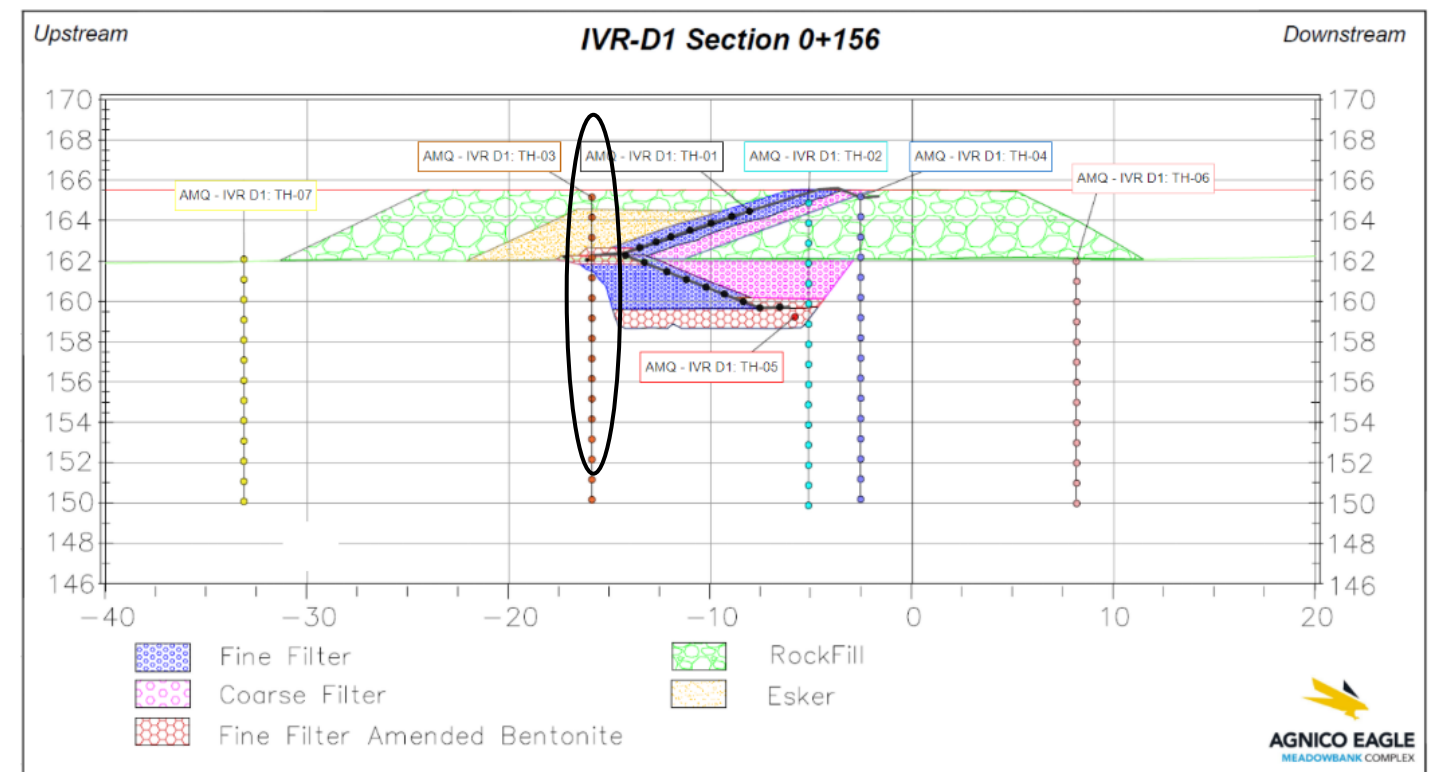
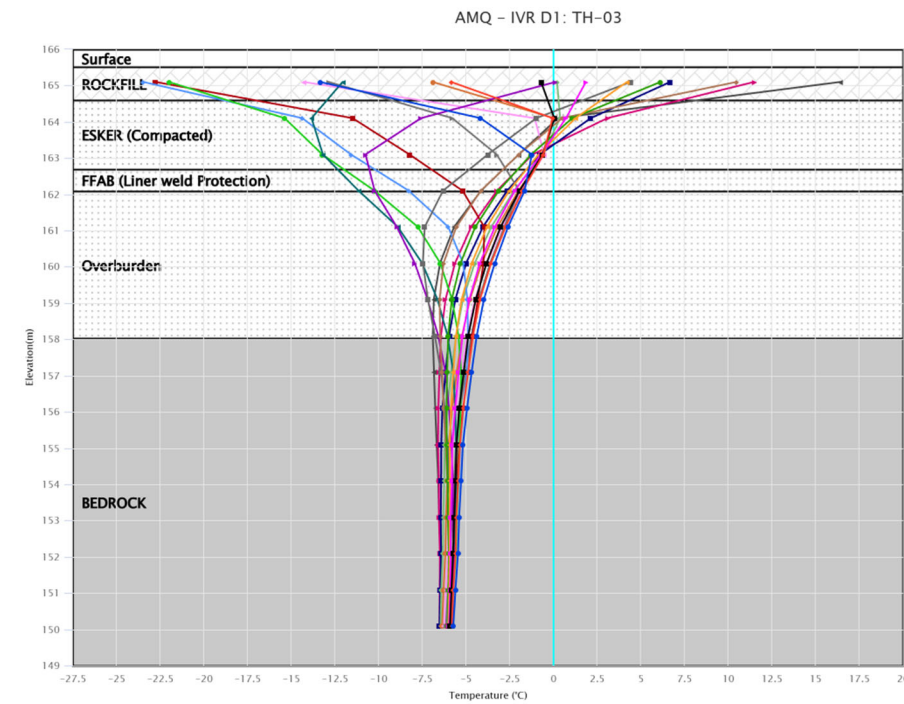
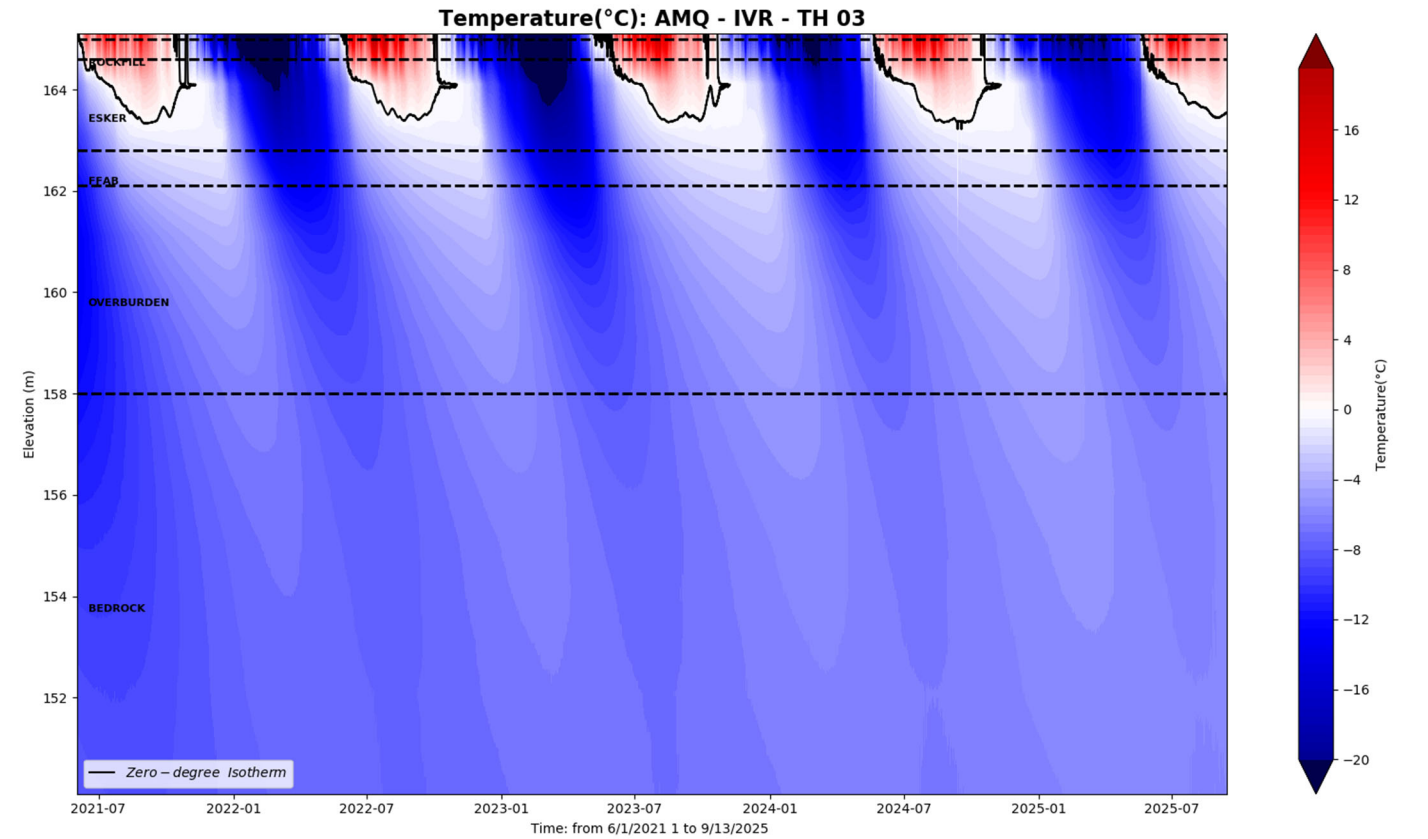
IVR-D1-TH1



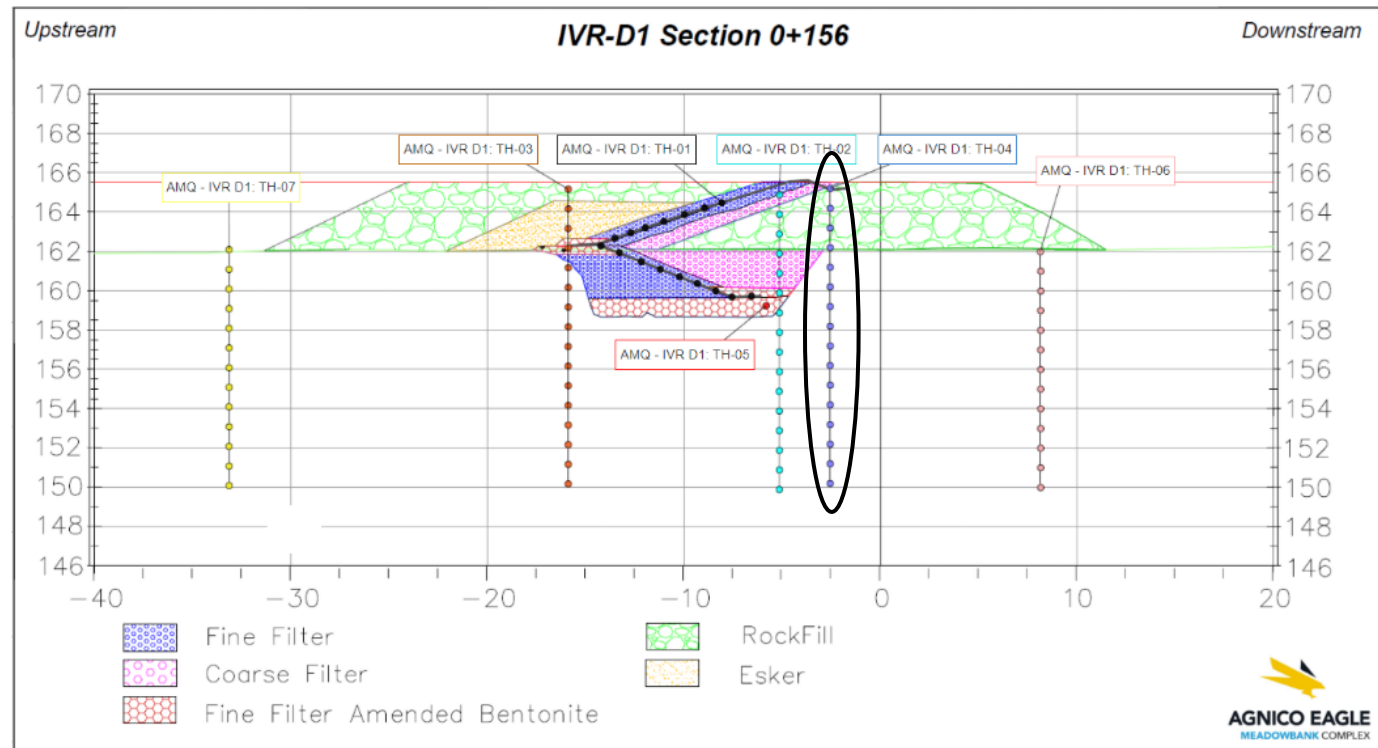
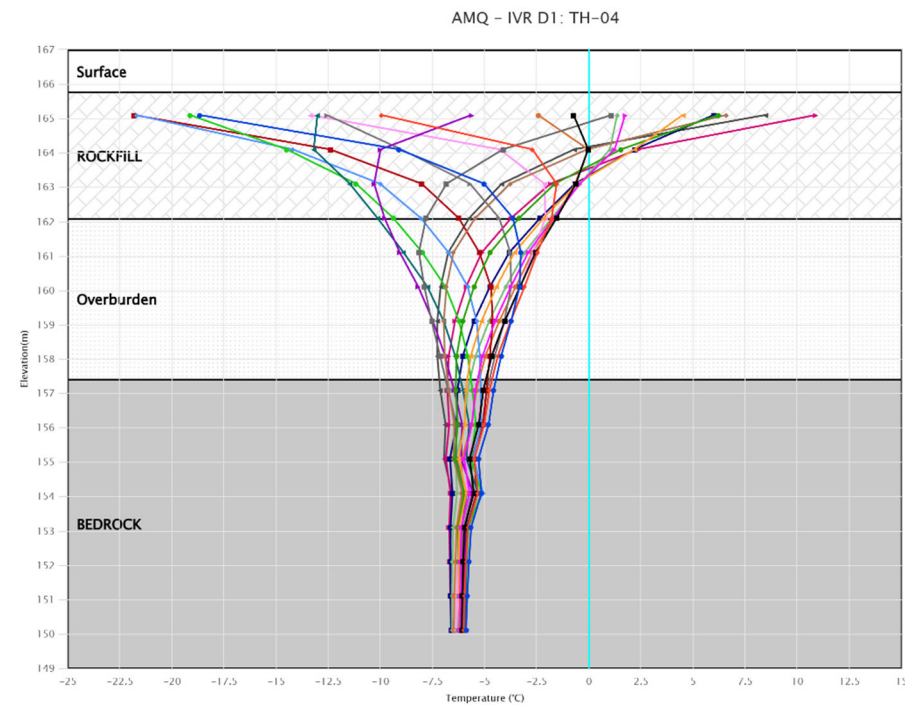
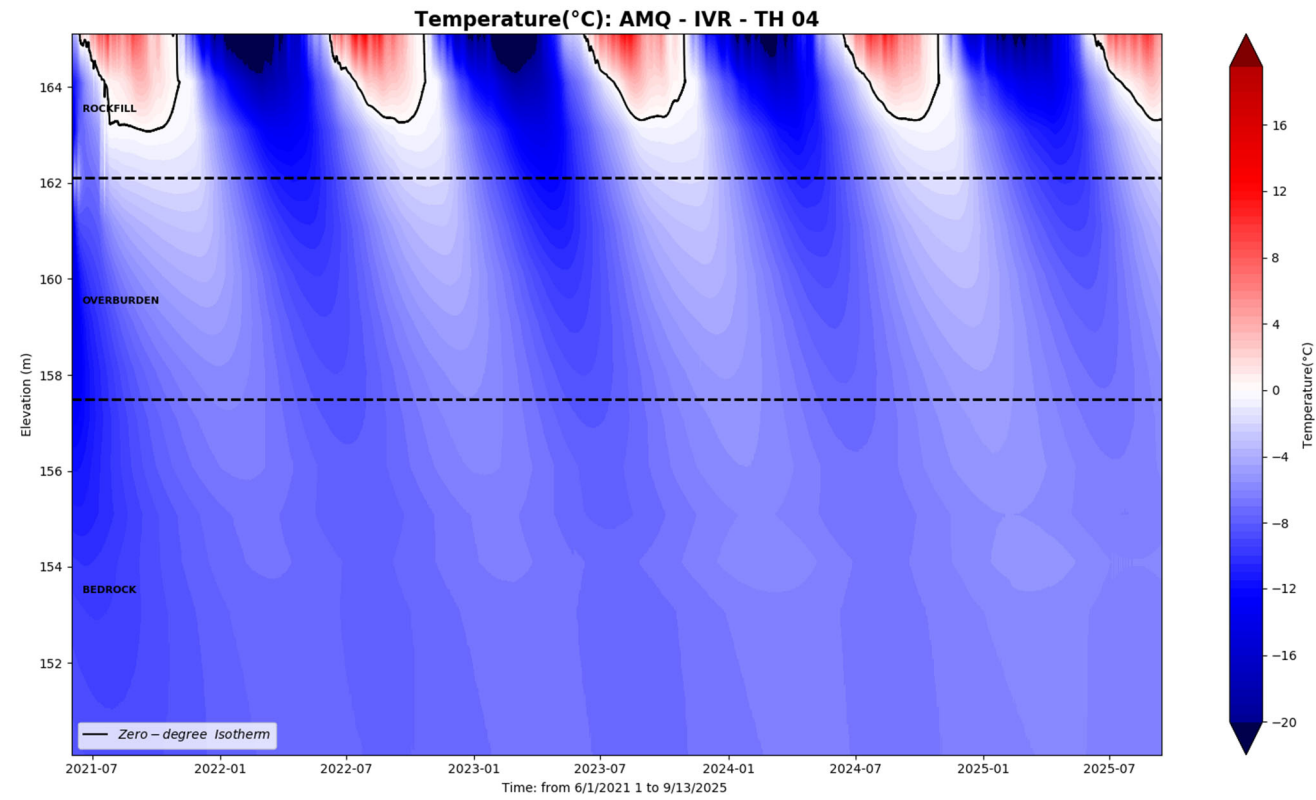
IVR-D1-TH2



IVR-D1-TH3



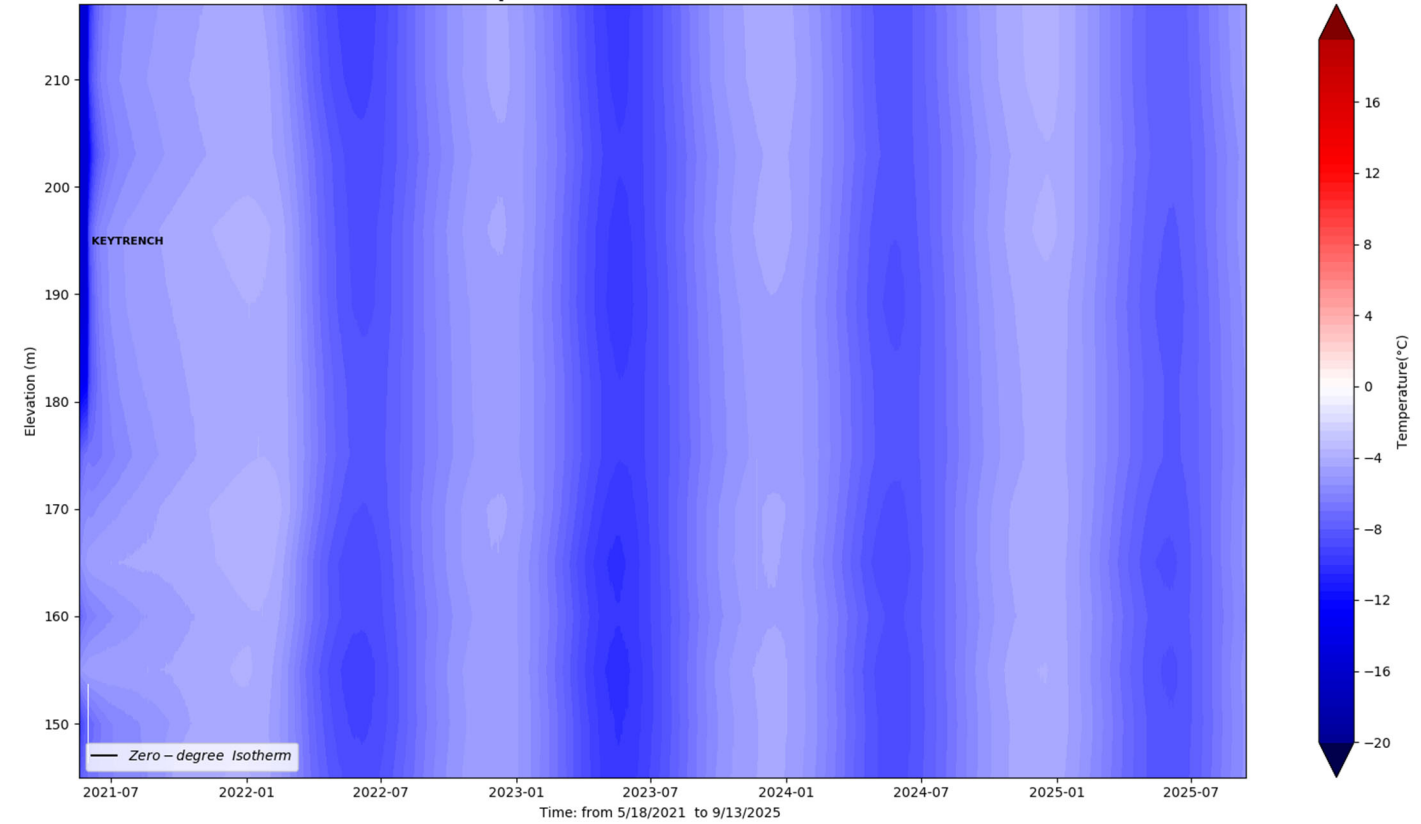
IVR-D1-TH4



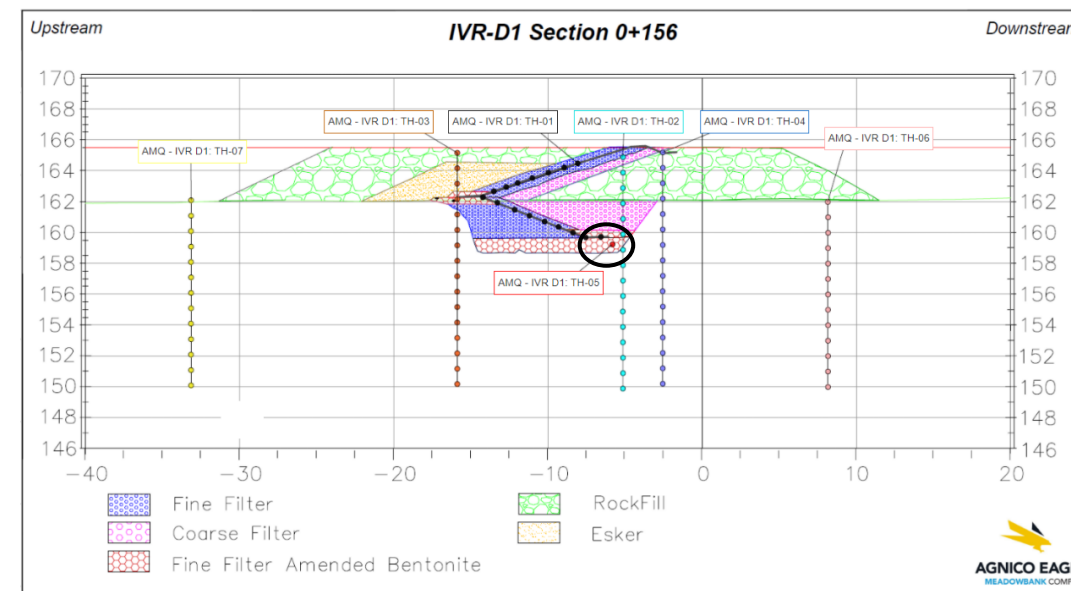
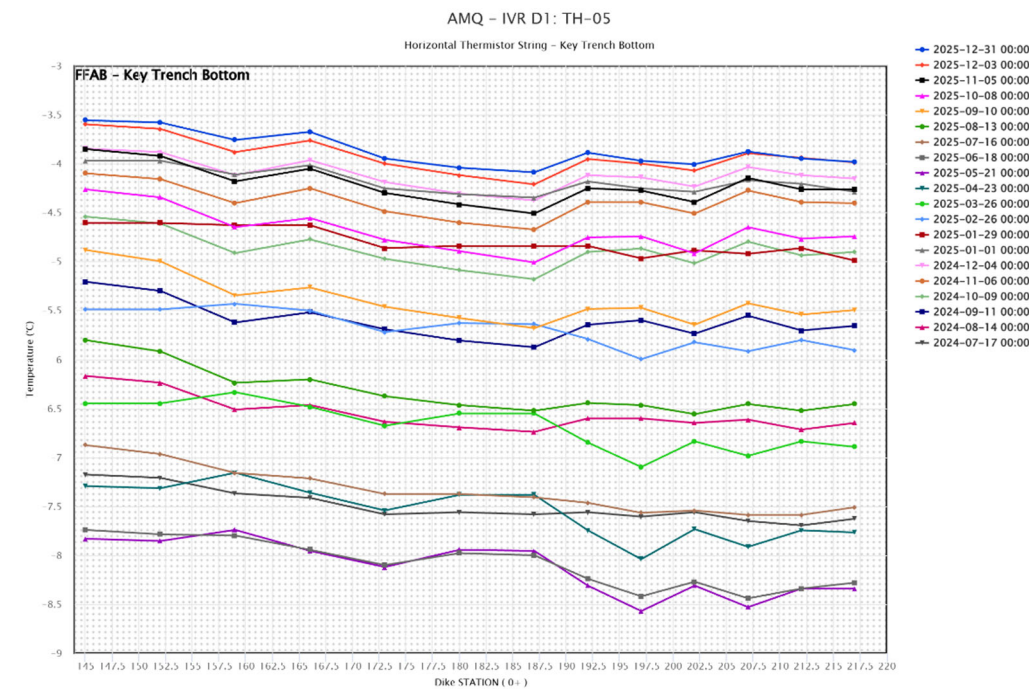
IVR-D1-TH5



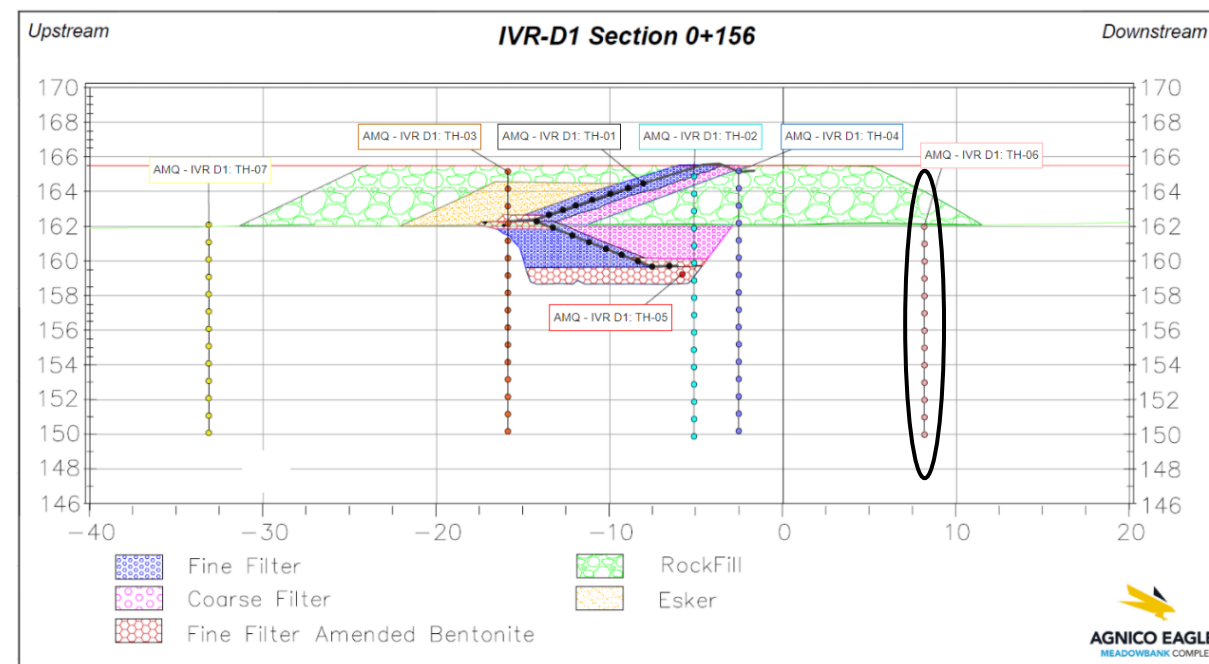
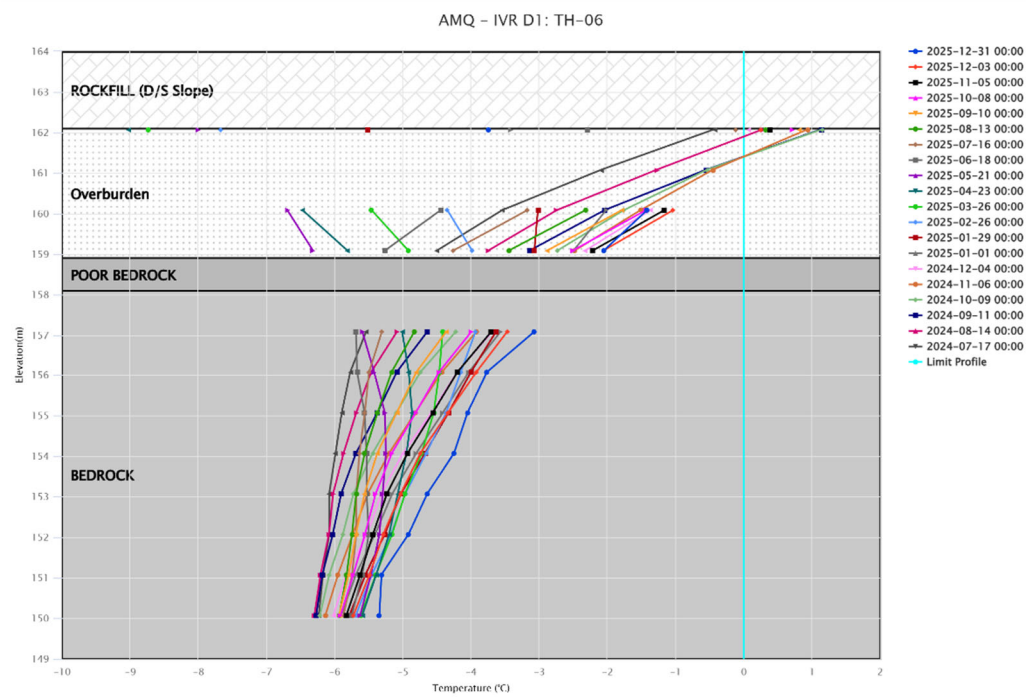
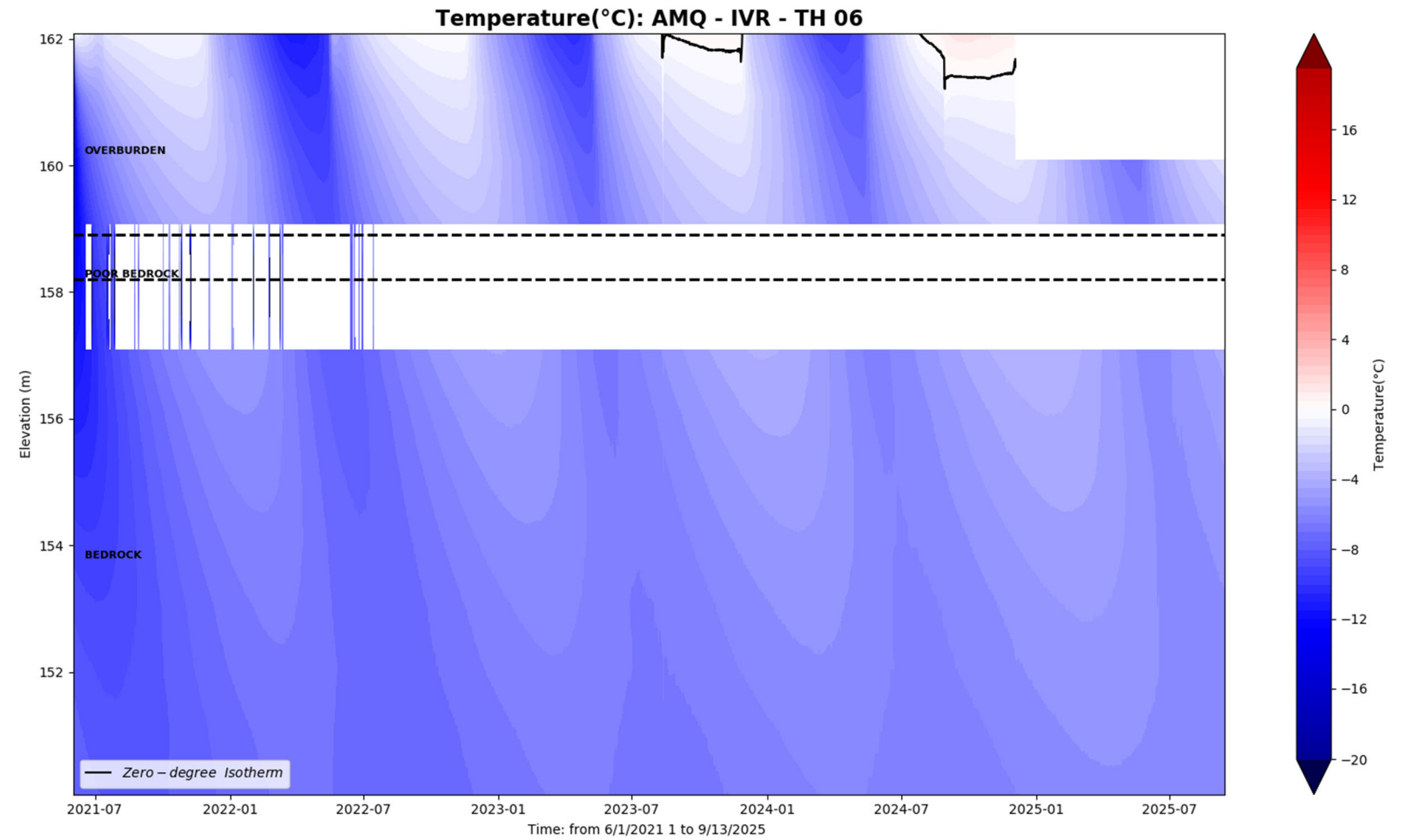
Temperature(°C): AMQ - IVR - TH 05



NOTE: This TH is horizontal and in Keytrench and must be reflected this way when reading the thermal graph



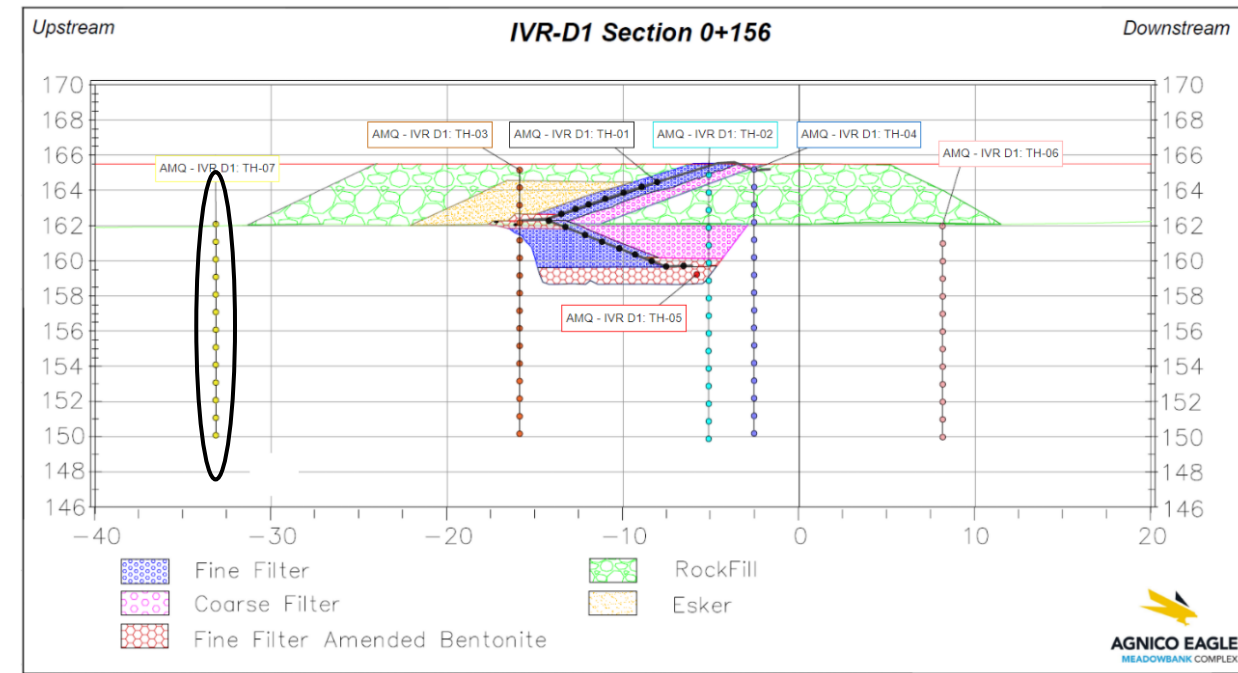
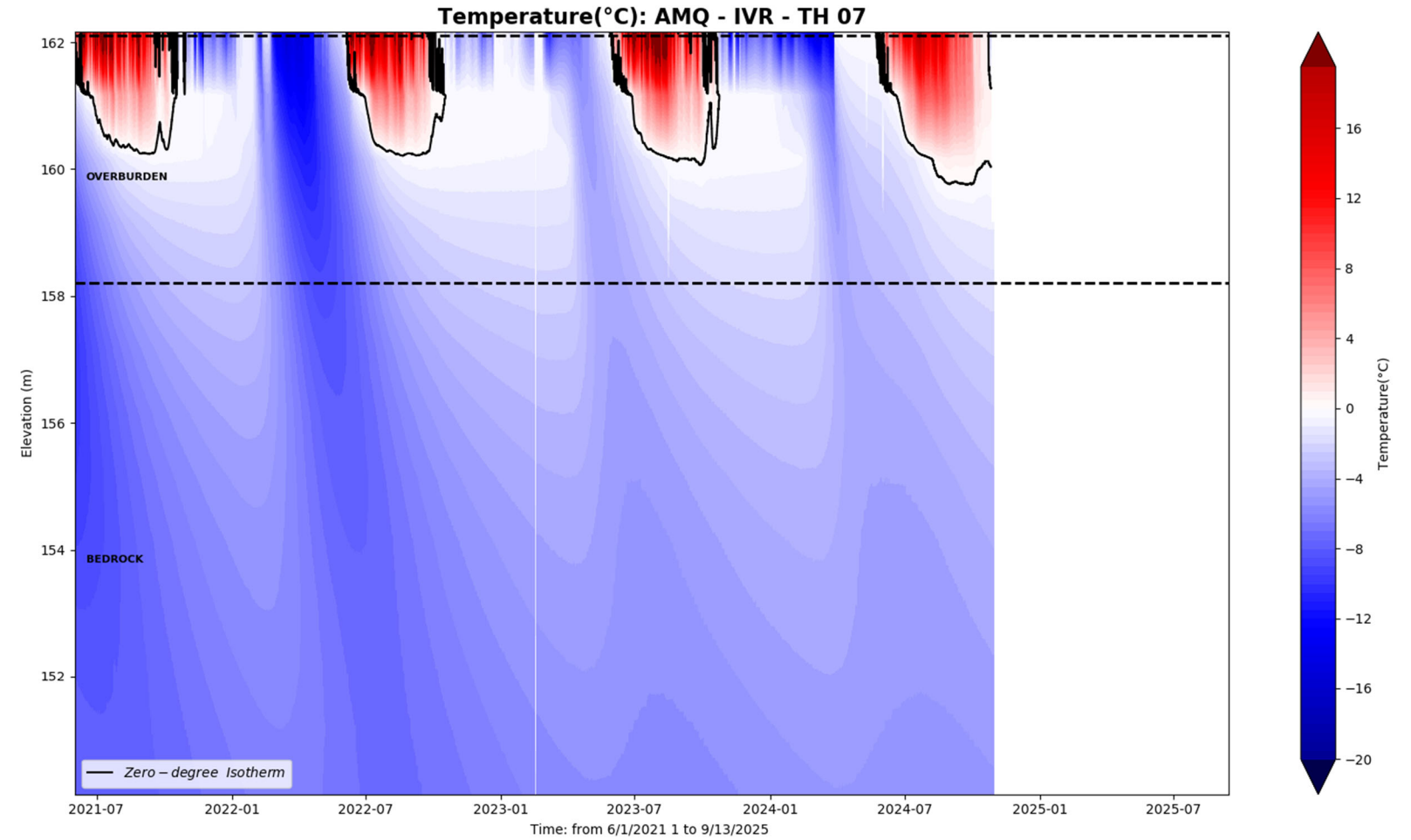
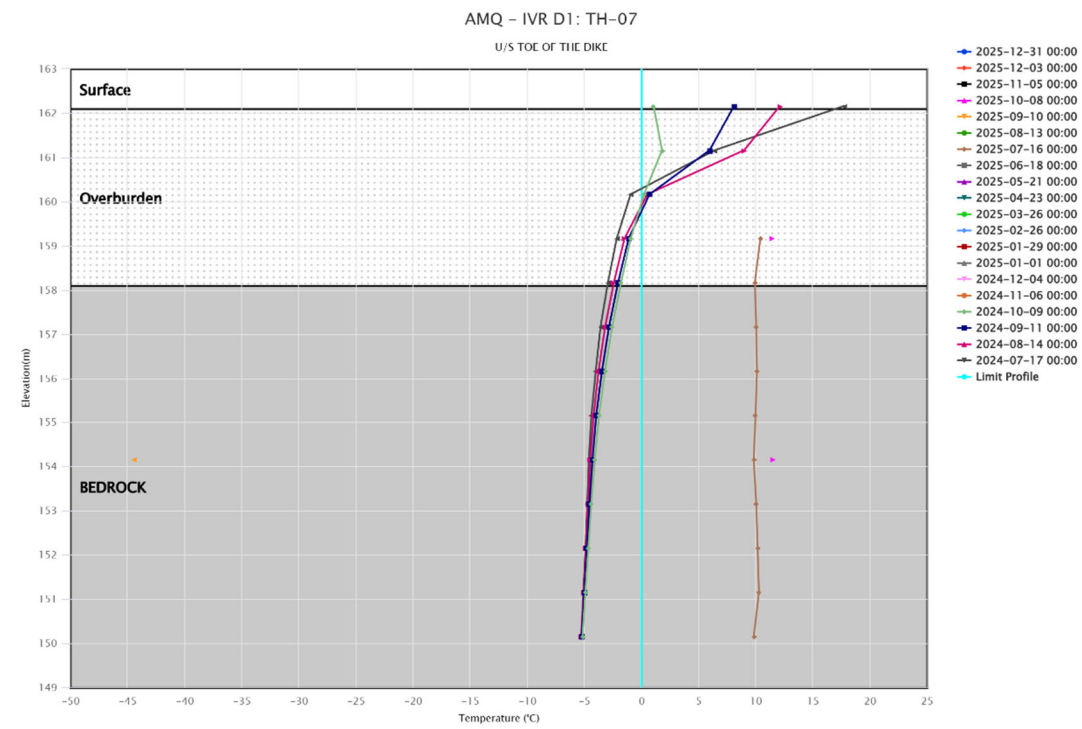
IVR-D1-TH6



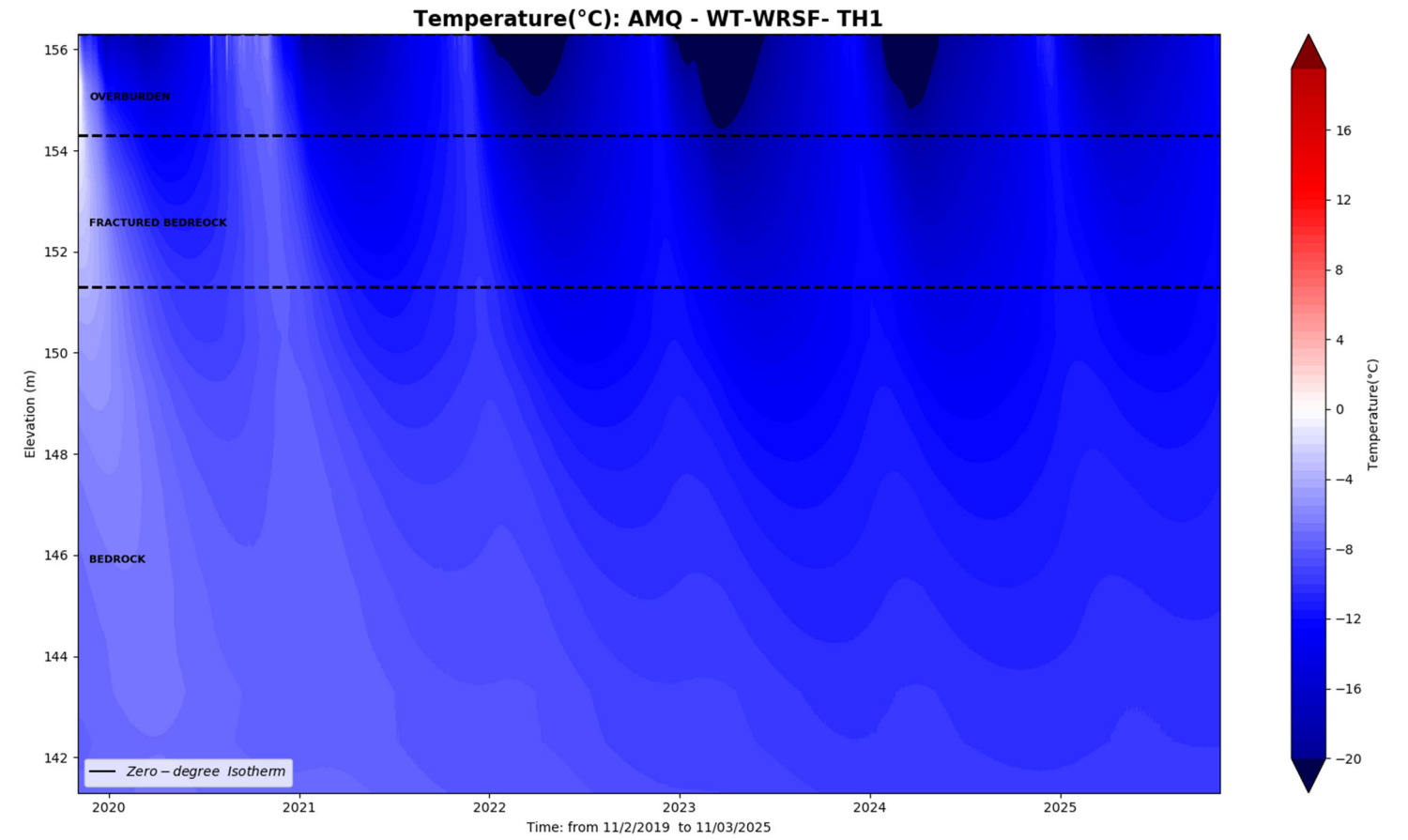
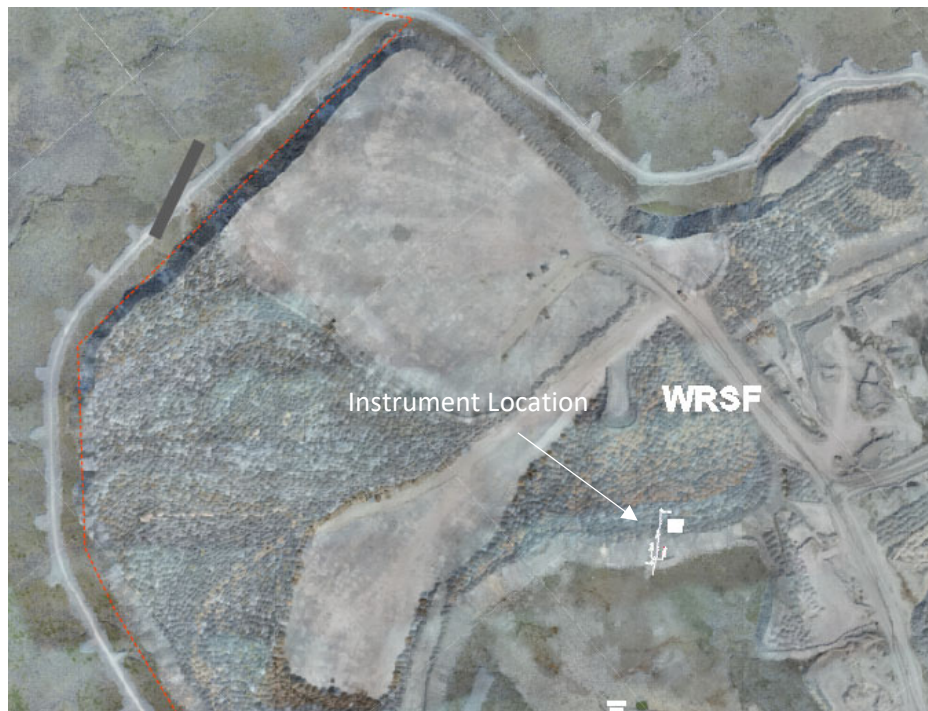
IVR-D1-TH7



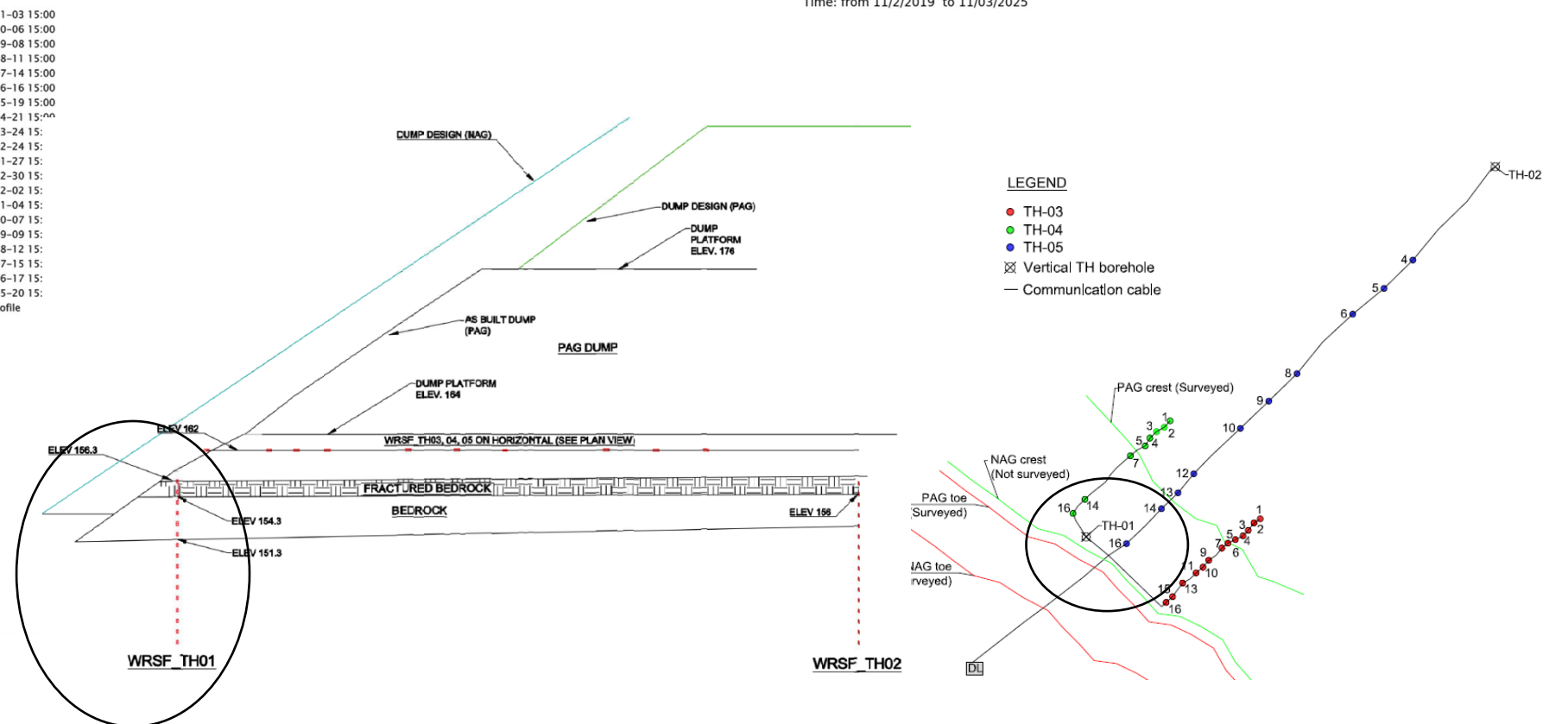
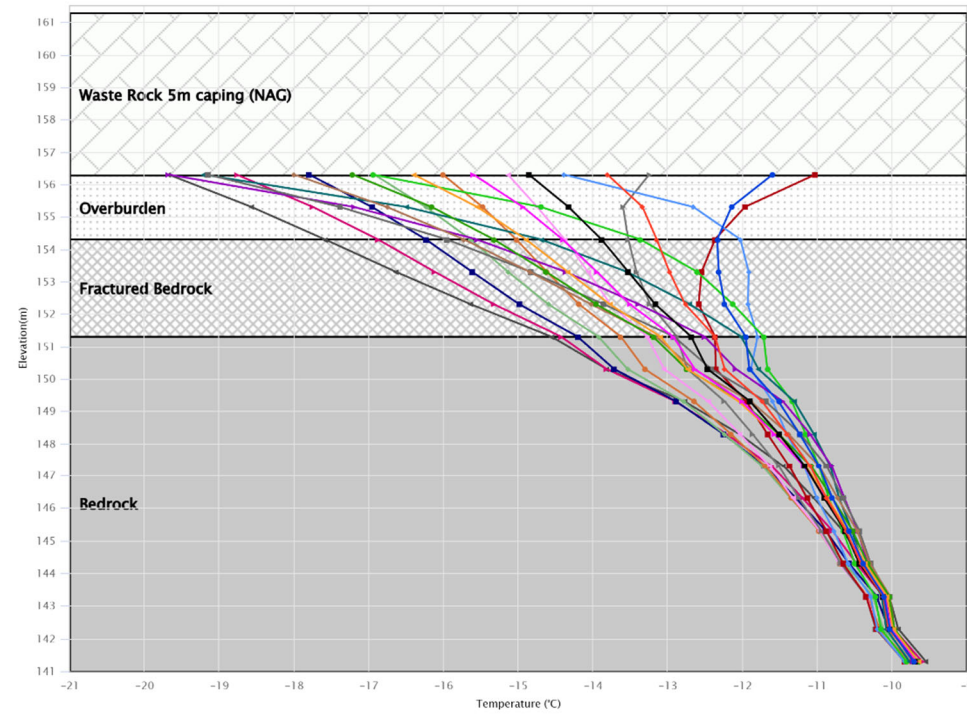
Note: Thermistor broken due to ice dragging PVC and disconnecting it.



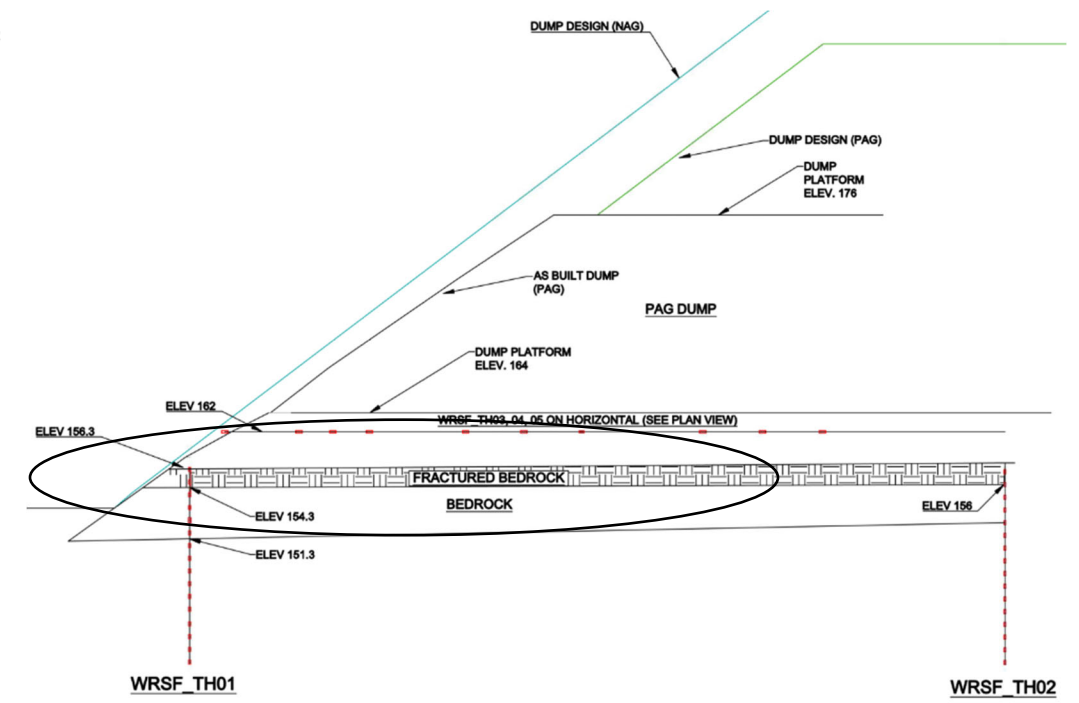
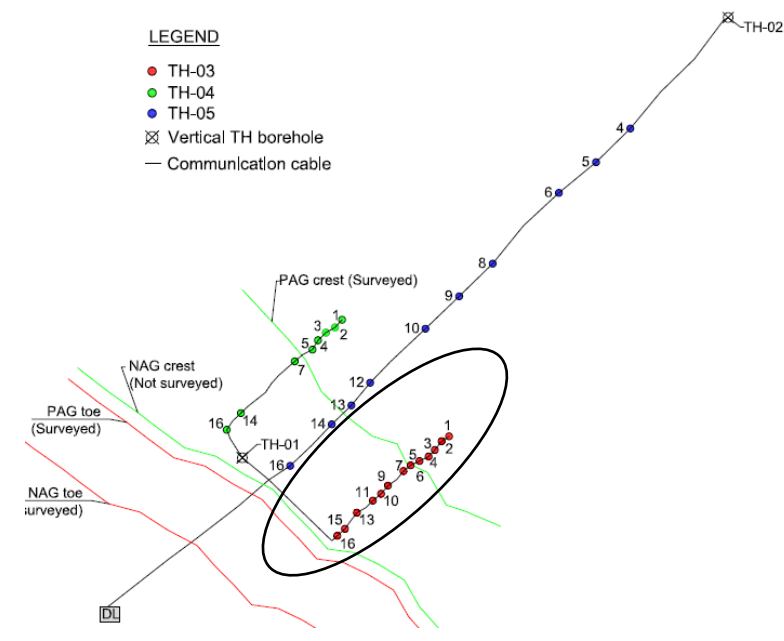
WT WRSF TH1



AMQ - WRSF - WT_TH_01



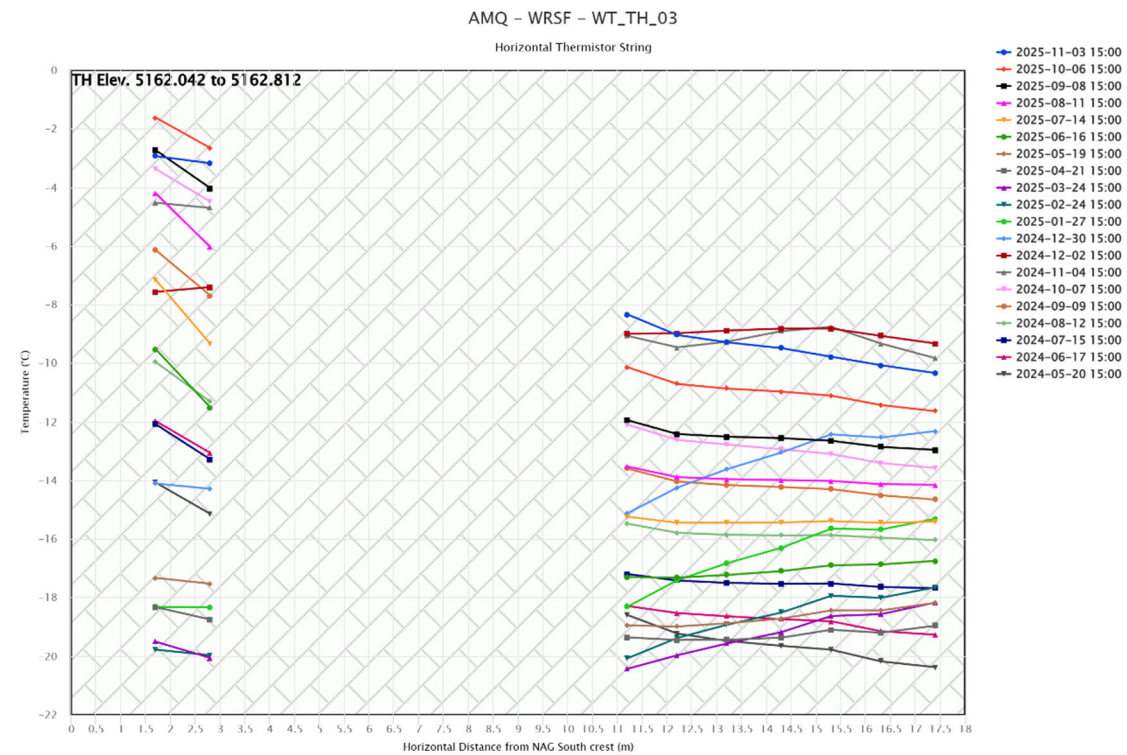
WT WRSF TH3



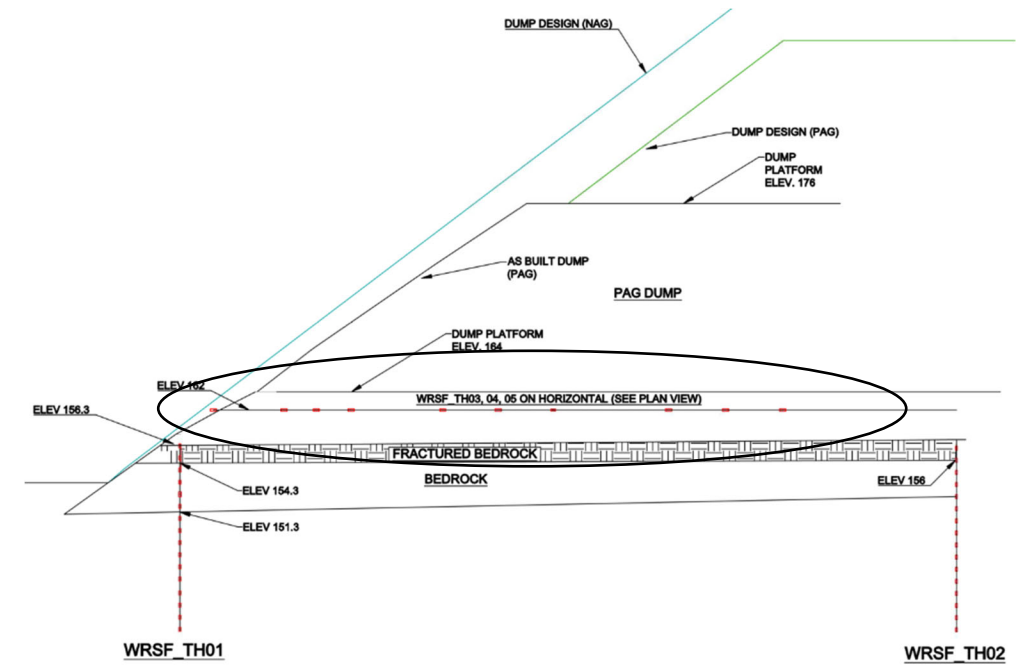
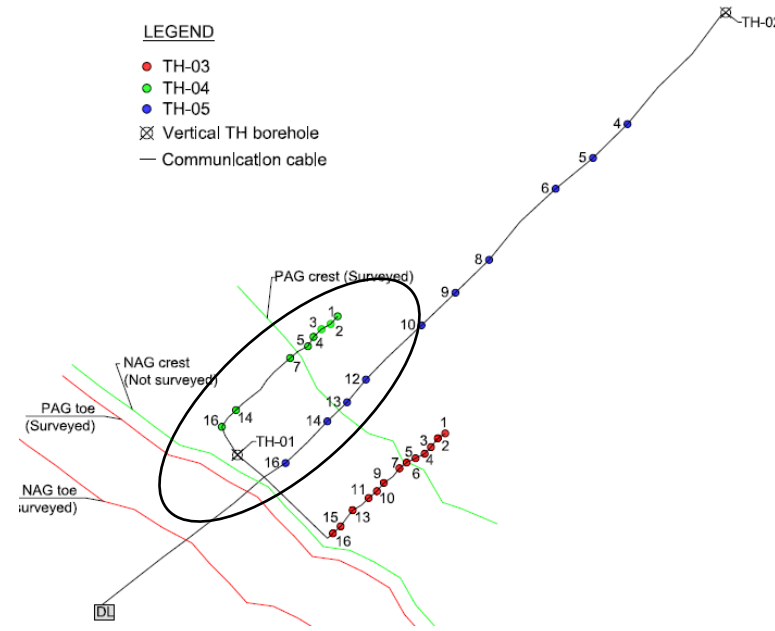
Thermistor in Waste Rock Elevation 162.042 to 162.812.

This instrument is installed horizontally and chart needs to be read accordingly

Beads 3 to 10 are not working

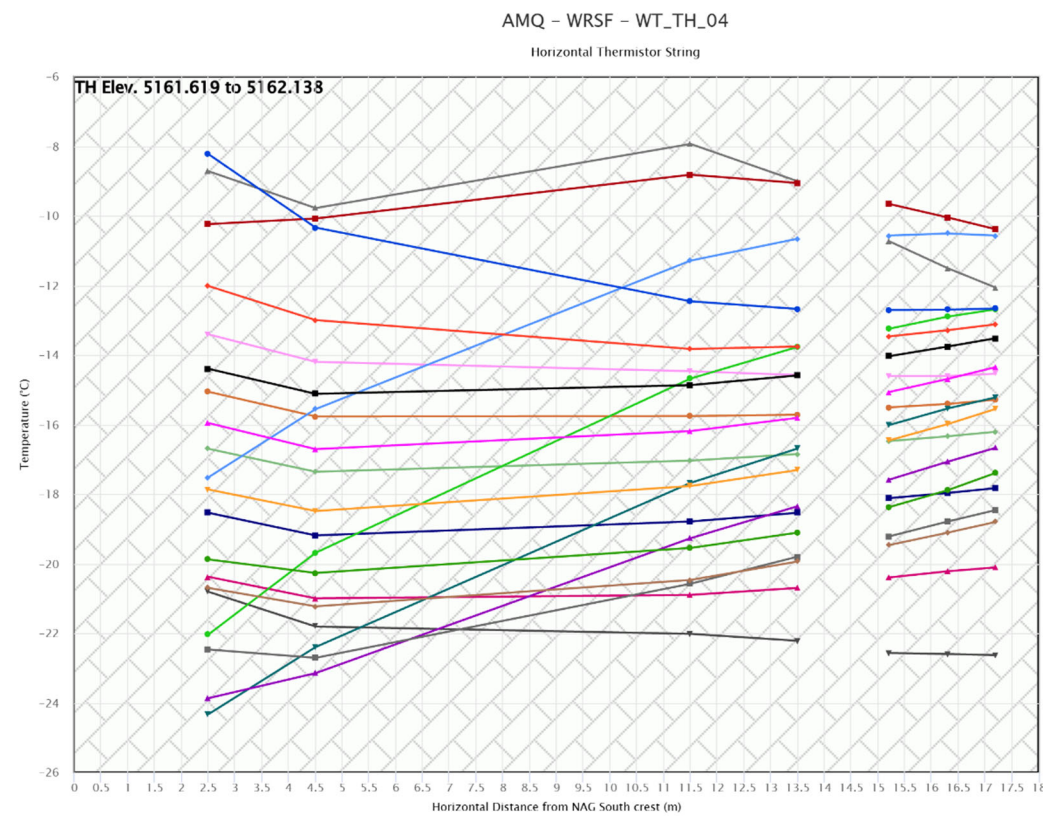


WT WRSF TH4

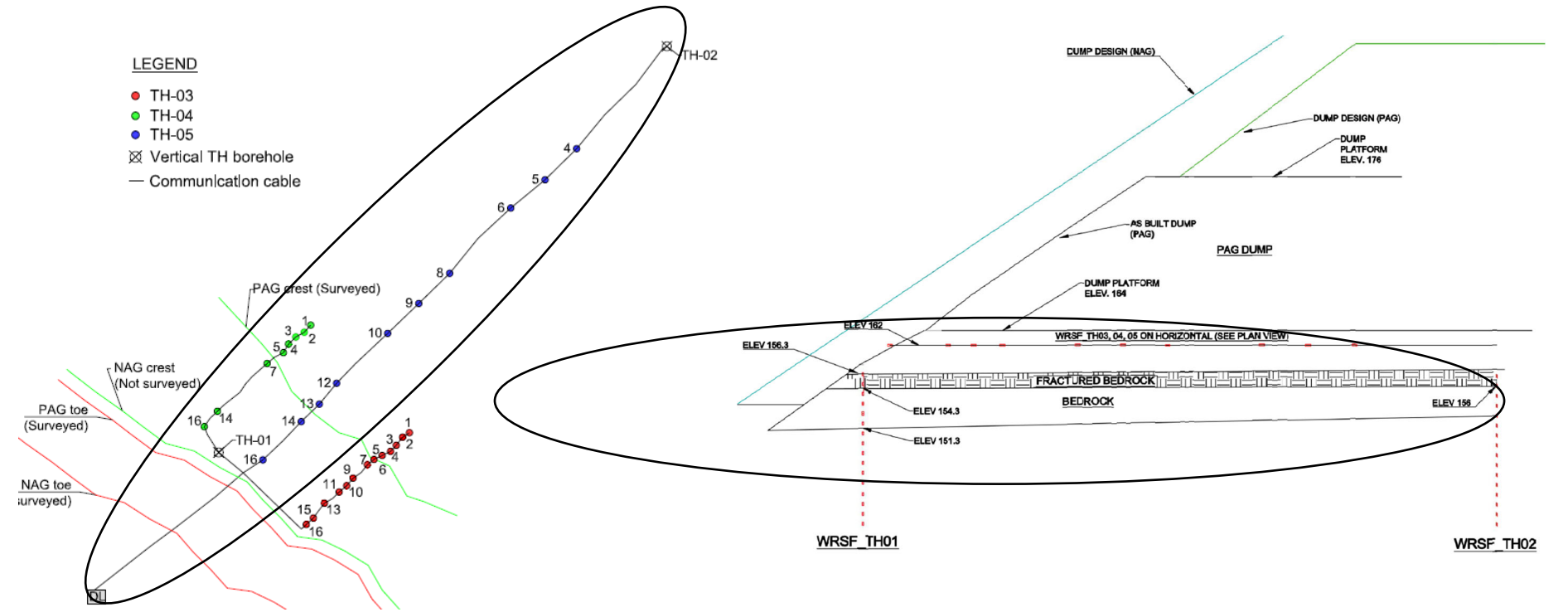
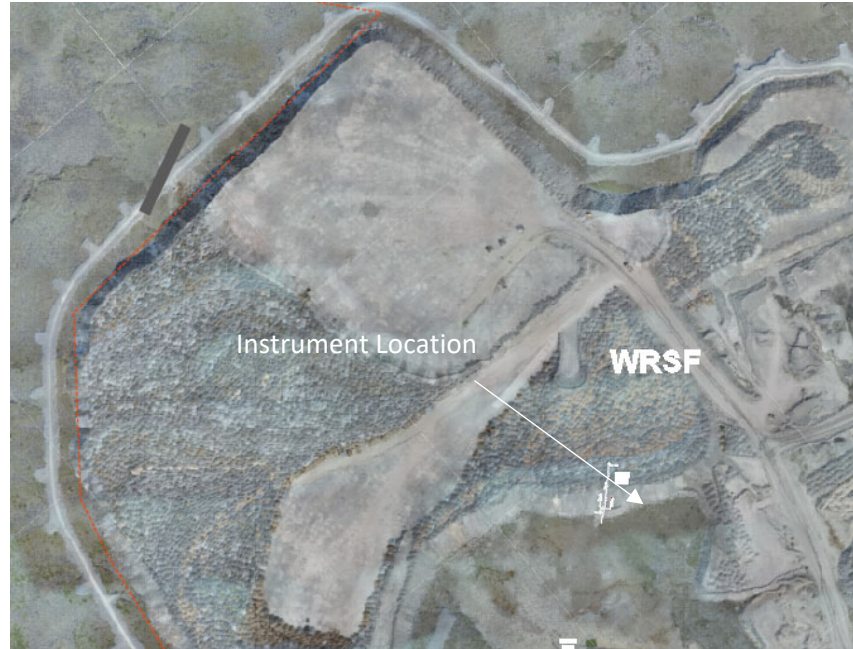


This instrument is installed horizontally and chart needs to be read accordingly

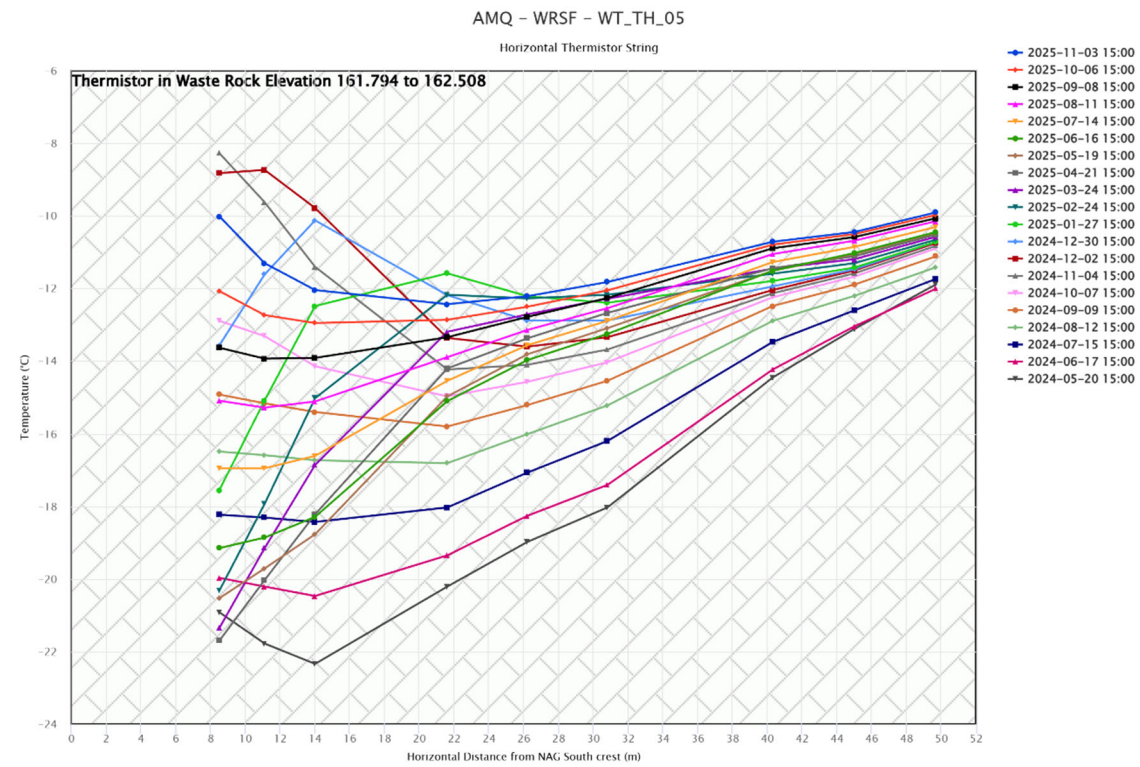
Beads 3 to 10 are not working



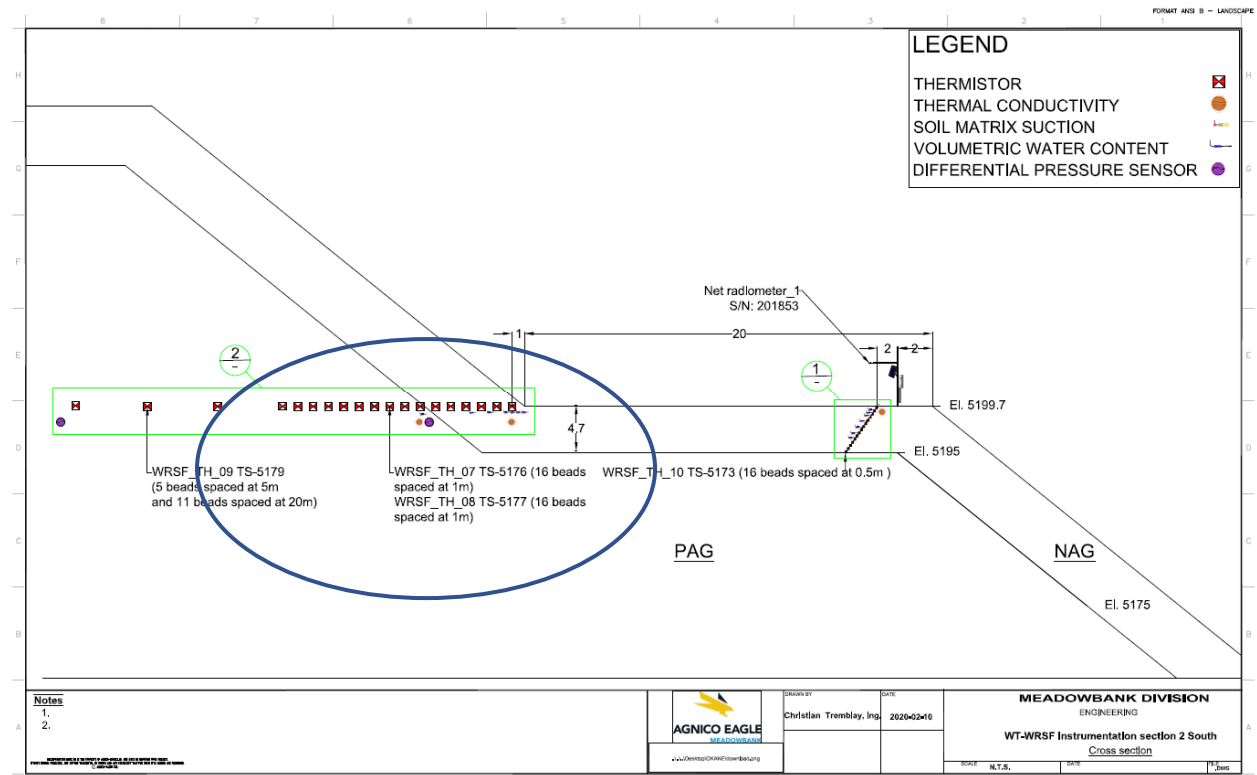
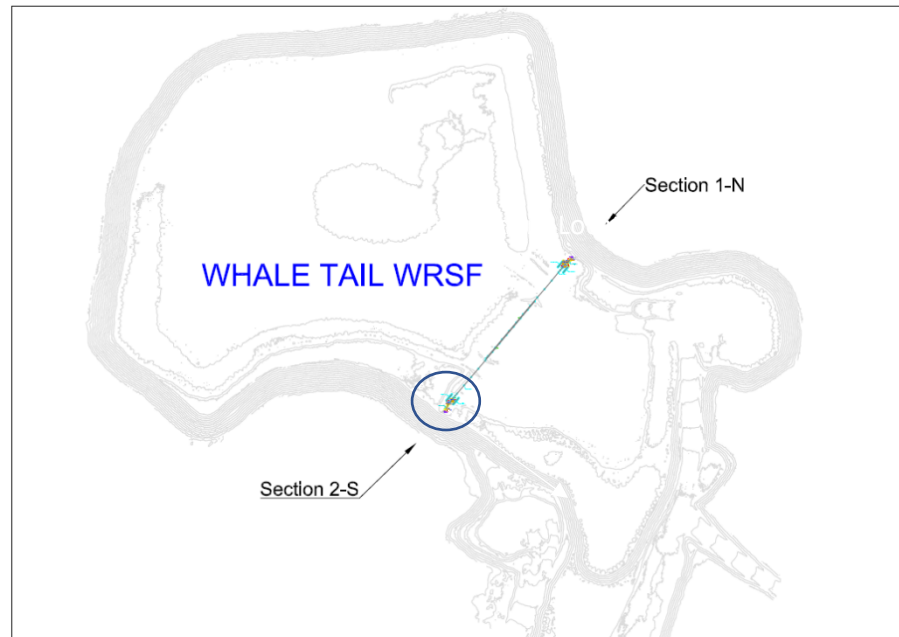
WT WRSF TH5



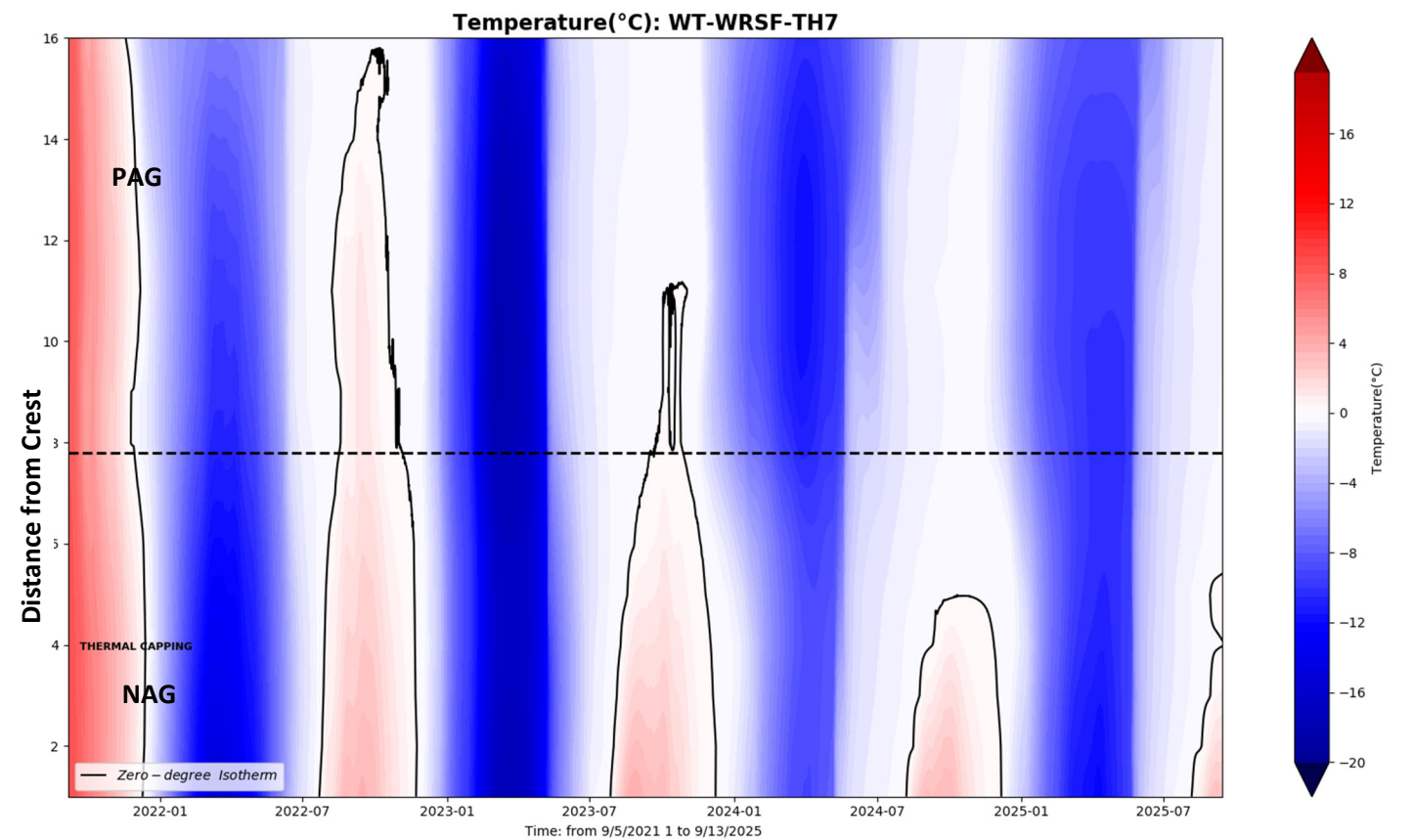
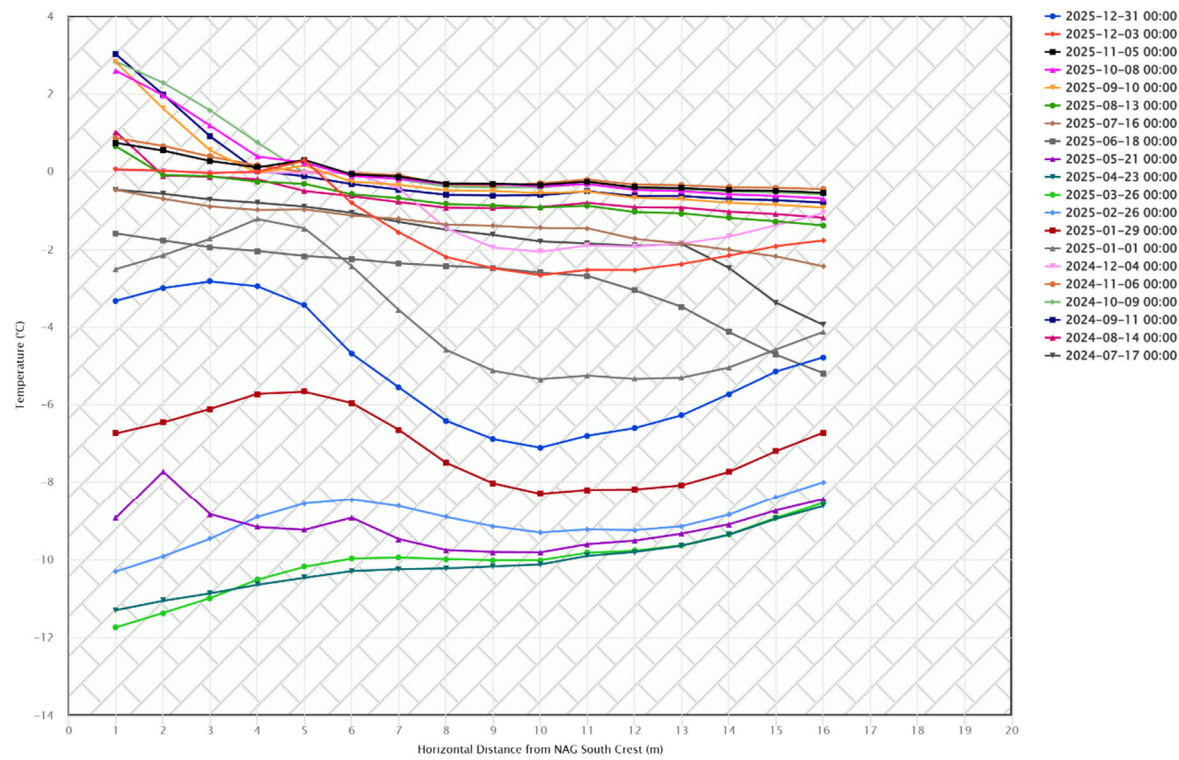
This instrument is installed horizontally and chart needs to be read accordingly



WT WRSF TH07

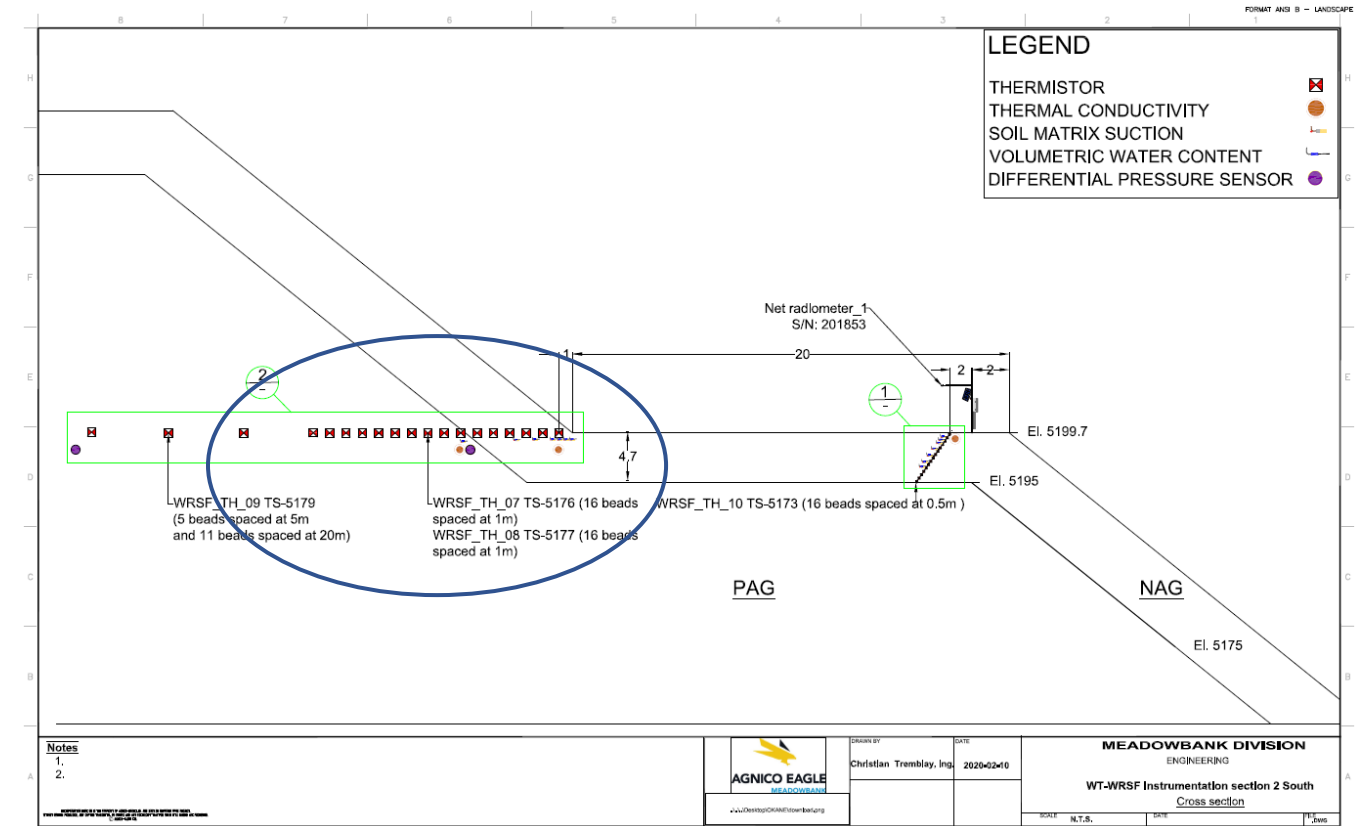
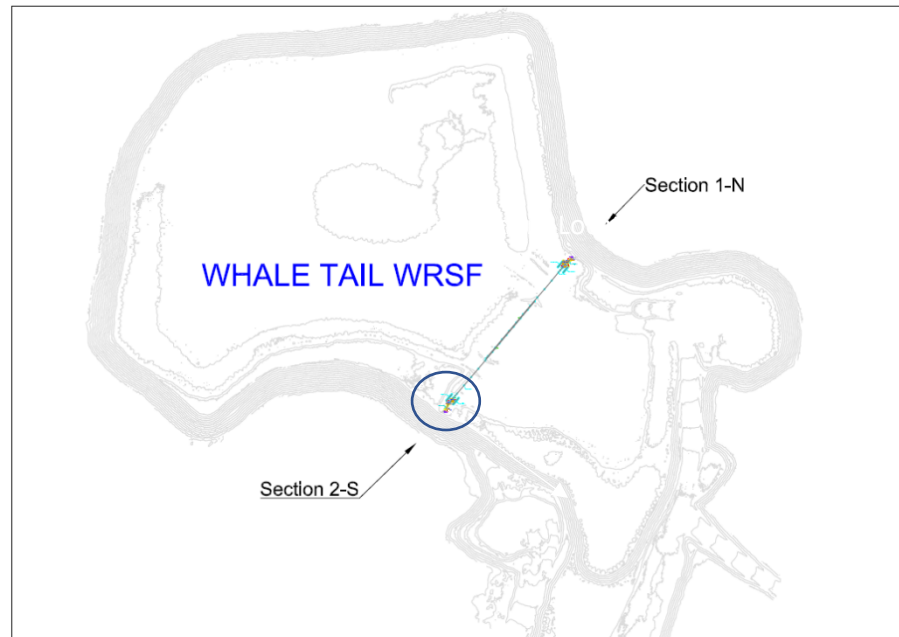


AMQ - WRSF - WT_TH_07

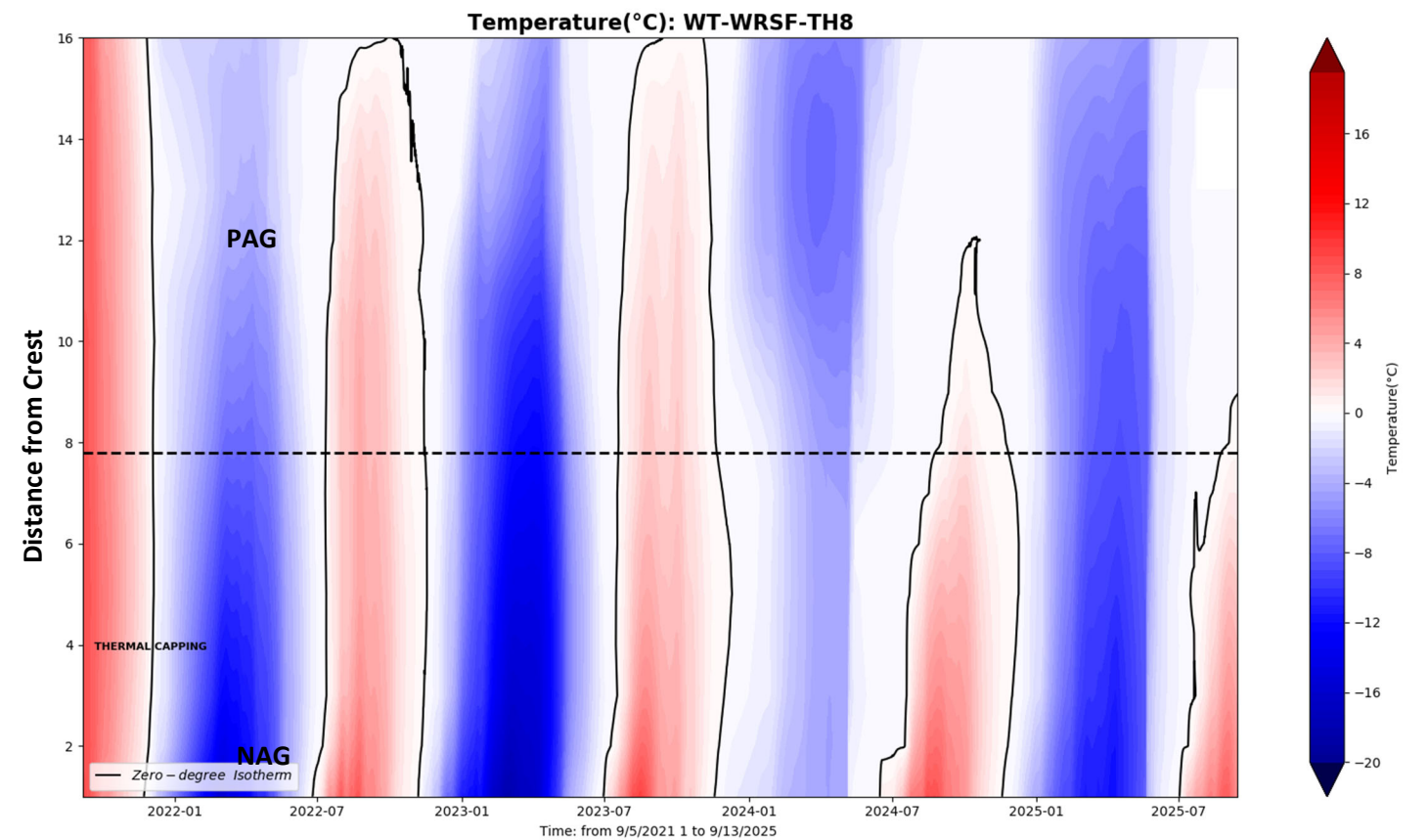
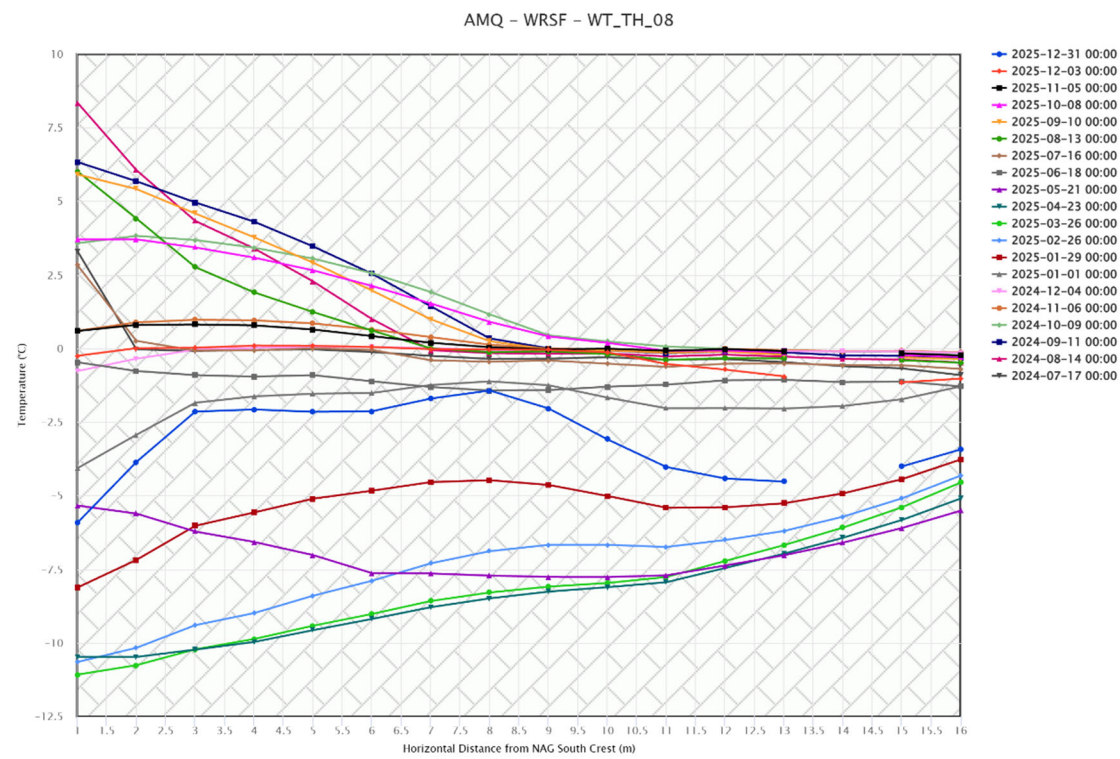


This instrument is installed horizontally and chart needs to be read accordingly

WT WRSF TH08

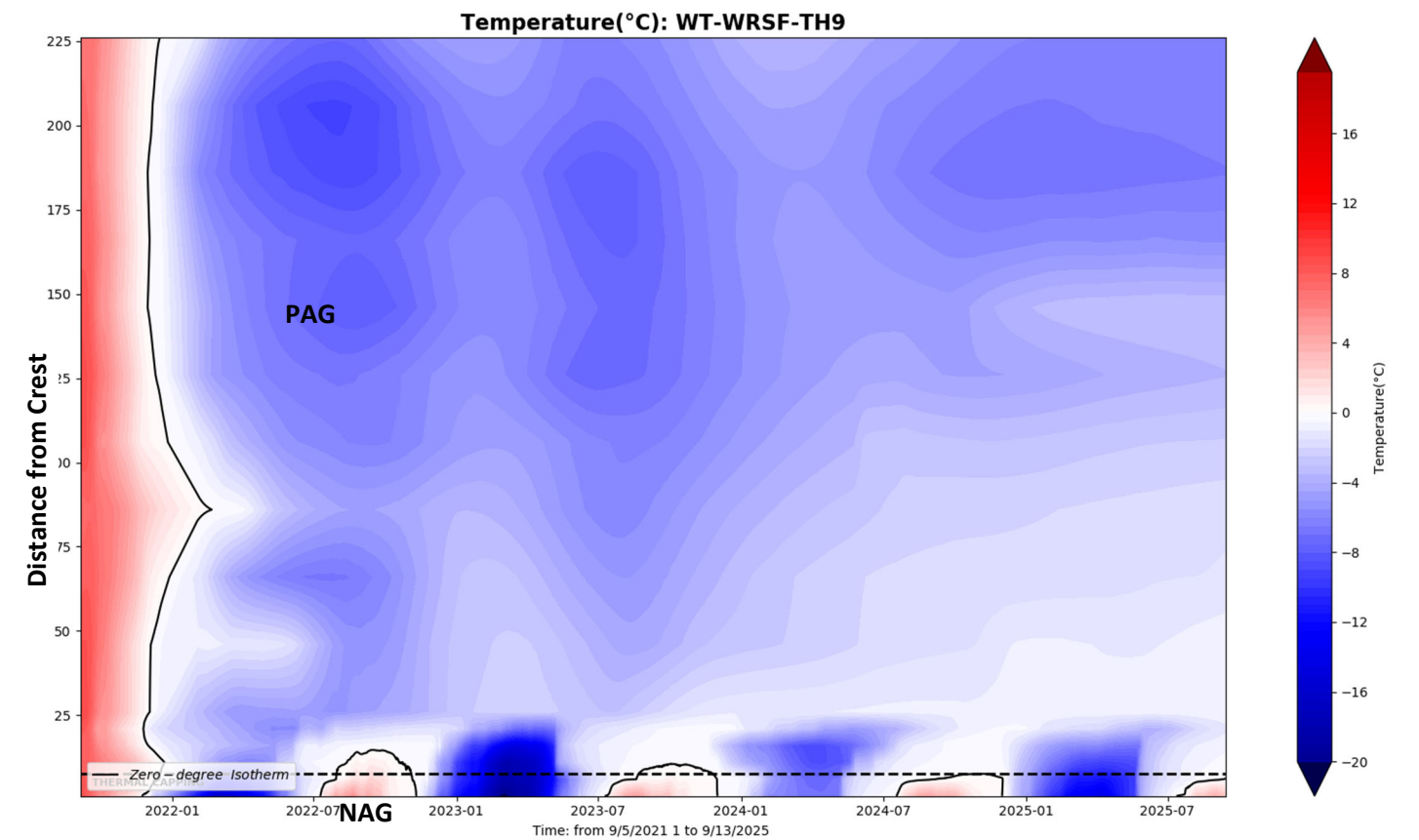
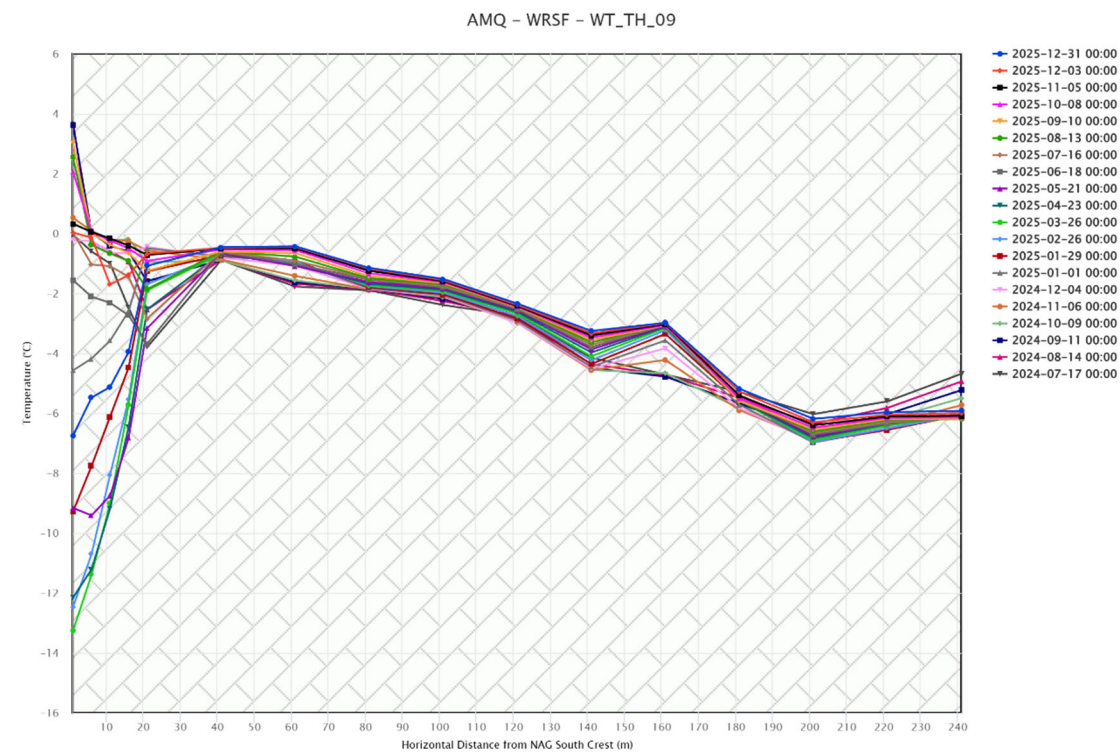
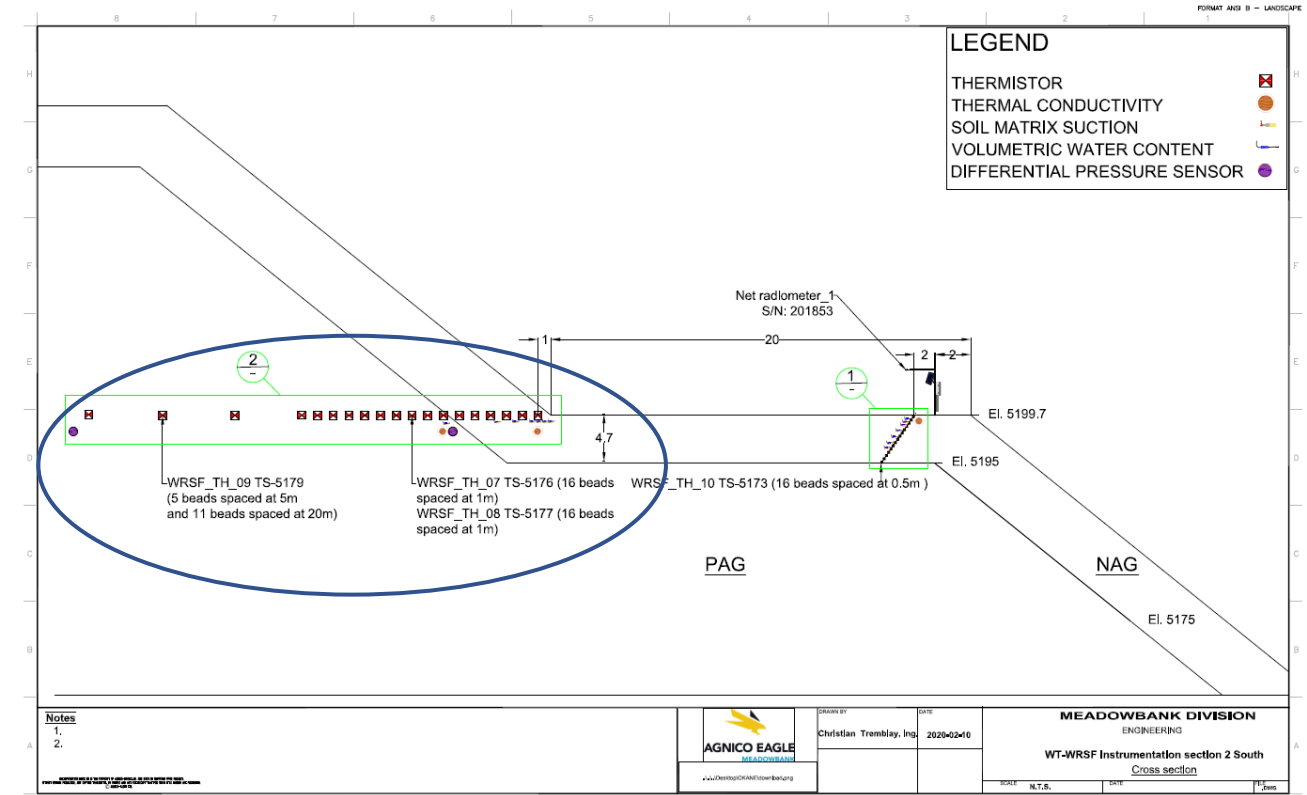
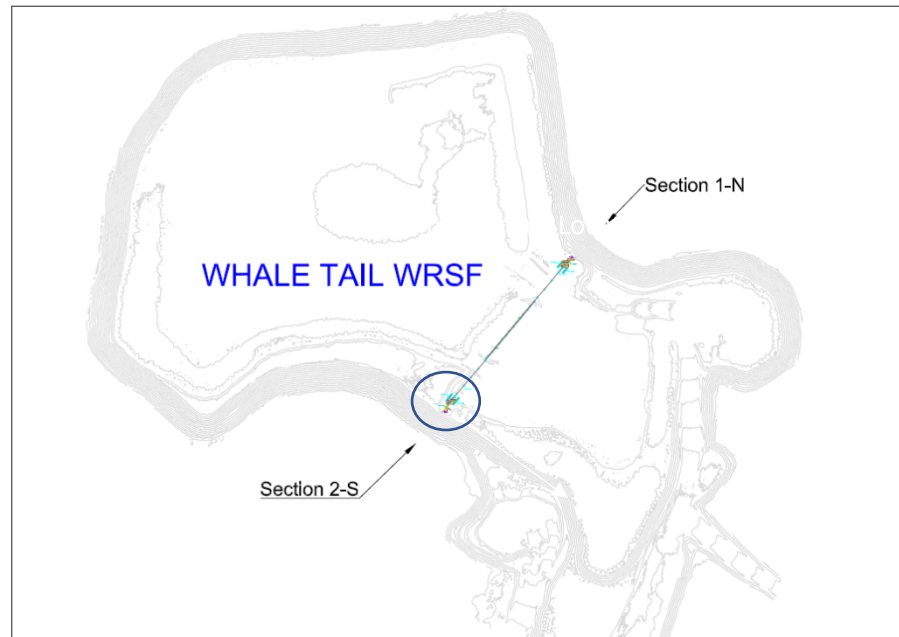


Notes 1. 2.	AGNICO EAGLE www.agnicoeagle.com	Drawn by Christian Tremblay, Inc.	DATE 2020-02-10	MEADOWBANK DIVISION ENGINEERING WT-WRSF Instrumentation section 2 South Cross section
		SCALE N.T.S.	DATE	



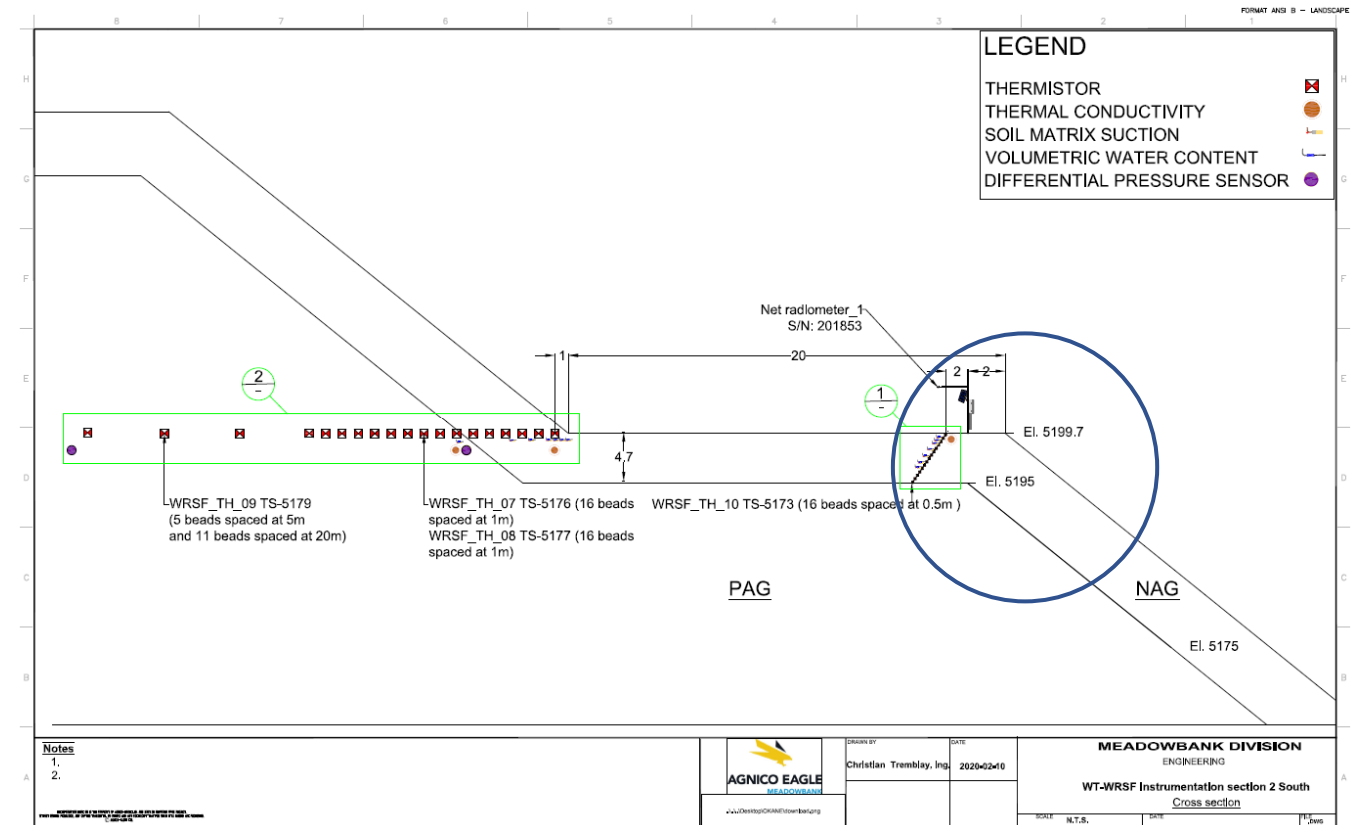
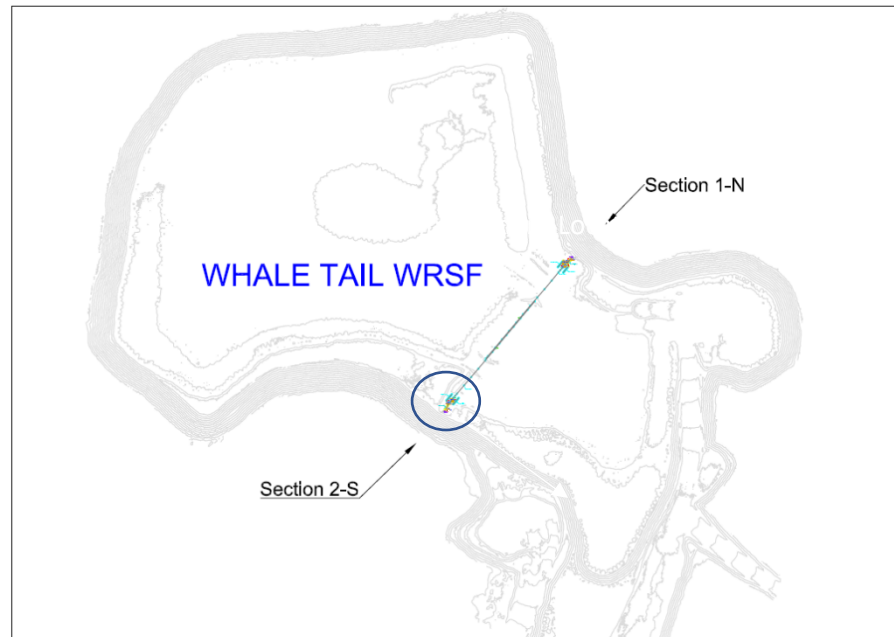
This instrument is installed horizontally and chart needs to be read accordingly

WT WRSF TH09

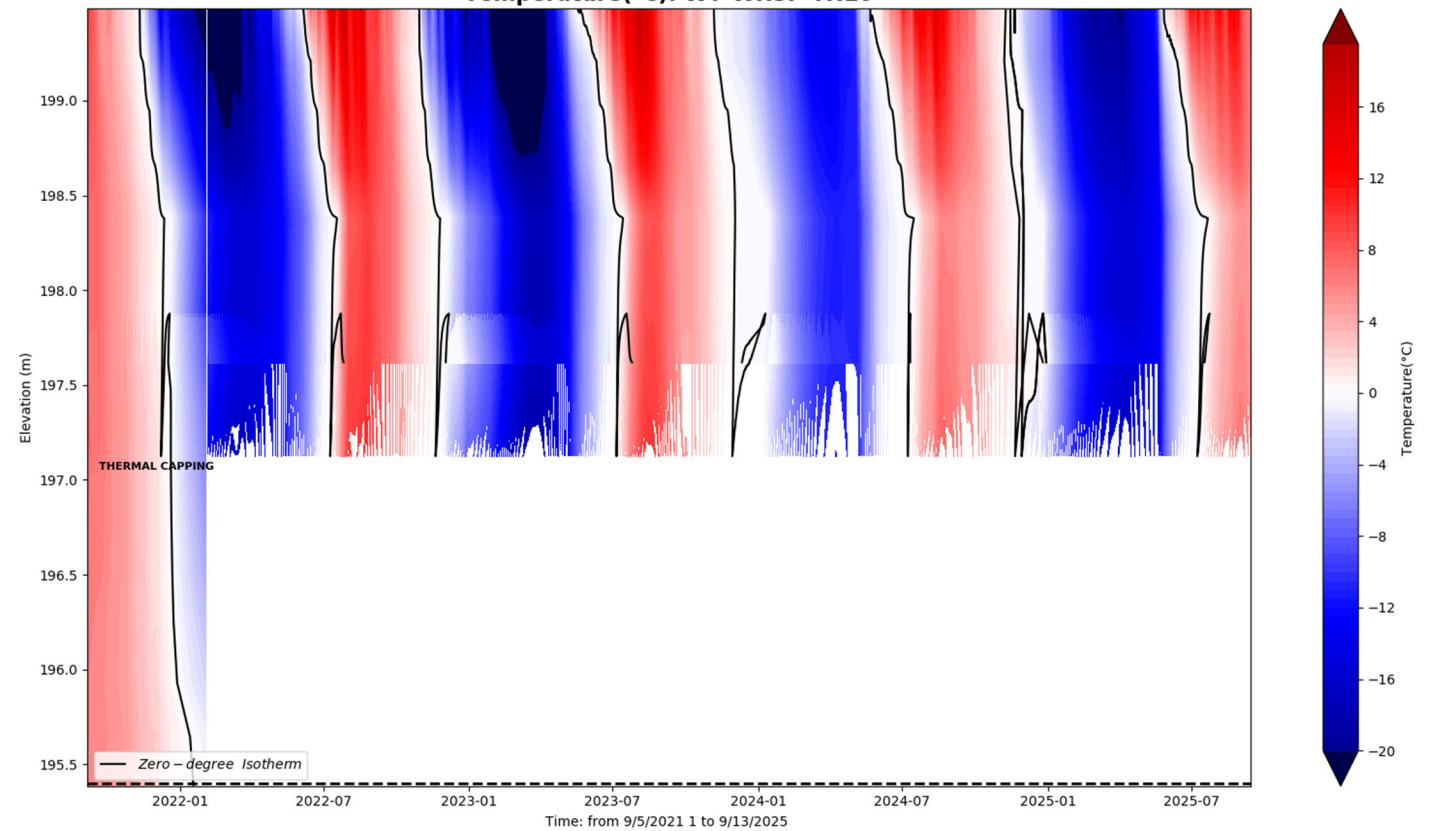
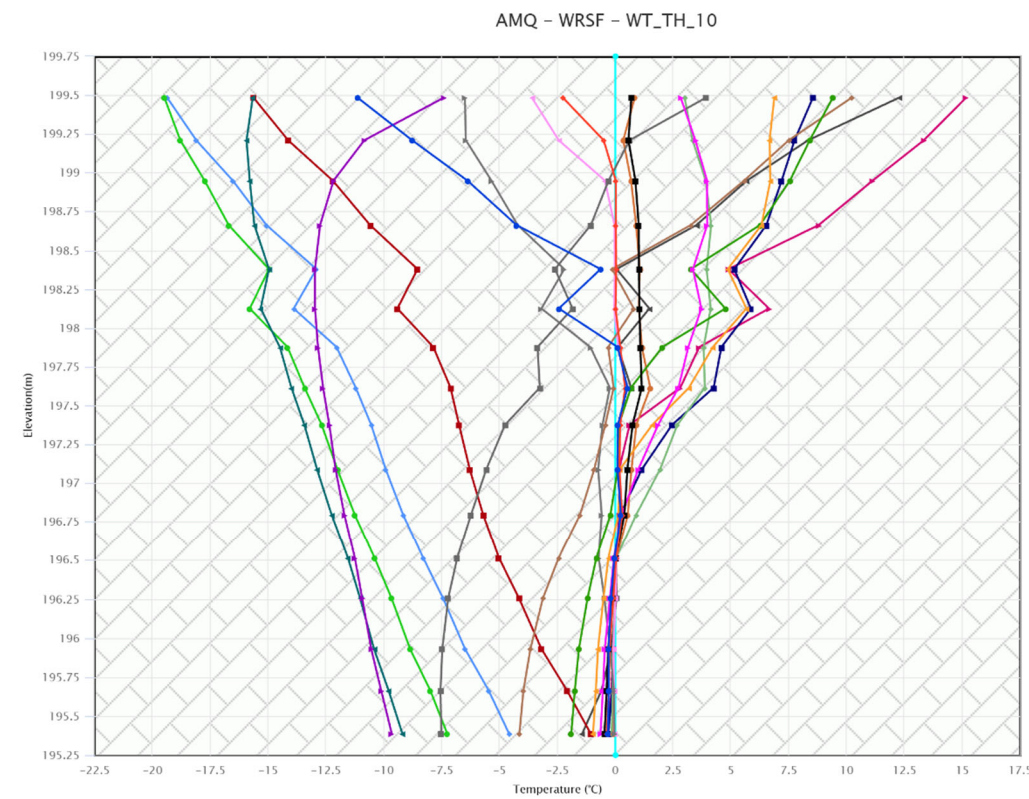


This instrument is installed horizontally and chart needs to be read accordingly

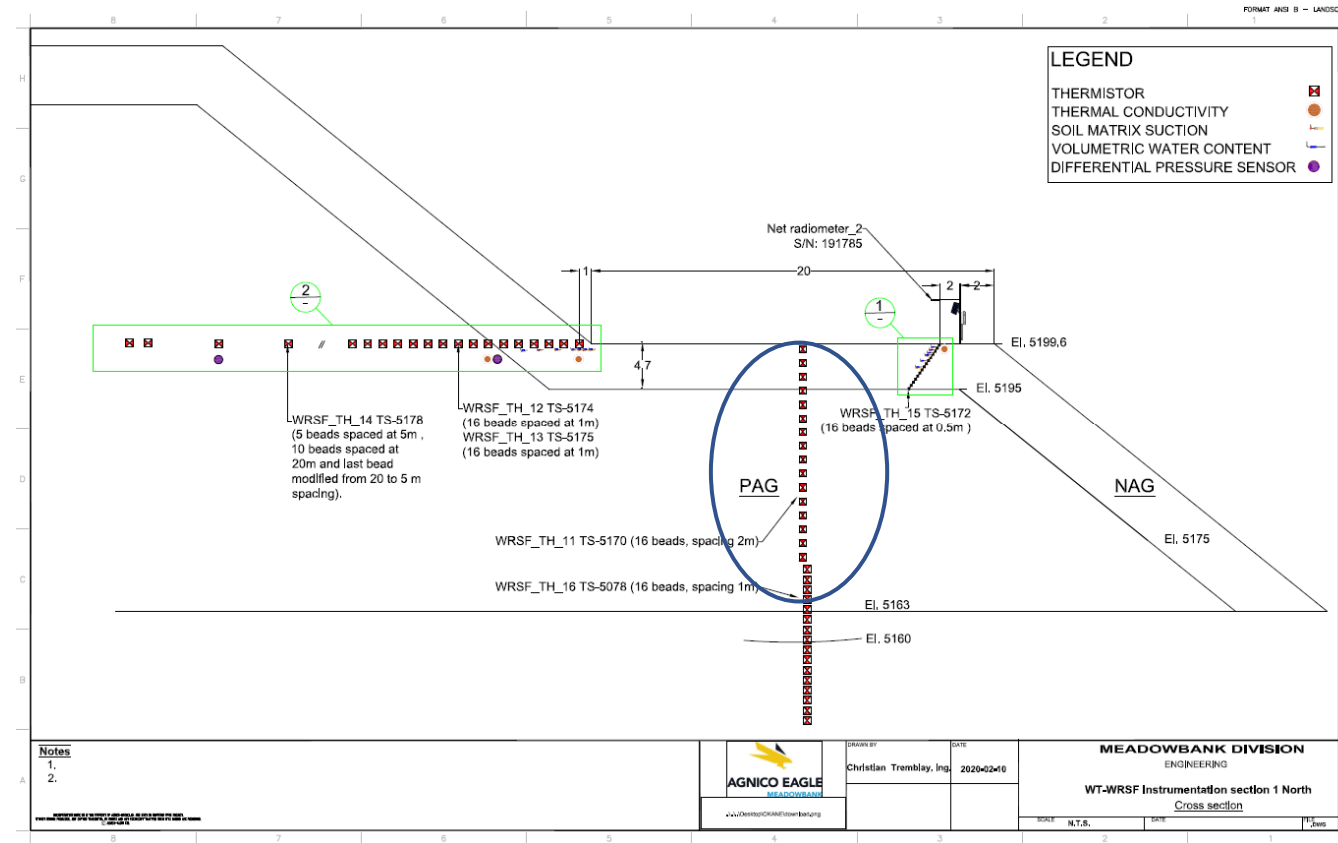
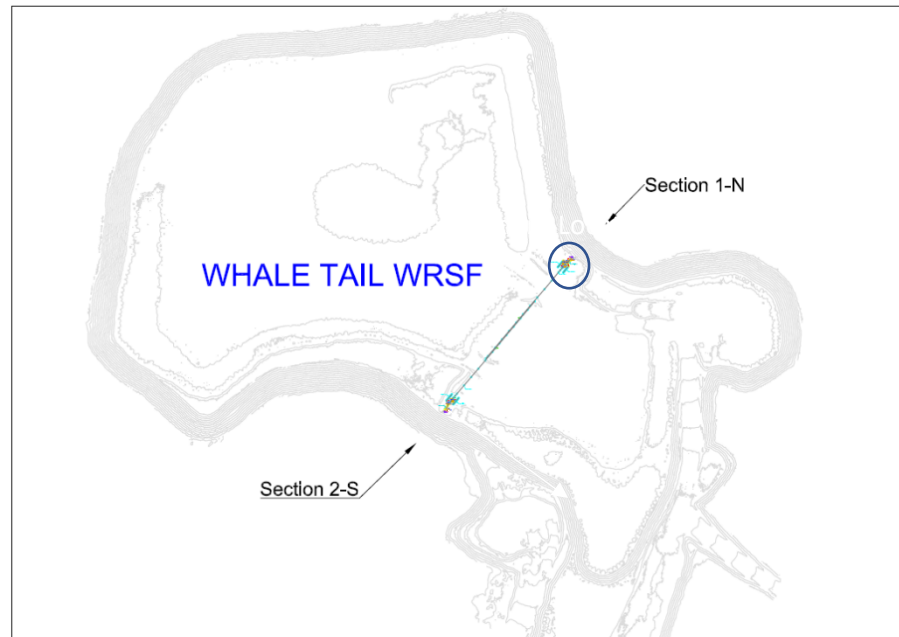
WT WRSF TH10



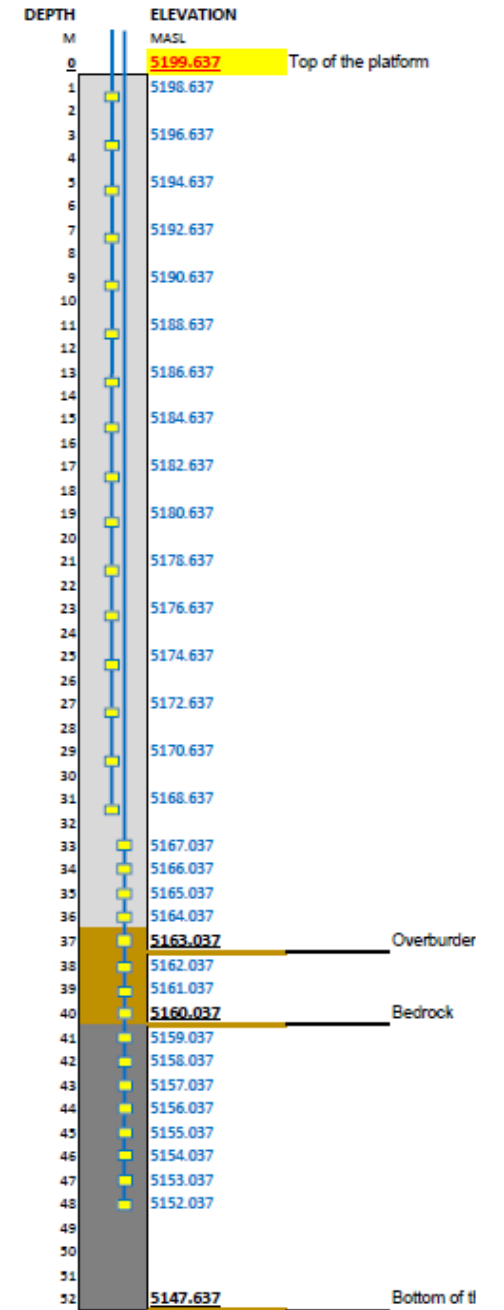
Temperature(°C): WT-WRSF-TH10



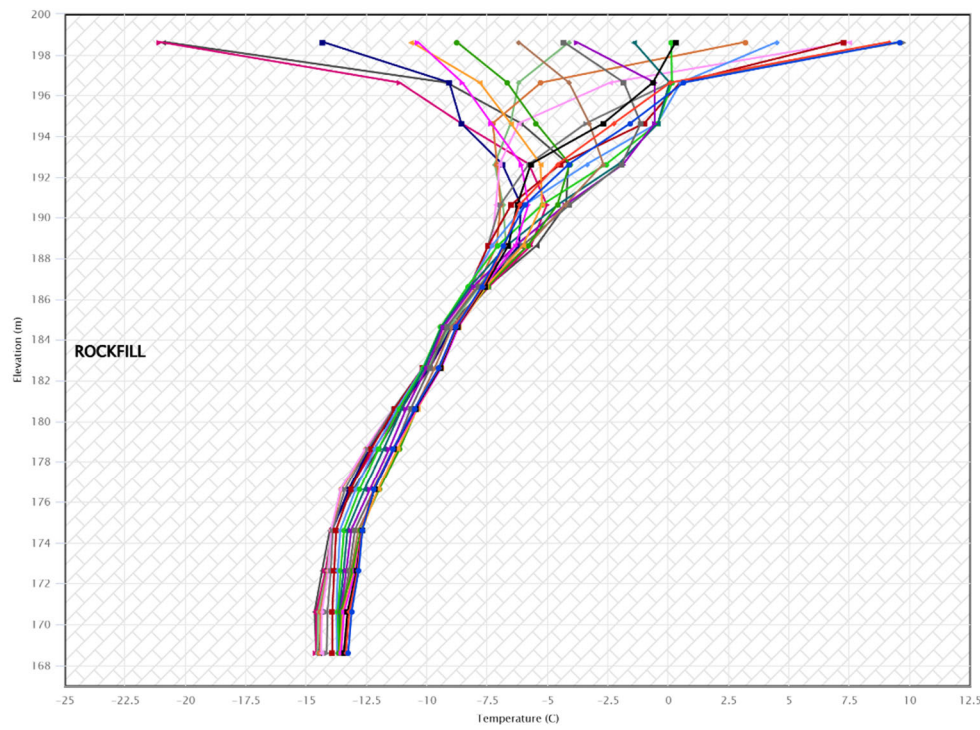
WT WRSF TH11



TH-11 & TH-16	
String #:	RST 5170 & 5078
Drill Hole Coordinates	
Northing	8479.2480
Easting	14259.1830
Elevation	5199.637

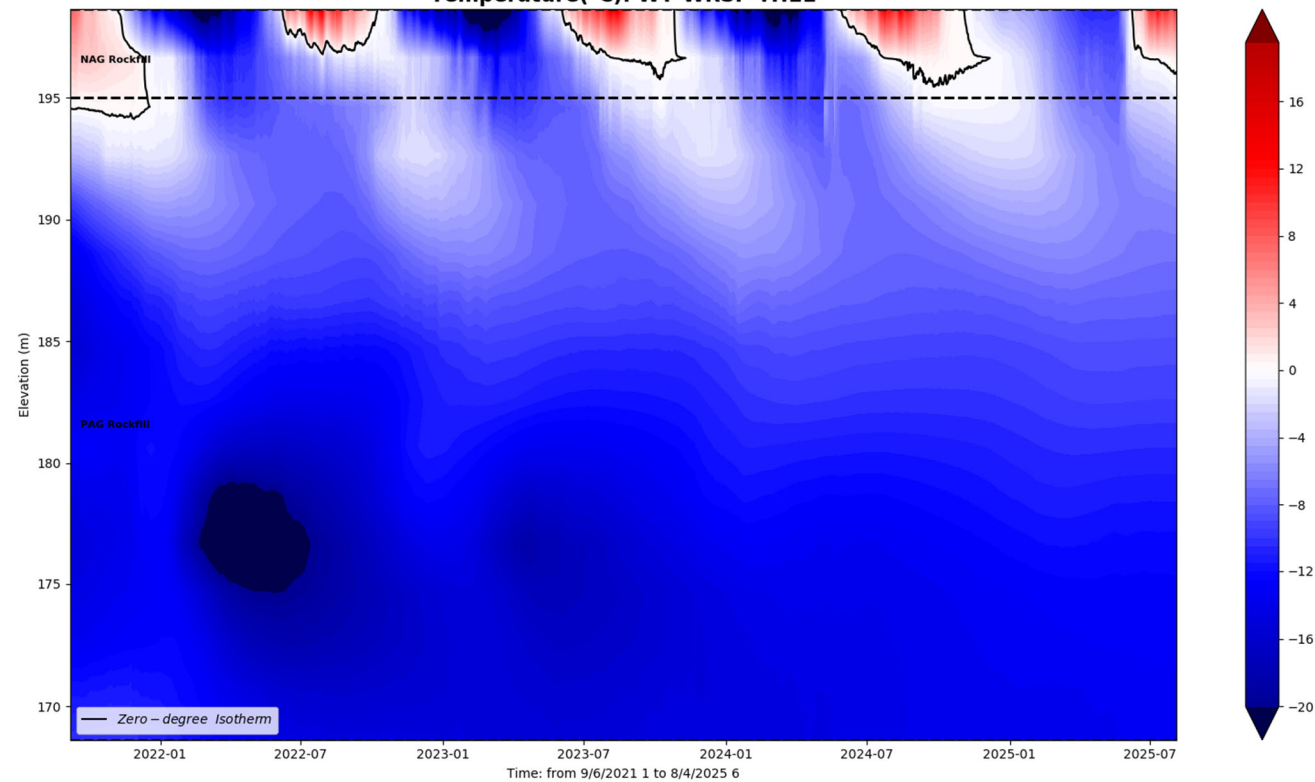


AMQ - WRSF - WT_TH_11

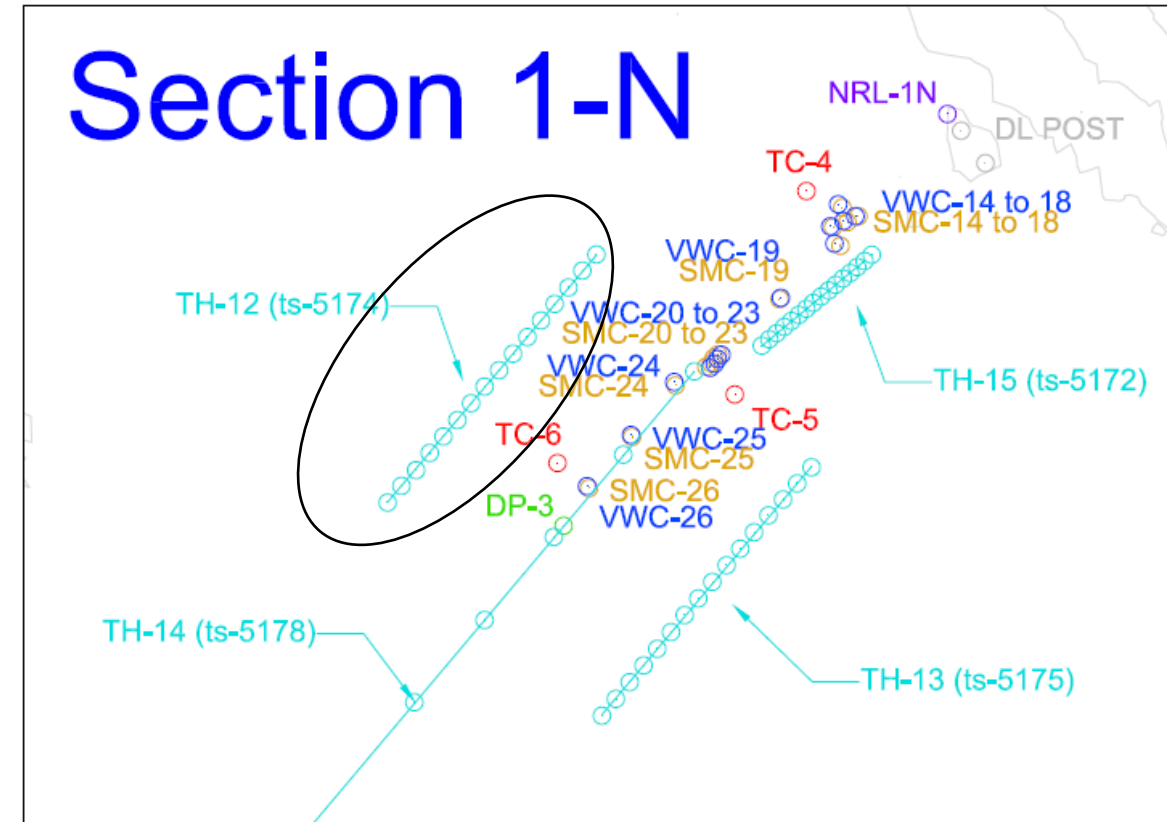
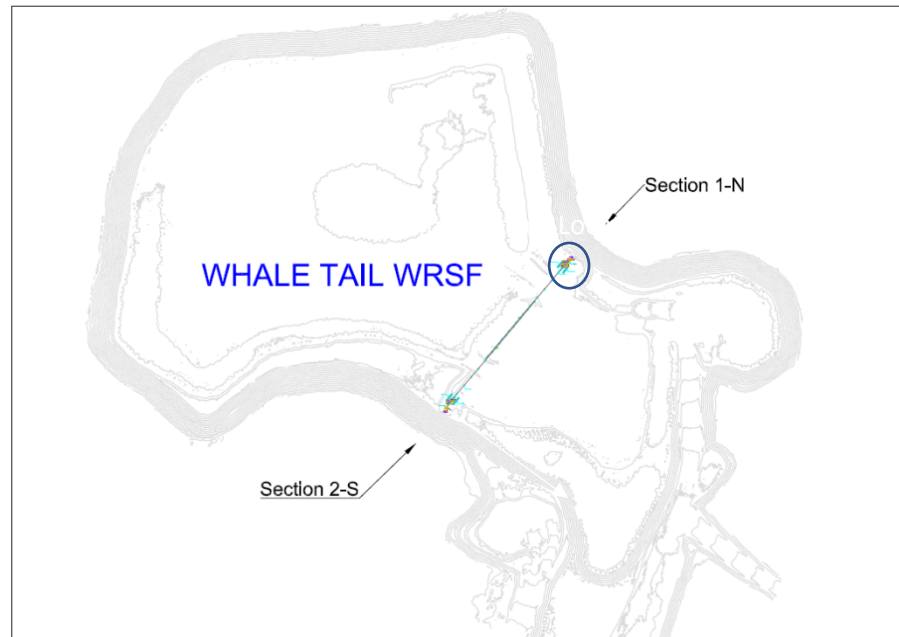


- 2025-08-04 06:00
- 2025-07-07 06:00
- 2025-06-09 06:00
- 2025-05-12 06:00
- 2025-04-14 06:00
- 2025-03-17 12:00
- 2025-02-17 12:00
- 2025-01-20 12:00
- 2024-12-23 06:00
- 2024-11-25 06:00
- 2024-10-28 06:00
- 2024-09-30 06:00
- 2024-09-02 06:00
- 2024-08-05 06:00
- 2024-07-08 06:00
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- 2024-04-15 06:00
- 2024-03-18 06:00
- 2024-02-19 06:00

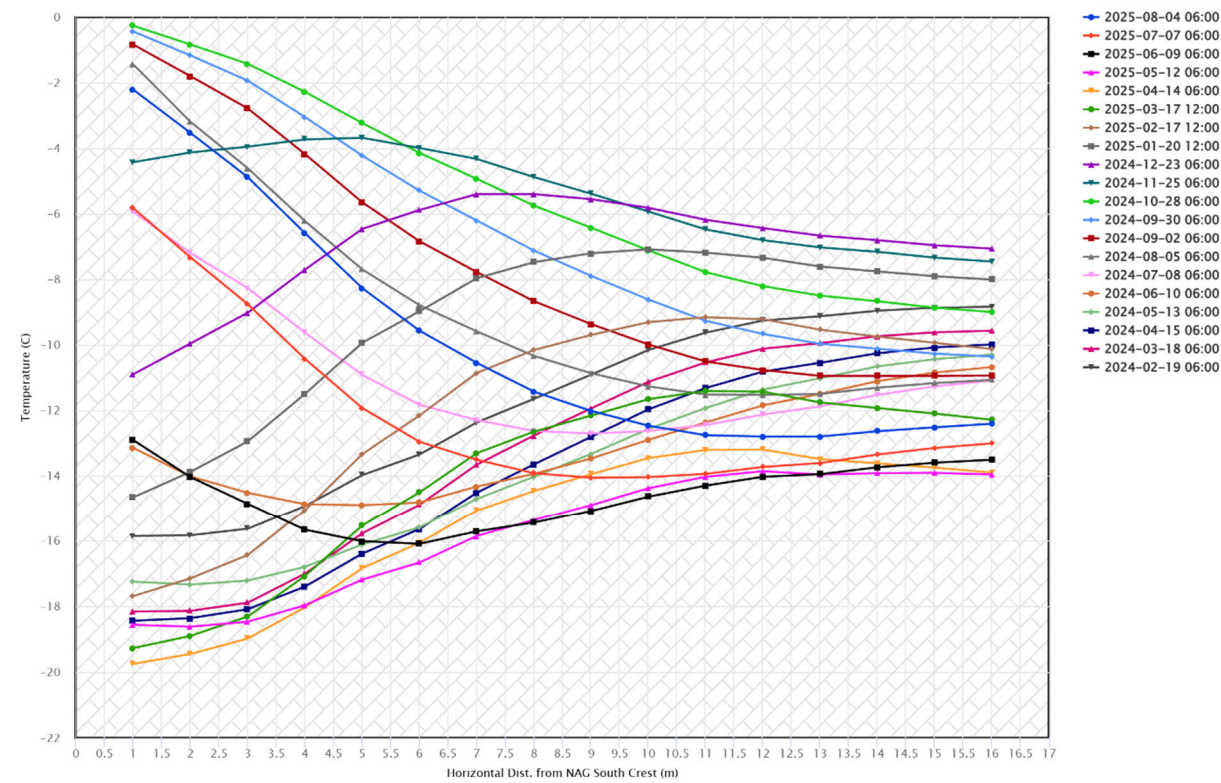
Temperature(°C): WT-WRSF-TH11



WT WRSF TH12

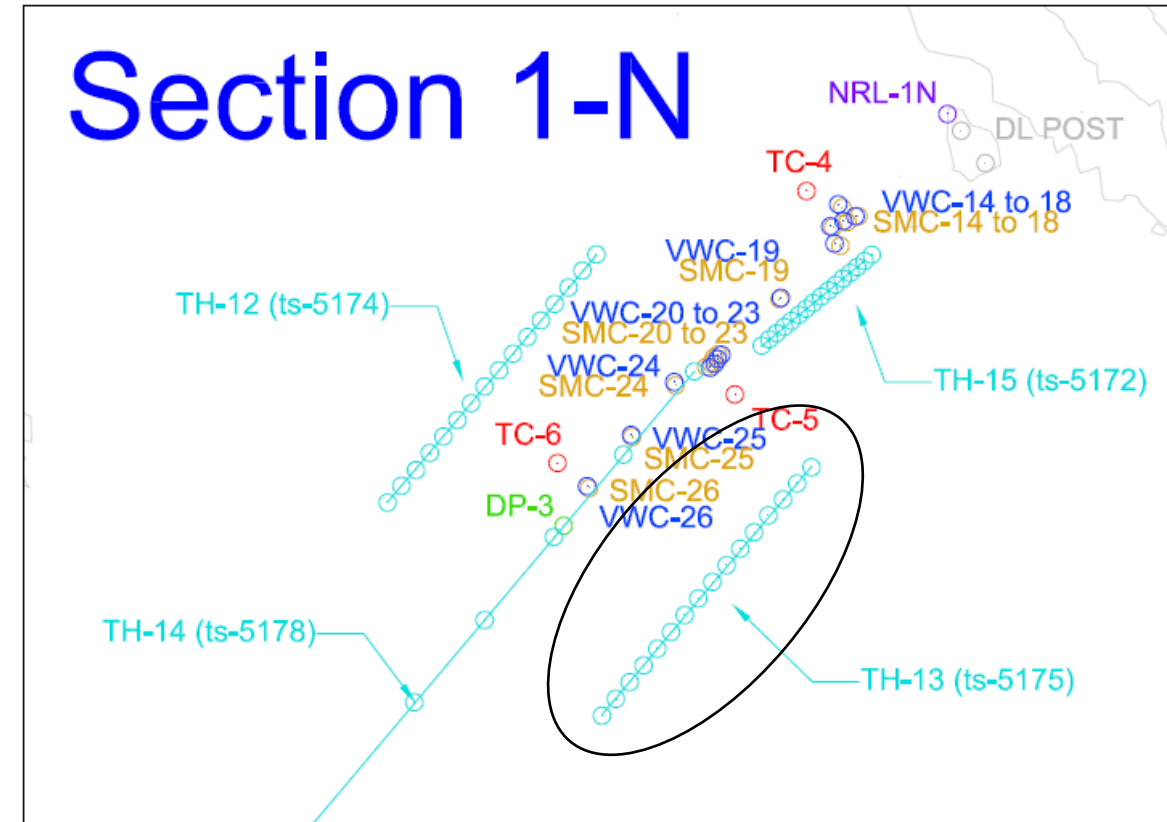
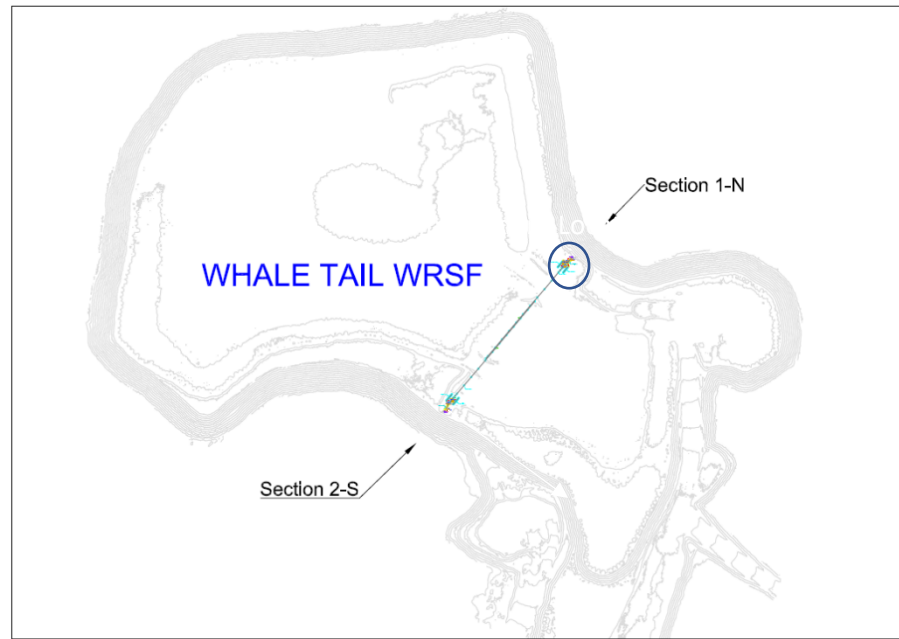


AMQ - WRSF - WT_TH_12

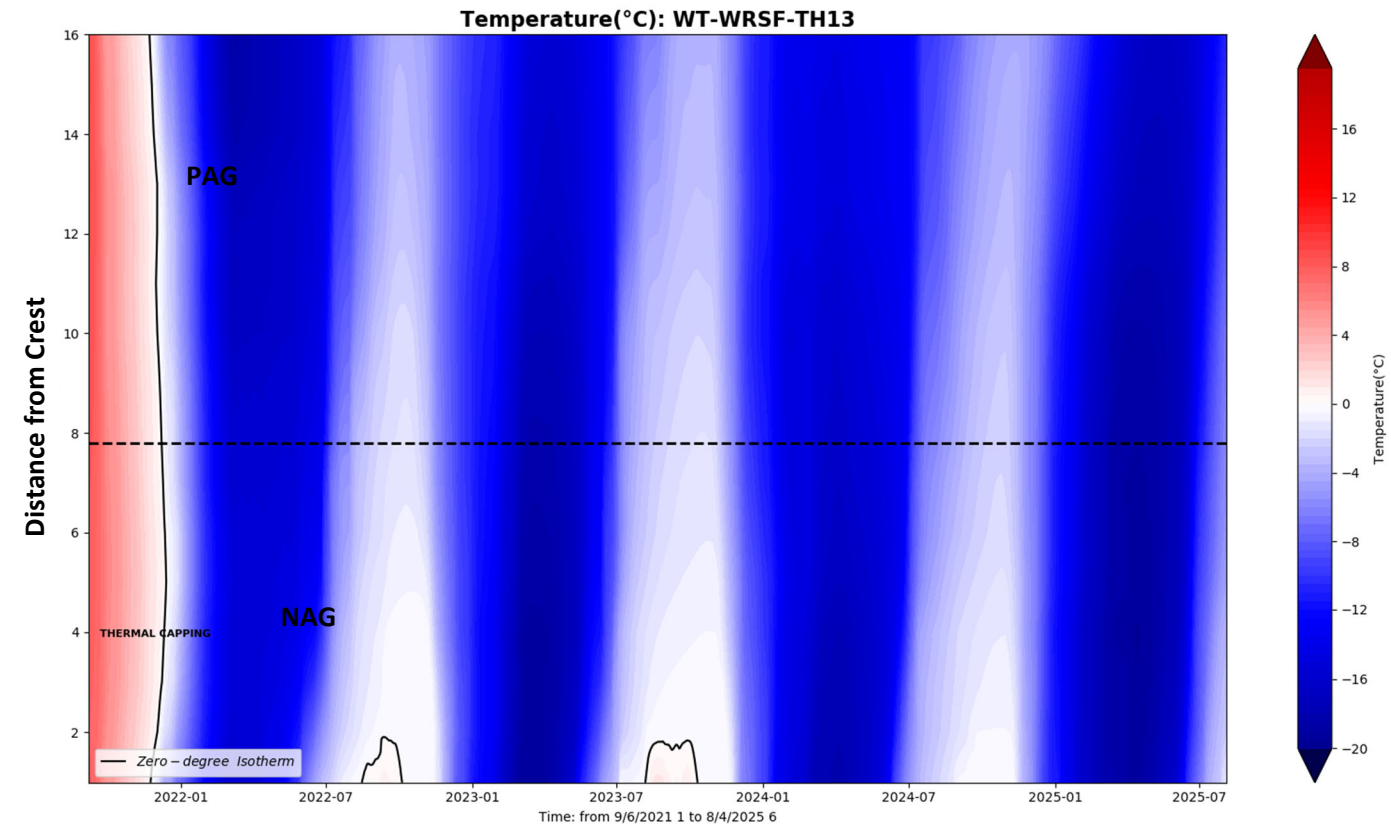
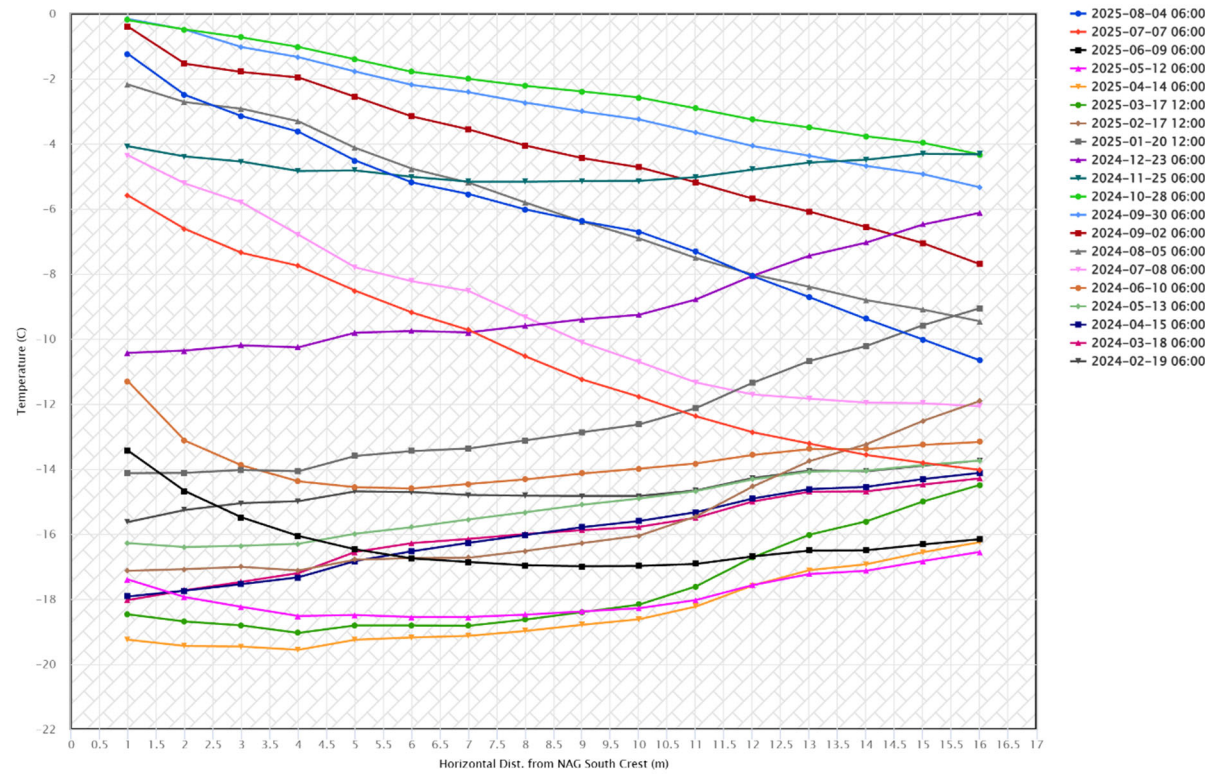


This instrument is installed horizontally and chart needs to be read accordingly

WT WRSF TH13

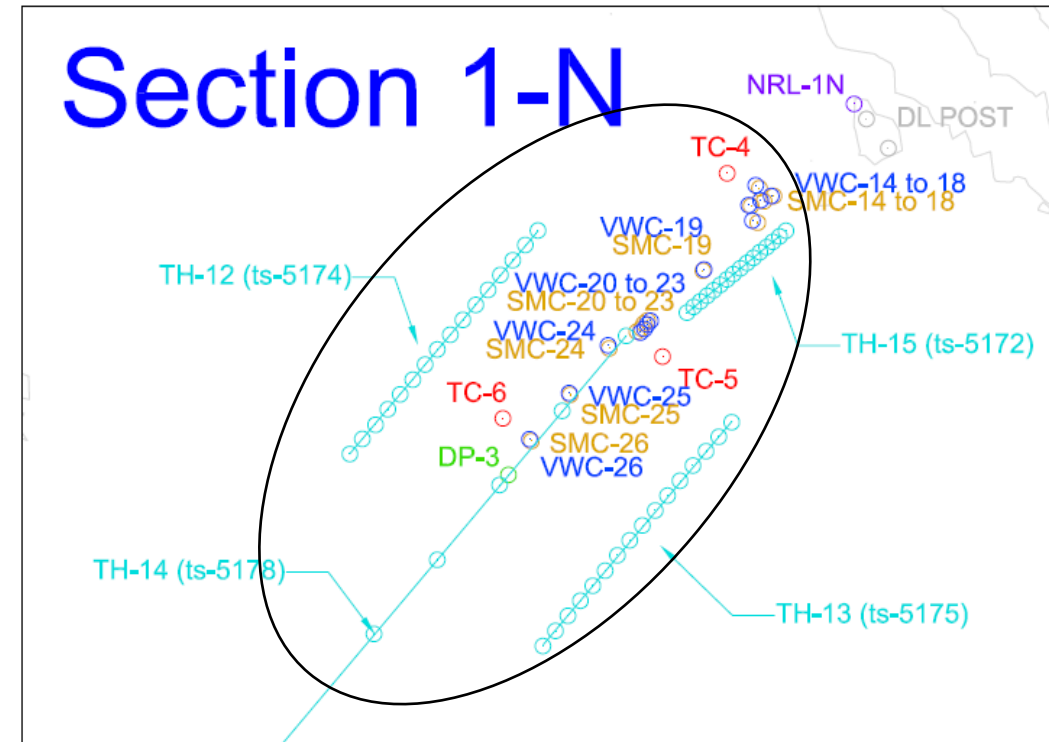
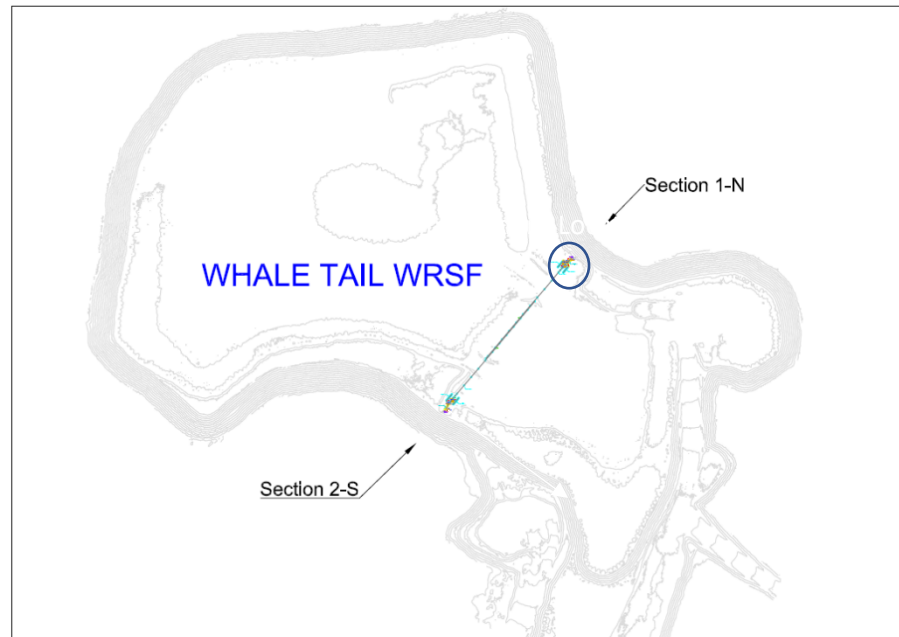


AMQ - WRSF - WT_TH_13

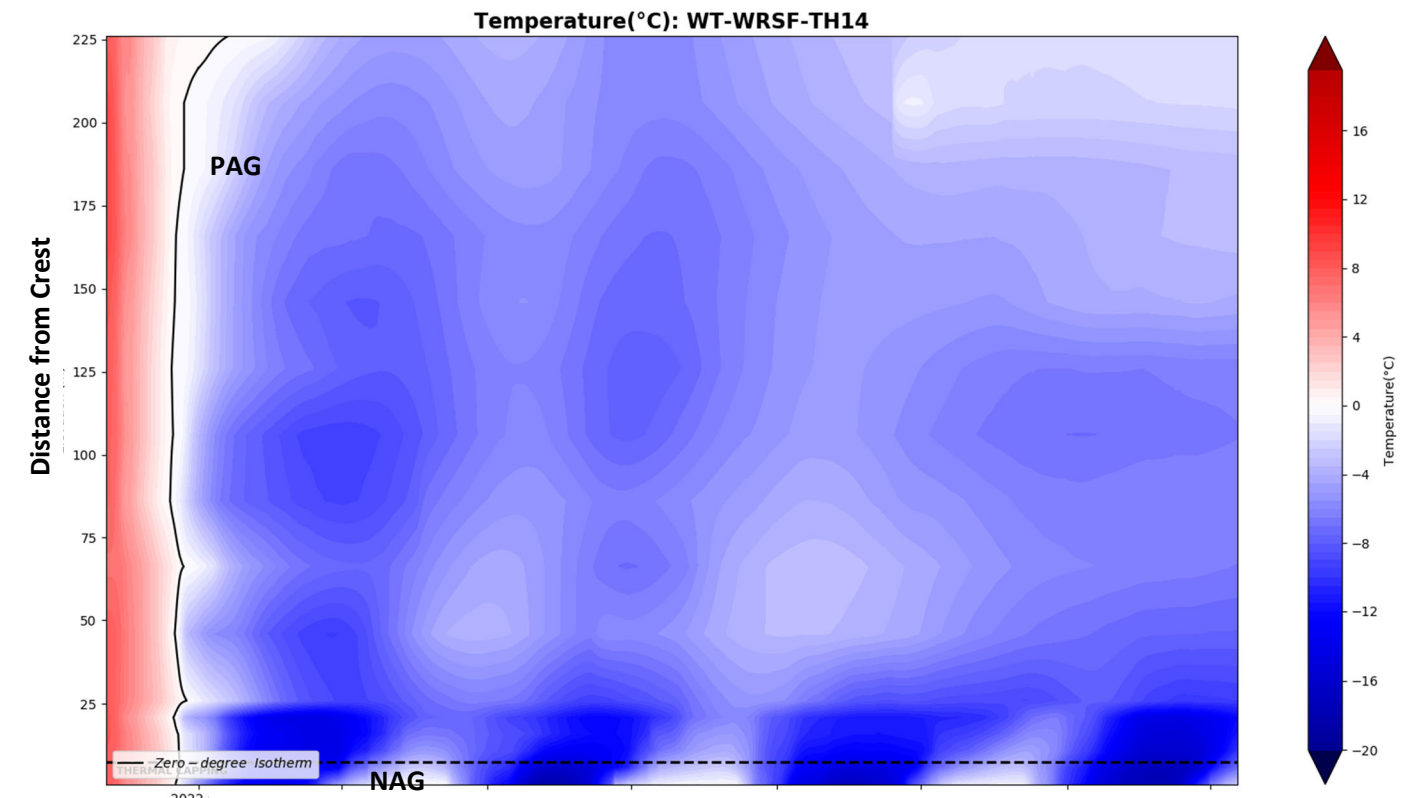
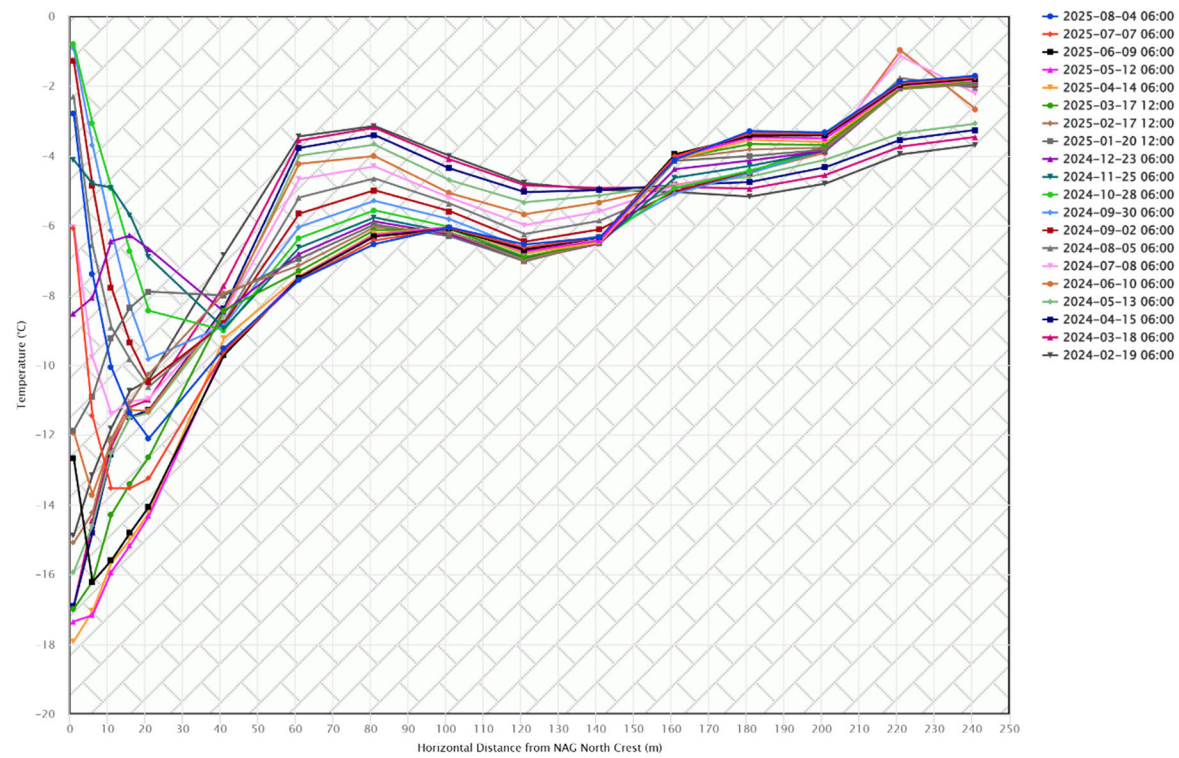


This instrument is installed horizontally and chart needs to be read accordingly

WT WRSF TH14

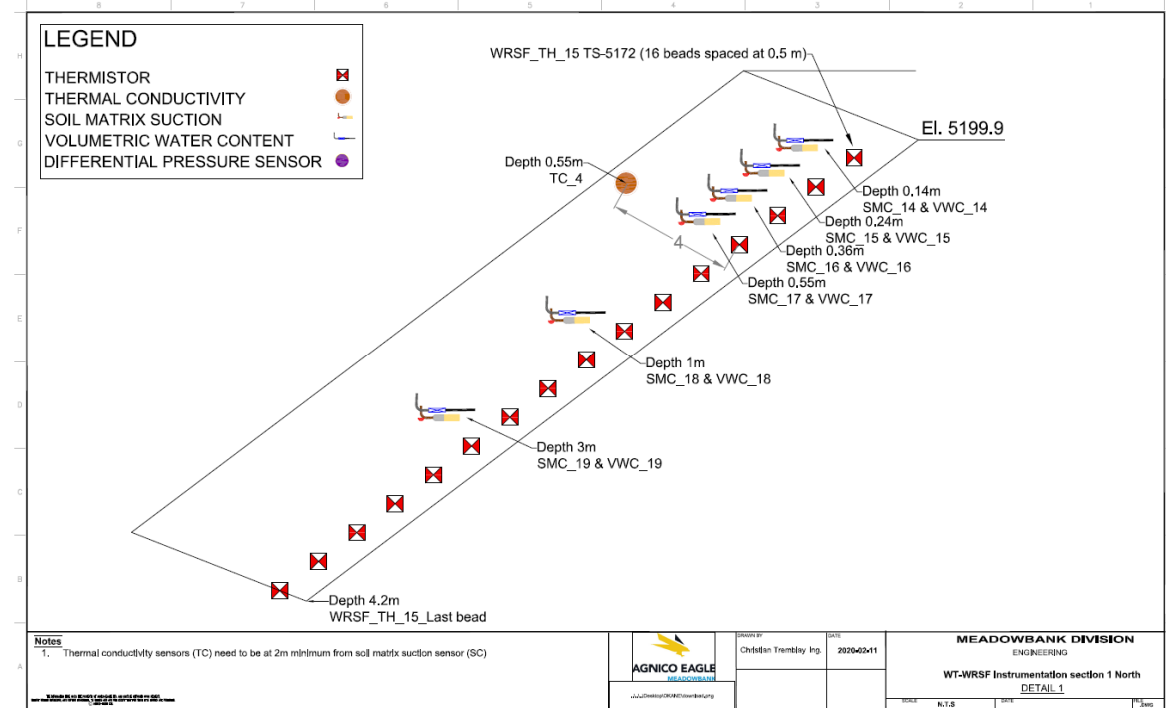
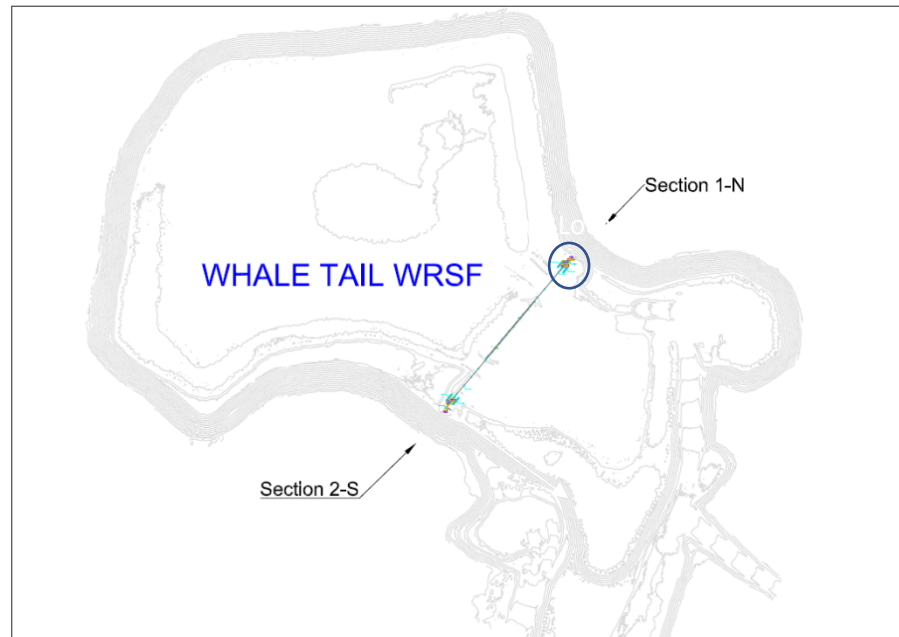


AMQ - WRSF - WT_TH_14

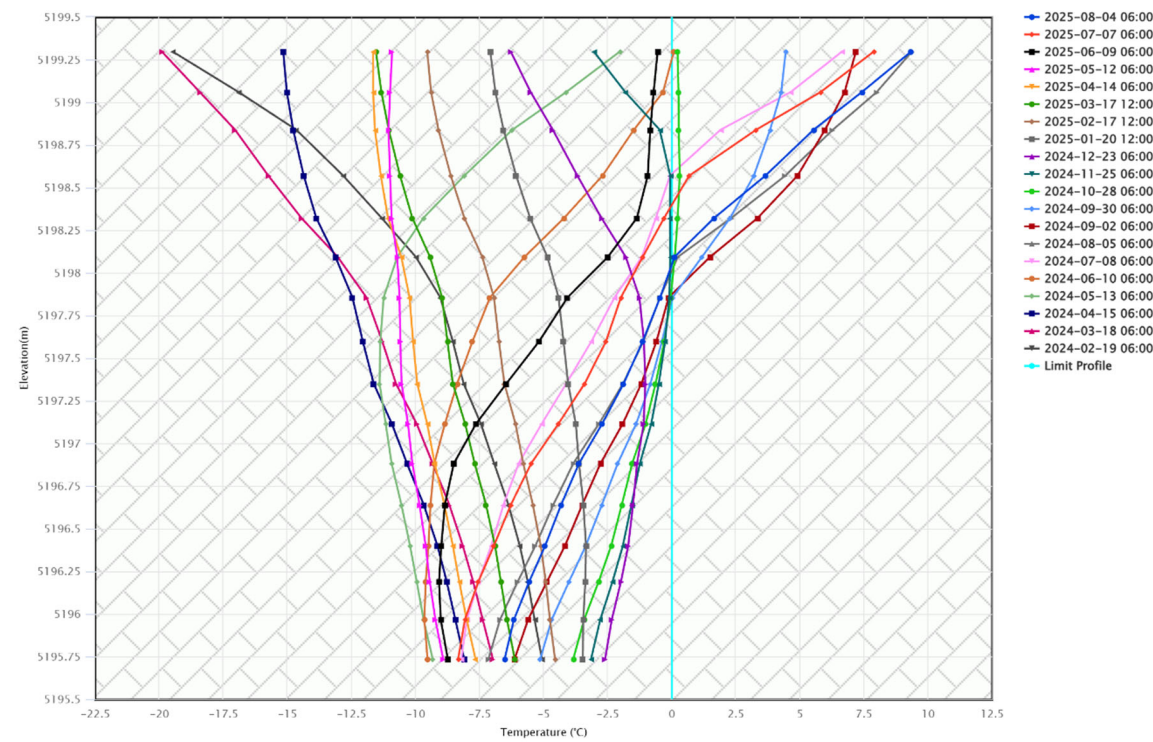


This instrument is installed horizontally and chart needs to be read accordingly

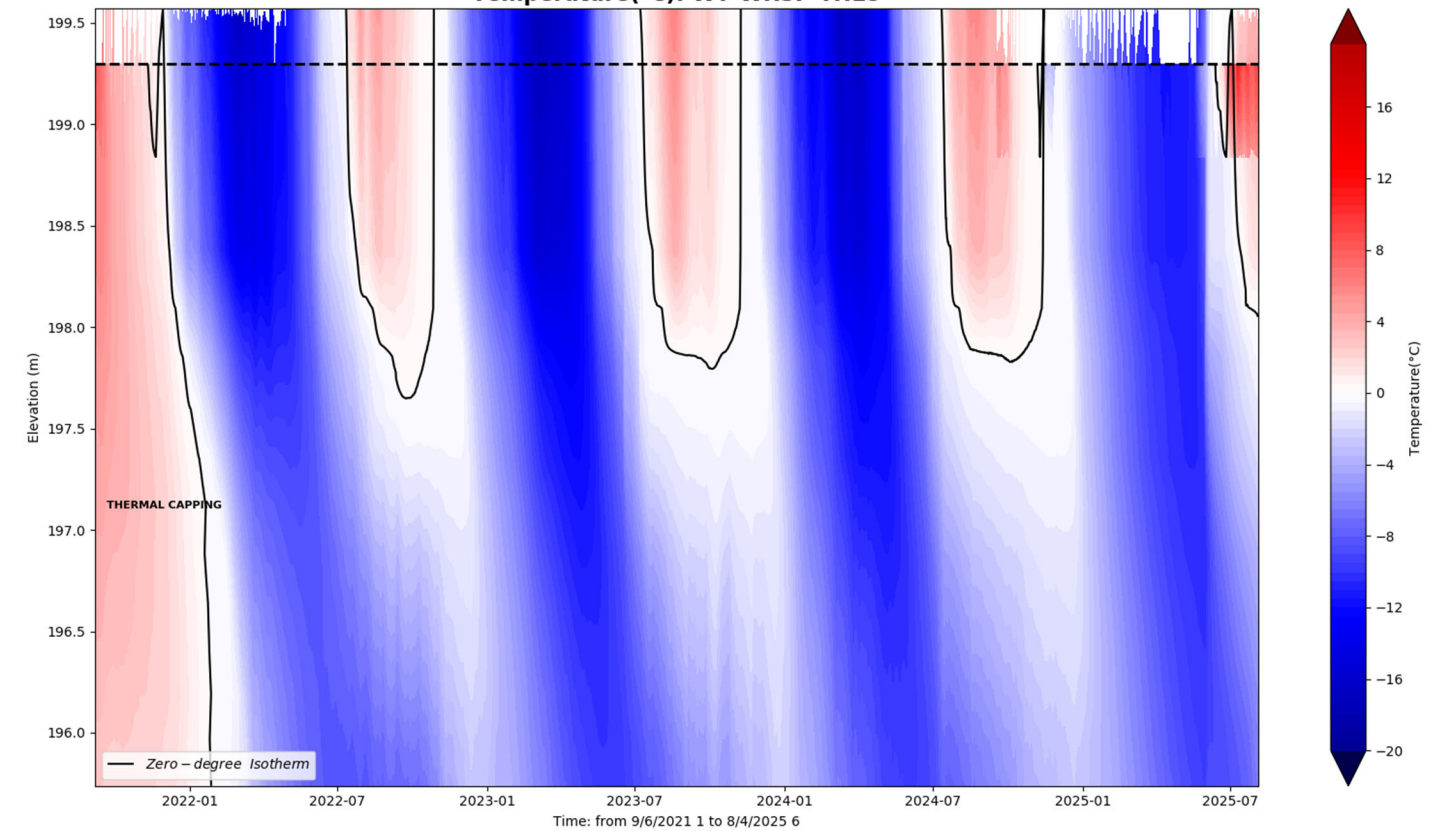
WT WRSF TH15



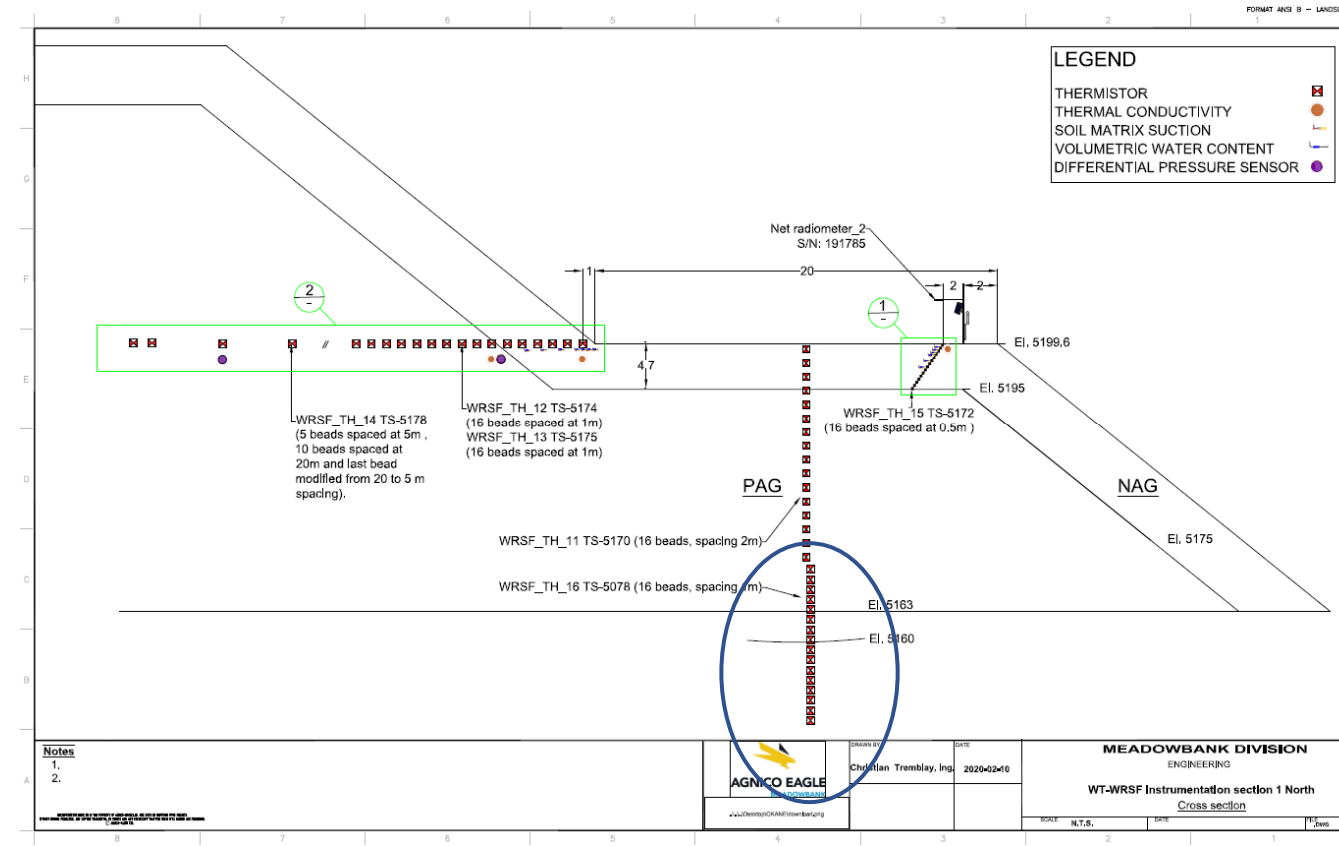
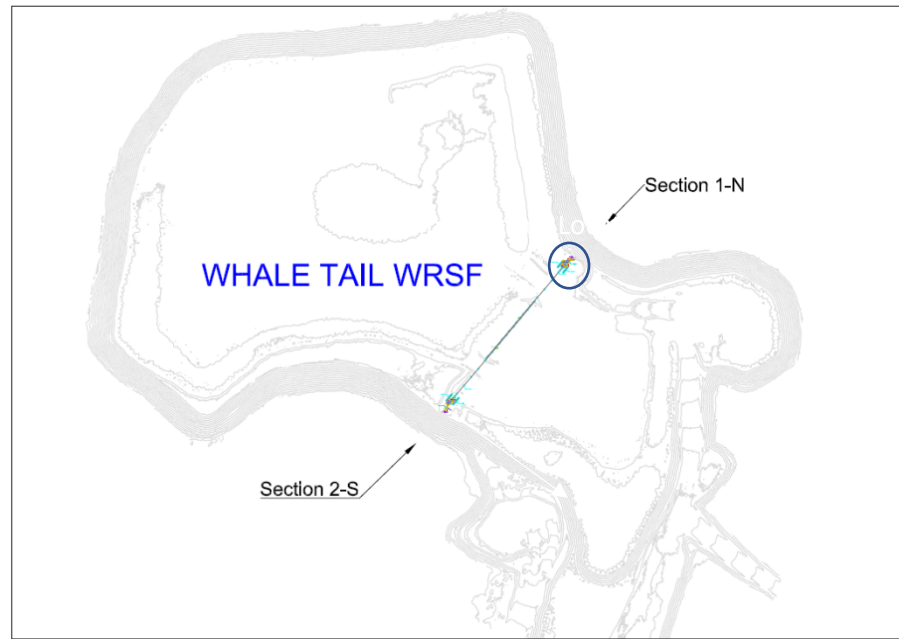
AMQ - WRSF - WT_TH_15



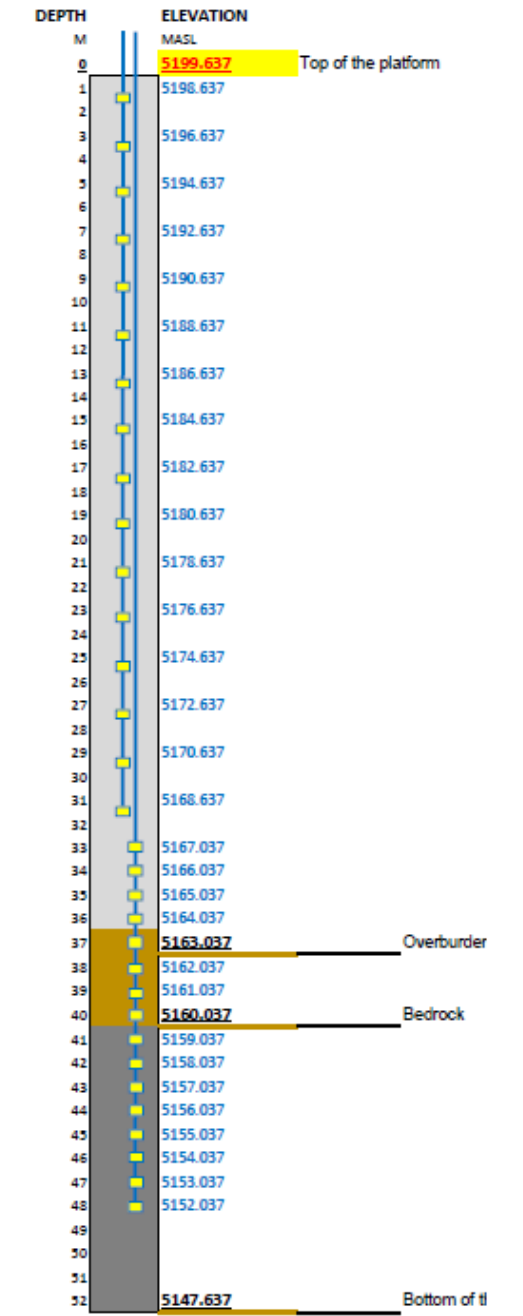
Temperature(°C): WT-WRSF-TH15



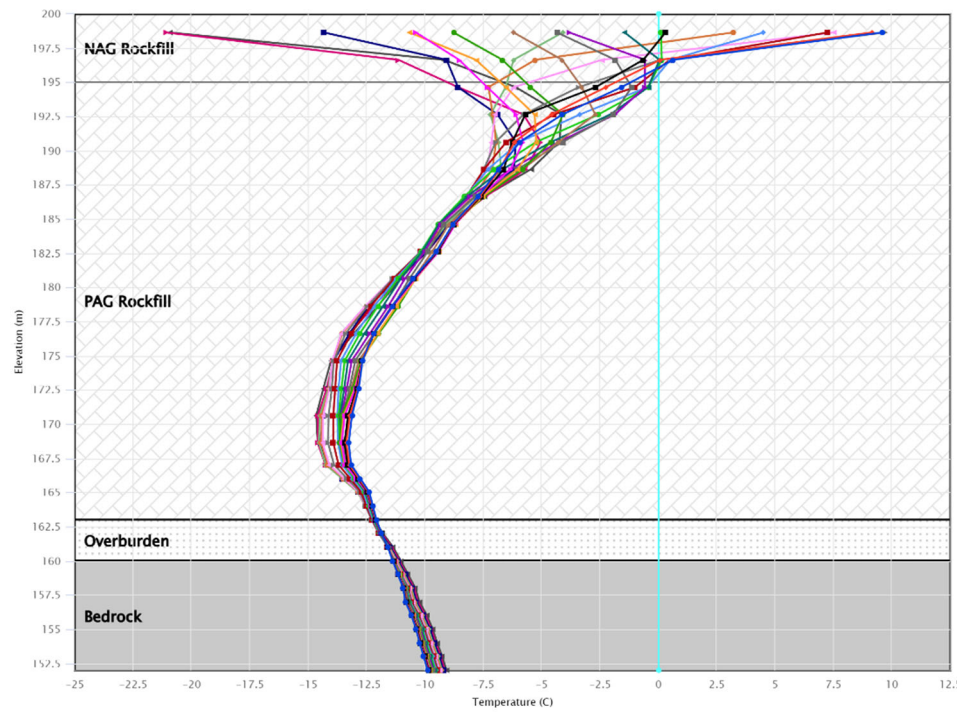
WT WRSF TH16



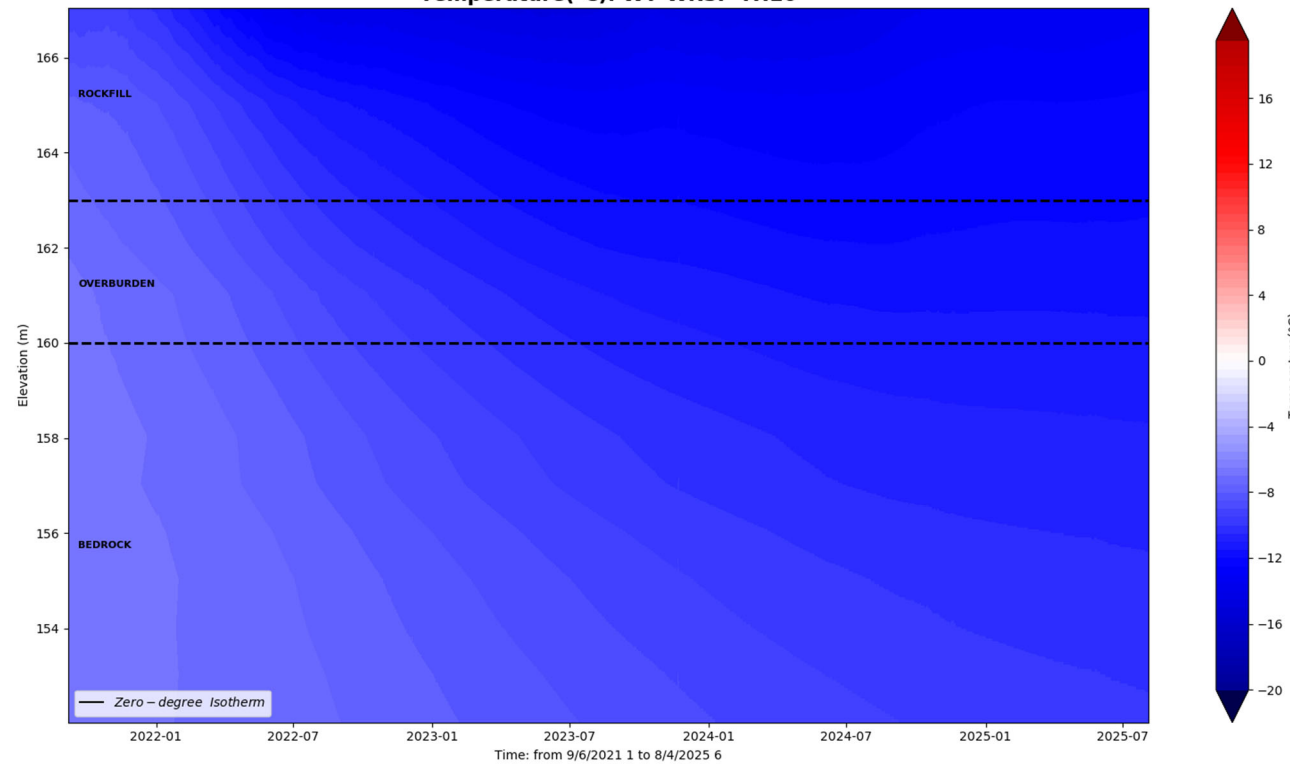
TH-11 & TH-16	
String #:	RST 5170 & 5078
Drill Hole Coordinates	
Northing	8479.2480
Easting	14259.1830
Elevation	5199.637



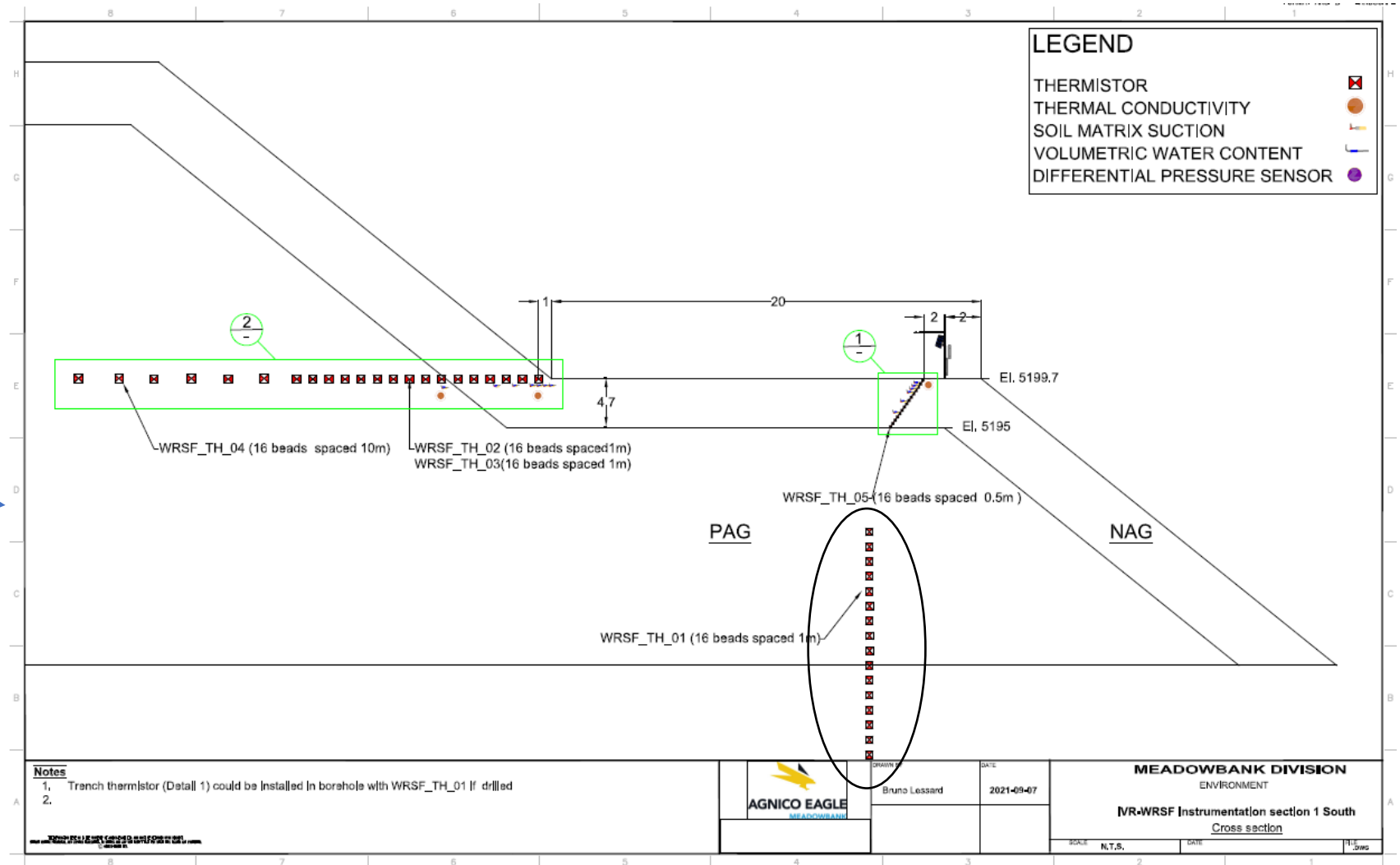
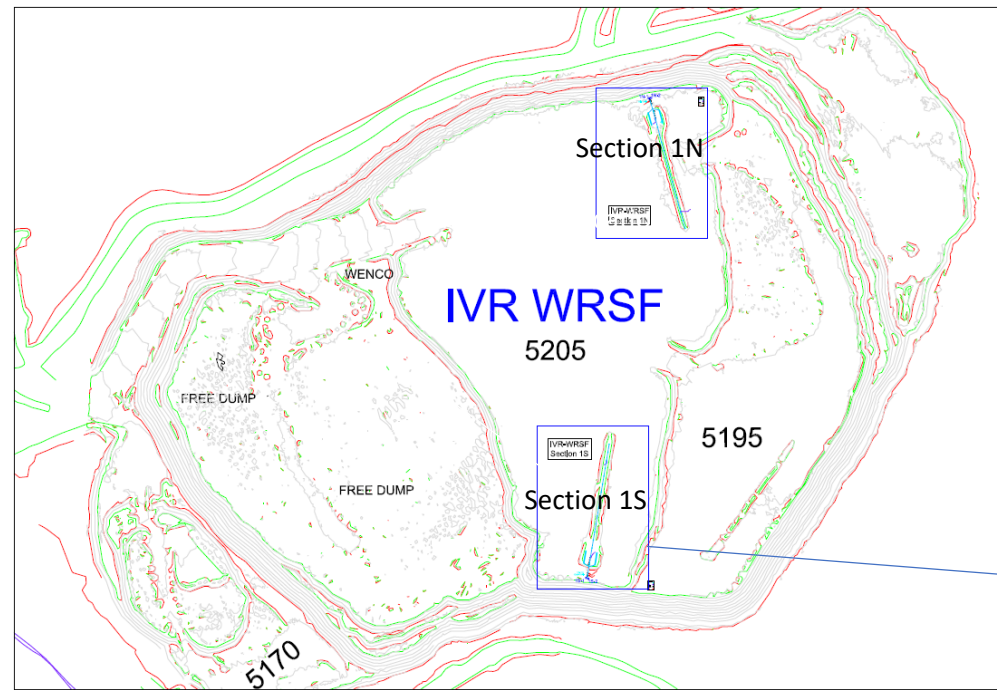
AMQ - WRSF - WT_1N Vertical TH_11 & 16



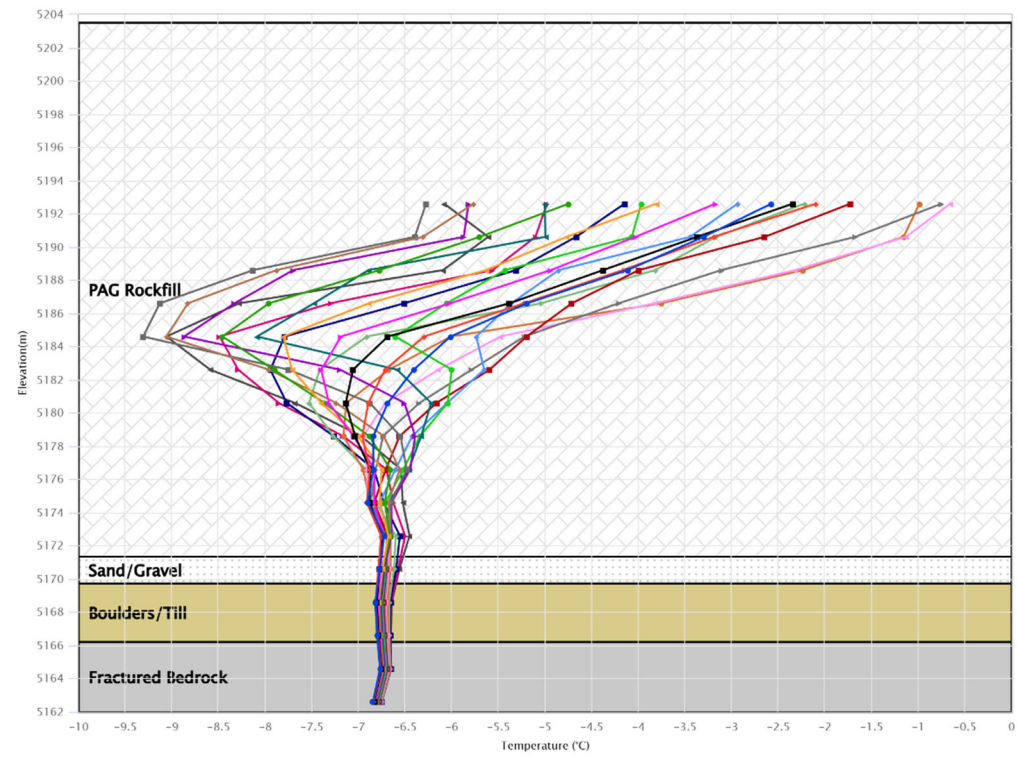
Temperature(°C): WT-WRSF-TH16



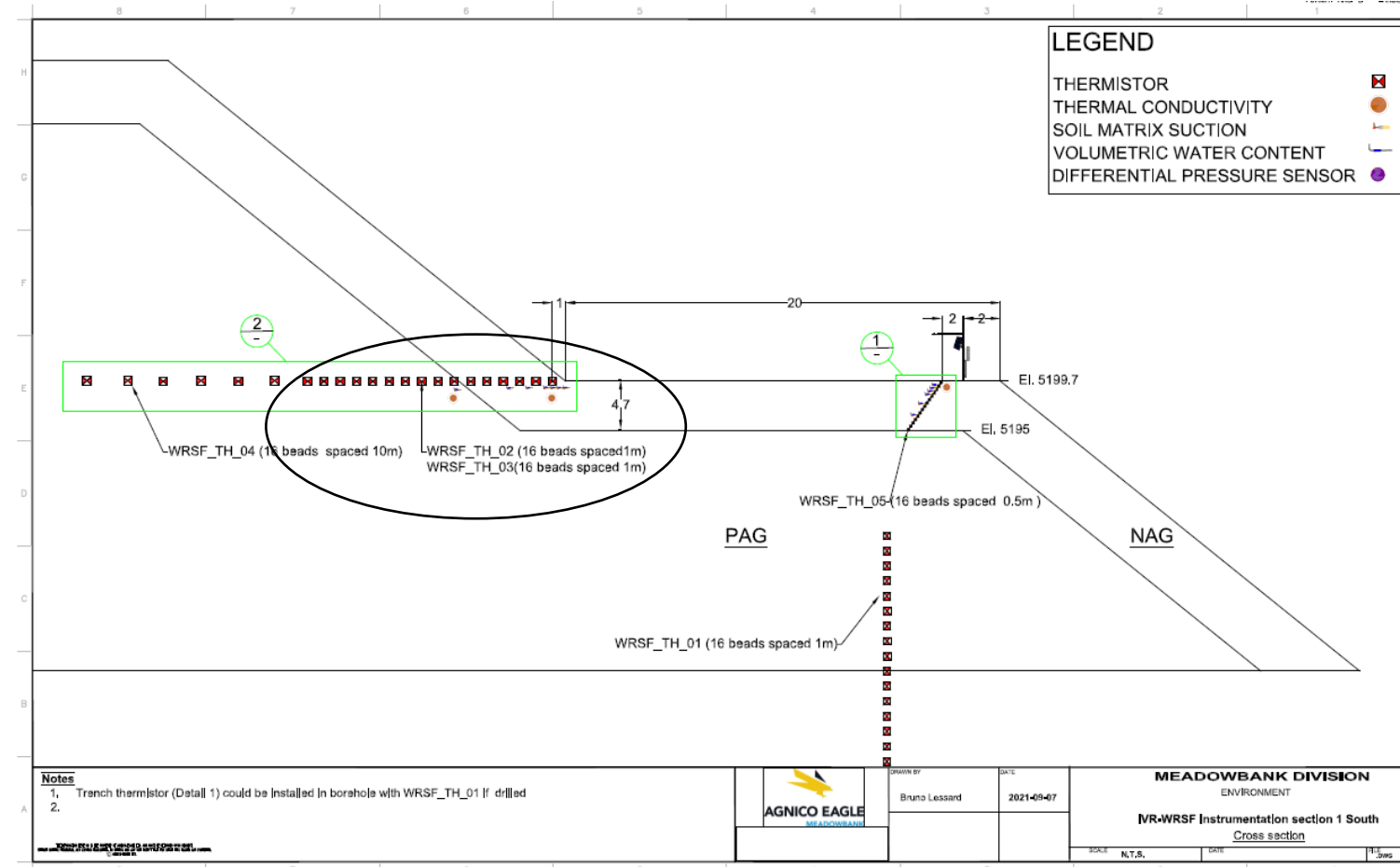
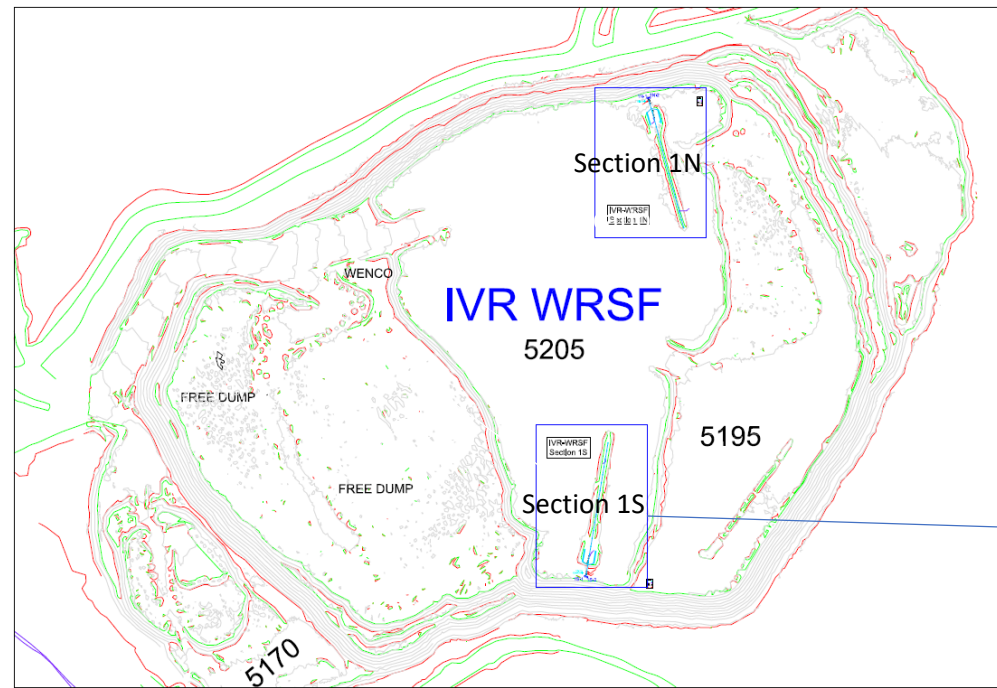
IVR WRSF TH01



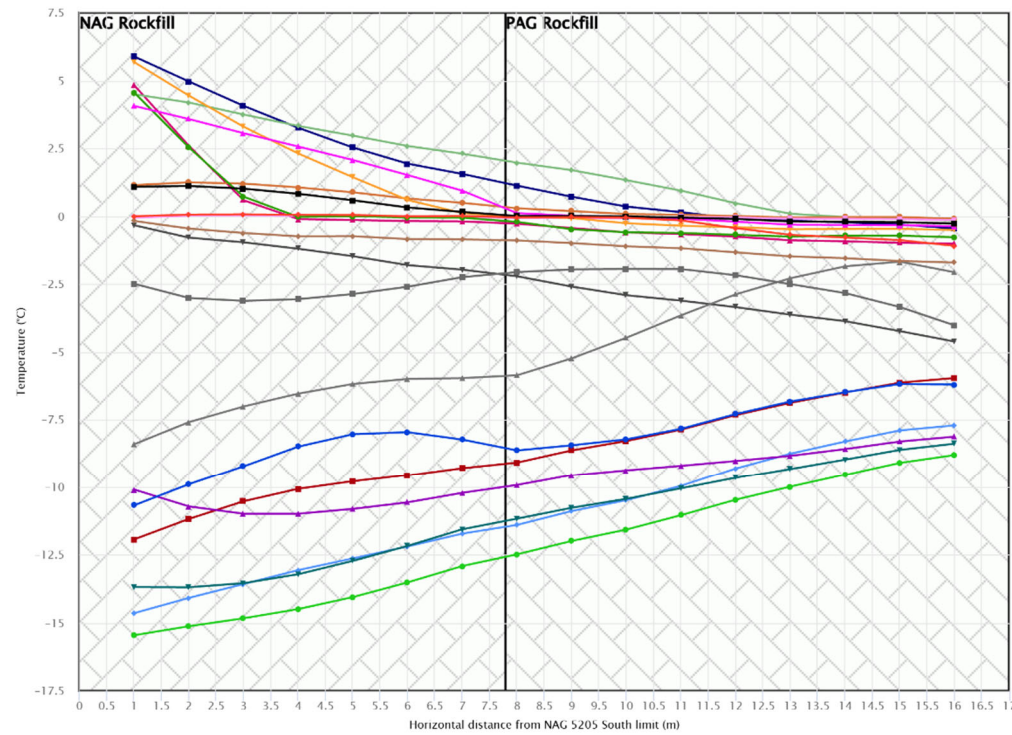
AMQ - WRSF - IVR_TH_01



IVR WRSF TH02



AMQ – WRSF – IVR_TH_02
Horizontal thermistor South



- 2025-12-27 12:00
- 2025-11-29 12:00
- 2025-11-01 12:00
- 2025-10-04 12:00
- 2025-09-06 12:00
- 2025-08-09 12:00
- 2025-07-12 12:00
- 2025-06-14 12:00
- 2025-05-17 12:00
- 2025-04-19 12:00
- 2025-03-22 12:00
- 2025-02-22 12:00
- 2025-01-25 12:00
- 2024-12-28 12:00
- 2024-11-30 12:00
- 2024-11-02 12:00
- 2024-10-05 12:00
- 2024-09-07 12:00
- 2024-08-10 12:00
- 2024-07-13 12:00

This instrument is installed horizontally and chart needs to be read accordingly

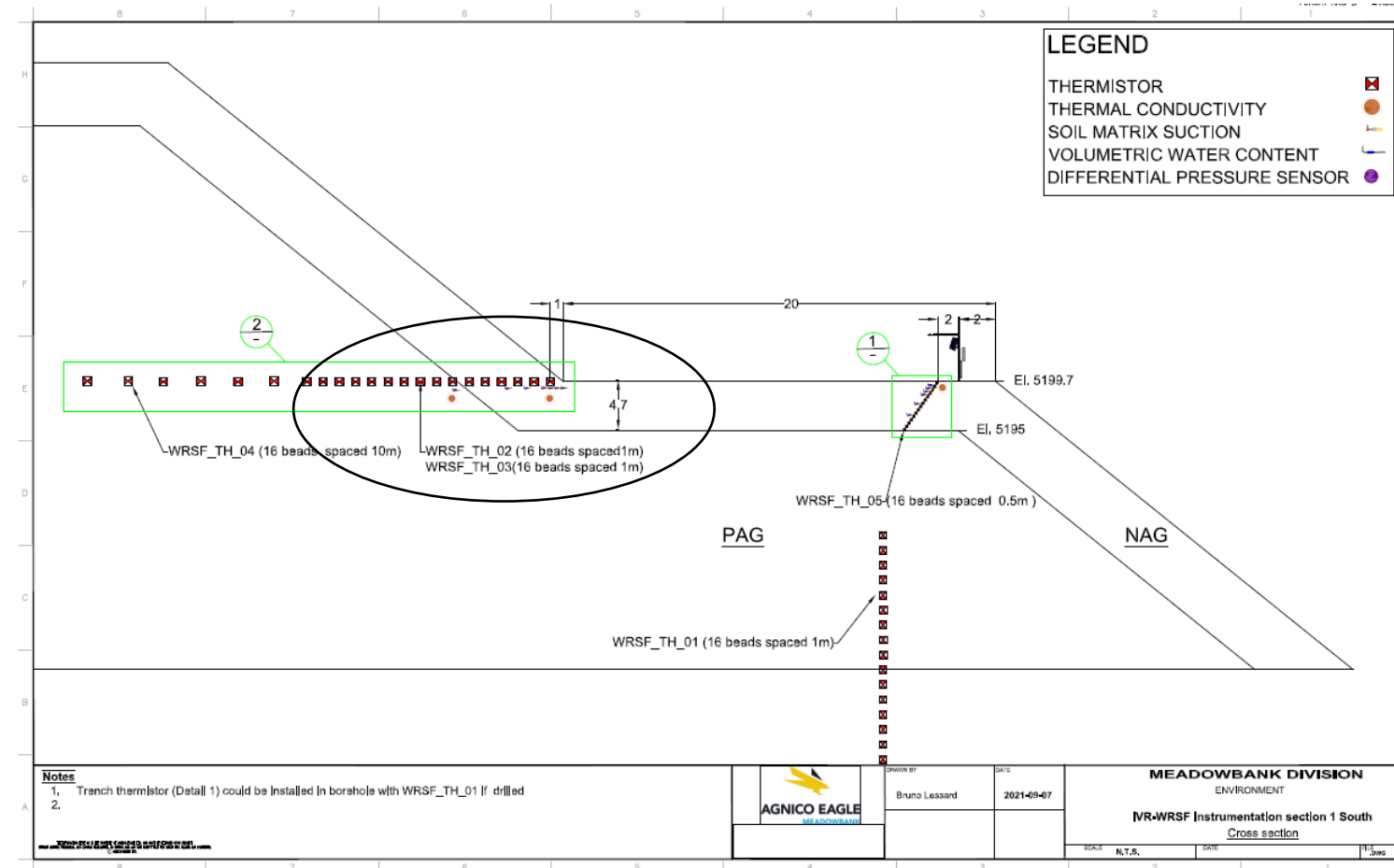
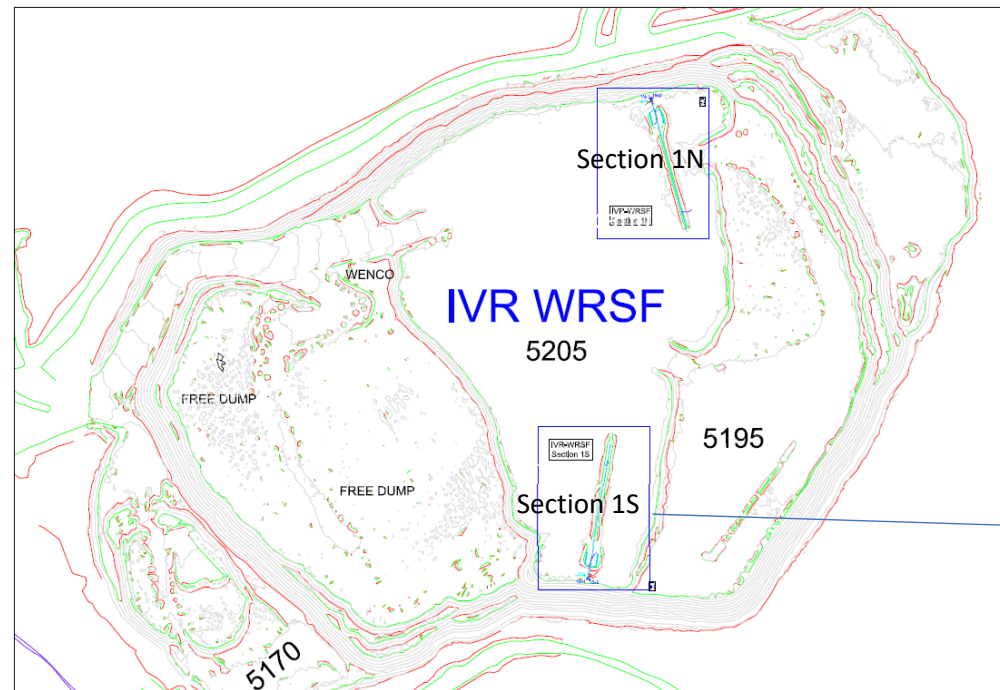
Notes
 1. Trench thermistor (Detail 1) could be installed in borahole with WRSF_TH_01 if drilled.
 2.

AGNICO EAGLE
 DRAWN BY: Bruno Lessard
 DATE: 2021-09-07

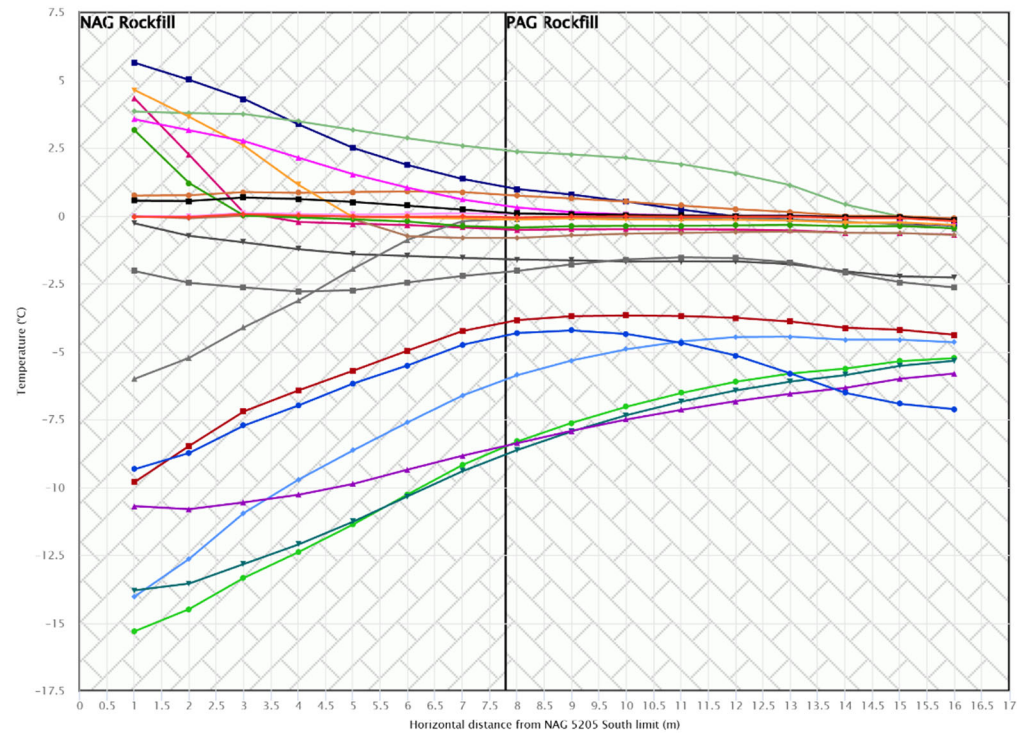
MEADOWBANK DIVISION
 ENVIRONMENT
 IVR-WRSF Instrumentation section 1 South
 Cross section

SCALE: N.T.S. DATE: N/A

IVR WRSF TH03



AMQ - WRSF - IVR_TH_03
Horizontal Thermistor South



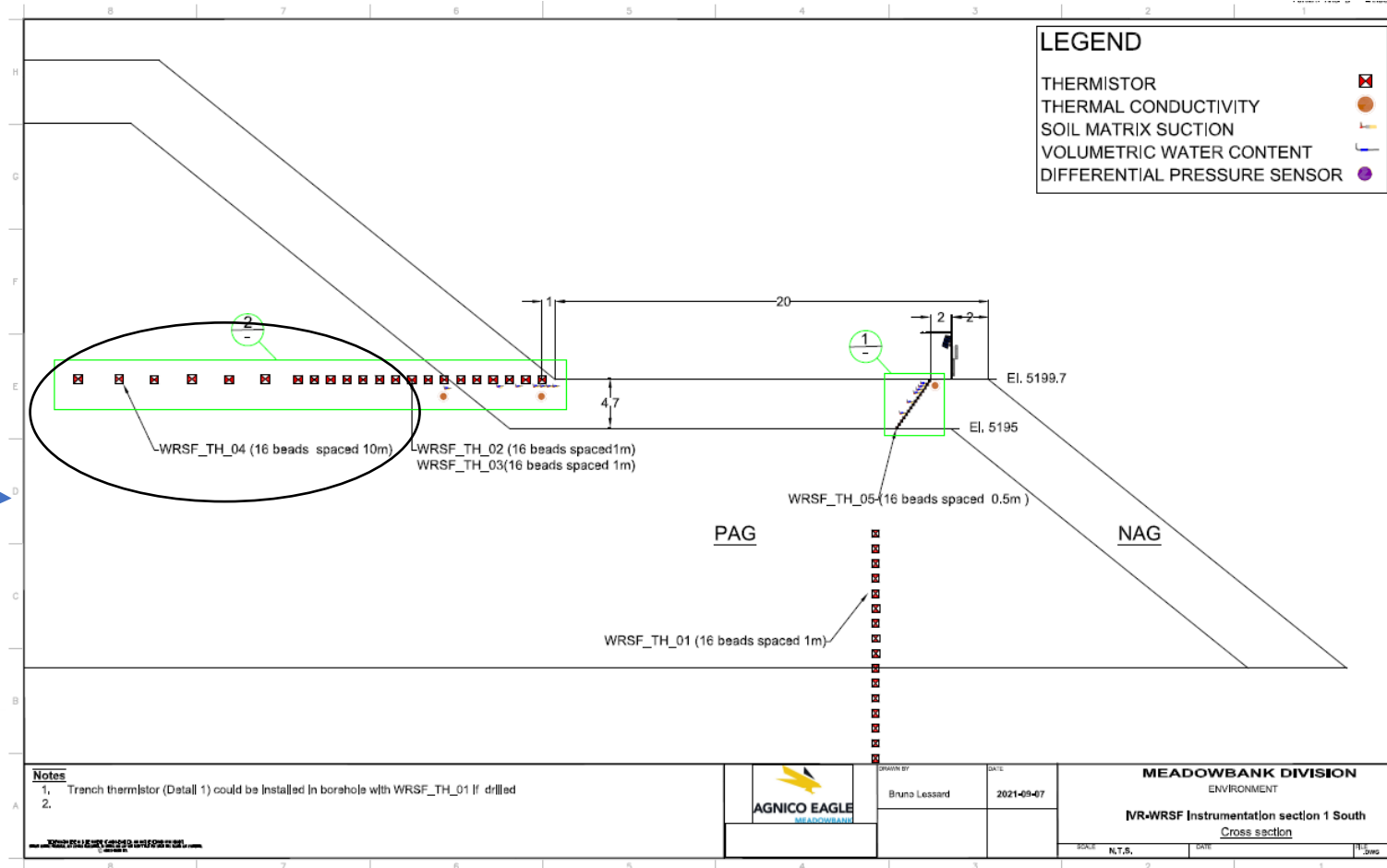
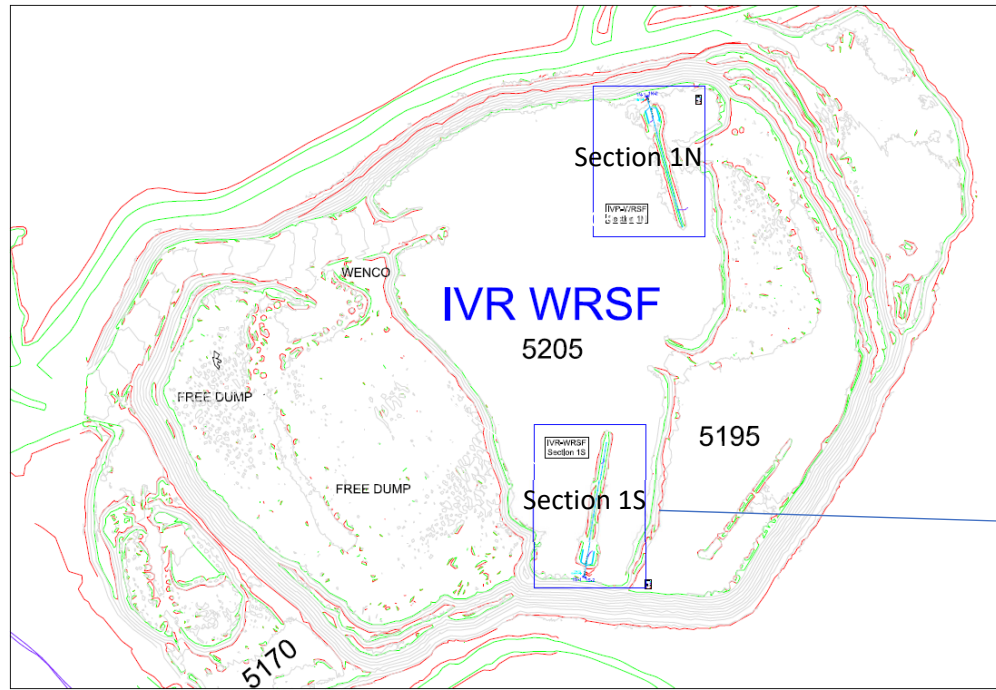
- 2025-12-27 12:00
- 2025-11-29 12:00
- 2025-11-01 12:00
- 2025-10-04 12:00
- 2025-09-06 12:00
- 2025-08-09 12:00
- 2025-07-12 12:00
- 2025-06-14 12:00
- 2025-05-17 12:00
- 2025-04-19 12:00
- 2025-03-22 12:00
- 2025-02-22 12:00
- 2025-01-25 12:00
- 2024-12-28 12:00
- 2024-11-30 12:00
- 2024-11-02 12:00
- 2024-10-05 12:00
- 2024-09-07 12:00
- 2024-08-10 12:00
- 2024-07-13 12:00

Notes
 1. Trench thermistor (Detail 1) could be installed in borehole with WRSF_TH_01 if drilled
 2.

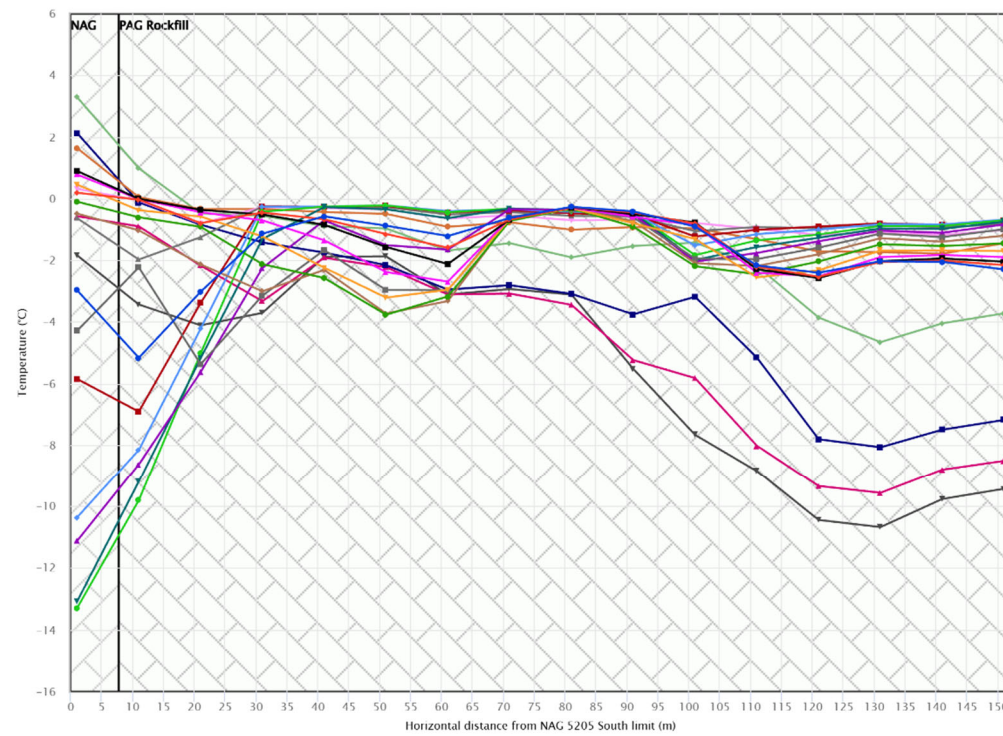
	DRAWN BY Bruno Lessard	DATE 2021-09-07	MEADOWBANK DIVISION ENVIRONMENT IVR-WRSF Instrumentation section 1 South Cross section
	SCALE N.T.S.	DATE	

This instrument is installed horizontally and chart needs to be read accordingly

IVR WRSF TH04

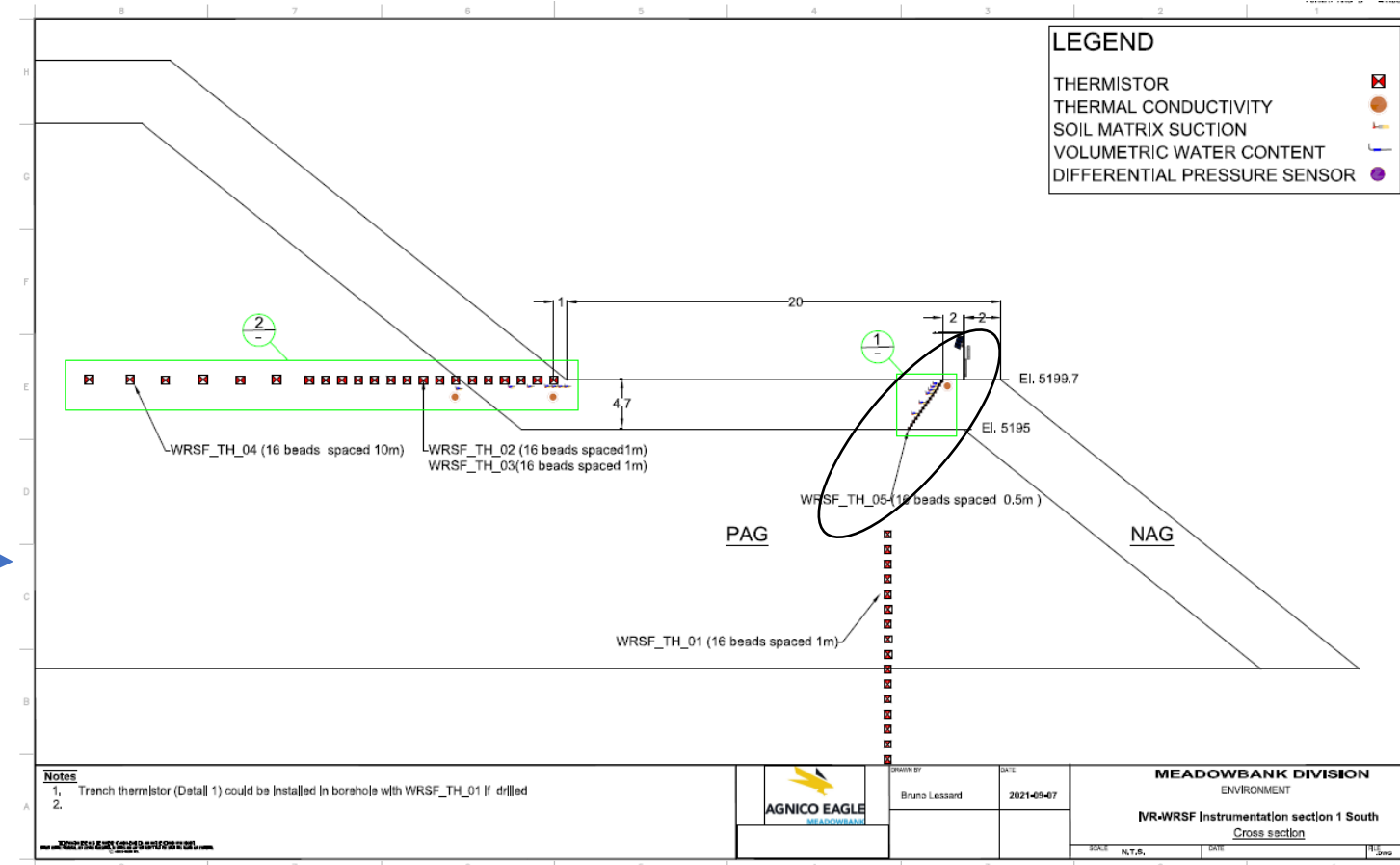
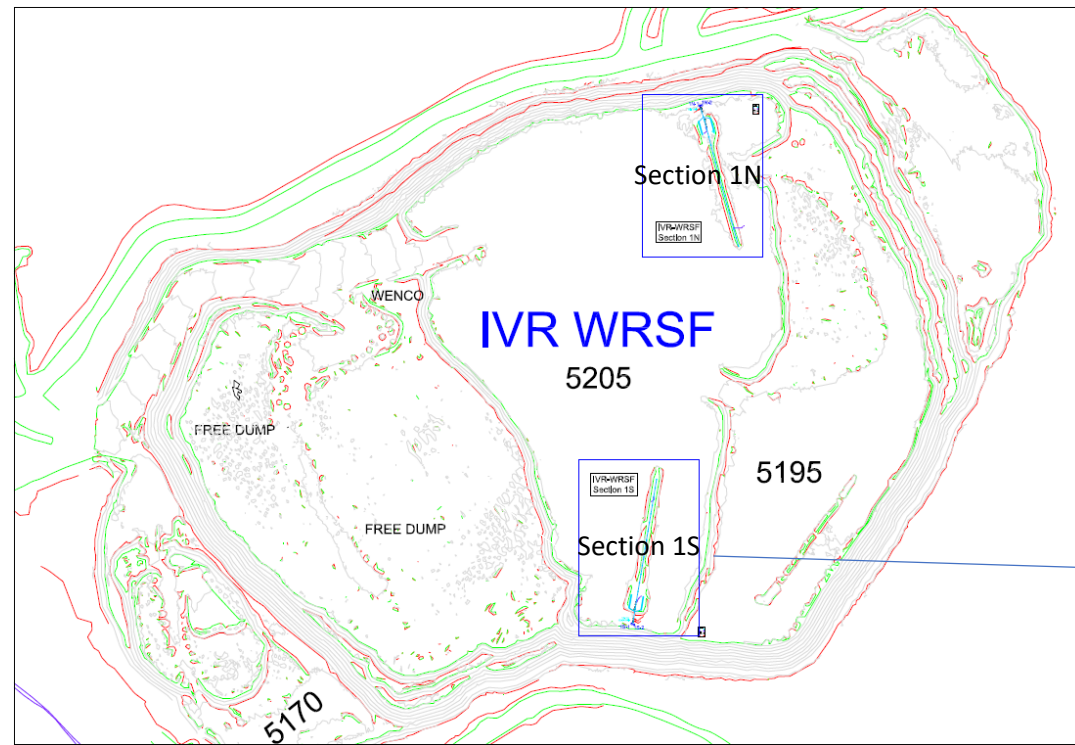


AMQ - WRSF - IVR_TH_04
Horizontal Thermistor South

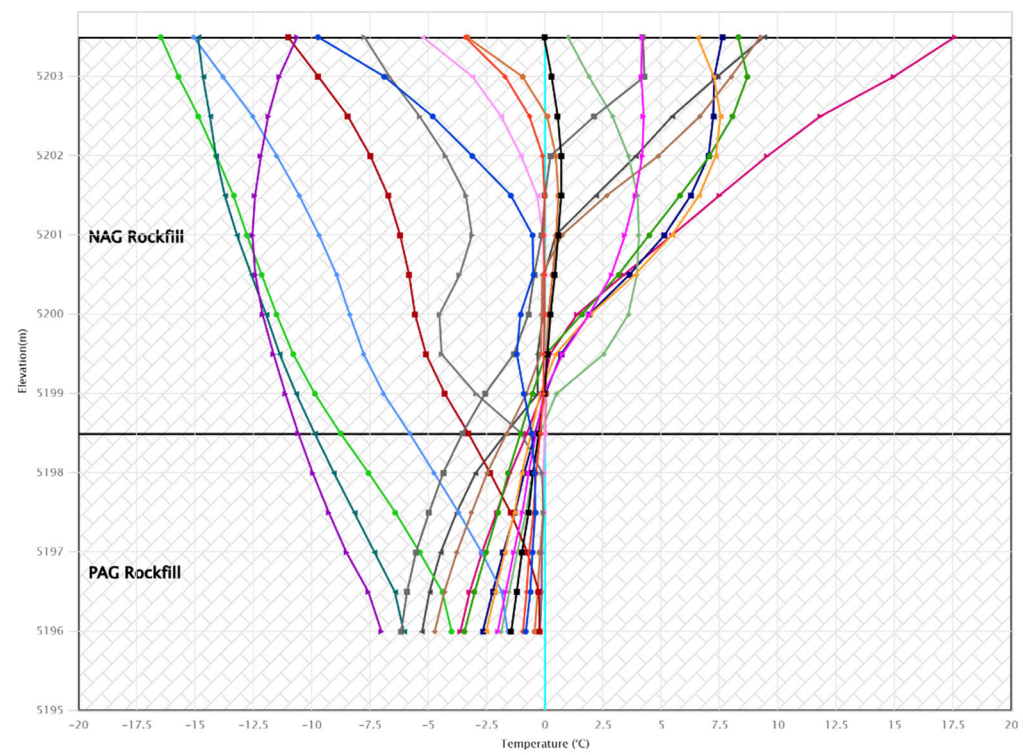


This instrument is installed horizontally and chart needs to be read accordingly

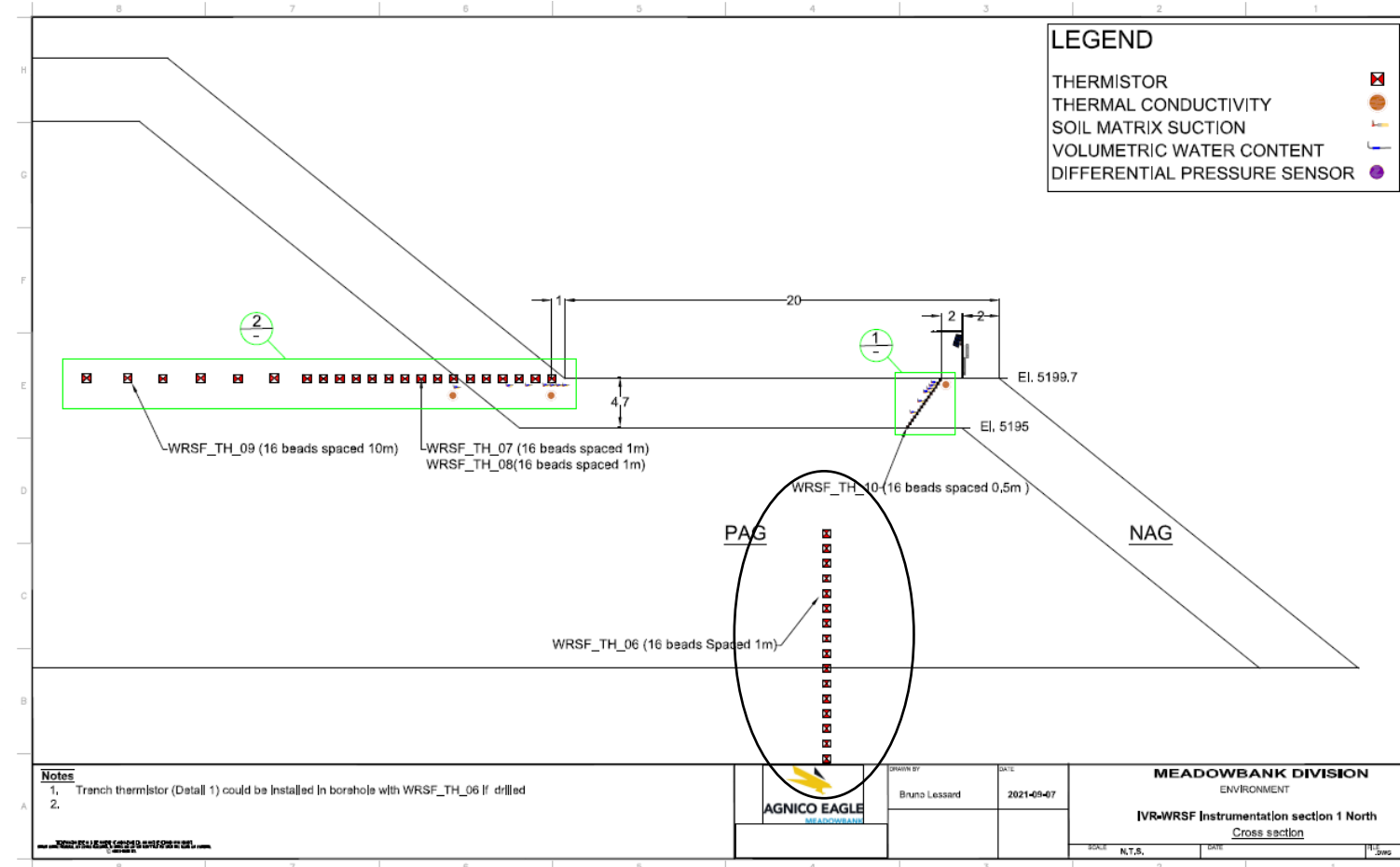
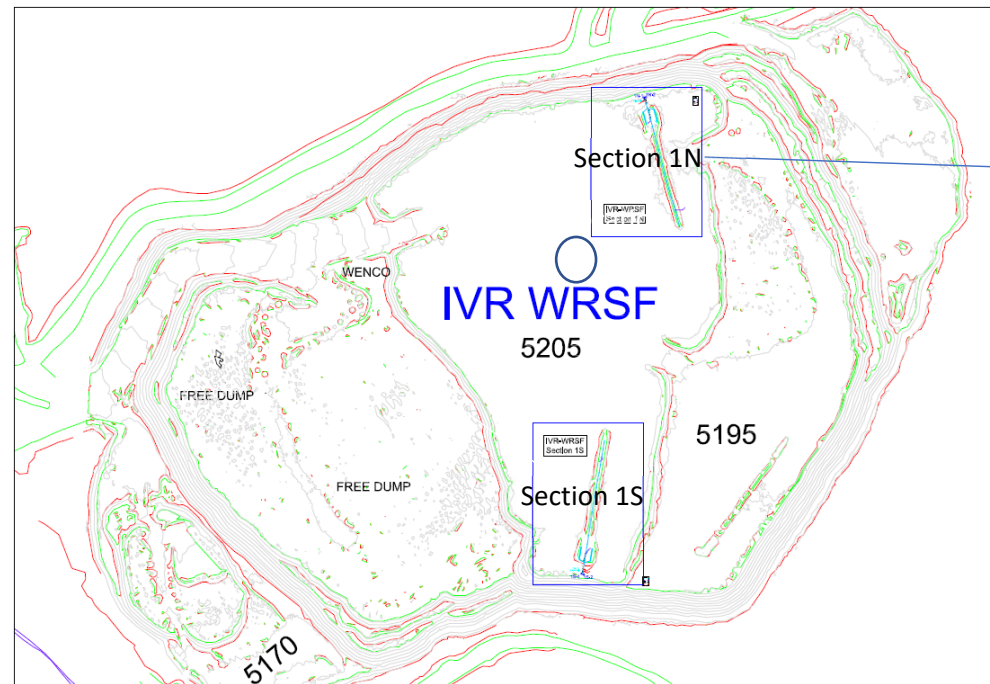
IVR WRSF TH05



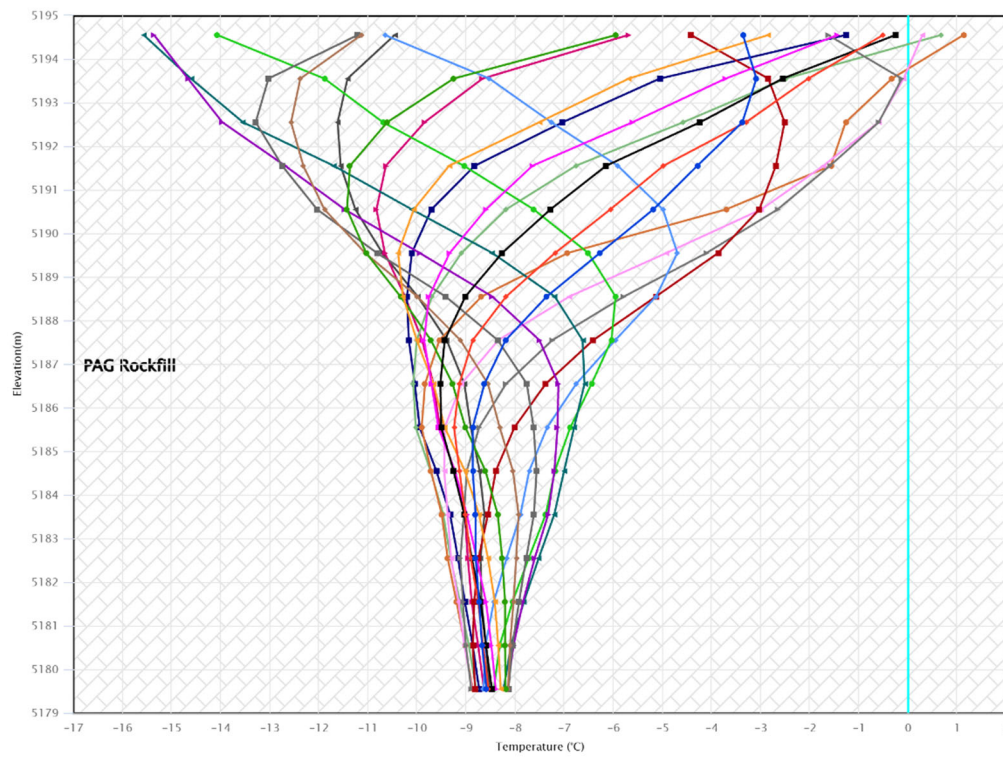
AMQ - WRSF - IVR_TH_05



IVR WRSF TH06



AMQ - WRSF - IVR_TH_06

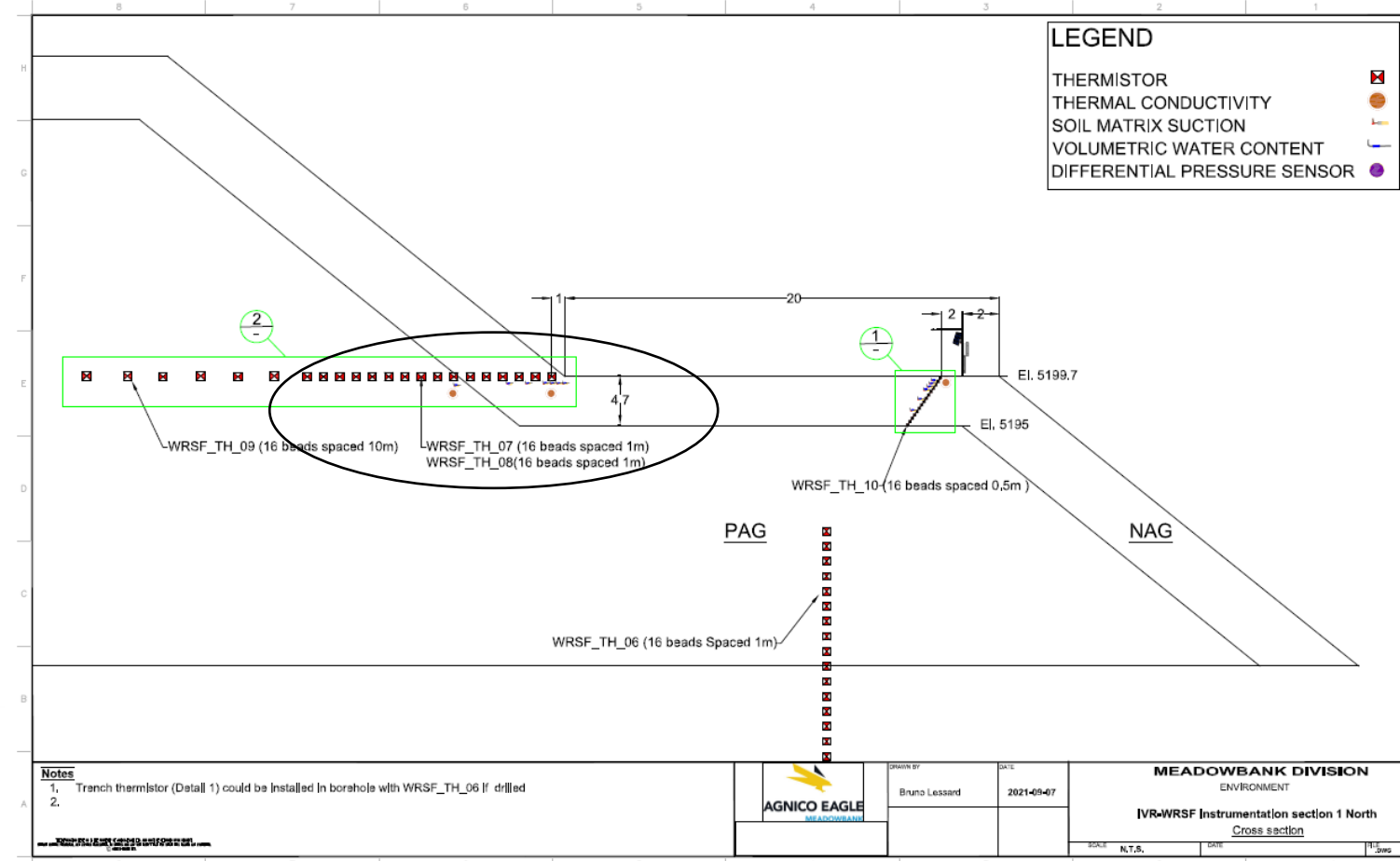
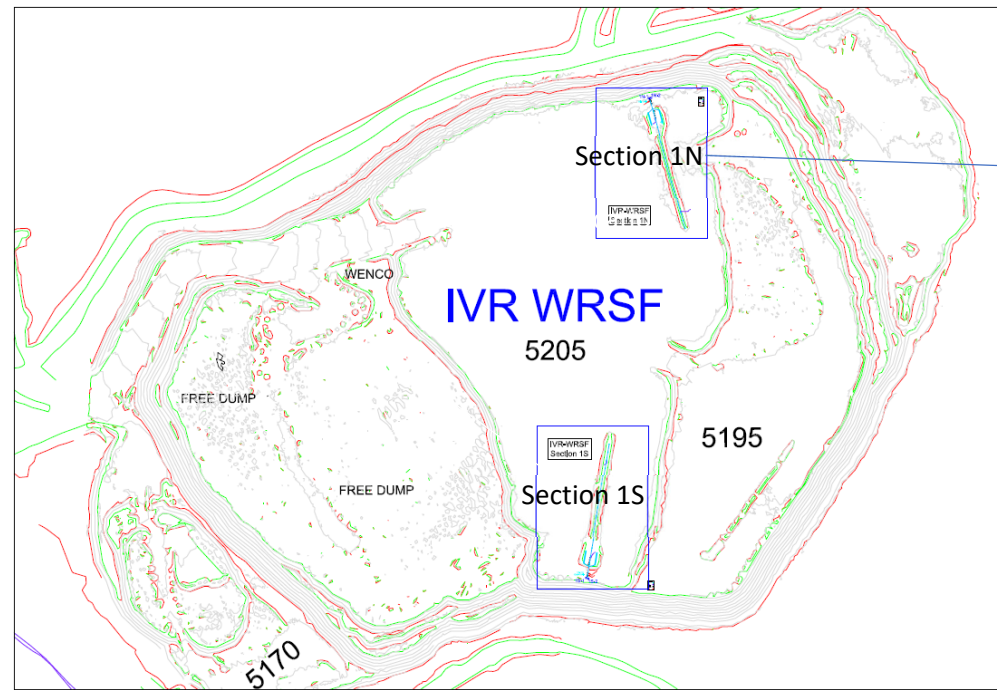


- 2025-12-15 12:00
- 2025-11-17 12:00
- 2025-10-20 12:00
- 2025-09-22 12:00
- 2025-08-25 12:00
- 2025-07-28 12:00
- 2025-06-30 12:00
- 2025-06-02 12:00
- 2025-05-05 12:00
- 2025-04-07 12:00
- 2025-03-10 12:00
- 2025-02-10 12:00
- 2025-01-13 12:00
- 2024-12-16 12:00
- 2024-11-18 12:00
- 2024-10-21 12:00
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- 2024-08-26 12:00
- 2024-07-29 12:00
- 2024-07-01 12:00
- Limit Profile

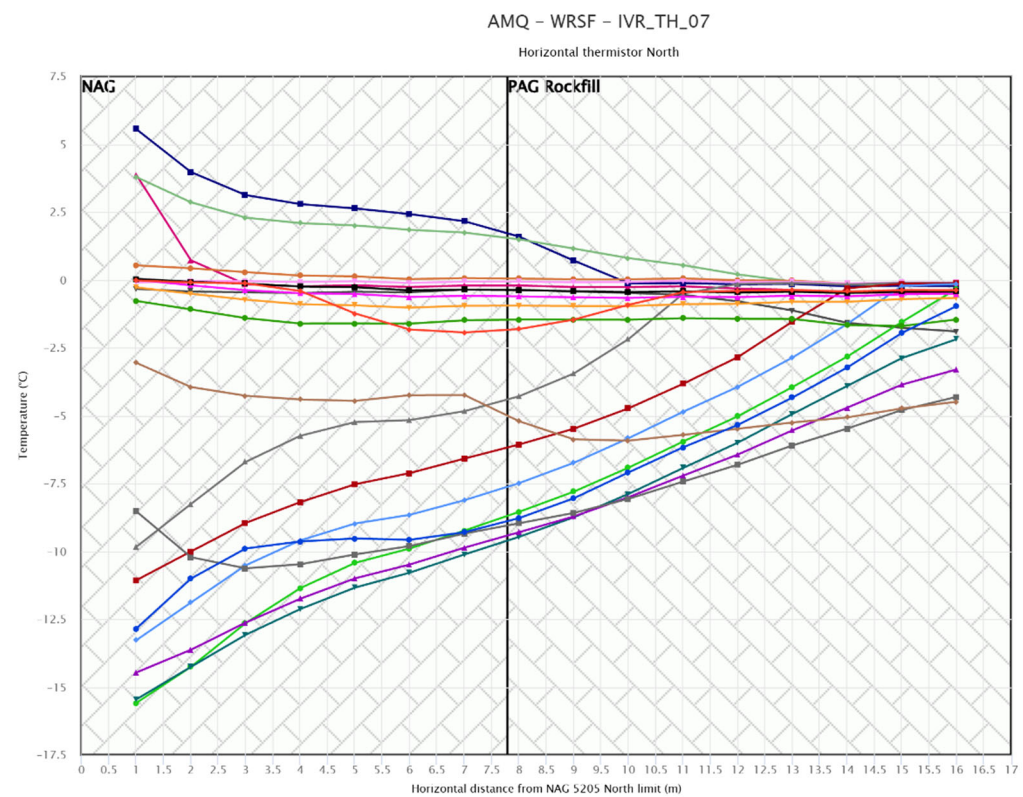
Notes
 1. Trench thermistor (Data 1) could be installed in borehole with WRSF_TH_06 if drilled
 2.

AGNICO EAGLE	Drawn by	Bruno Lessard	Date	2021-09-07
	MEADOWBANK DIVISION ENVIRONMENT			
IVR-WRSF Instrumentation section 1 North Cross section				
Scale	ALT.S.	Date	Nil	

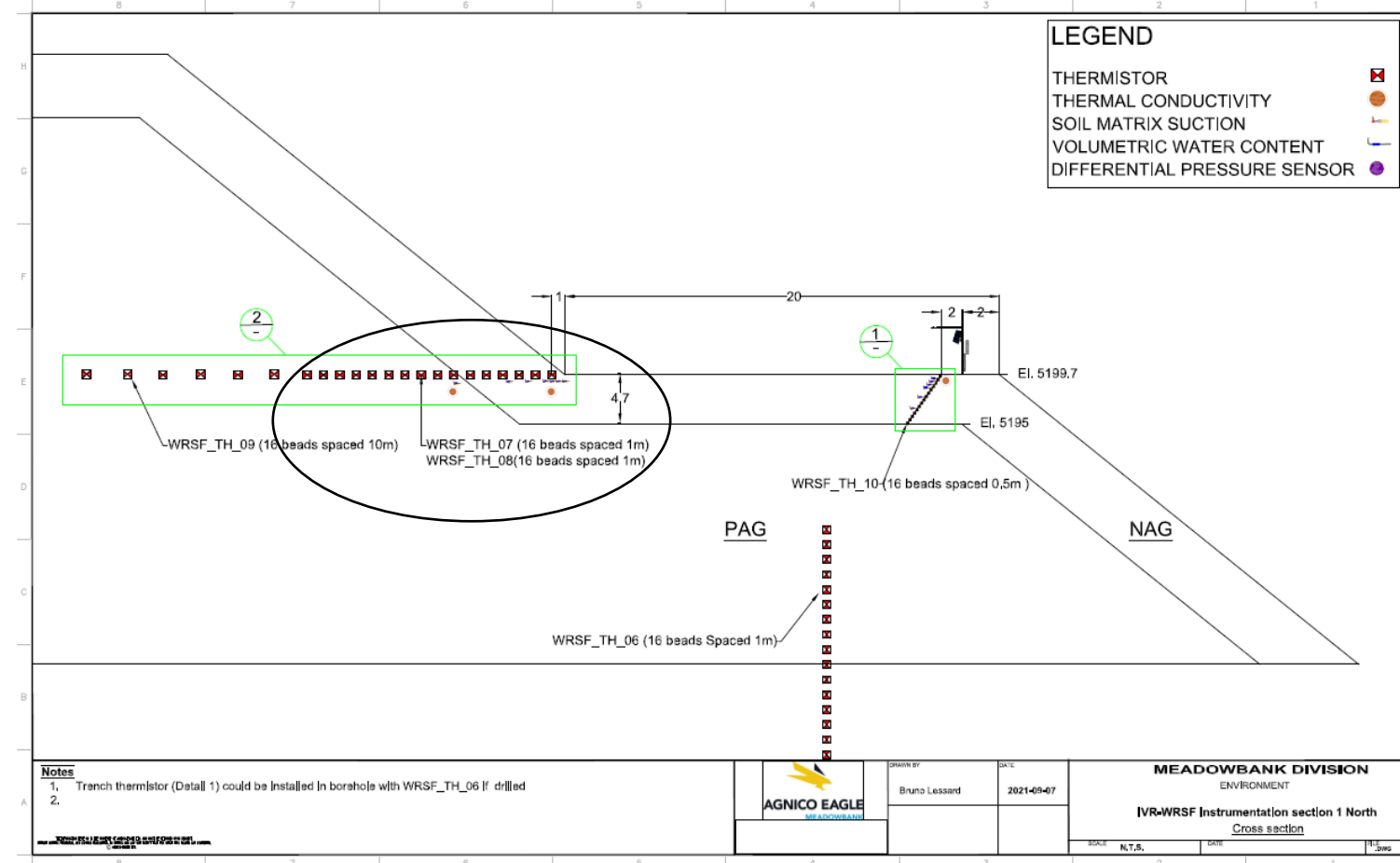
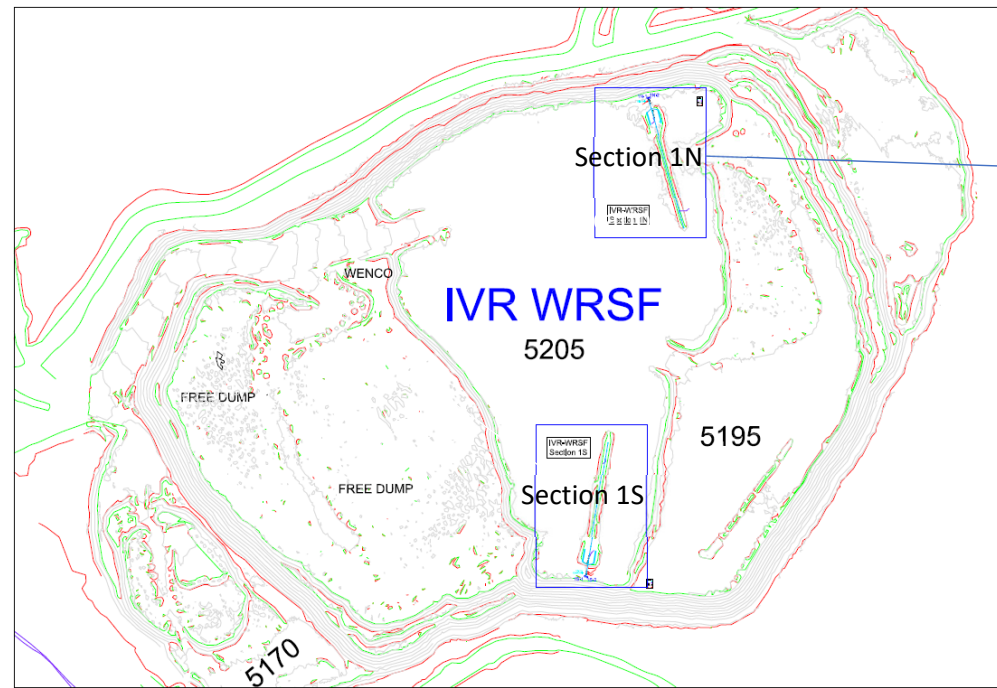
IVR WRSF TH07



This instrument is installed horizontally and chart needs to be read accordingly

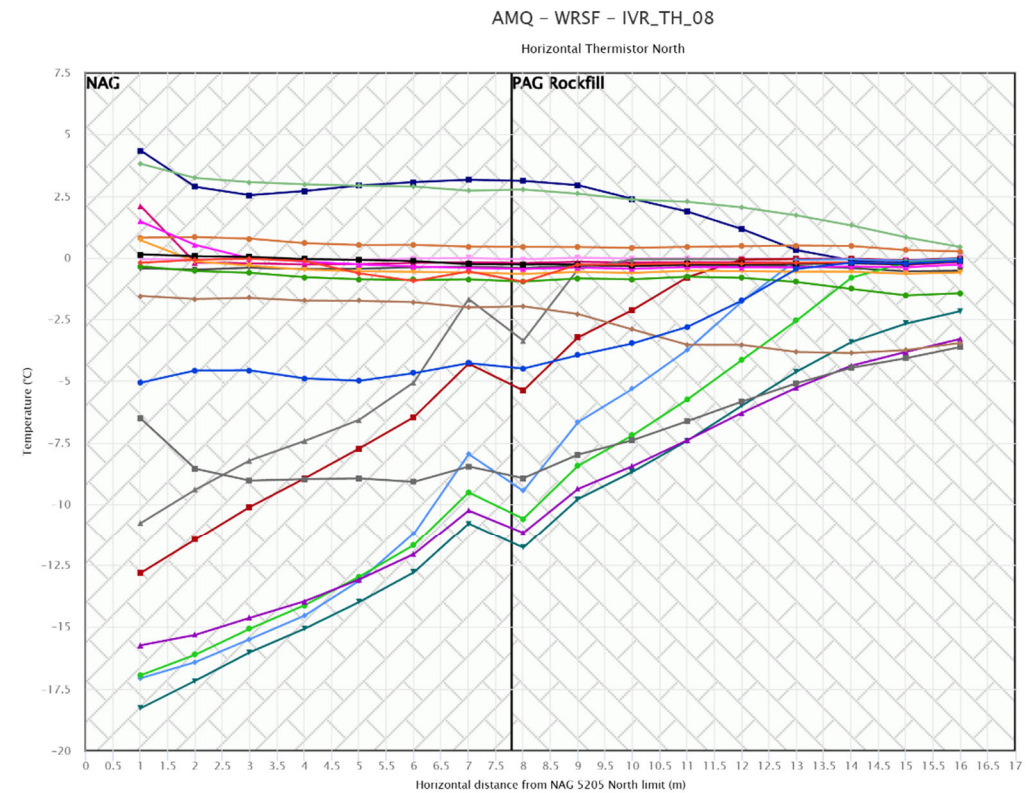


IVR WRSF TH08

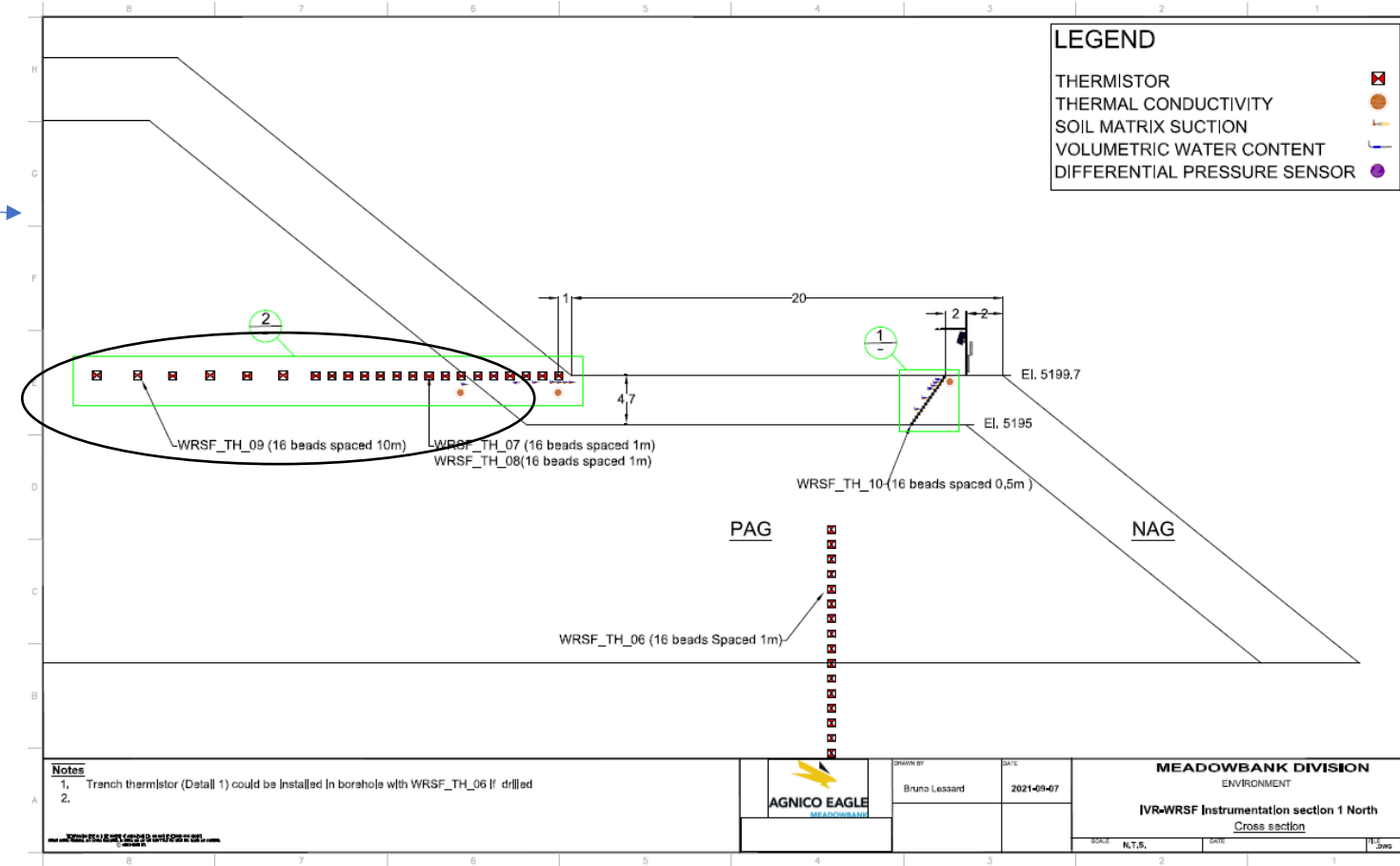
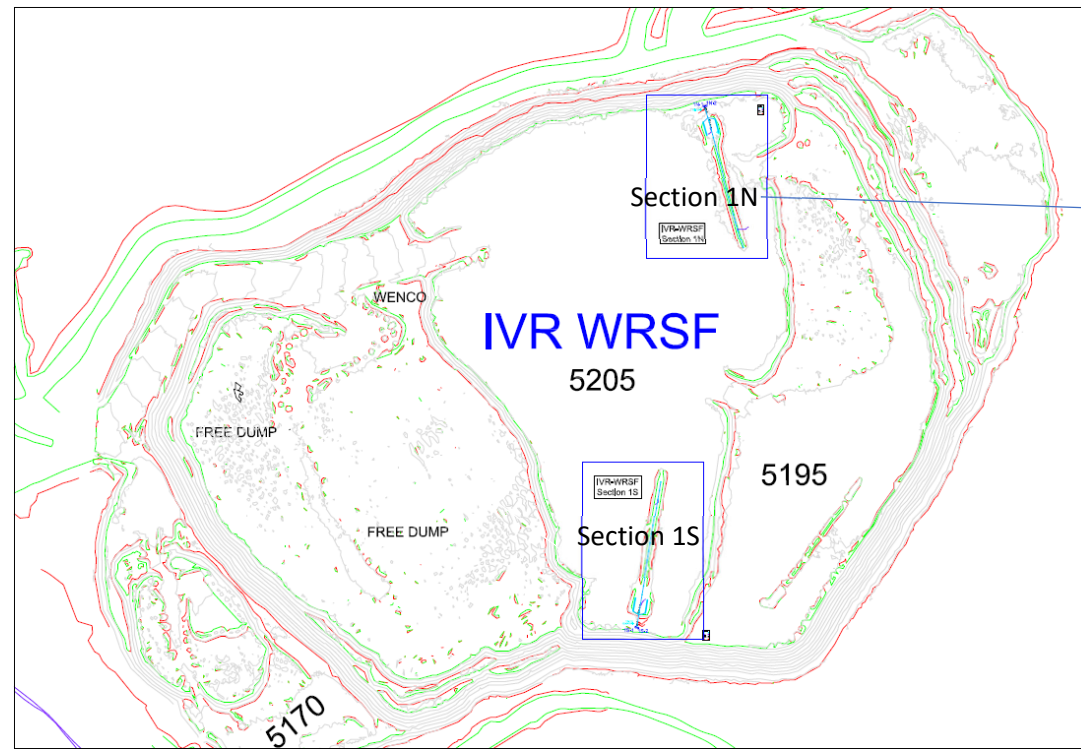


Notes 1. Trench thermistor (Data# 1) could be installed in borehole with WRSF_TH_06 if drilled. 2.	AGNICO EAGLE	Drawn by Bruno Lessard	Date 2021-09-07	MEADOWBANK DIVISION ENVIRONMENT IVR-WRSF Instrumentation section 1 North Cross section
		Scale 1:100	Alt. Scale 1:100	

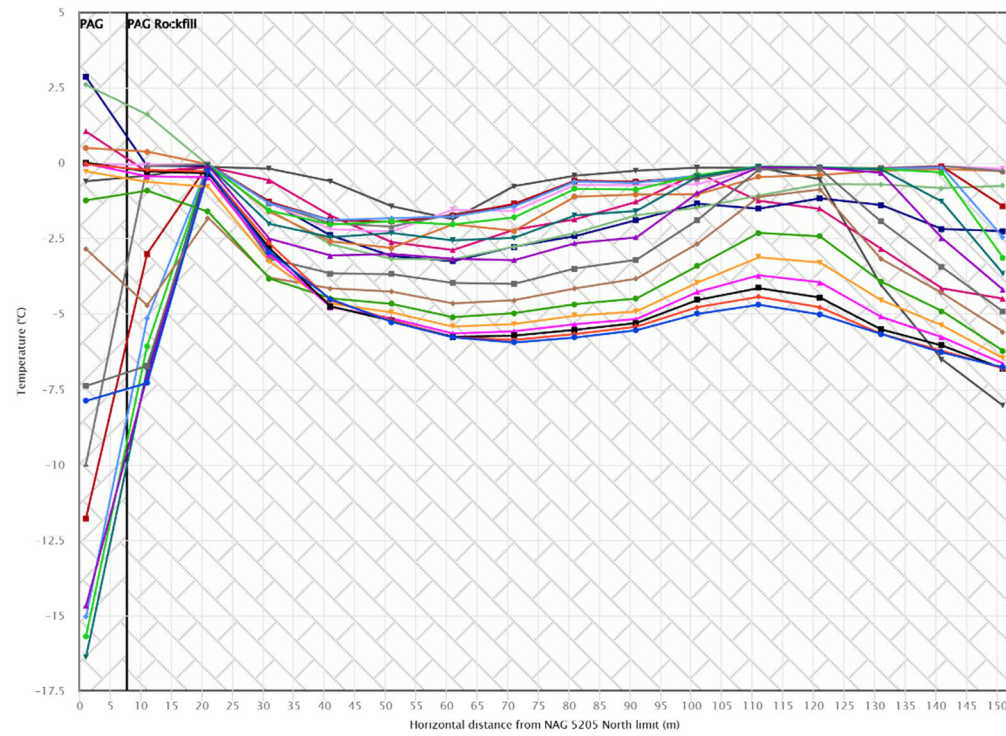
This instrument is installed horizontally and chart needs to be read accordingly



IVR WRSF TH09



AMQ - WRSF - IVR_TH_09
Horizontal Thermistor North

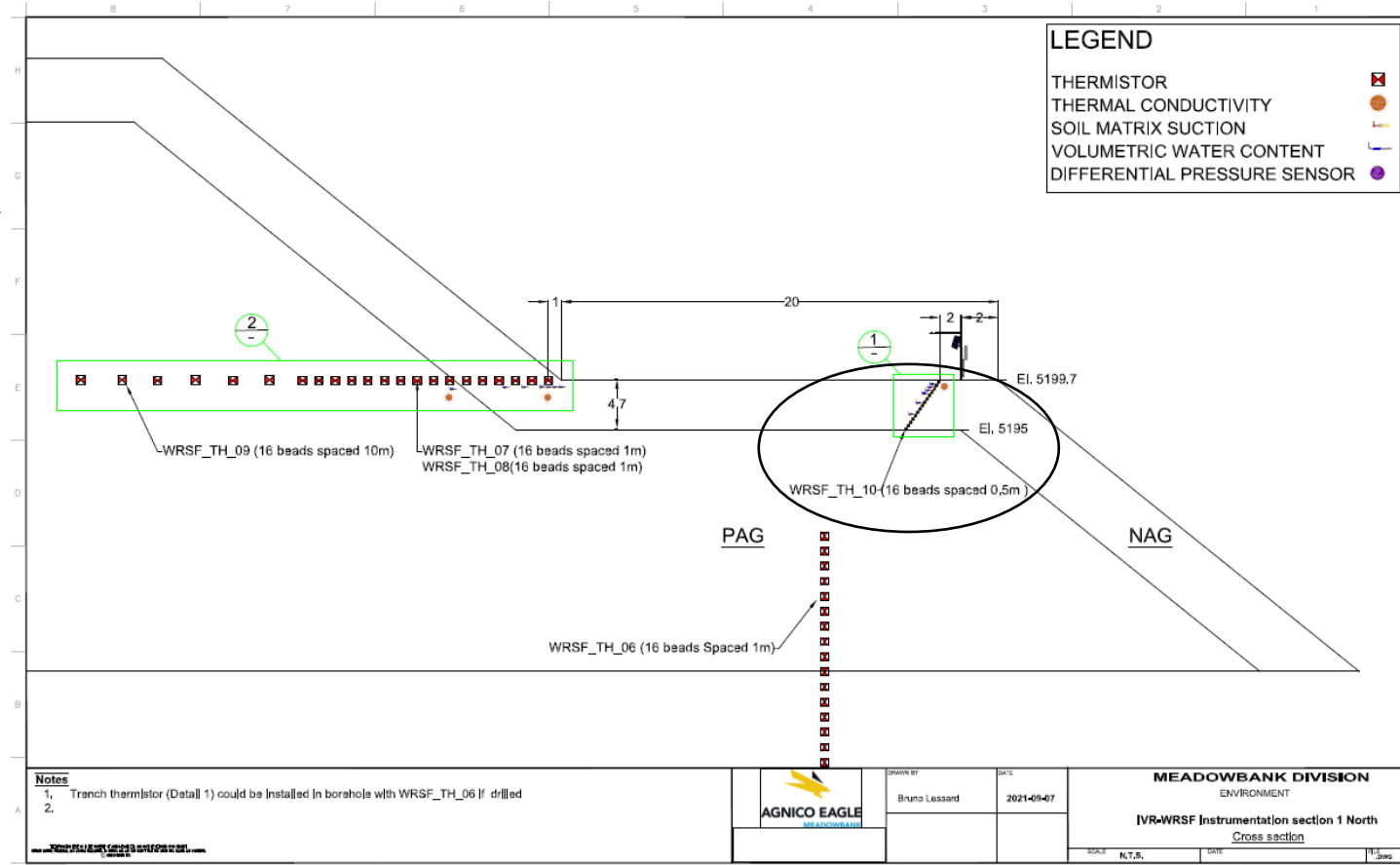
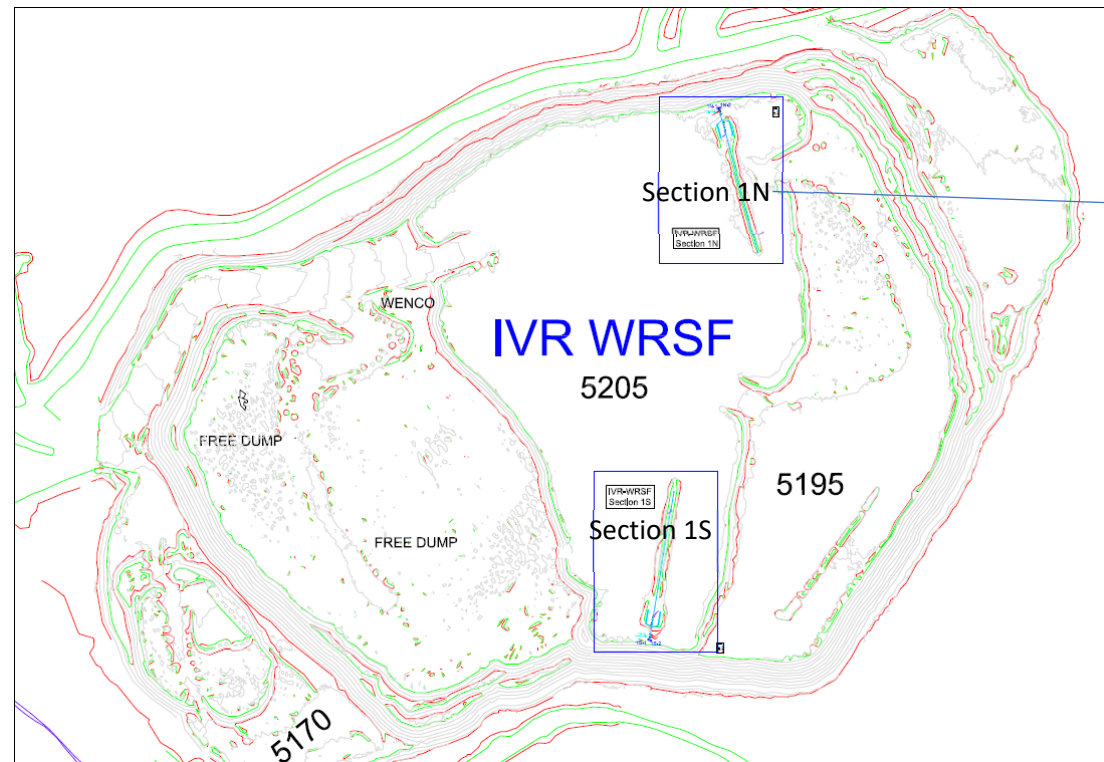


- 2025-12-15 12:00
- 2025-11-17 12:00
- 2025-10-20 12:00
- 2025-09-22 12:00
- 2025-08-25 12:00
- 2025-07-28 12:00
- 2025-06-30 12:00
- 2025-06-02 12:00
- 2025-05-05 12:00
- 2025-04-07 12:00
- 2025-03-10 12:00
- 2025-02-10 12:00
- 2025-01-13 12:00
- 2024-12-16 12:00
- 2024-11-18 12:00
- 2024-10-21 12:00
- 2024-09-23 12:00
- 2024-08-26 12:00
- 2024-07-29 12:00
- 2024-07-01 12:00

This instrument is installed horizontally and chart needs to be read accordingly

	Drawn by	DATE	MEADOWBANK DIVISION ENVIRONMENT IVR-WRSF Instrumentation section 1 North Cross section
	Bruno Lessard	2021-09-07	
SCALE: N.T.S.		DATE:	FILE: 2025

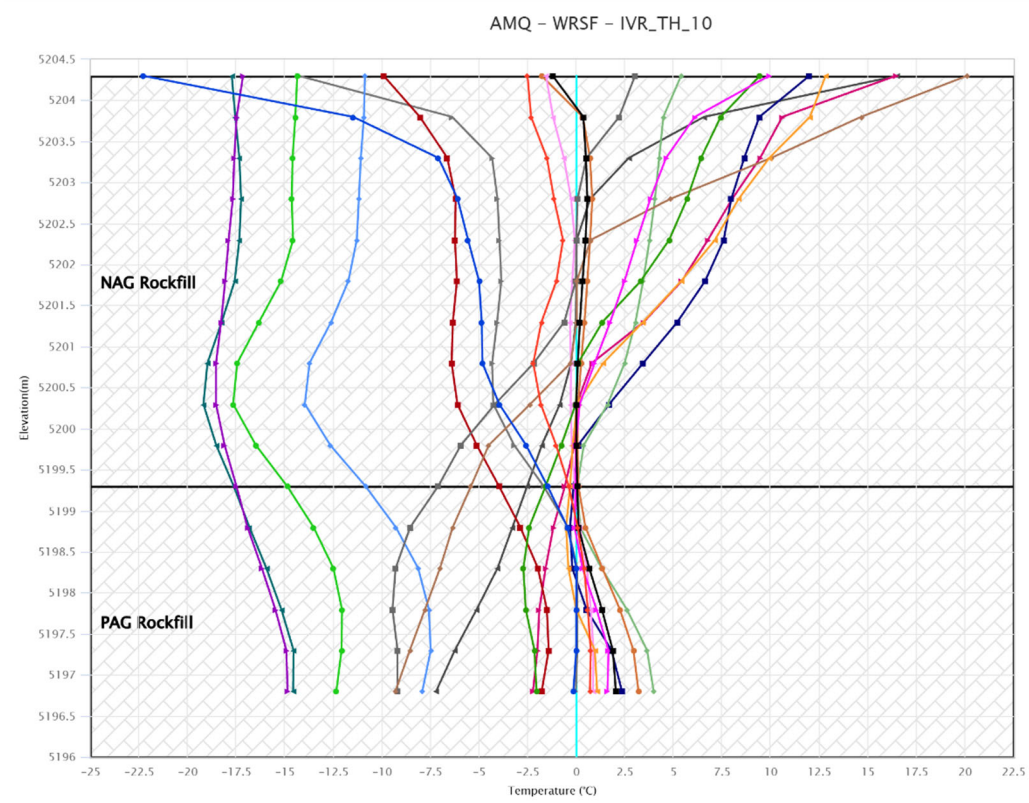
IVR WRSF TH10



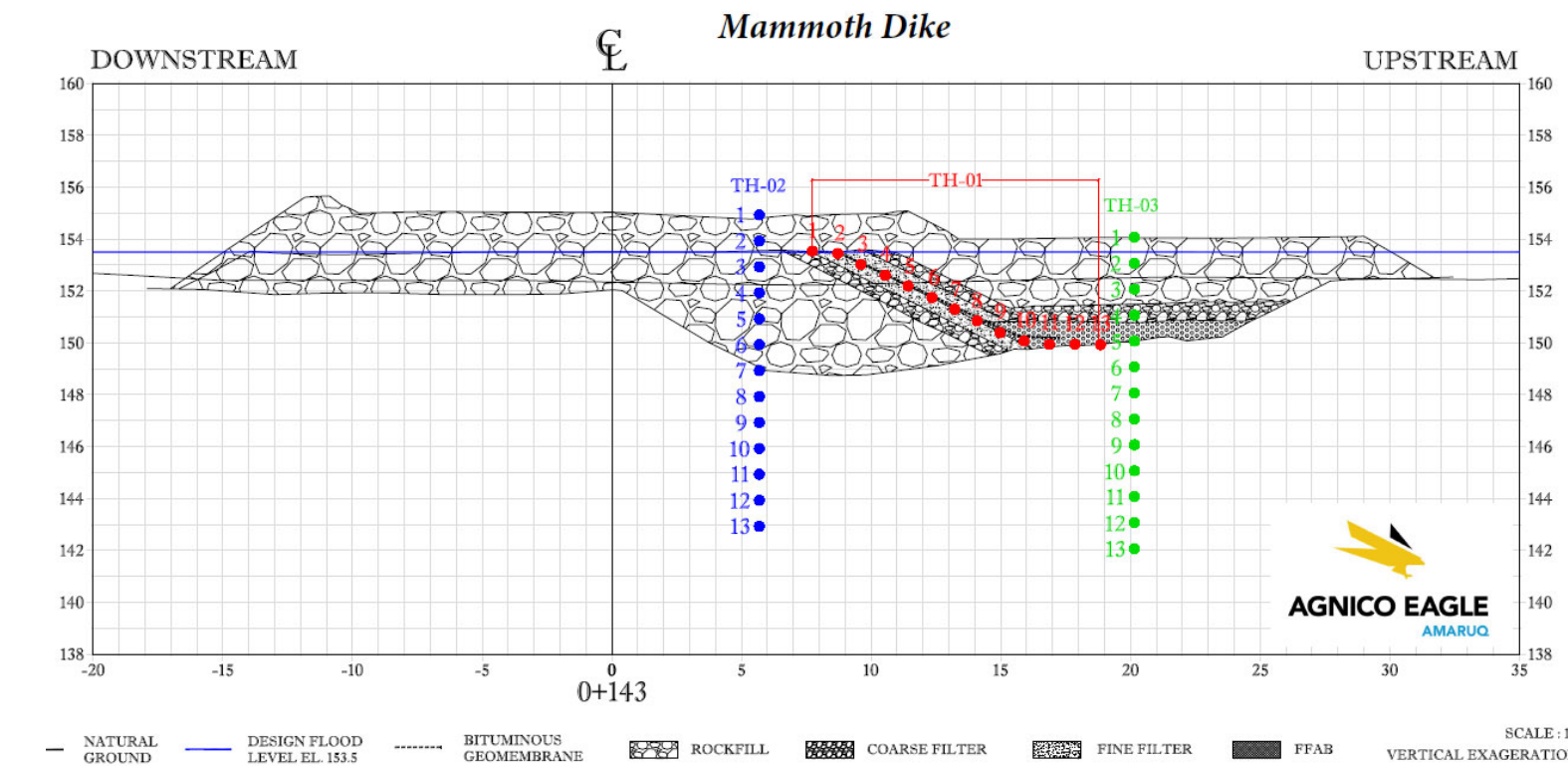
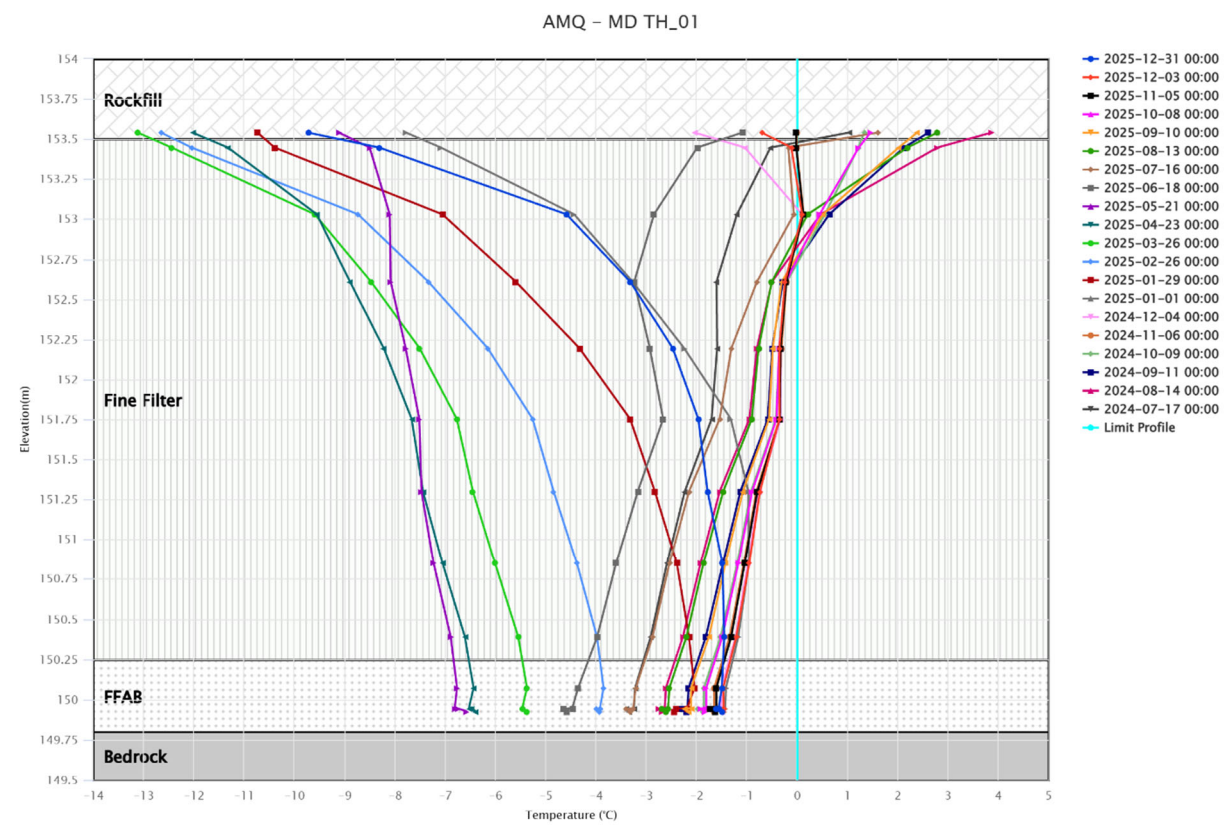
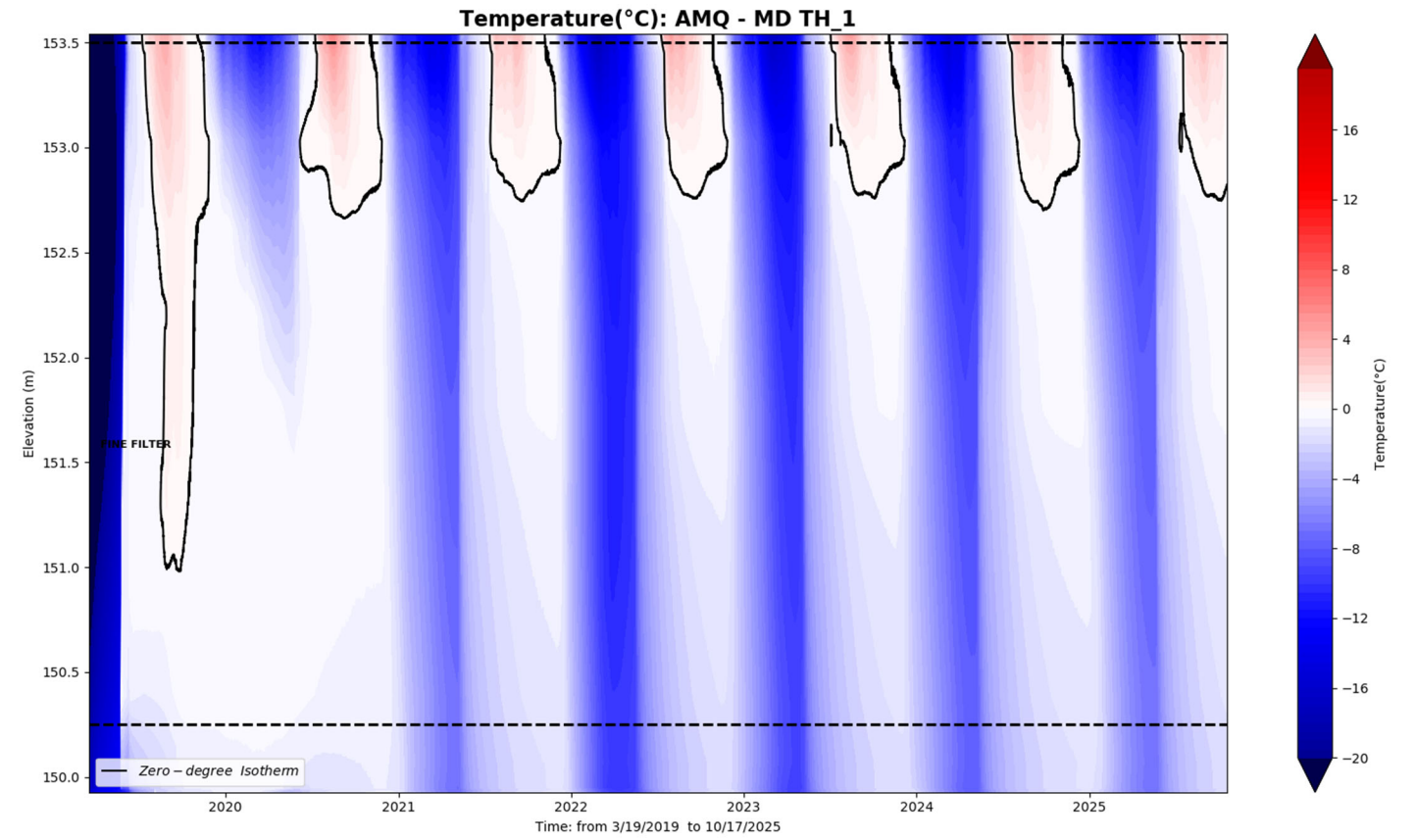
Notes

- Trench thermistor (Detail 1) could be installed in borehole with WRSF_TH_06 if drilled
-

AGNICO EAGLE	DRAWN BY Bruno Lessard	DATE 2021-09-07	MEADOWBANK DIVISION ENVIRONMENT
	IVR-WRSF Instrumentation section 1 North Cross section		
	SCALE N.T.S.	DATE	REV

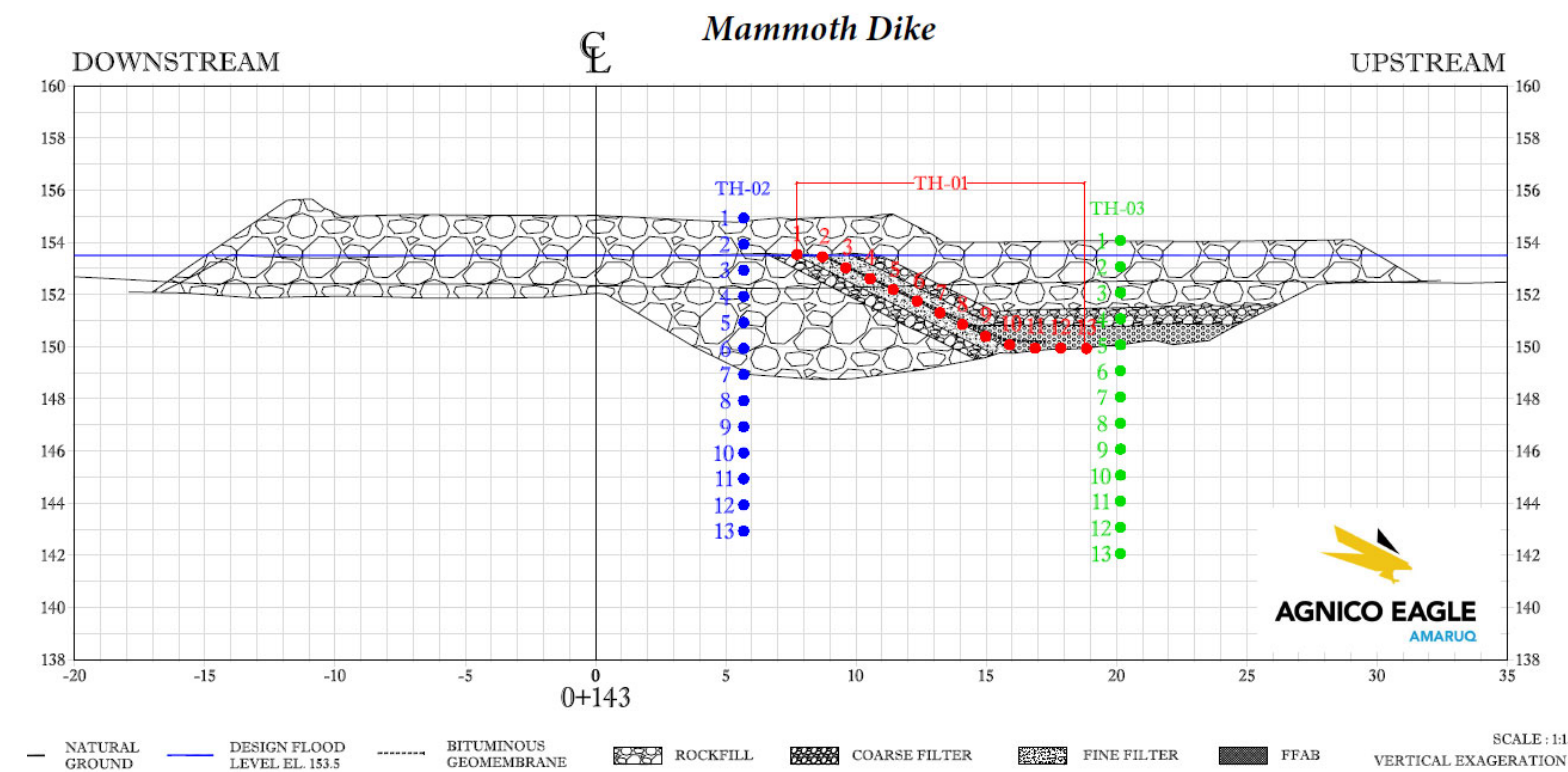
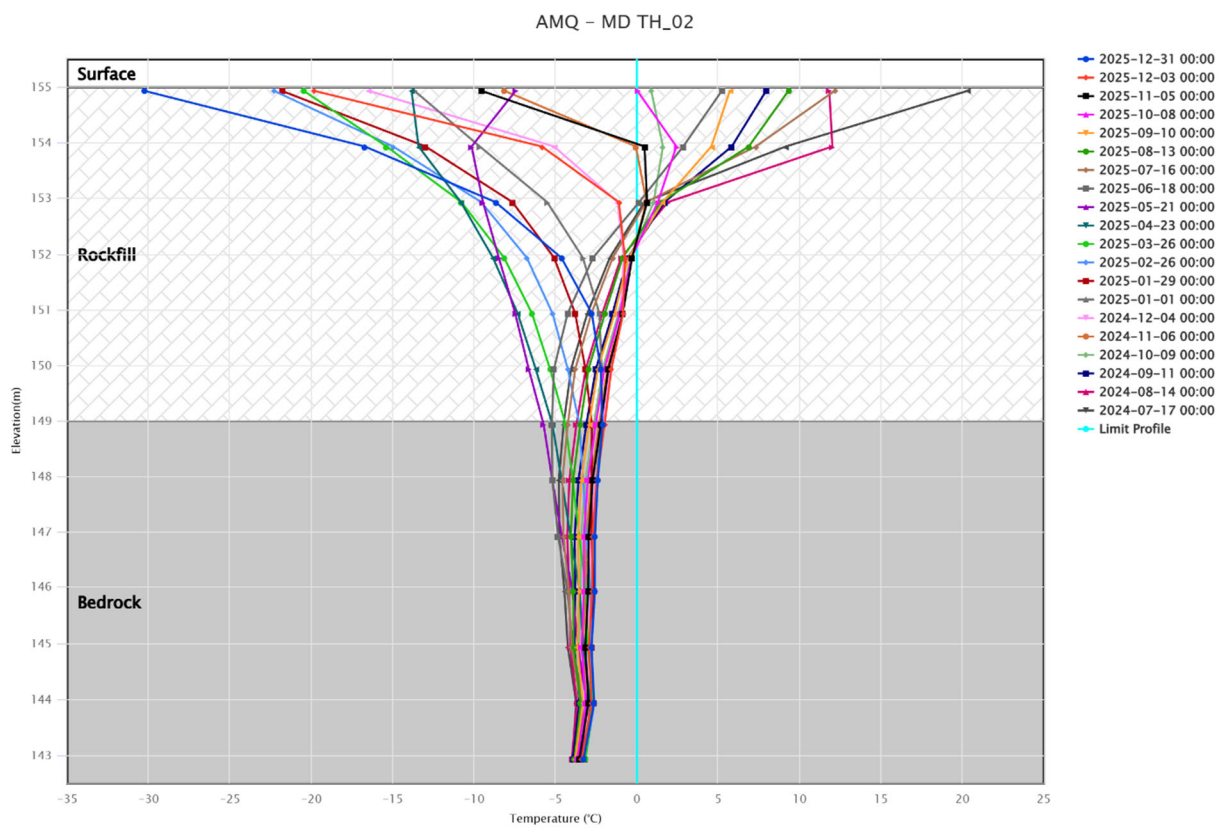
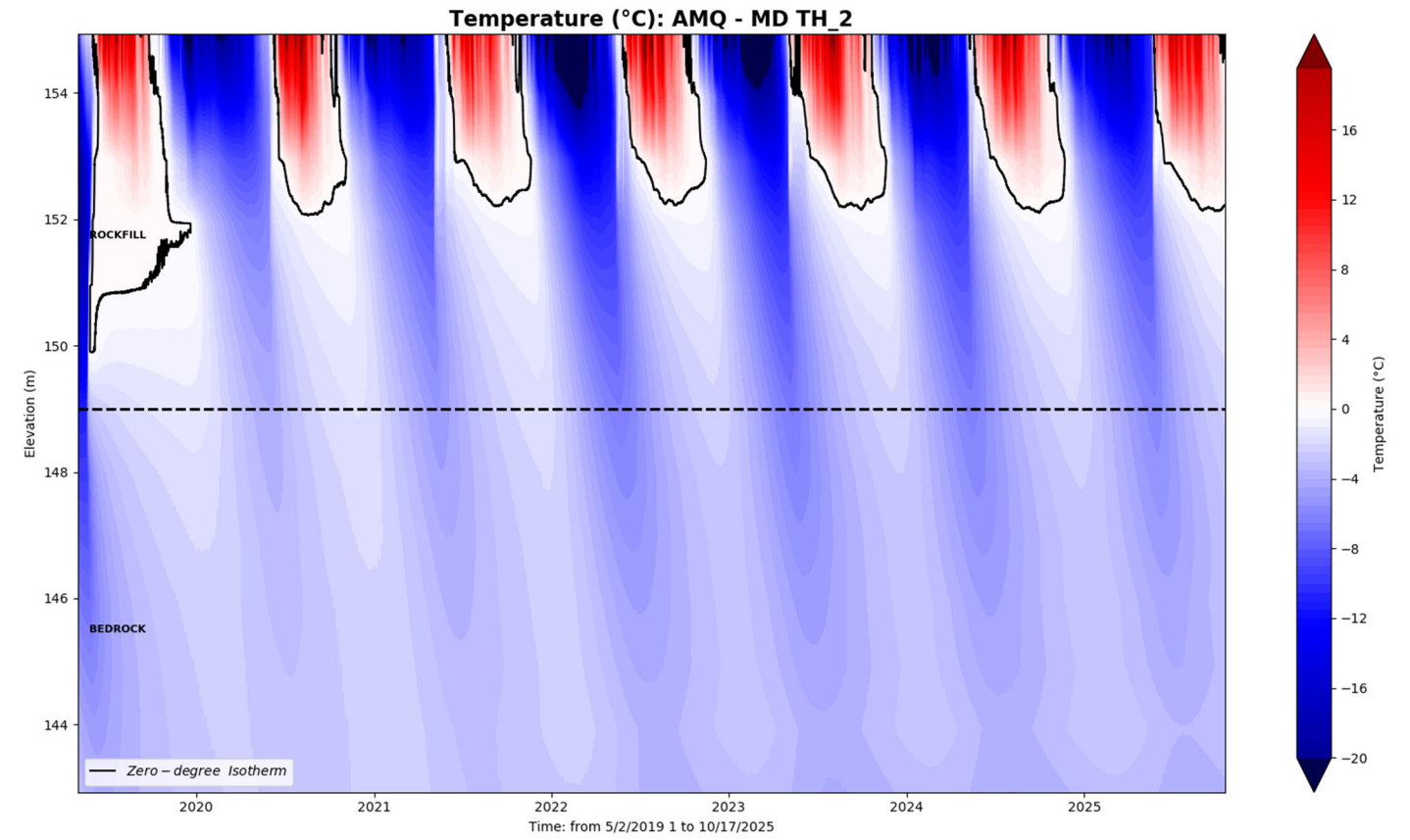


MD TH01



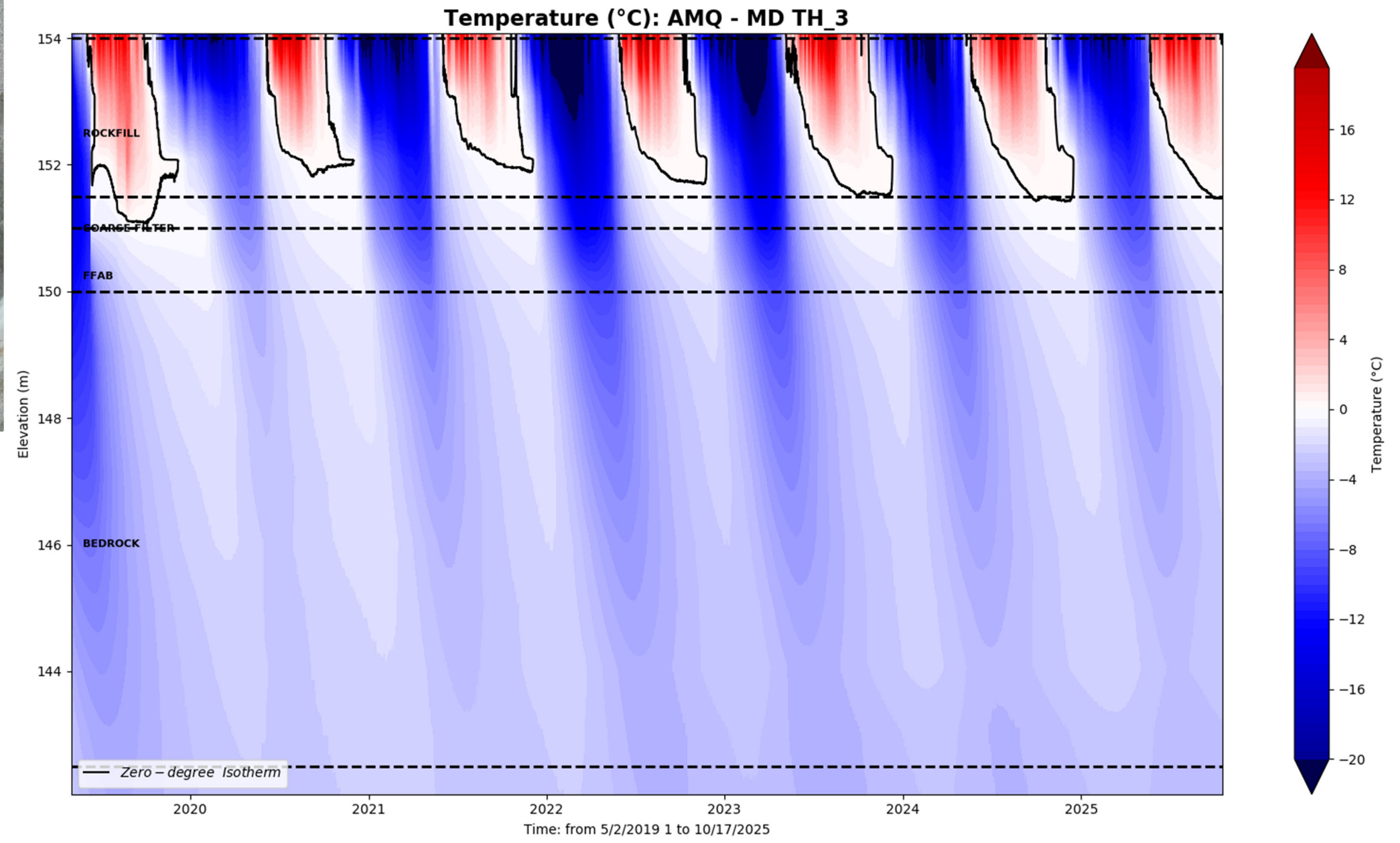
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VERTICAL EXAGGERATION:

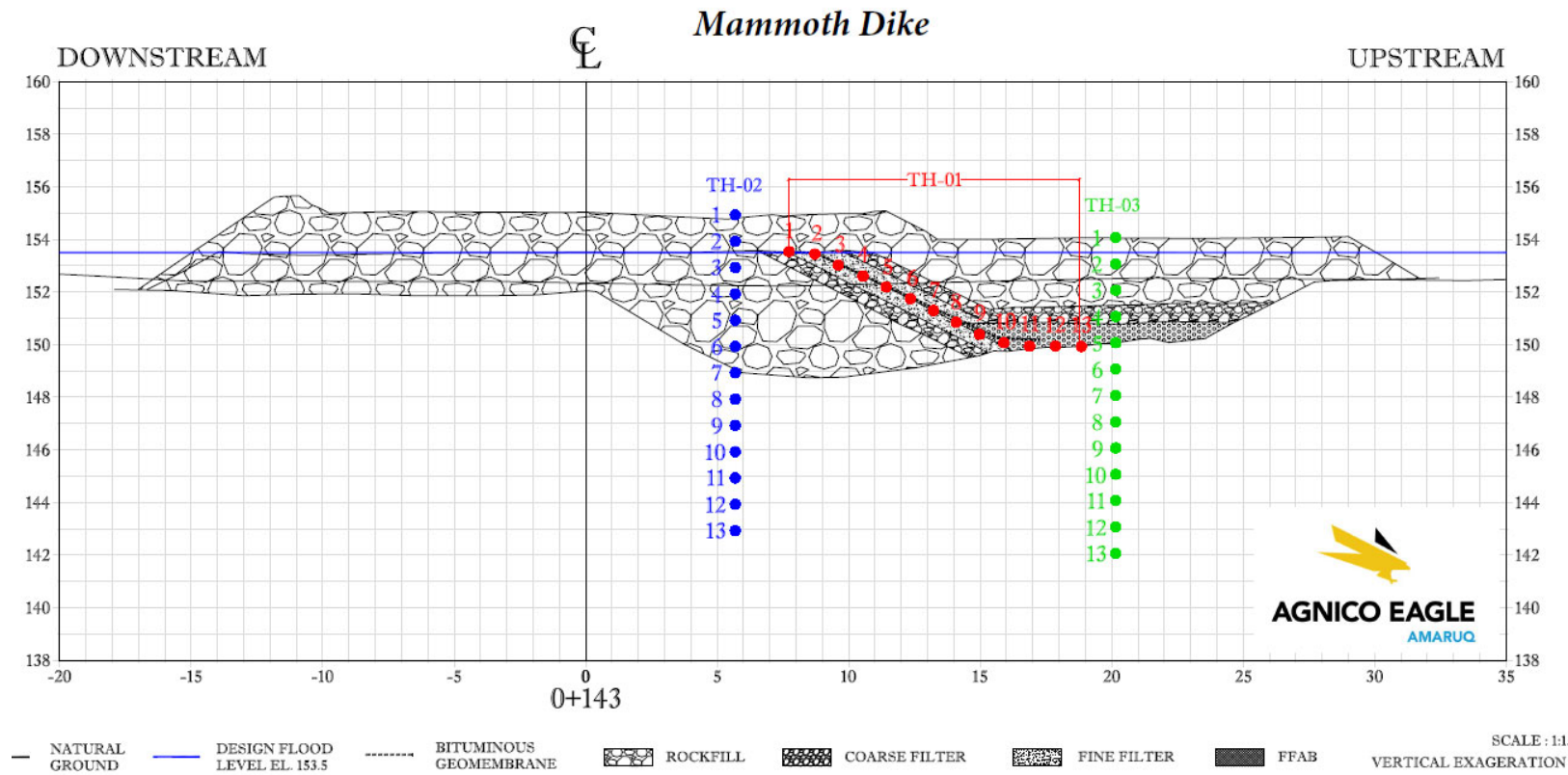
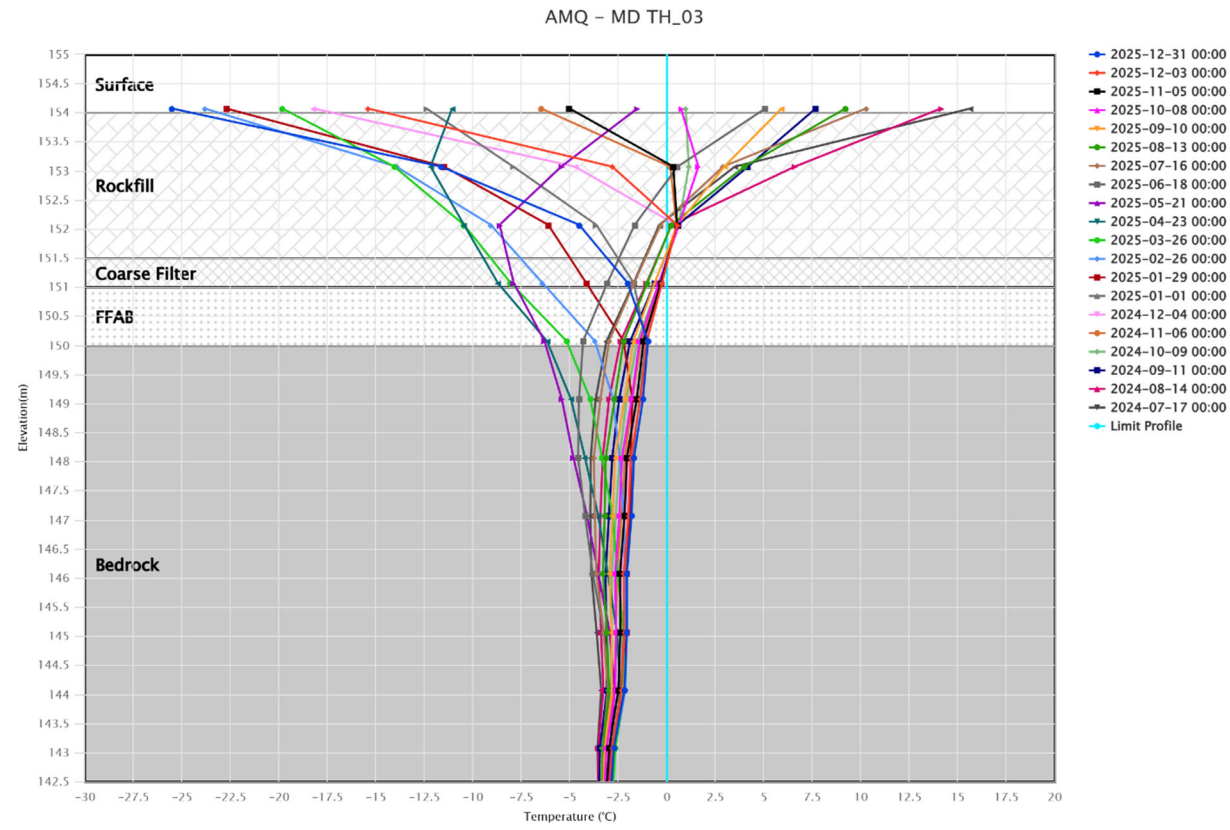
MD TH02



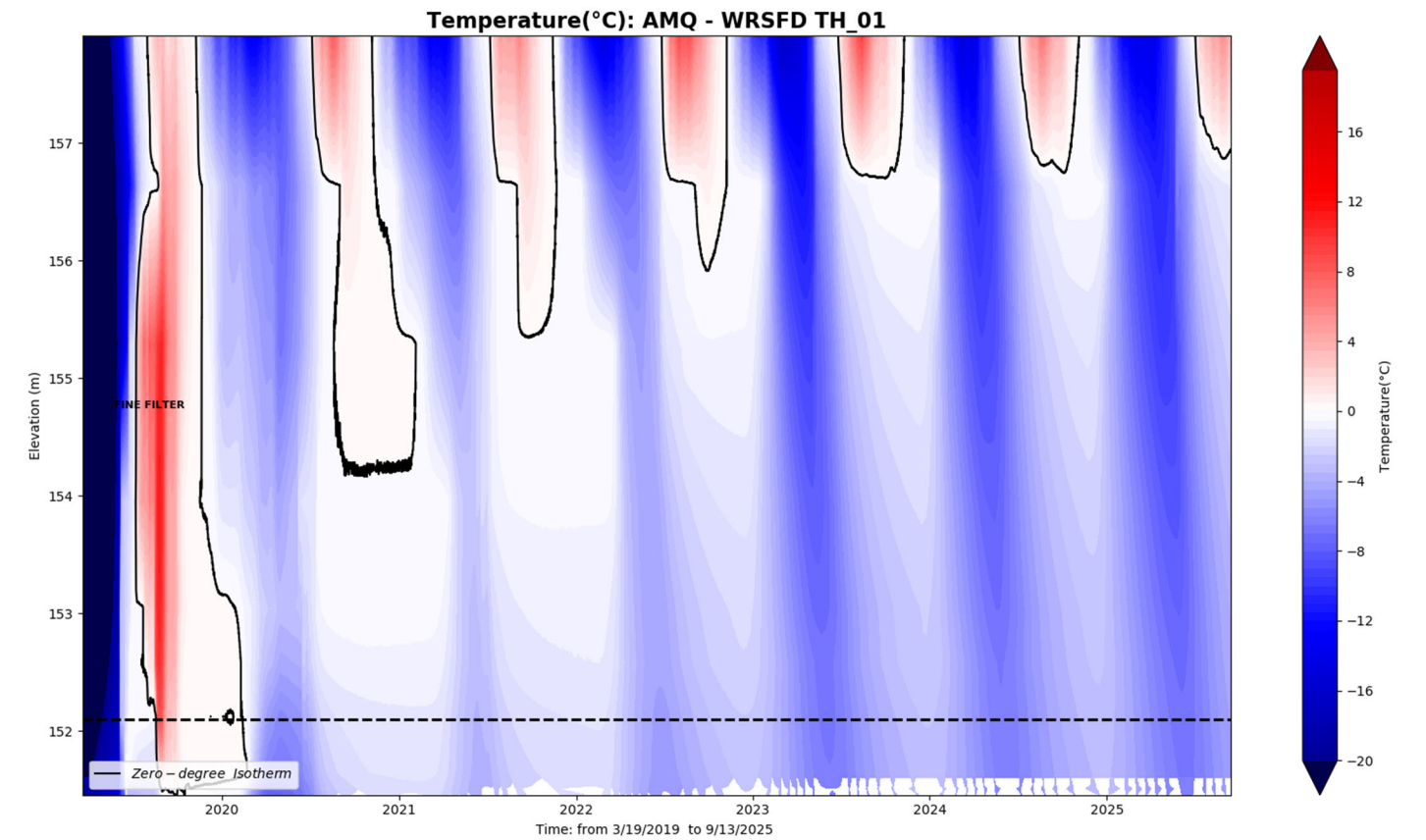
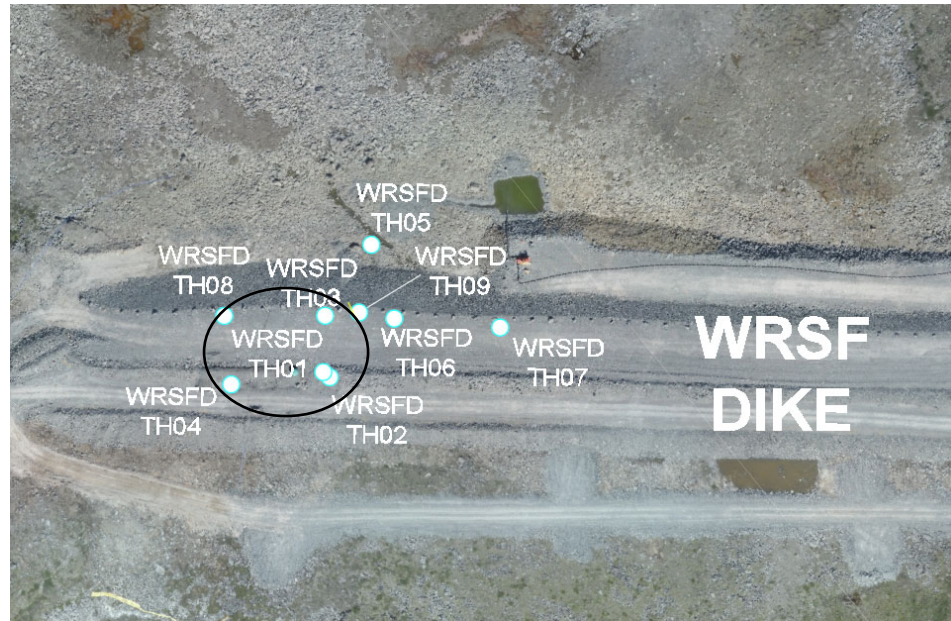
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VERTICAL EXAGGERATION:

MD TH03

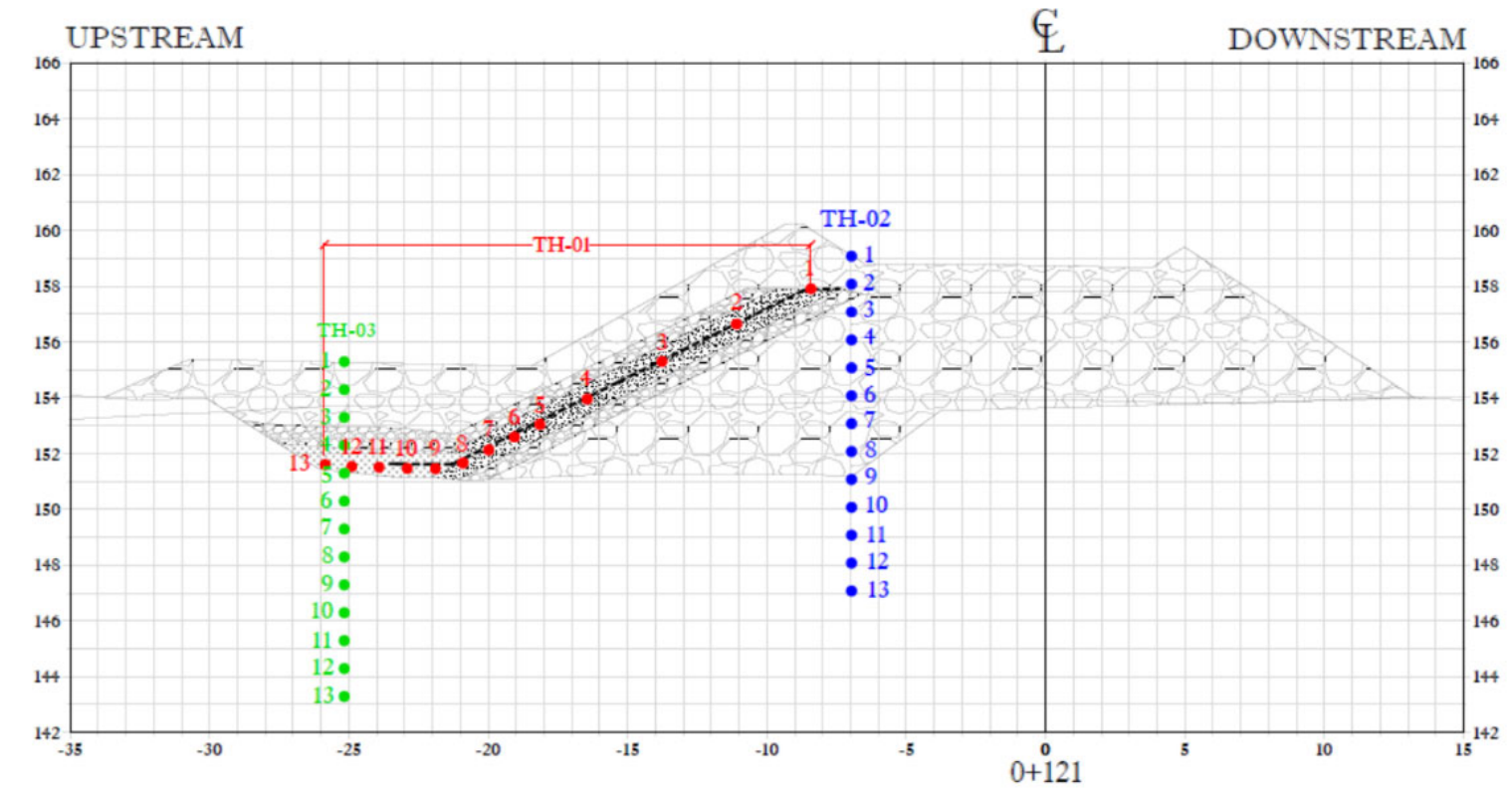
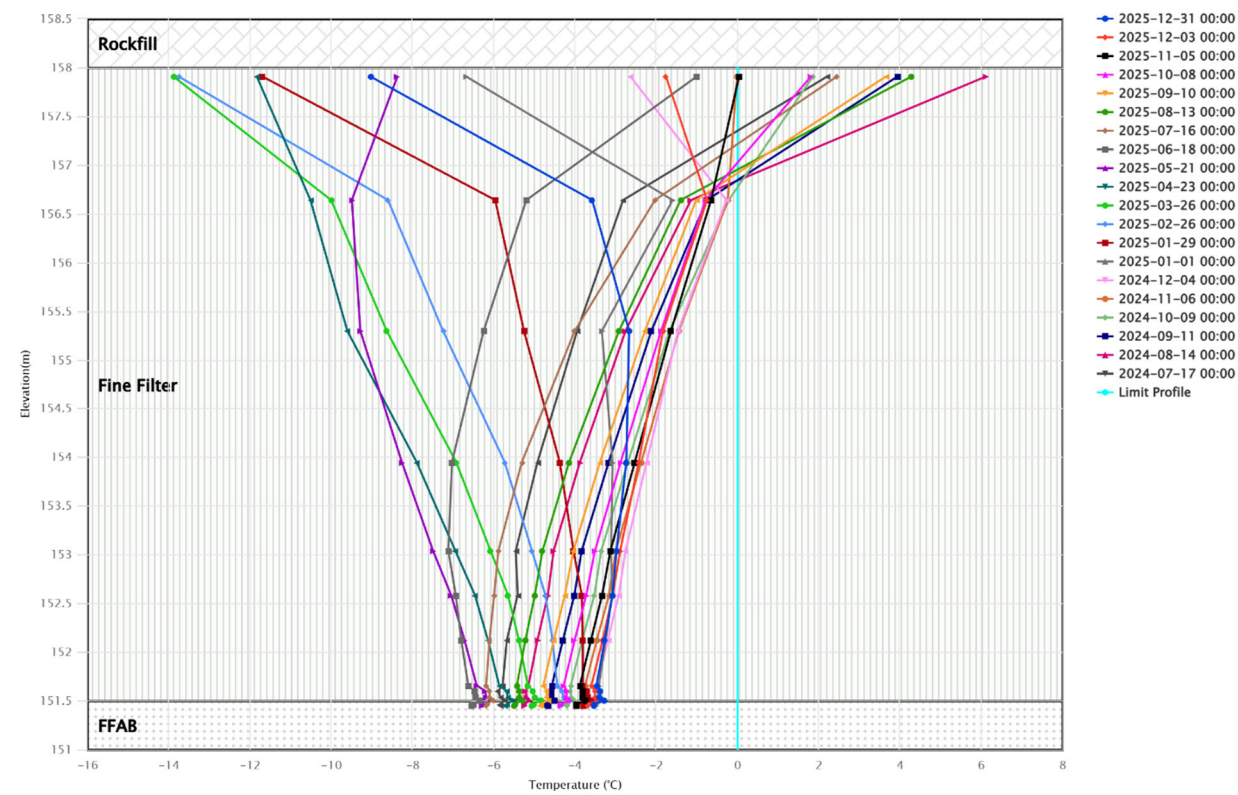




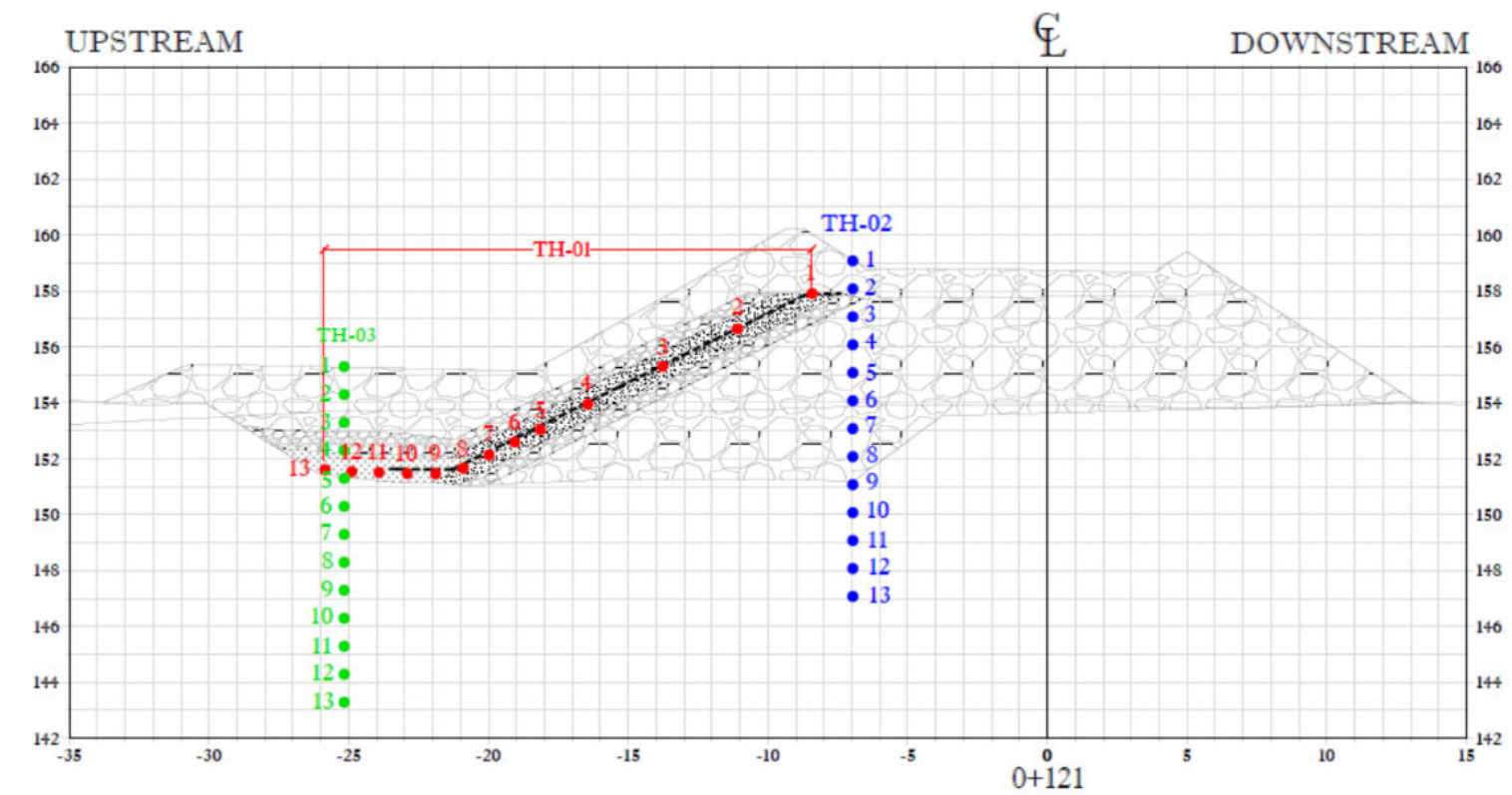
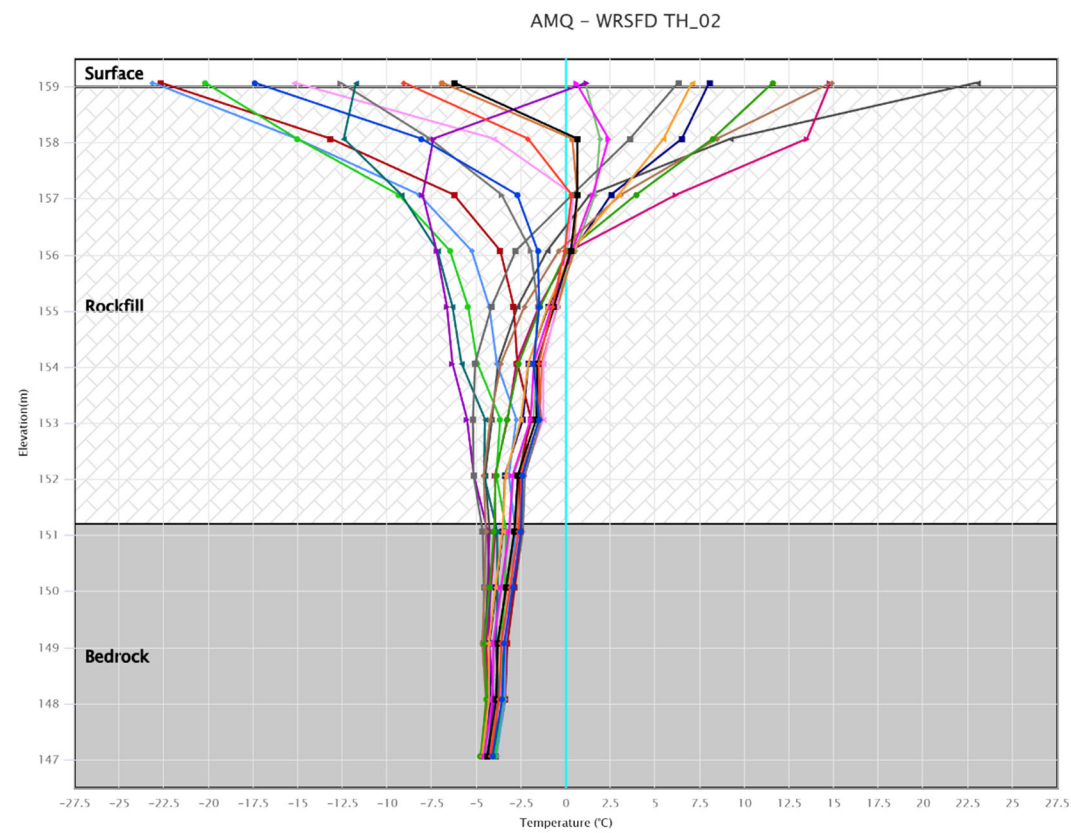
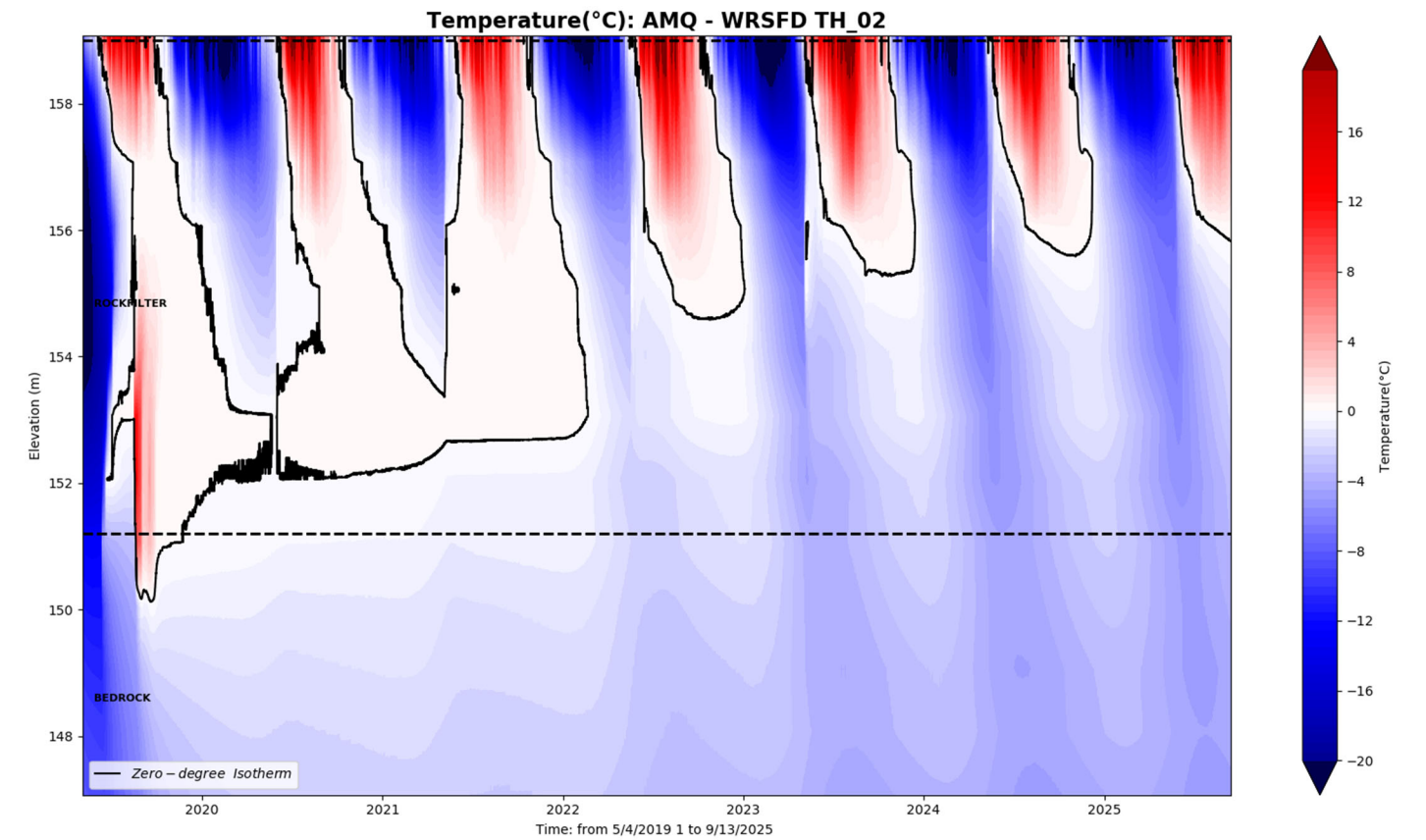
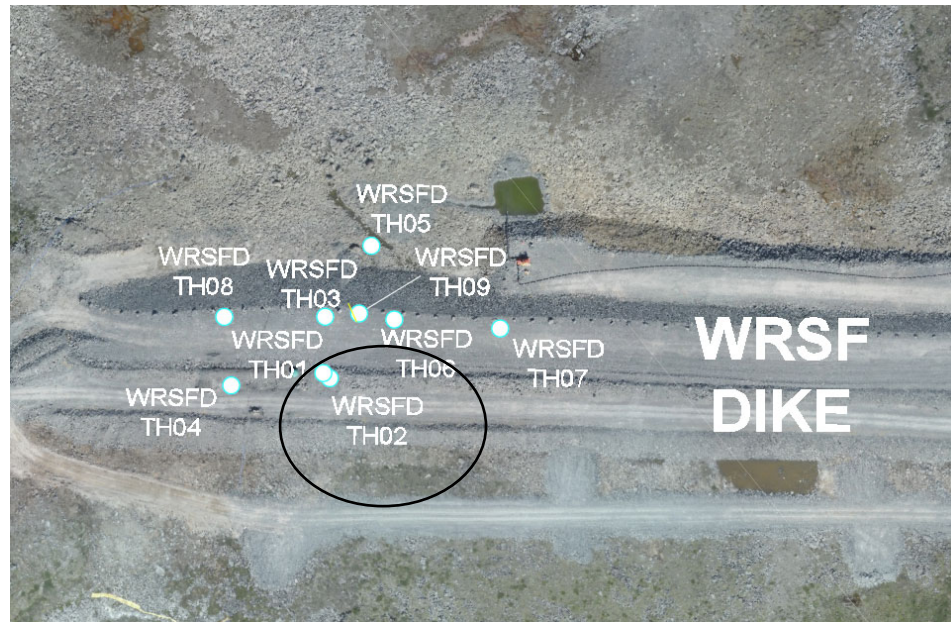
WRSFD TH01



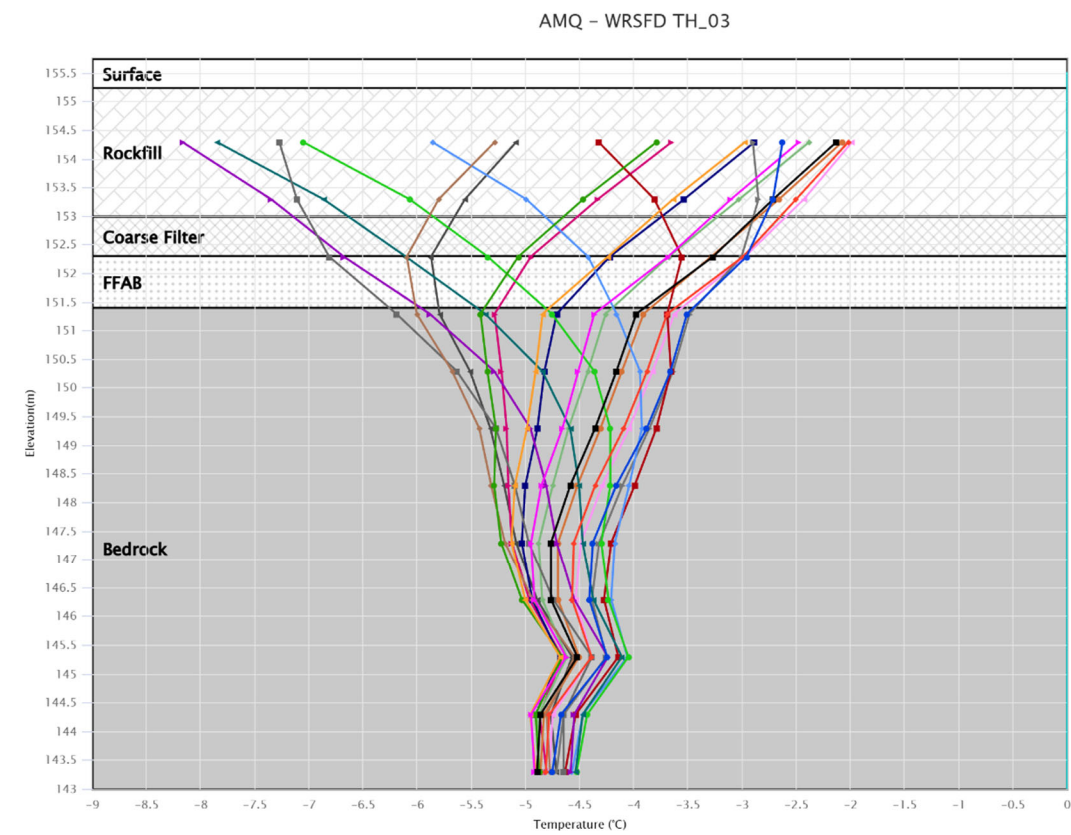
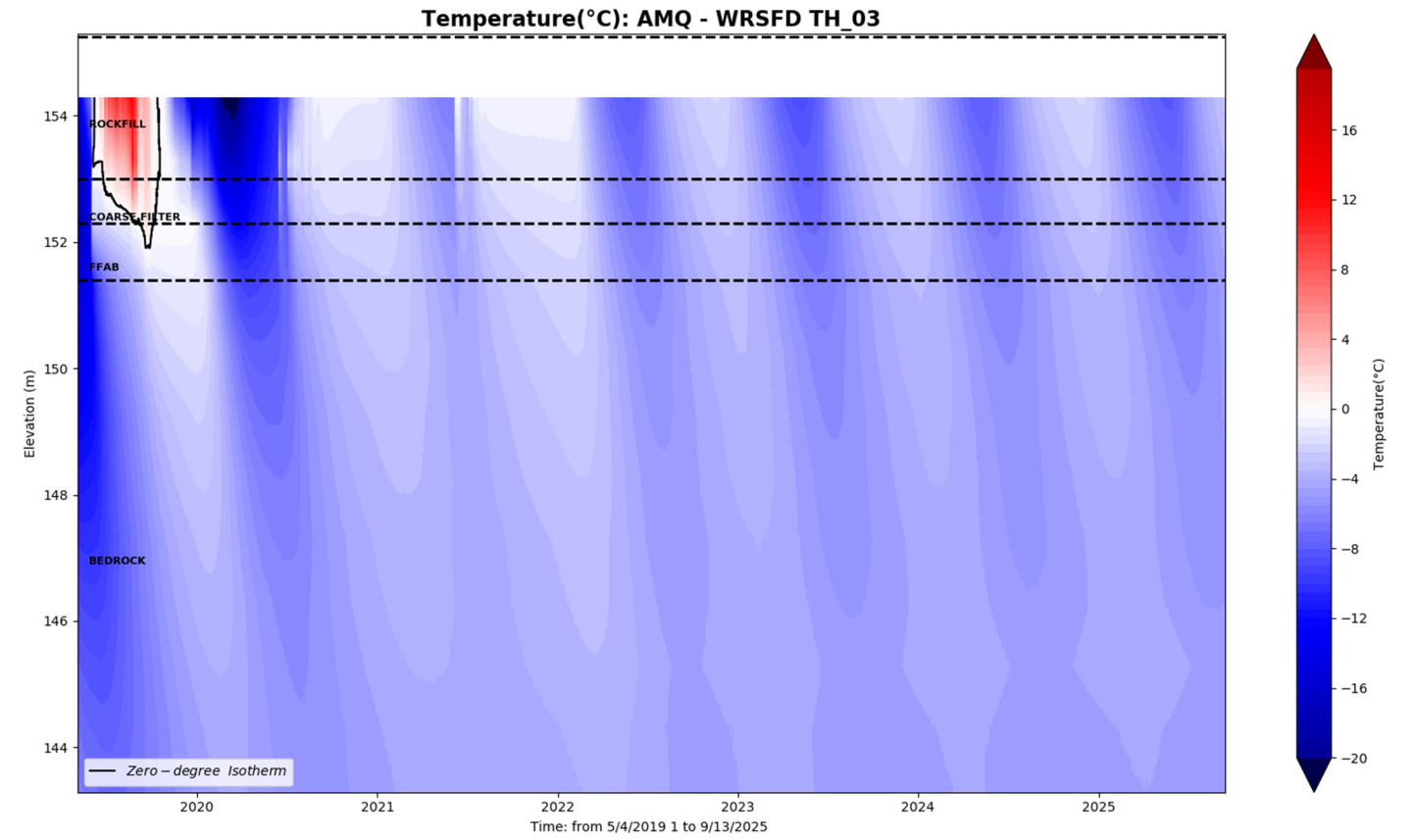
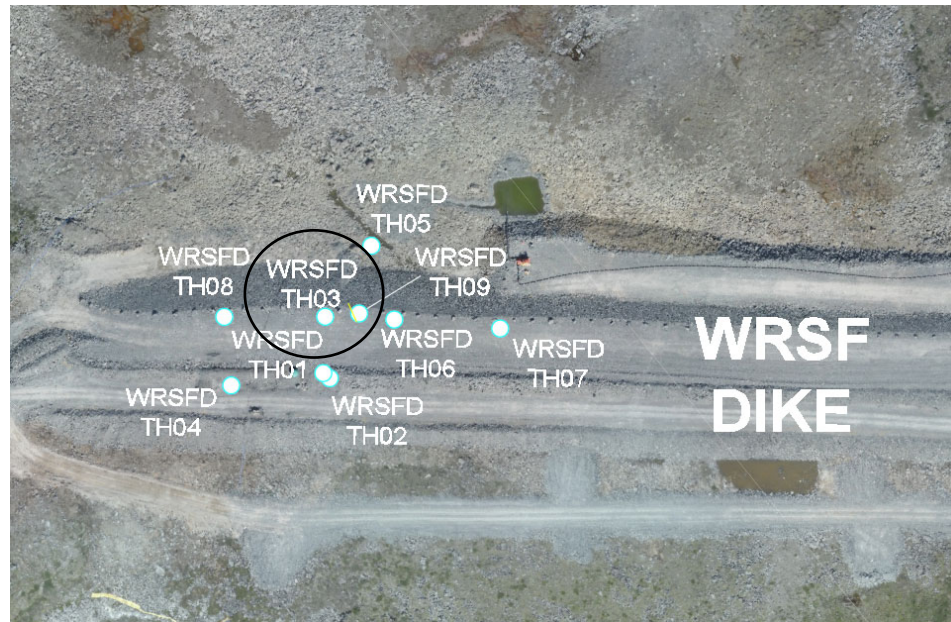
AMQ - WRSFD TH_01



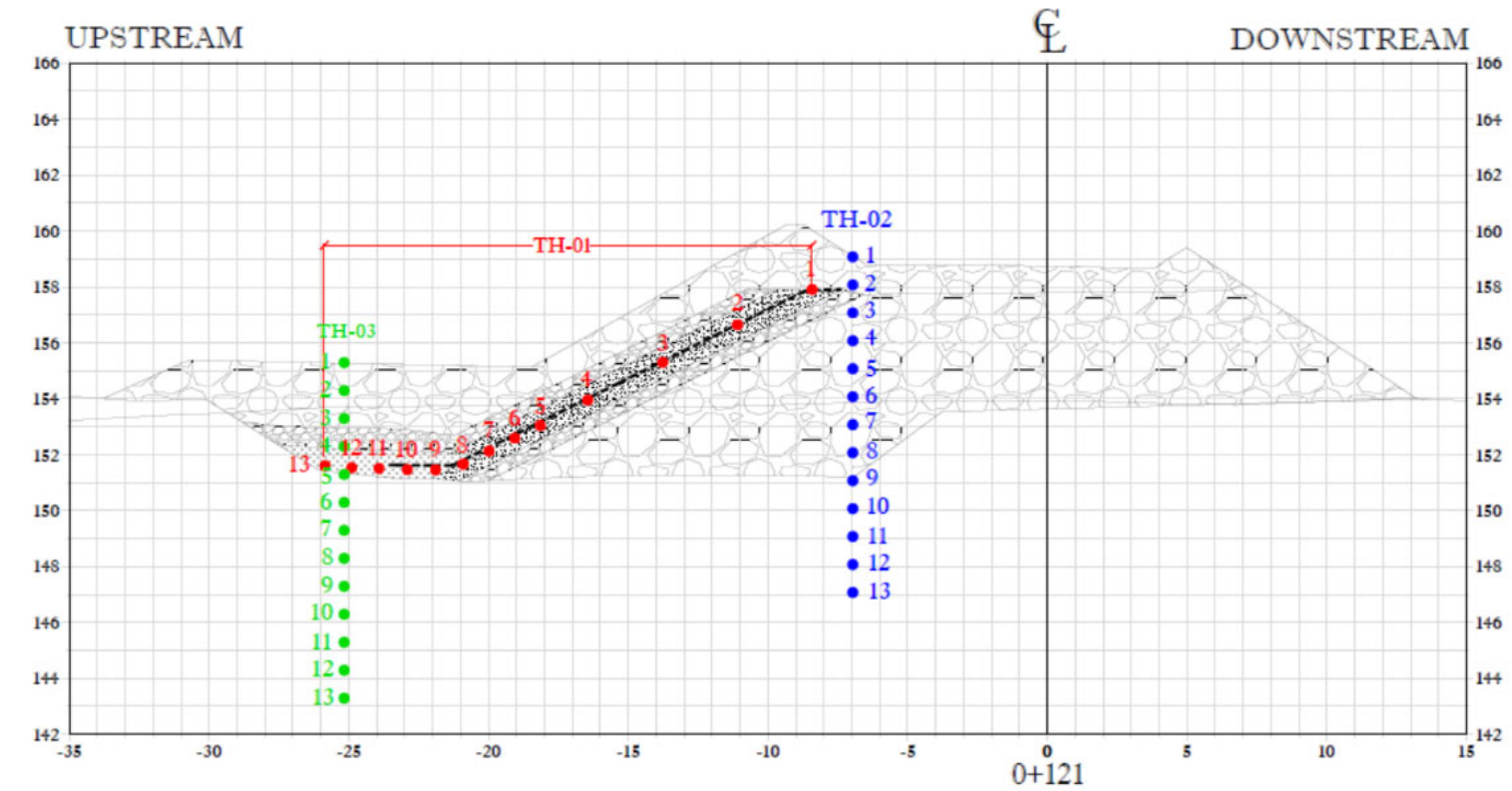
WRSFD TH02



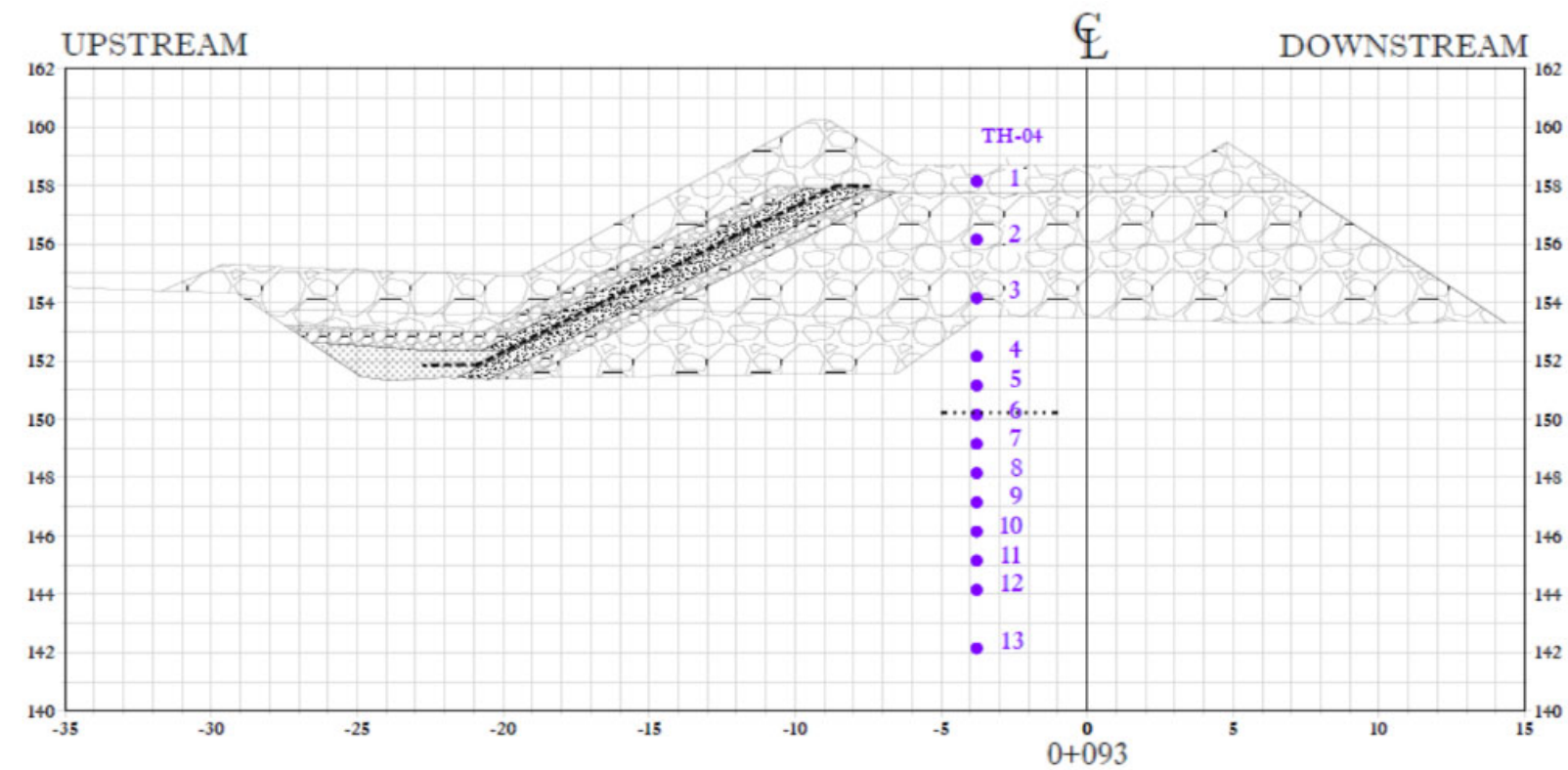
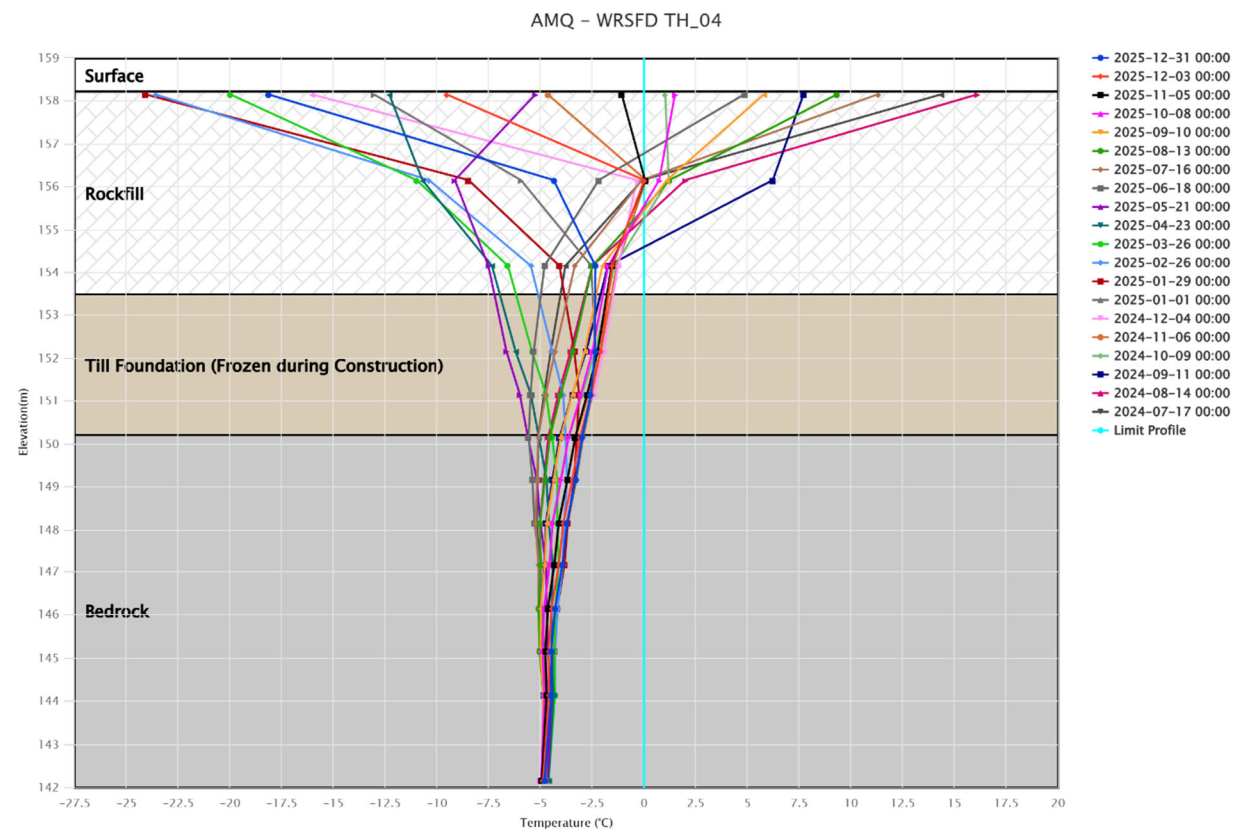
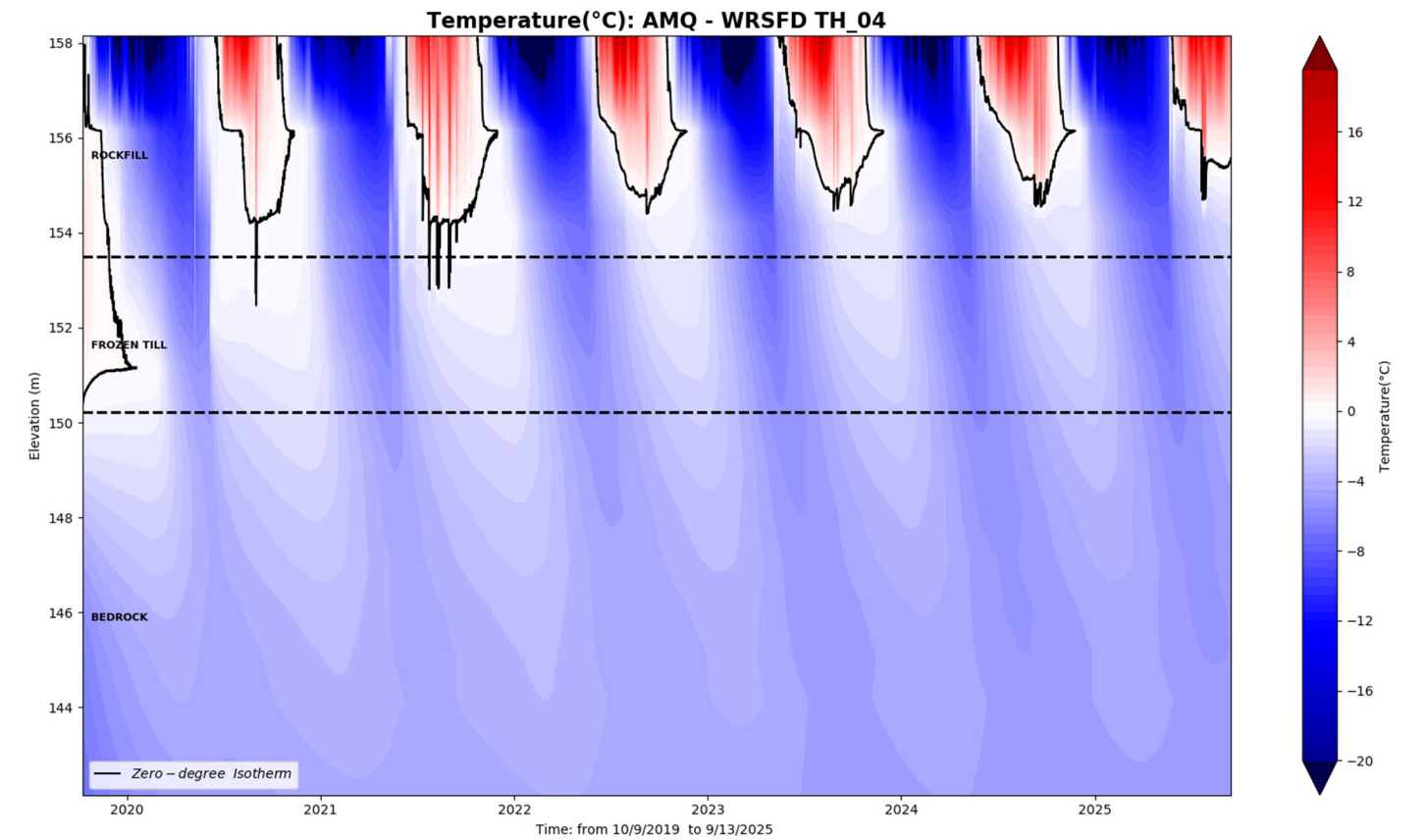
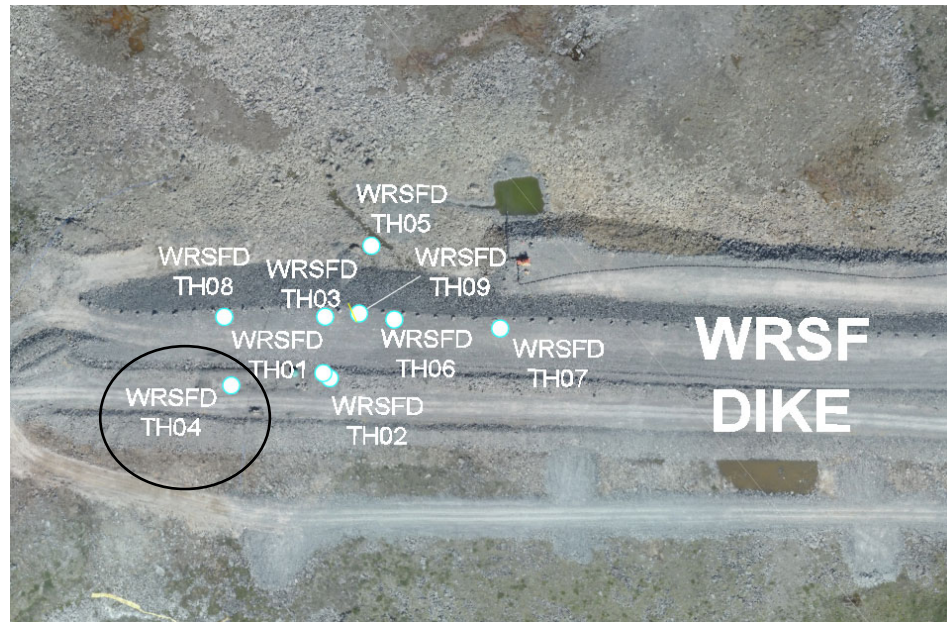
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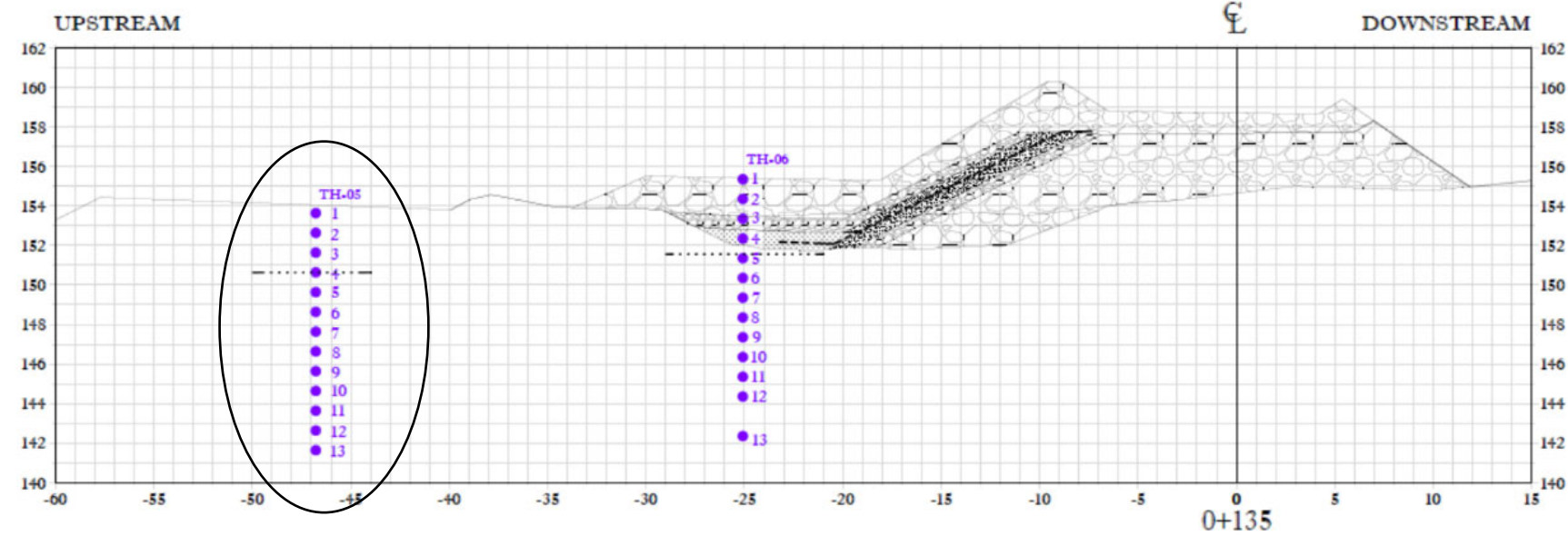
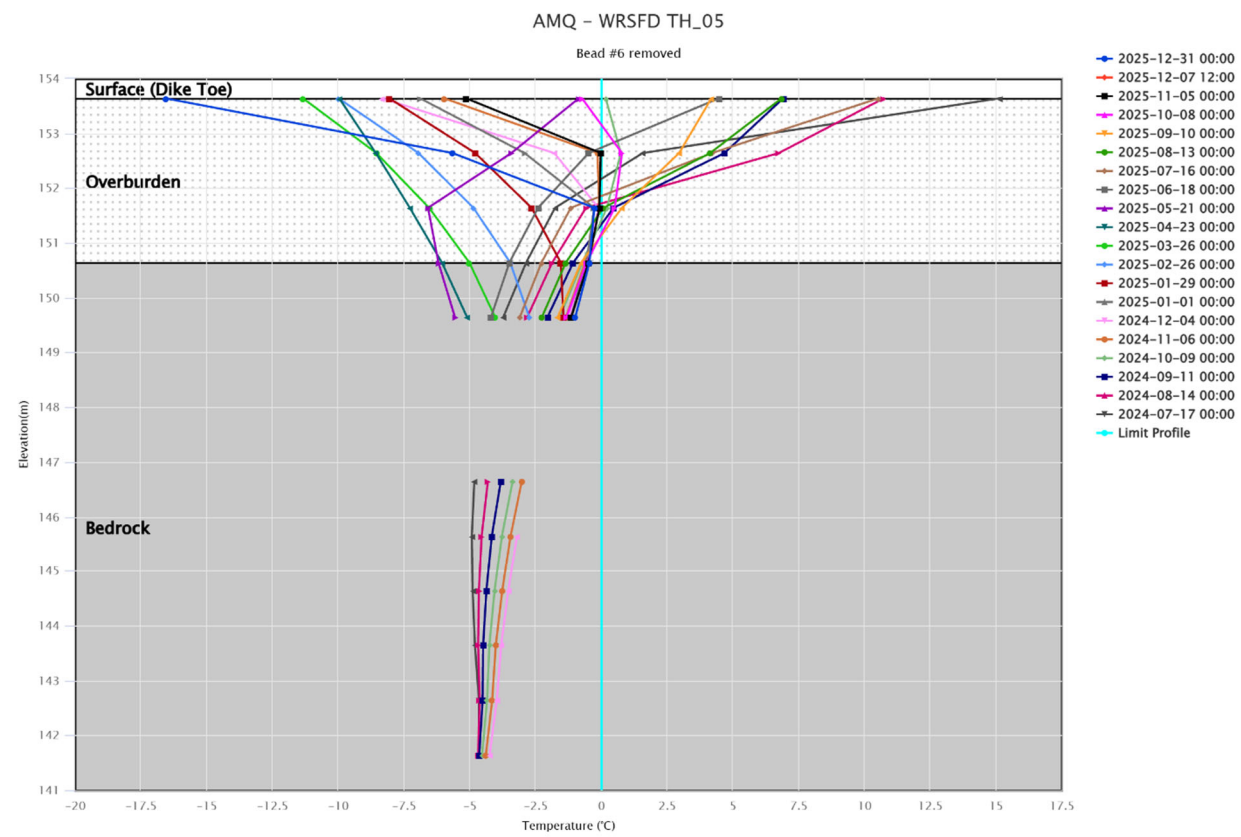
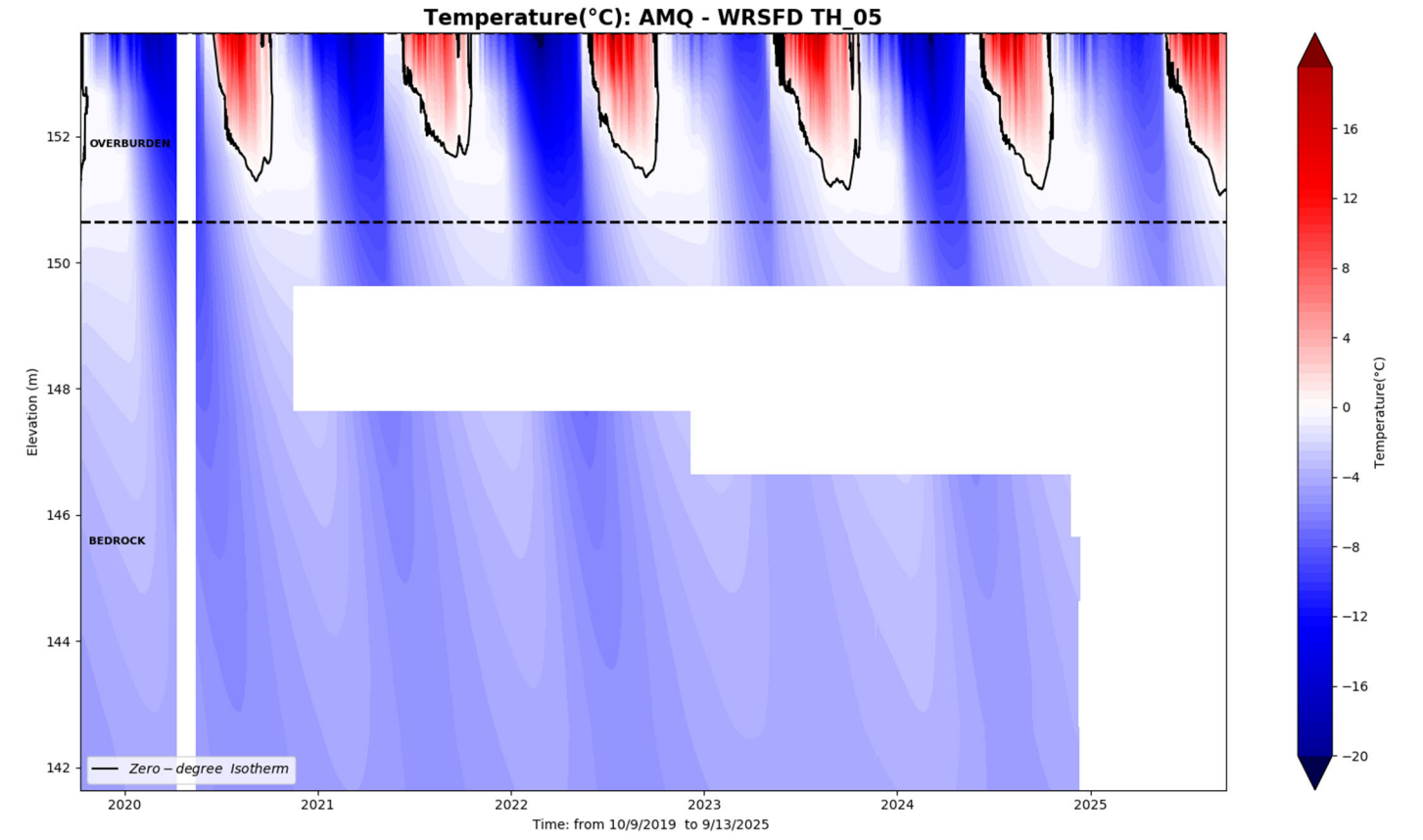
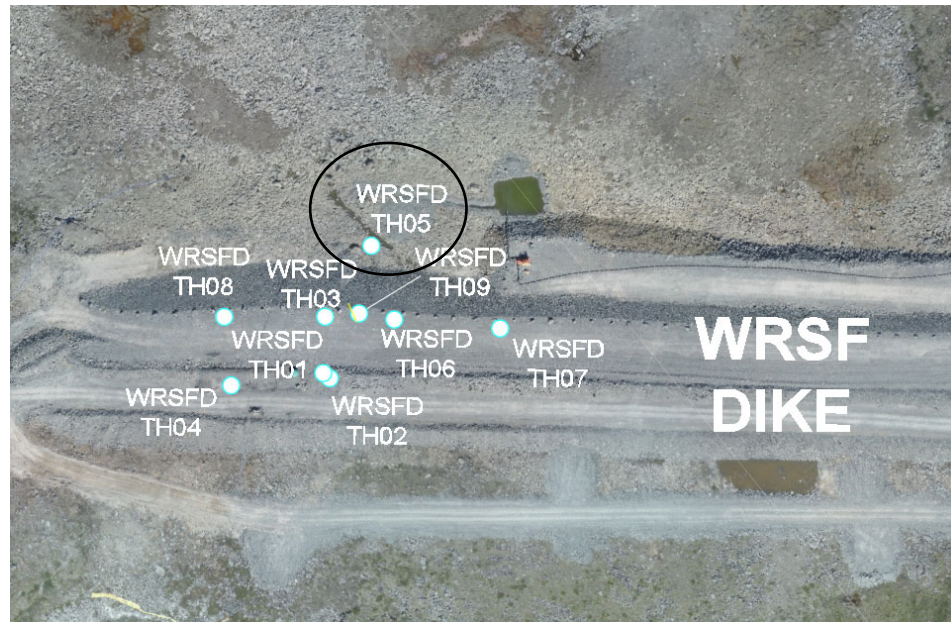
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- 2025-12-03 00:00
- 2025-11-05 00:00
- 2025-10-08 00:00
- 2025-09-10 00:00
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- 2025-07-16 00:00
- 2025-06-18 00:00
- 2025-05-21 00:00
- 2025-04-23 00:00
- 2025-03-26 00:00
- 2025-02-26 00:00
- 2025-01-29 00:00
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- 2024-12-04 00:00
- 2024-11-06 00:00
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- 2024-08-14 00:00
- 2024-07-17 00:00
- Limit Profile



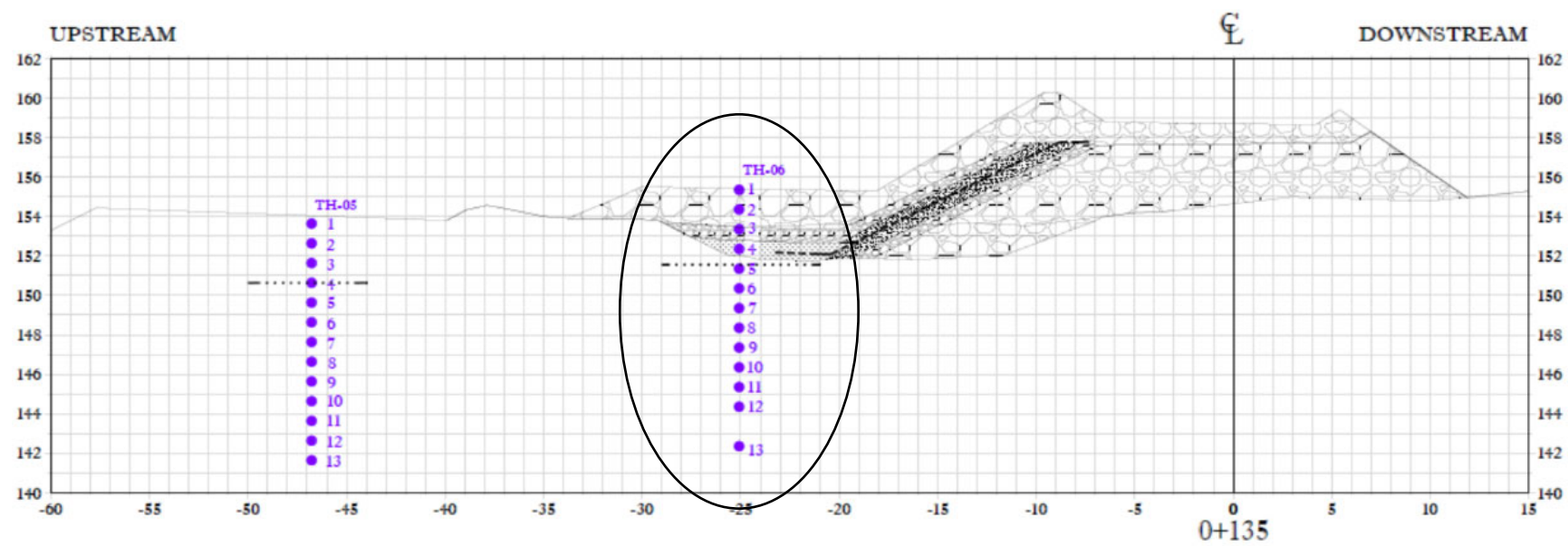
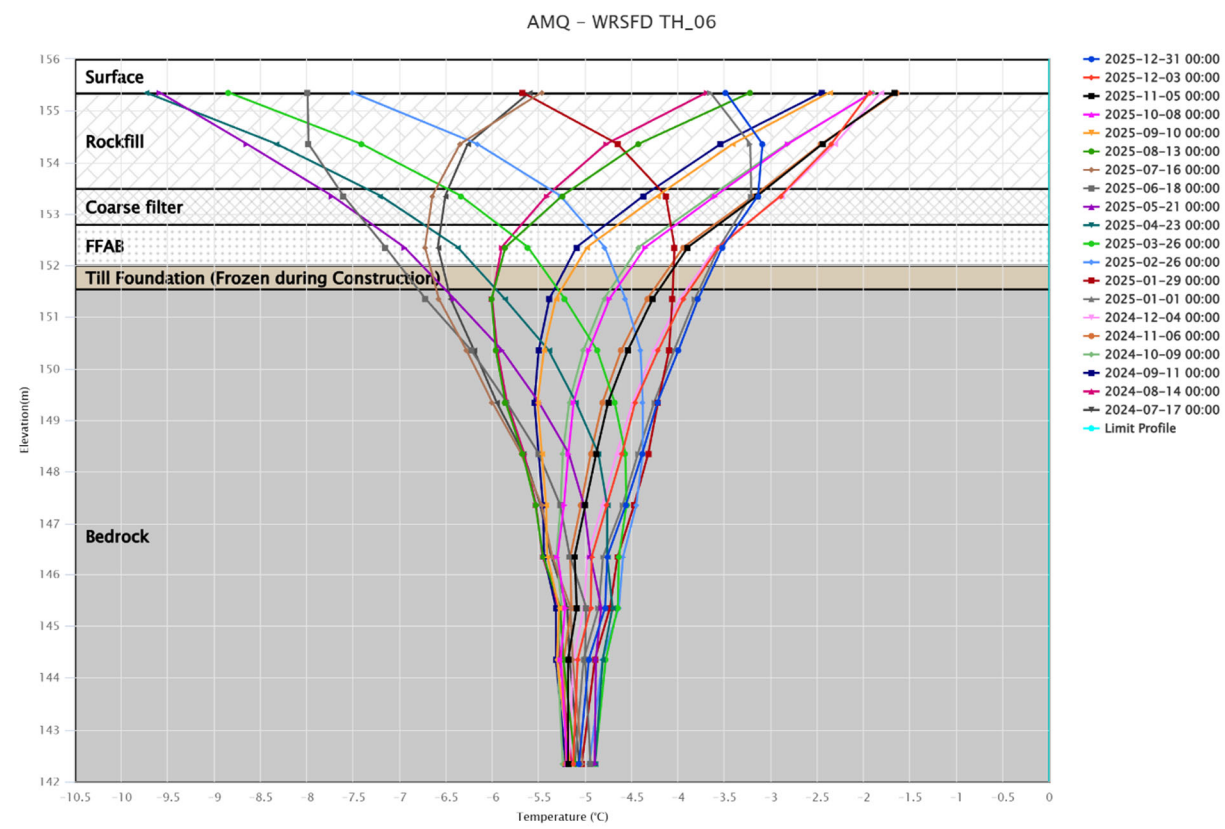
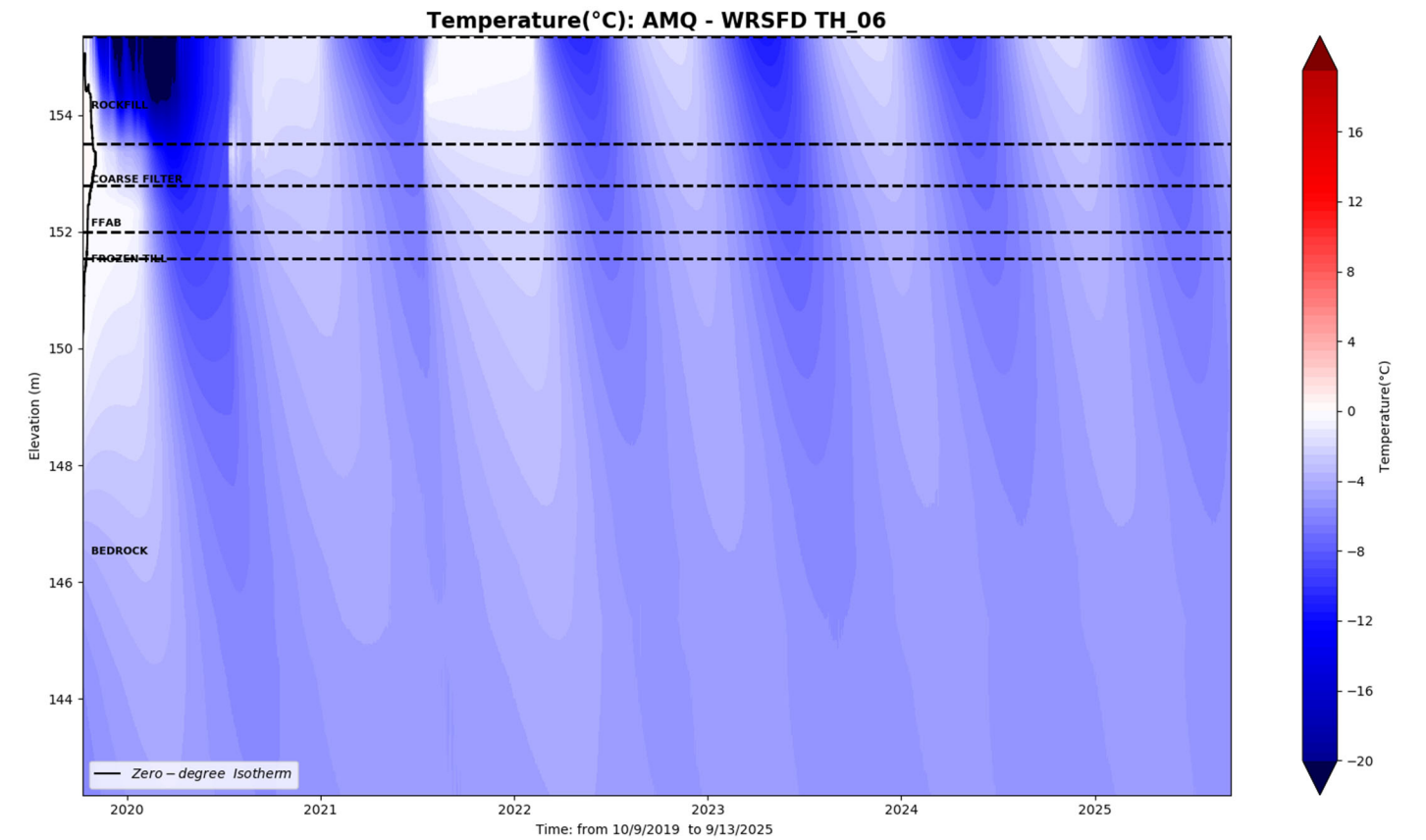
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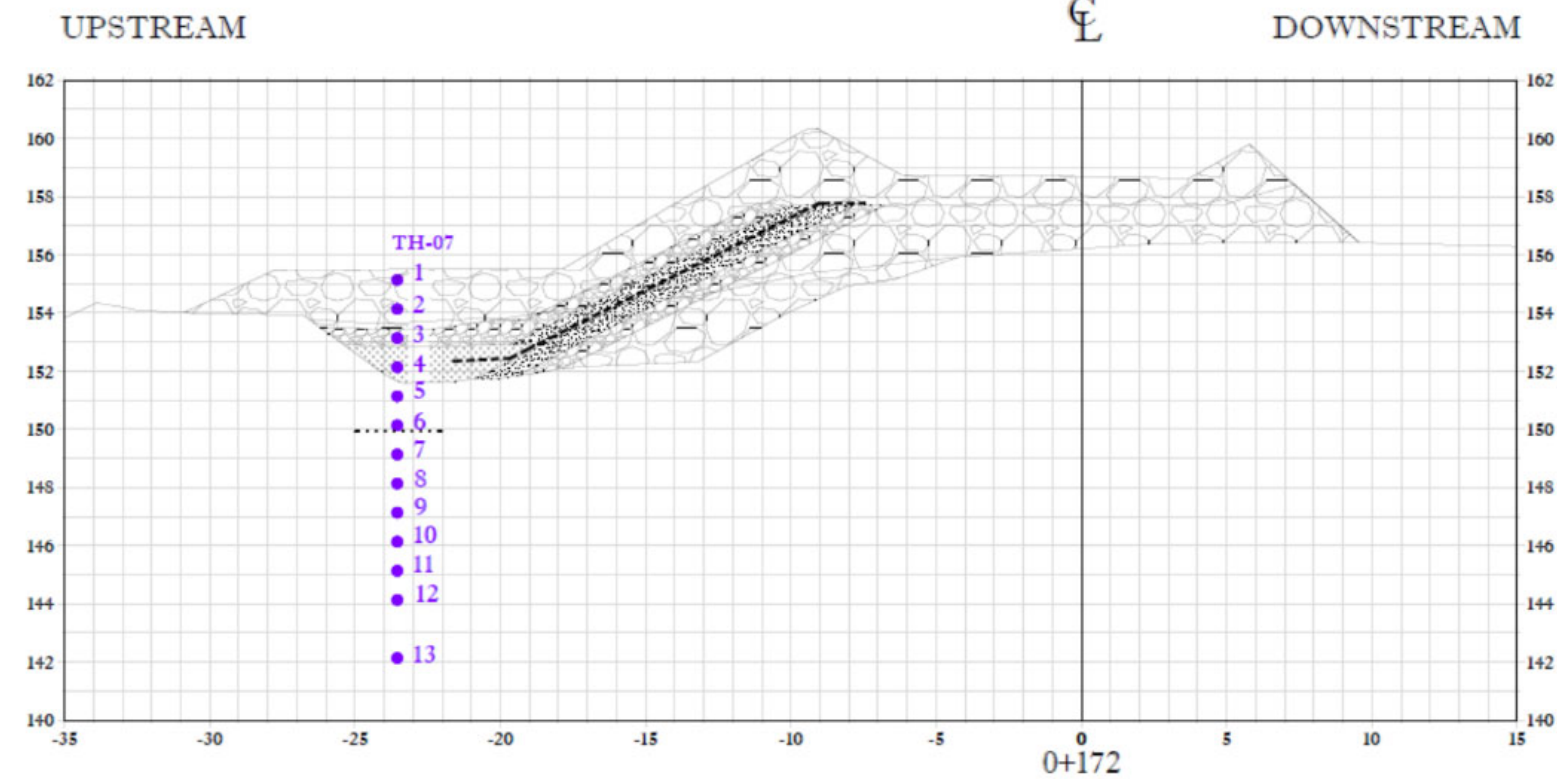
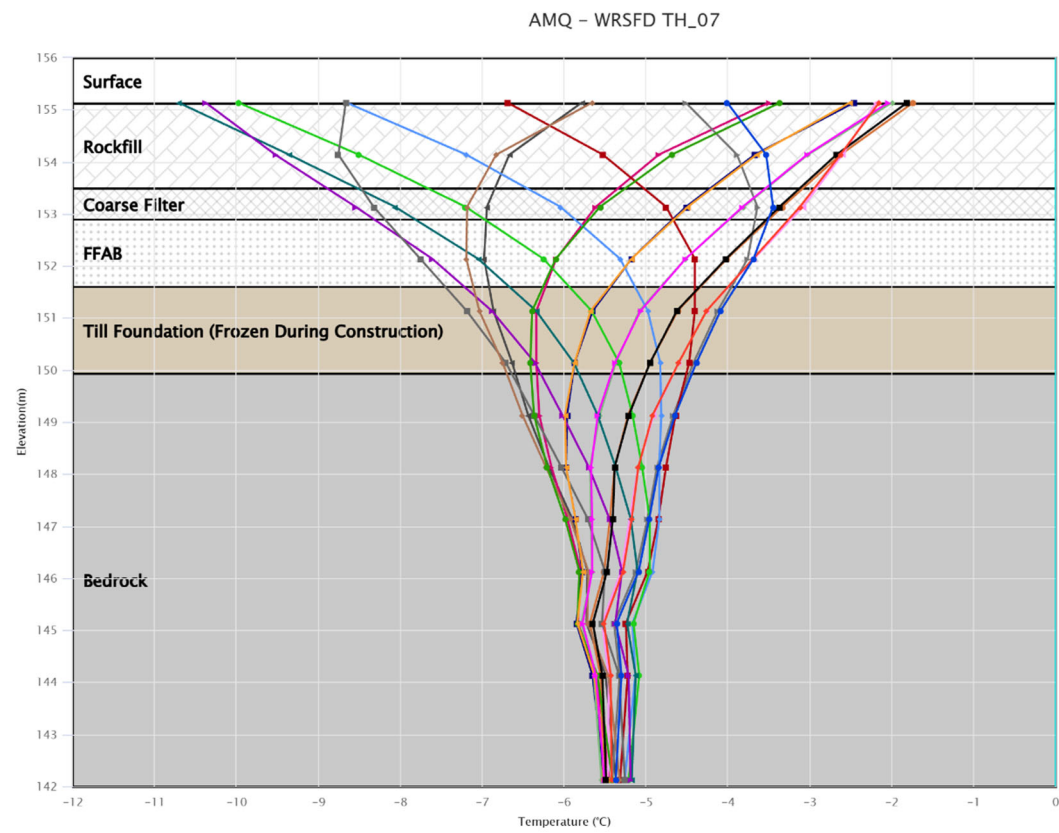
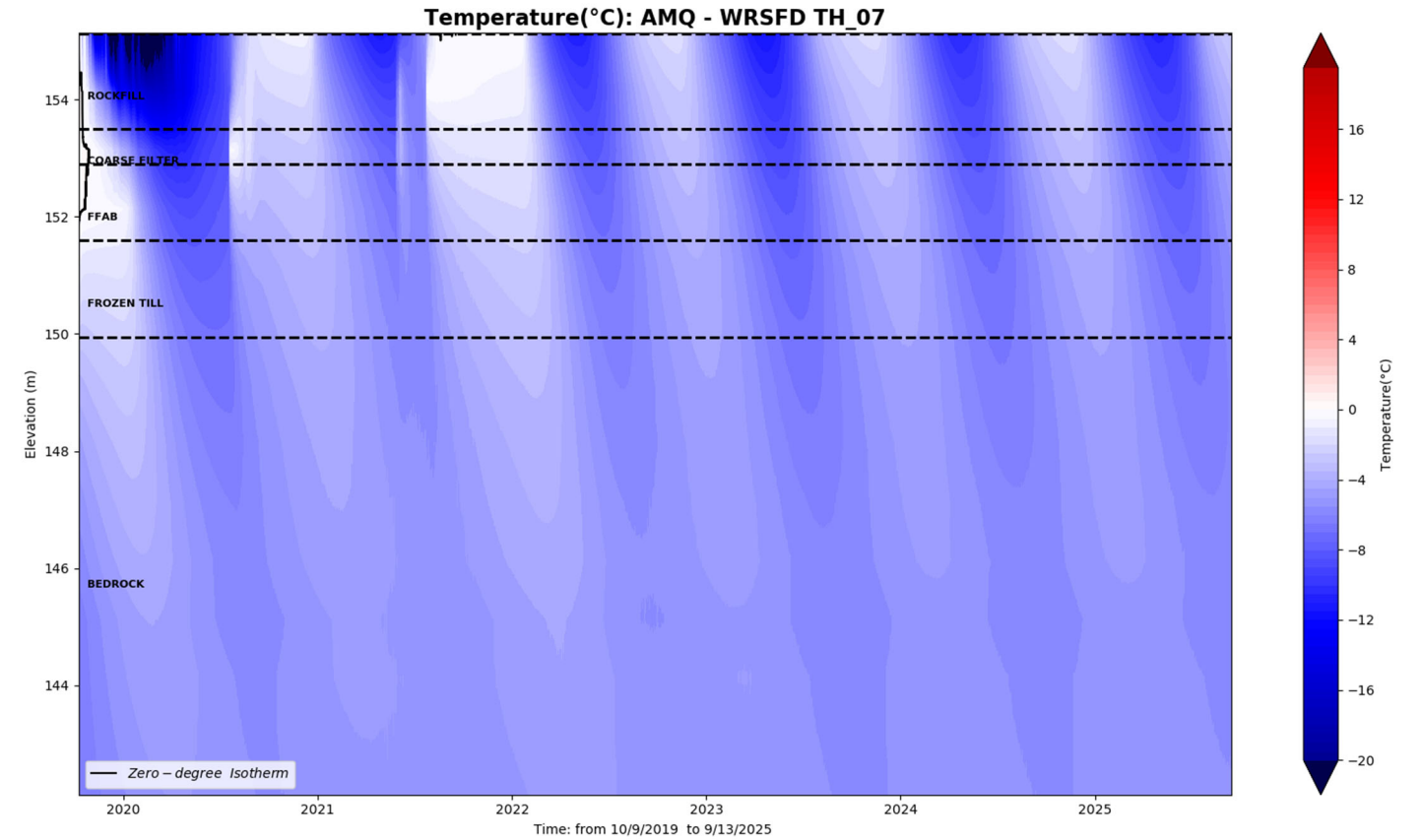
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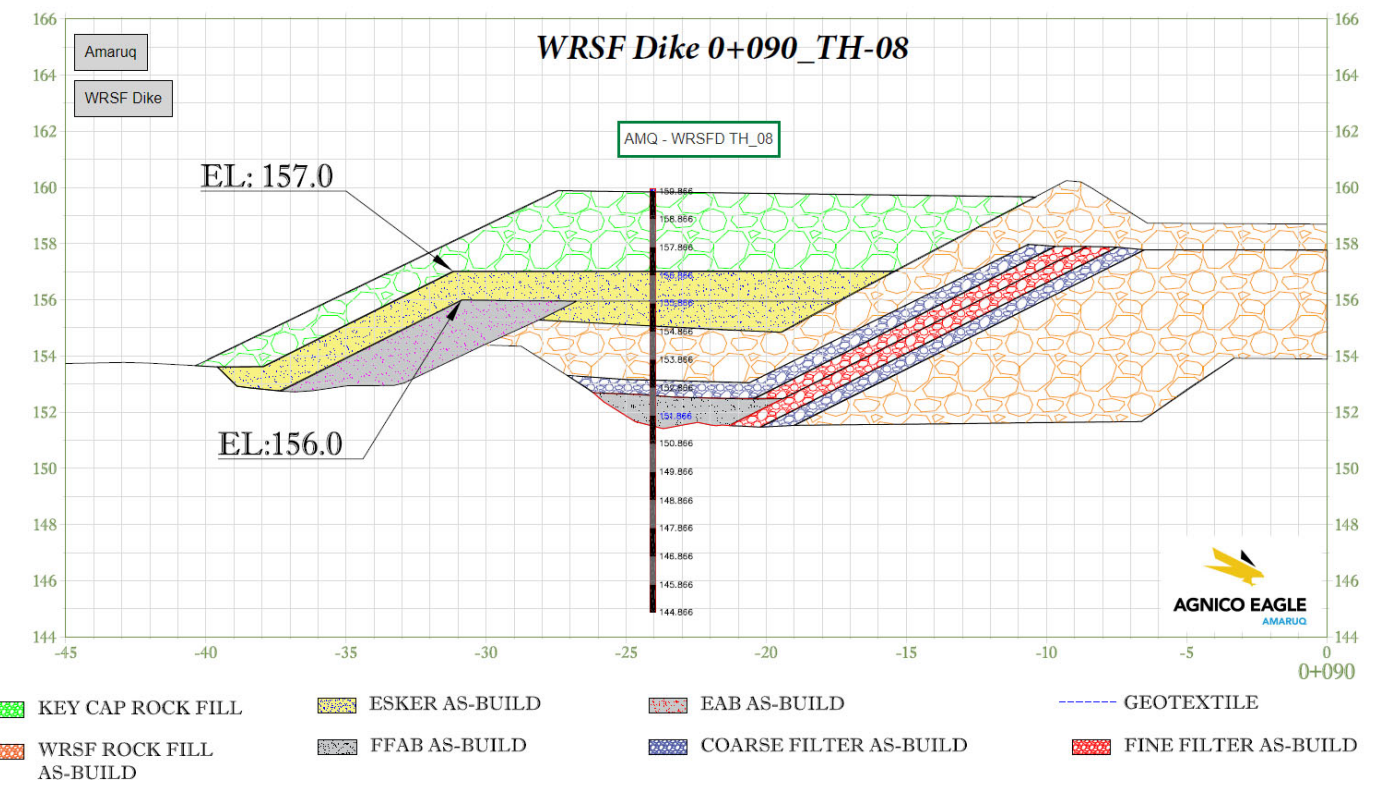
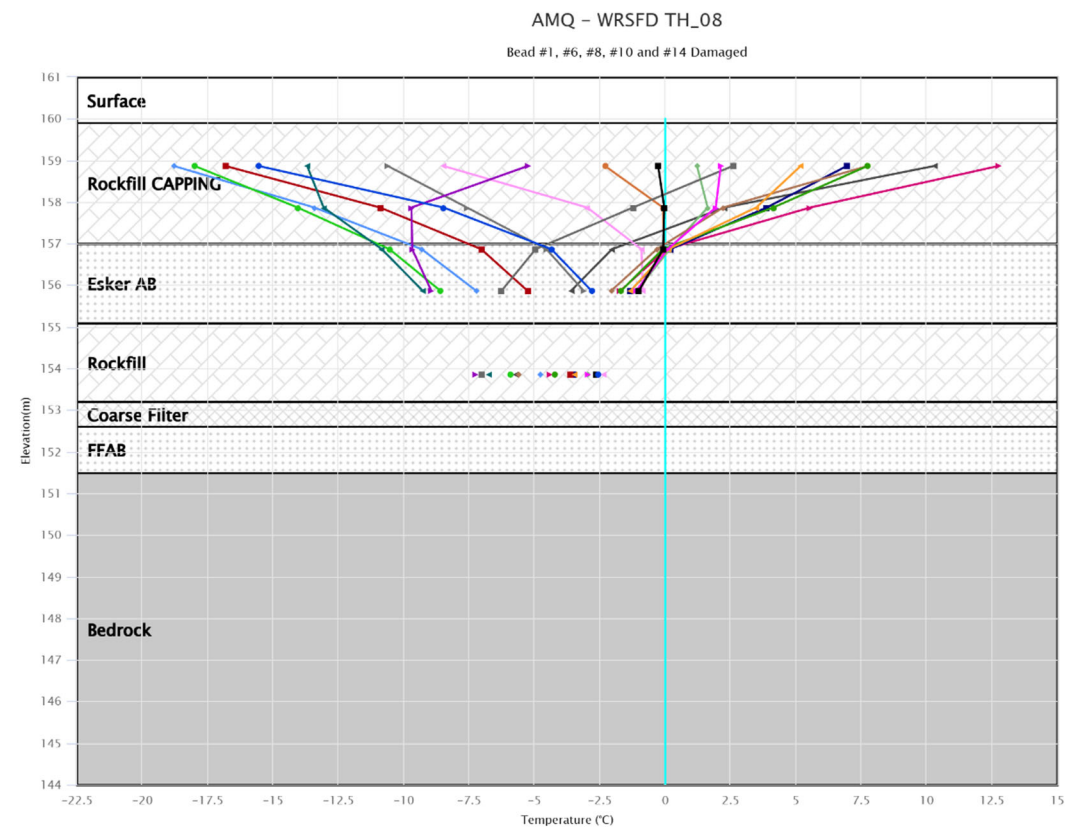
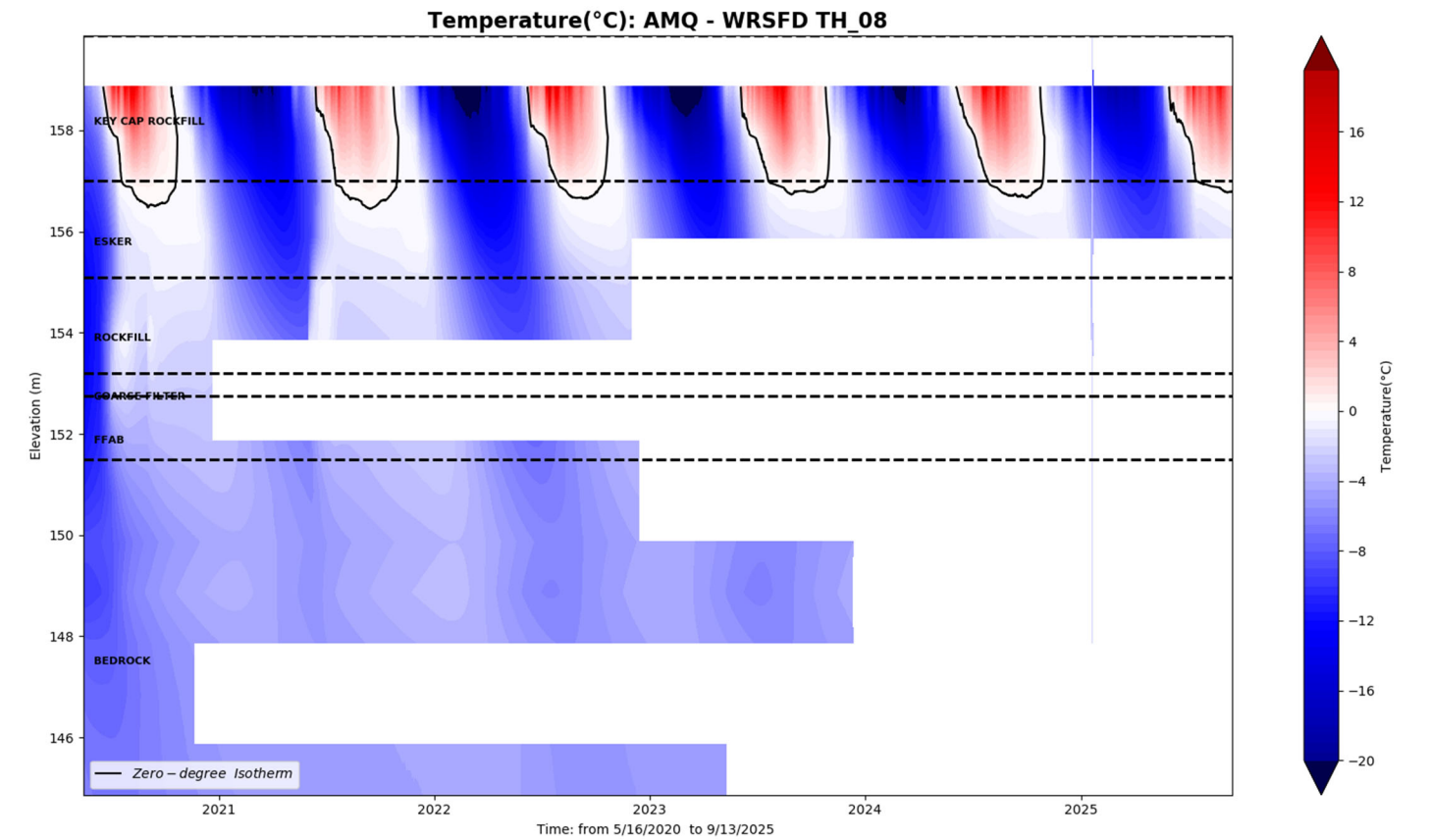
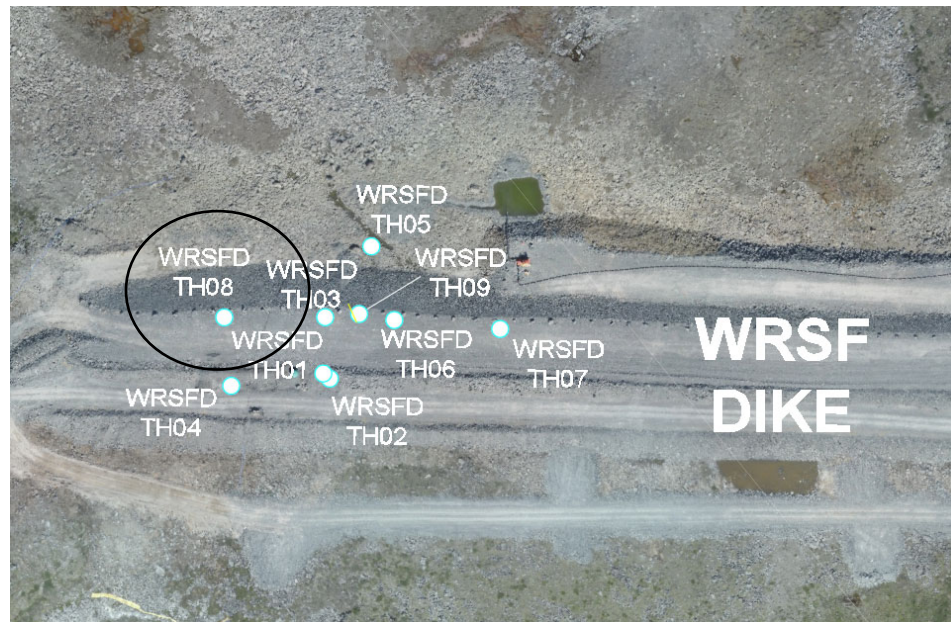
WRSFD TH06



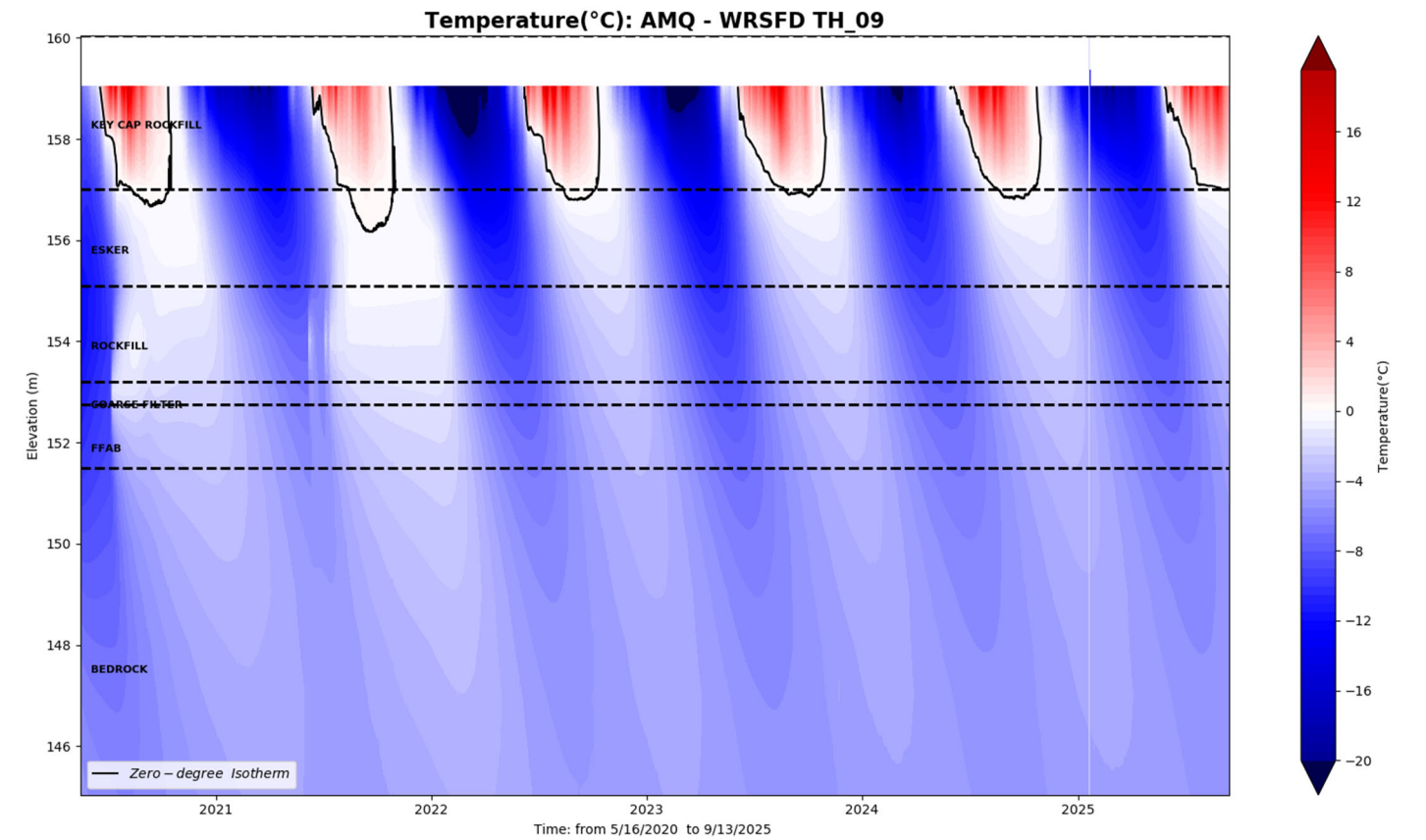
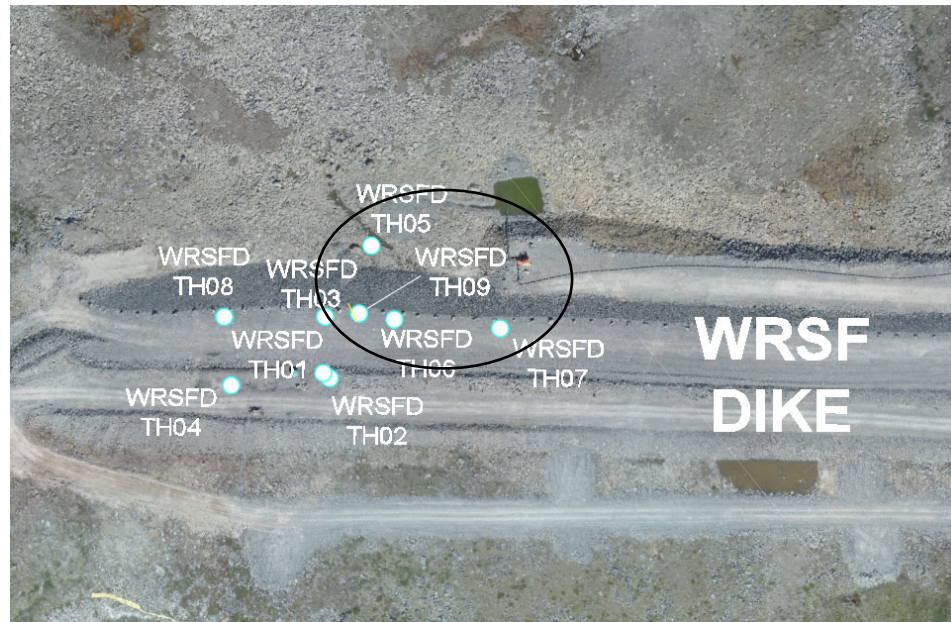
WRSFD TH07



WRSFD TH08

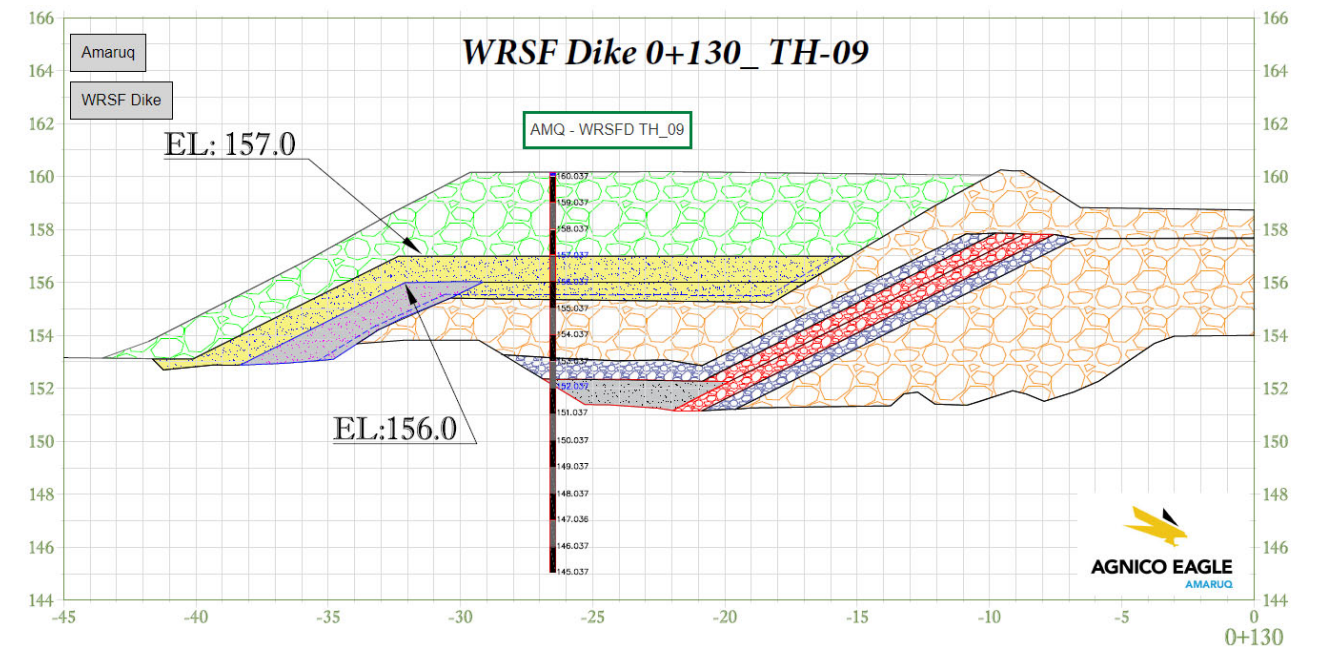
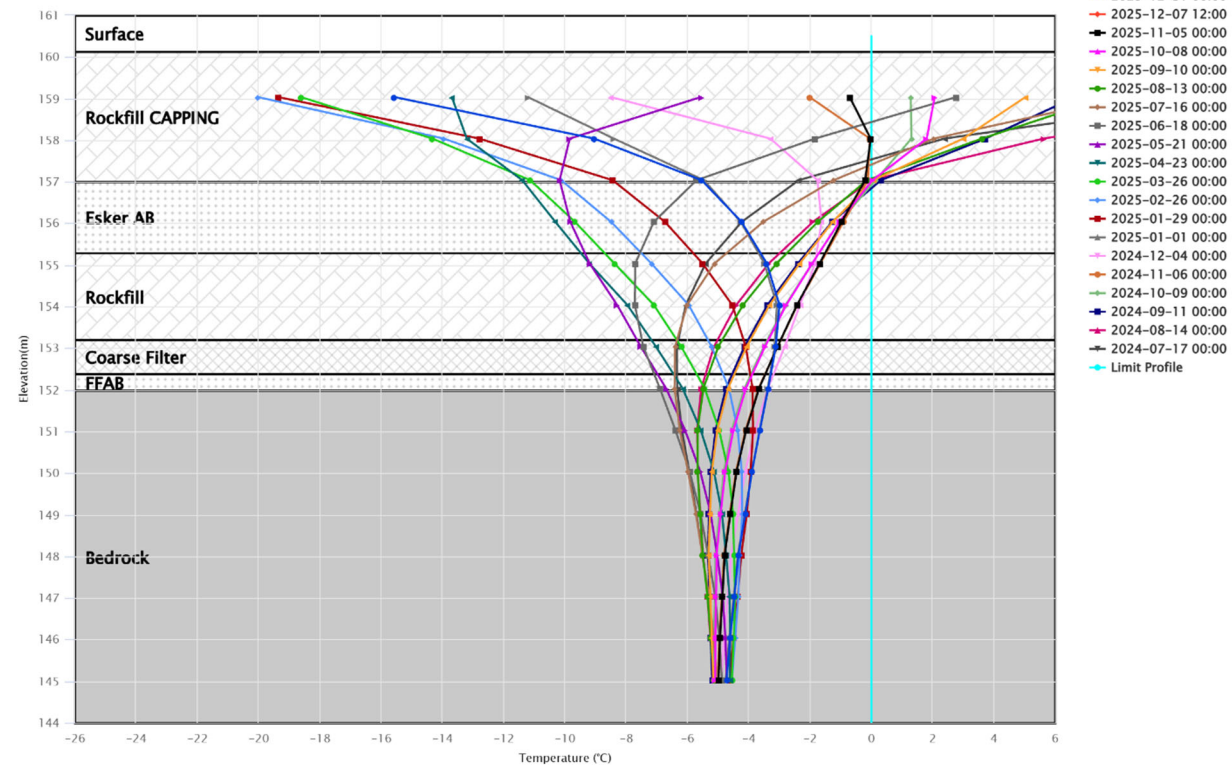


WRSFD TH09



AMQ - WRSFD TH_09

Bead #1 removed



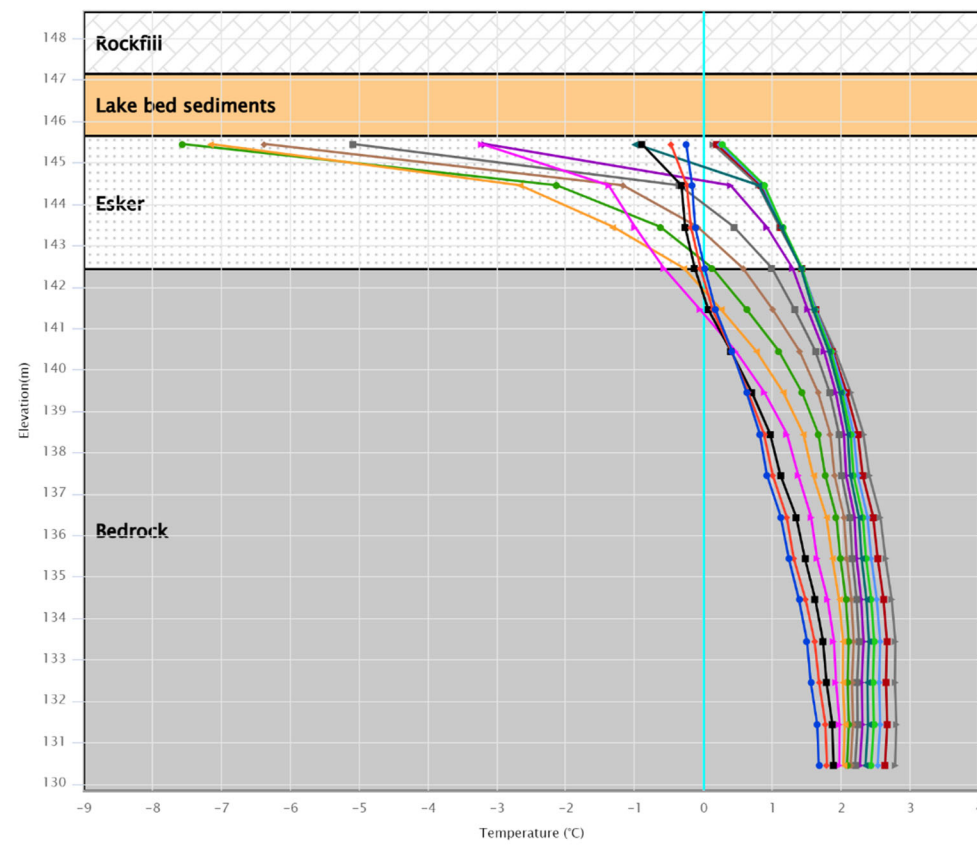
- KEY CAP ROCK FILL
- ESKER AS-BUILD
- EAB AS-BUILD
- GEOTEXTILE
- WRSF ROCK FILL AS-BUILD
- COARSE FILTER
- FFAB AS-BUILD
- FINE FILTER AS-BUILD



PSW – DH 2 TH

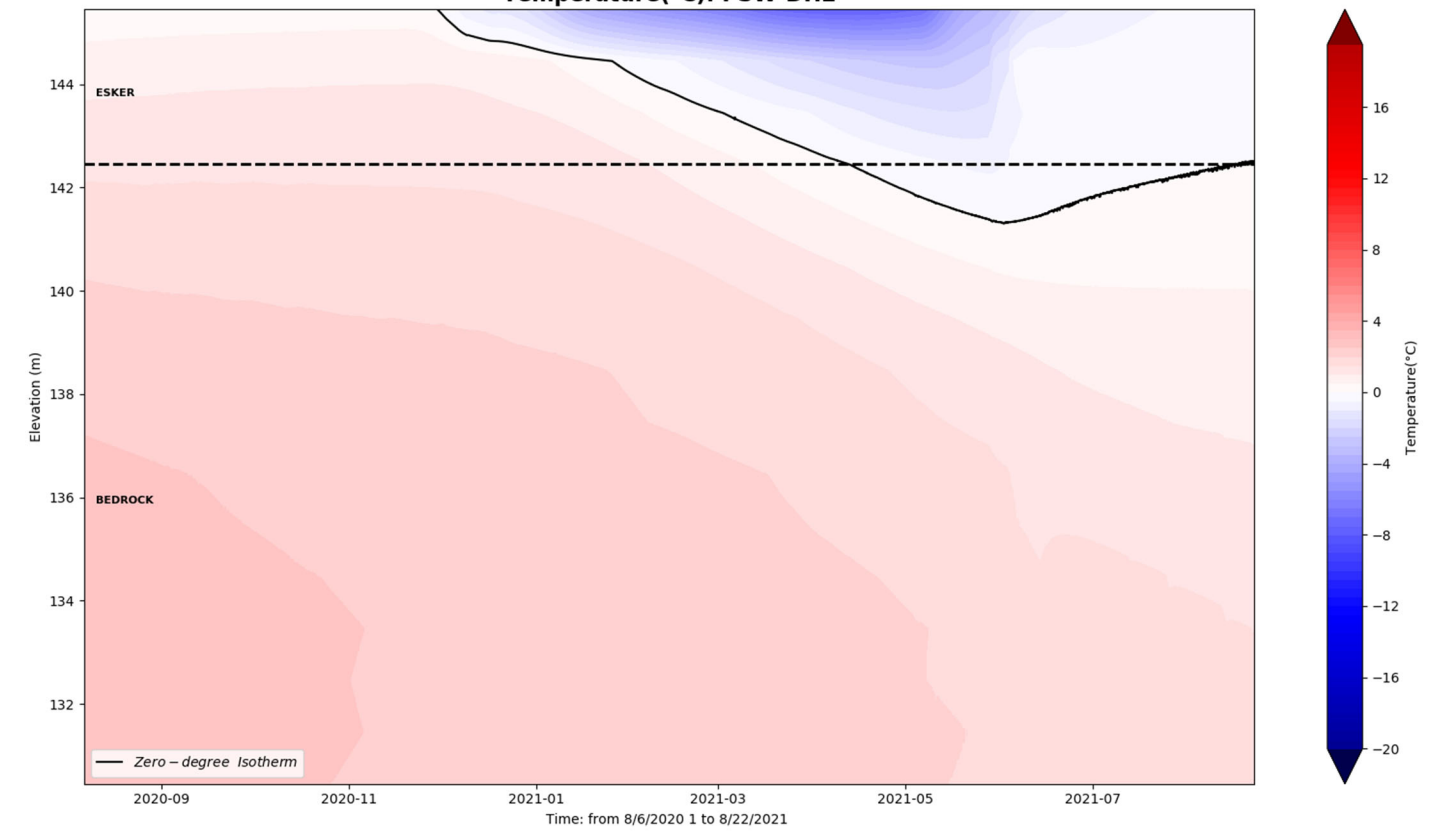


AMQ – PSW – DH02_TH

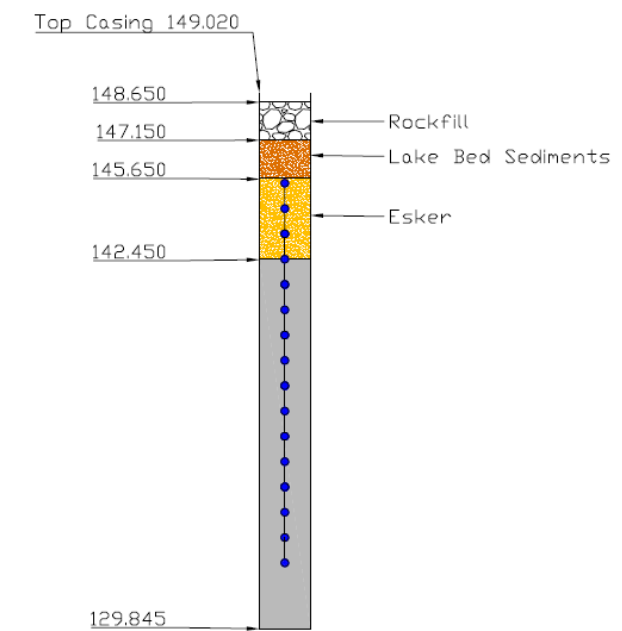


- 2021-08-22 12:00
- 2021-07-25 12:00
- 2021-06-27 12:00
- 2021-05-30 12:00
- 2021-05-02 12:00
- 2021-04-04 12:00
- 2021-03-07 12:00
- 2021-02-07 12:00
- 2021-01-10 12:00
- 2020-12-13 12:00
- 2020-11-15 12:00
- 2020-10-18 12:00
- 2020-09-20 12:00
- 2020-08-23 12:00
- 2020-07-26 12:00
- 2020-06-28 12:00
- 2020-06-09 18:00
- Limit Profile

Temperature(°C): PSW-DH2



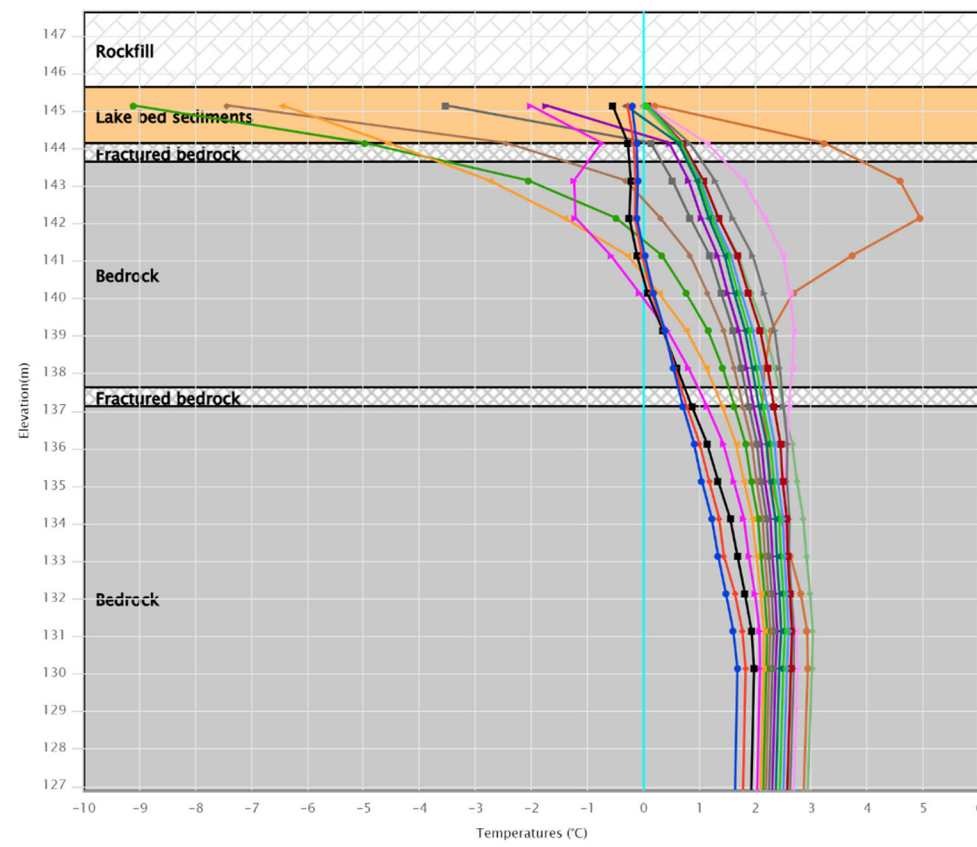
DH-2



PSW – DH 3 TH

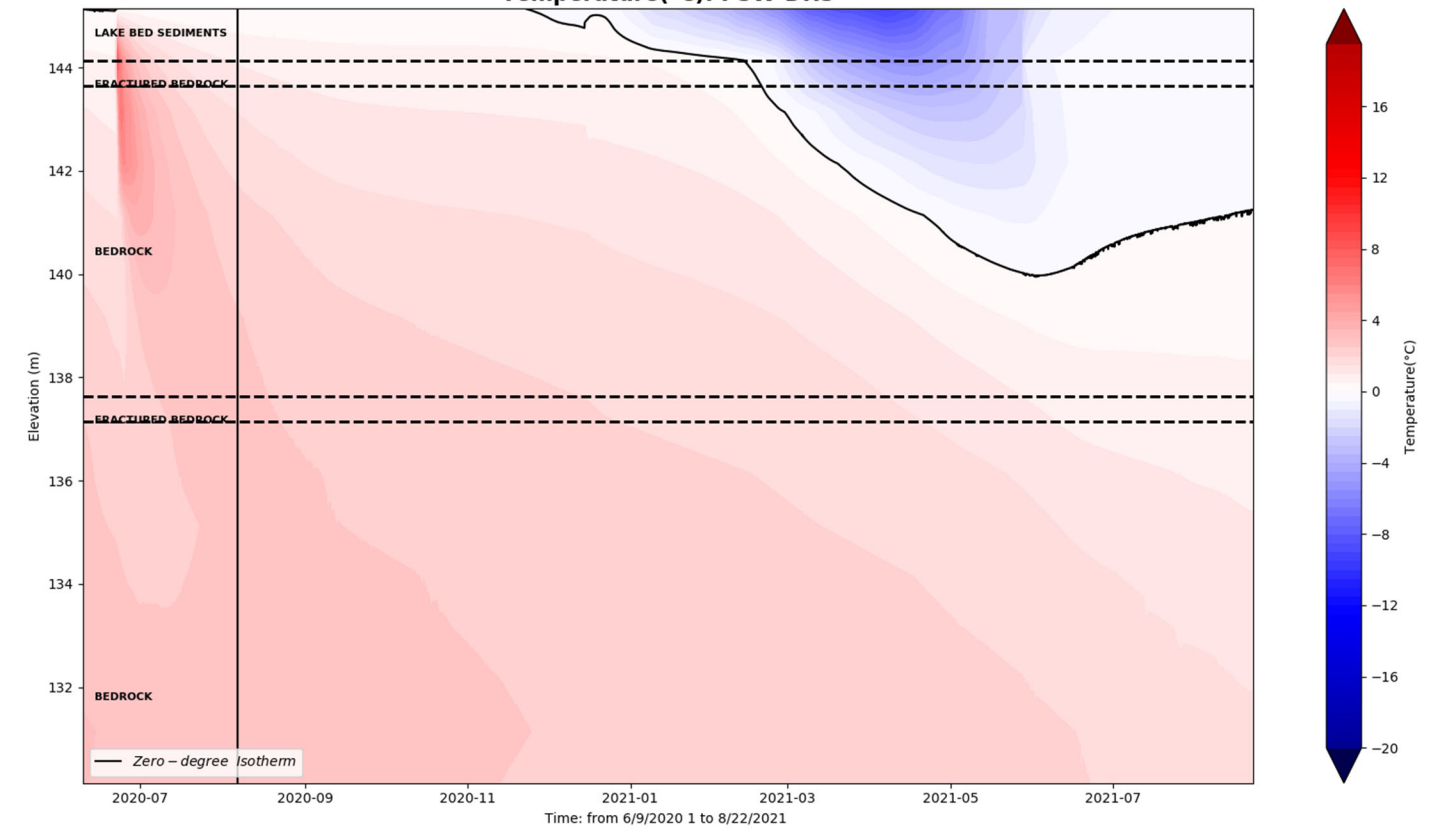


AMQ – PSW – DH03_TH

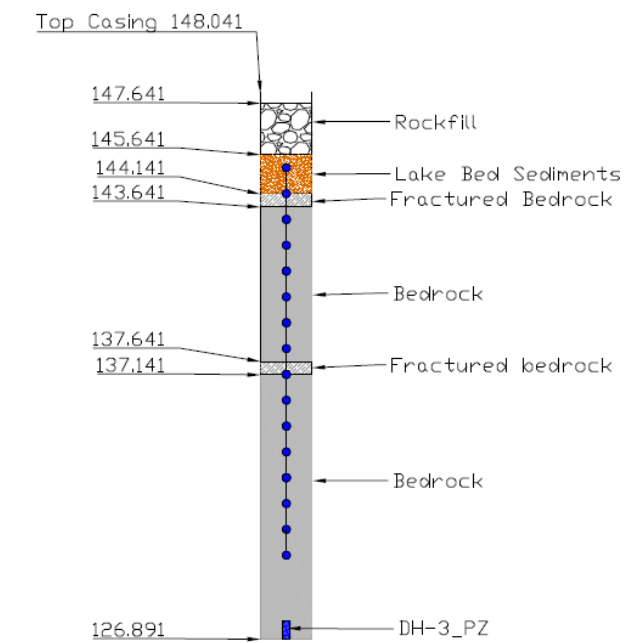


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- 2021-07-25 12:00
- 2021-06-27 12:00
- 2021-05-30 12:00
- 2021-05-02 12:00
- 2021-04-04 12:00
- 2021-03-07 12:00
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- 2021-01-10 12:00
- 2020-12-13 12:00
- 2020-11-15 12:00
- 2020-10-18 12:00
- 2020-09-20 12:00
- 2020-08-23 12:00
- 2020-07-26 12:00
- 2020-06-28 12:00
- 2020-06-09 18:00
- Limit Profile

Temperature(°C): PSW-DH3



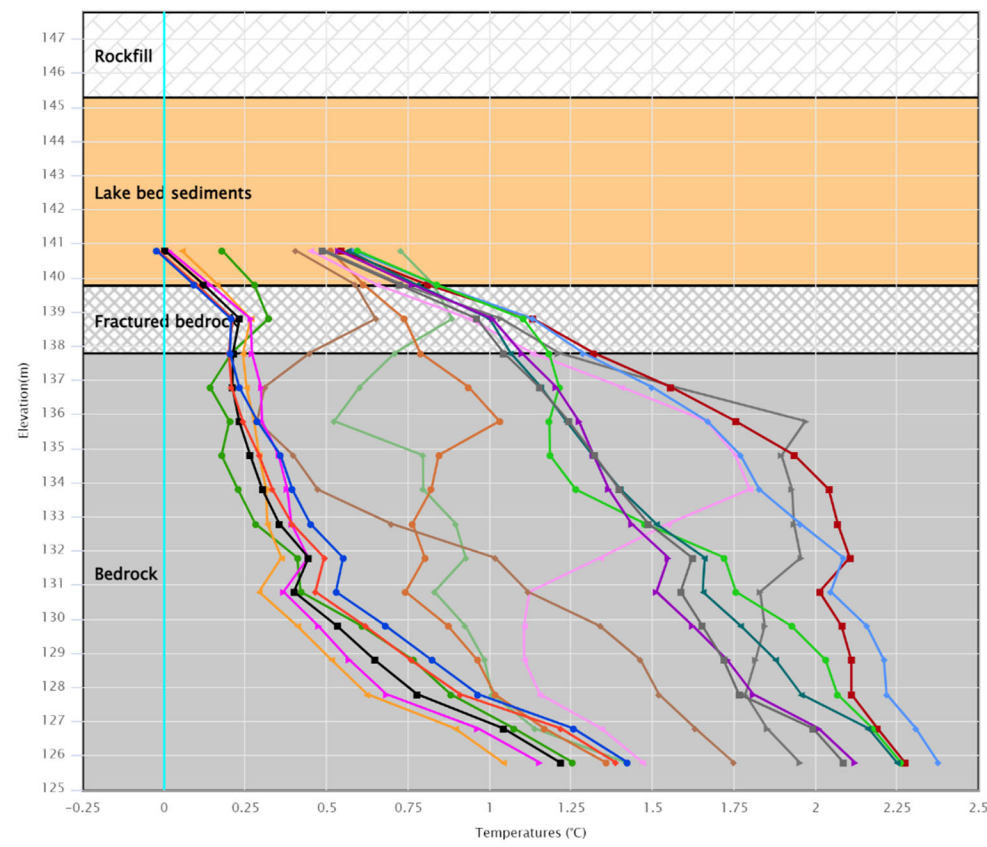
DH-3



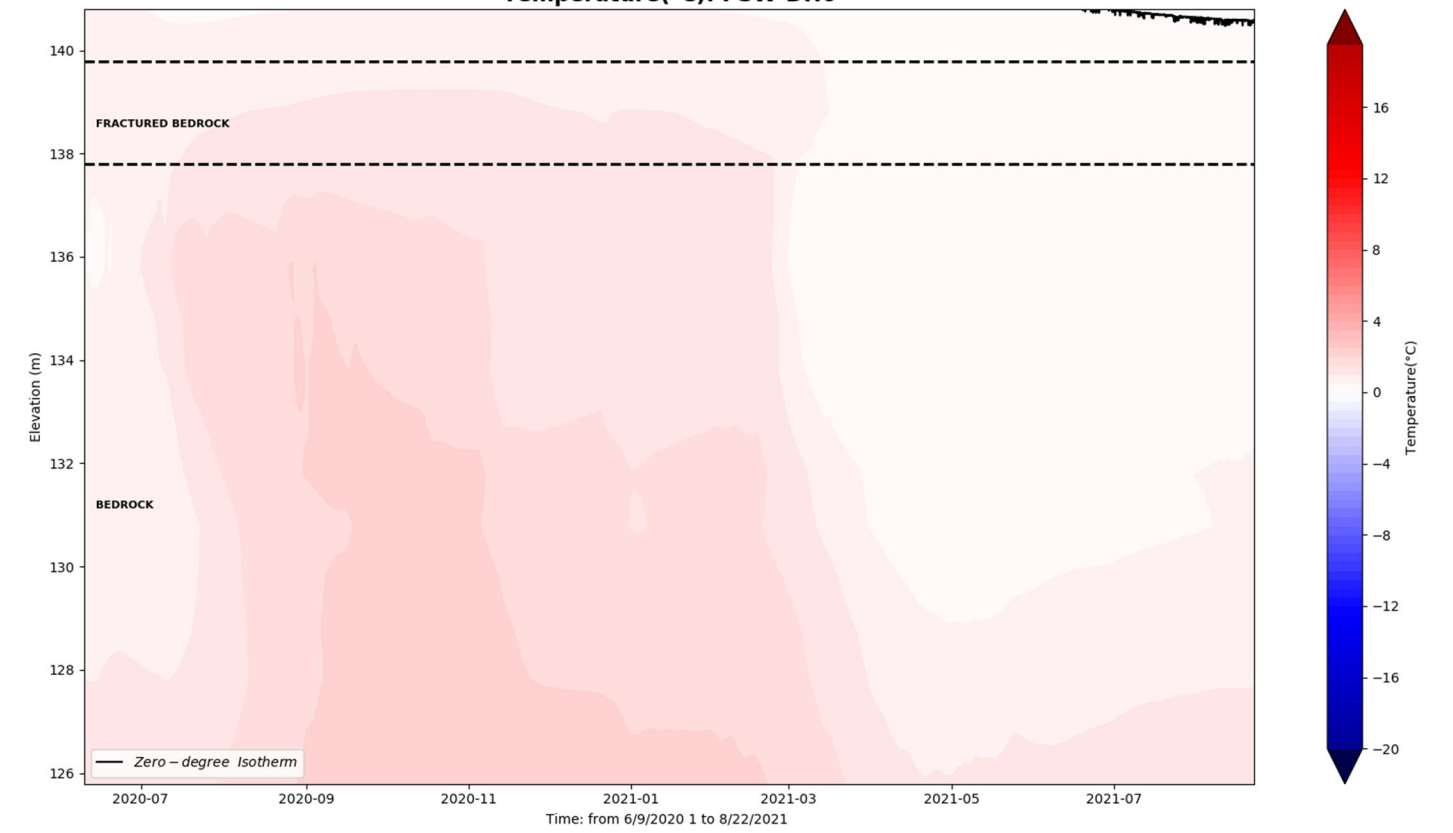
PSW – DH 6 TH



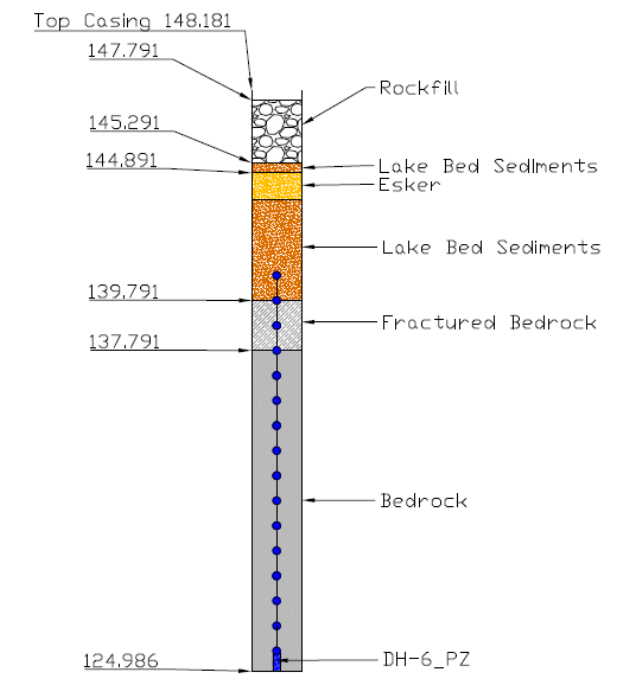
AMQ – PSW – DH06_TH



Temperature(°C): PSW-DH6



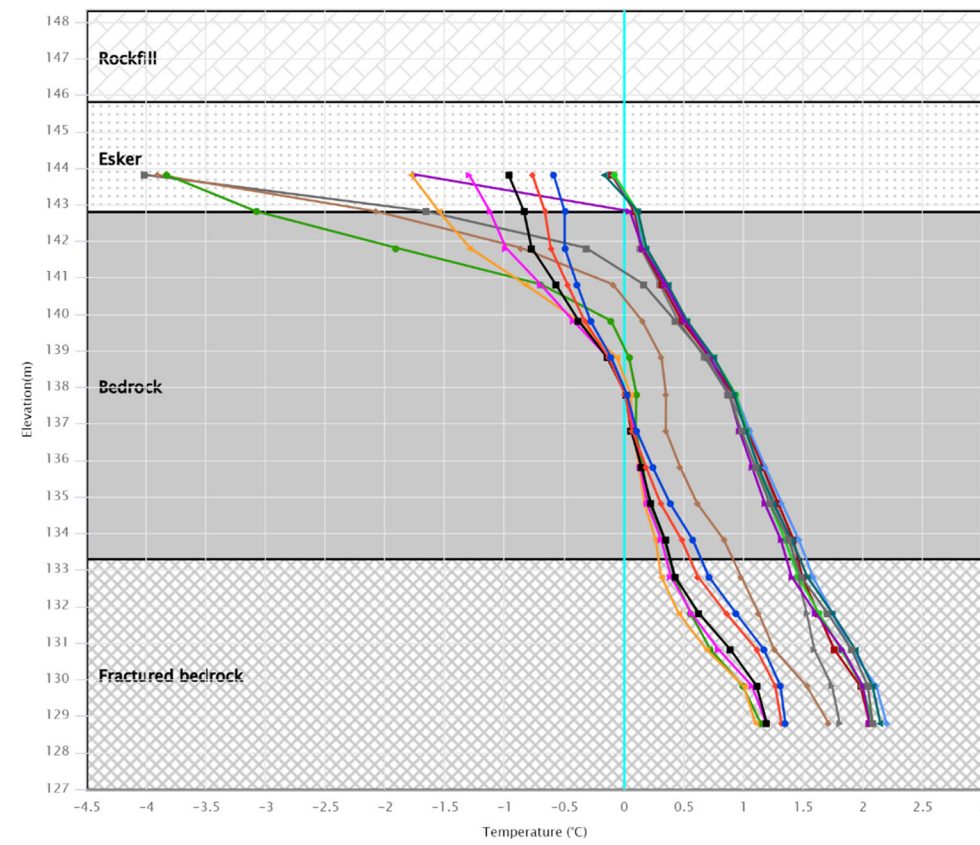
DH-6



PSW – DH 7 TH

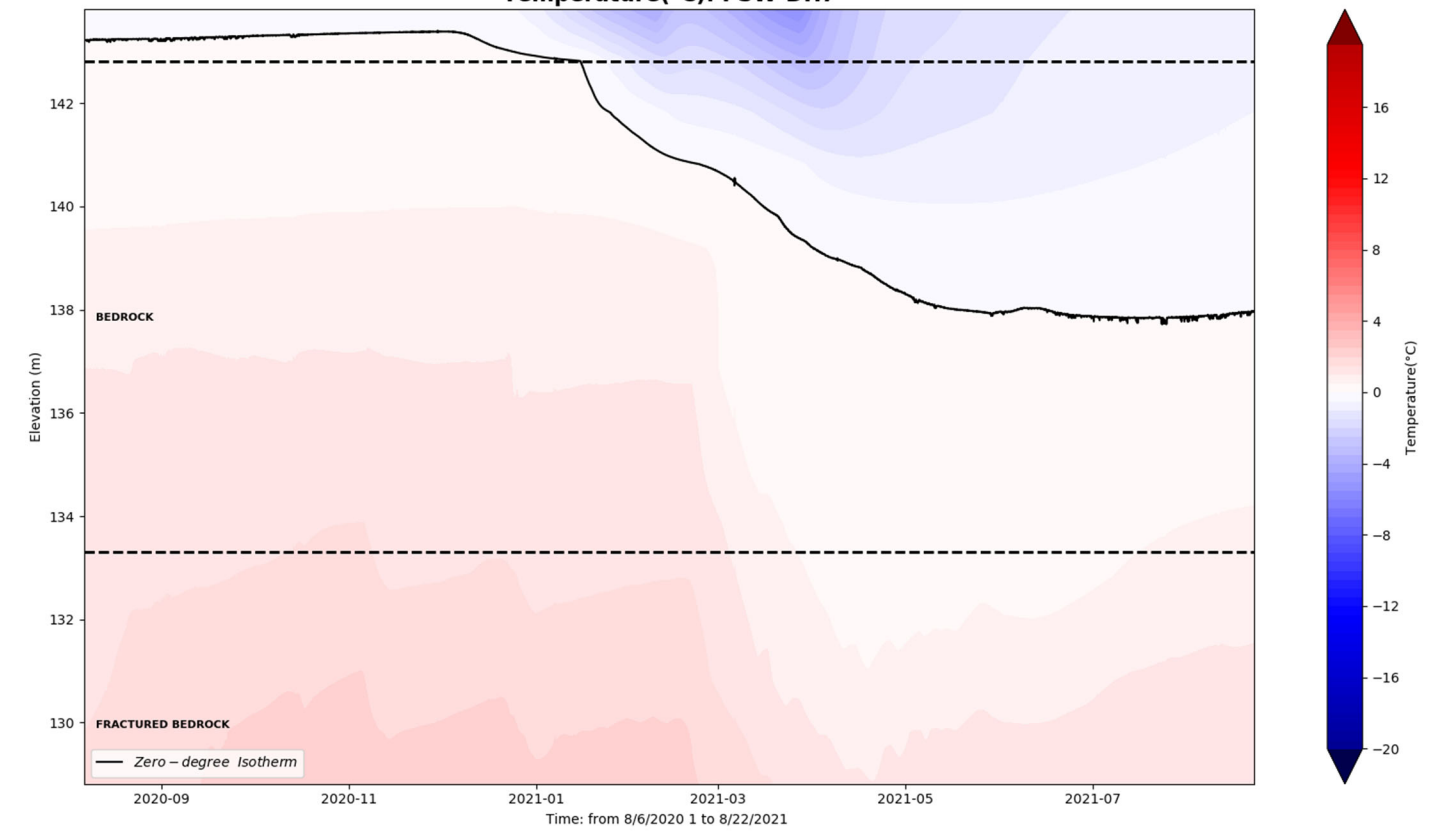


AMQ – PSW – DH07_TH

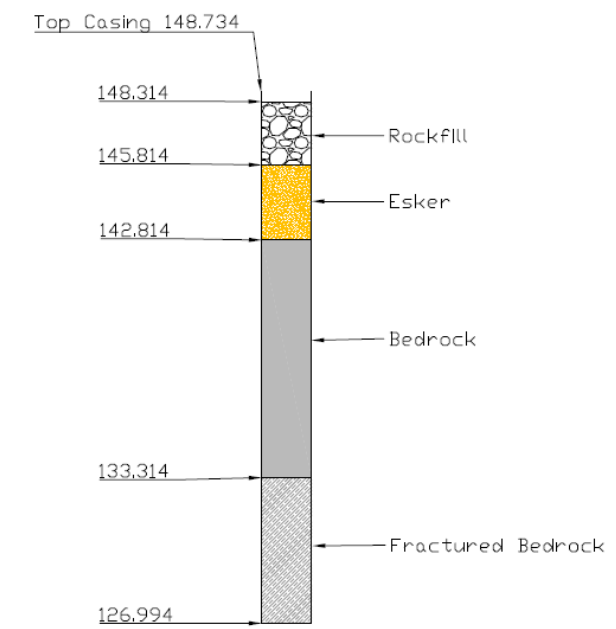


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- 2021-07-25 15:00
- 2021-06-27 15:00
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- 2020-10-18 15:00
- 2020-09-20 15:00
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- 2020-07-01 15:00
- 2020-06-09 18:00
- Limit Profile

Temperature(°C): PSW-DH7



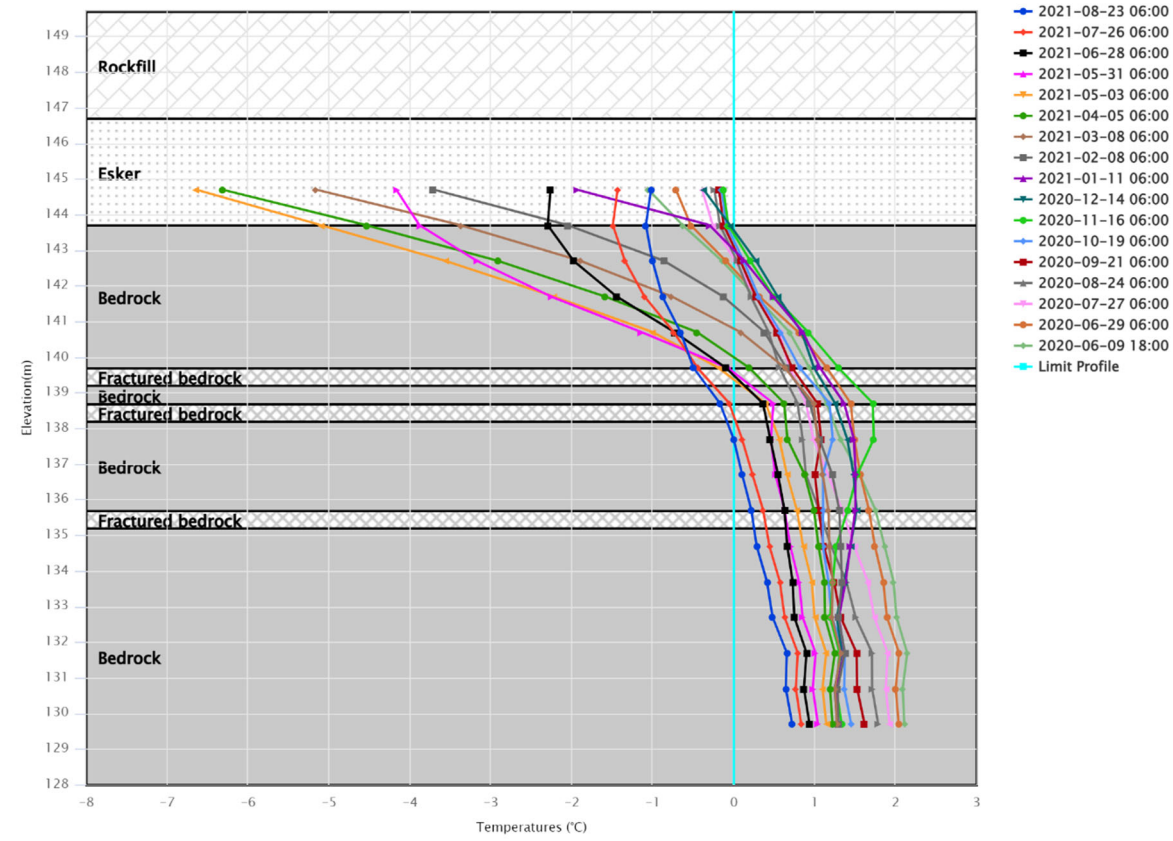
DH-7



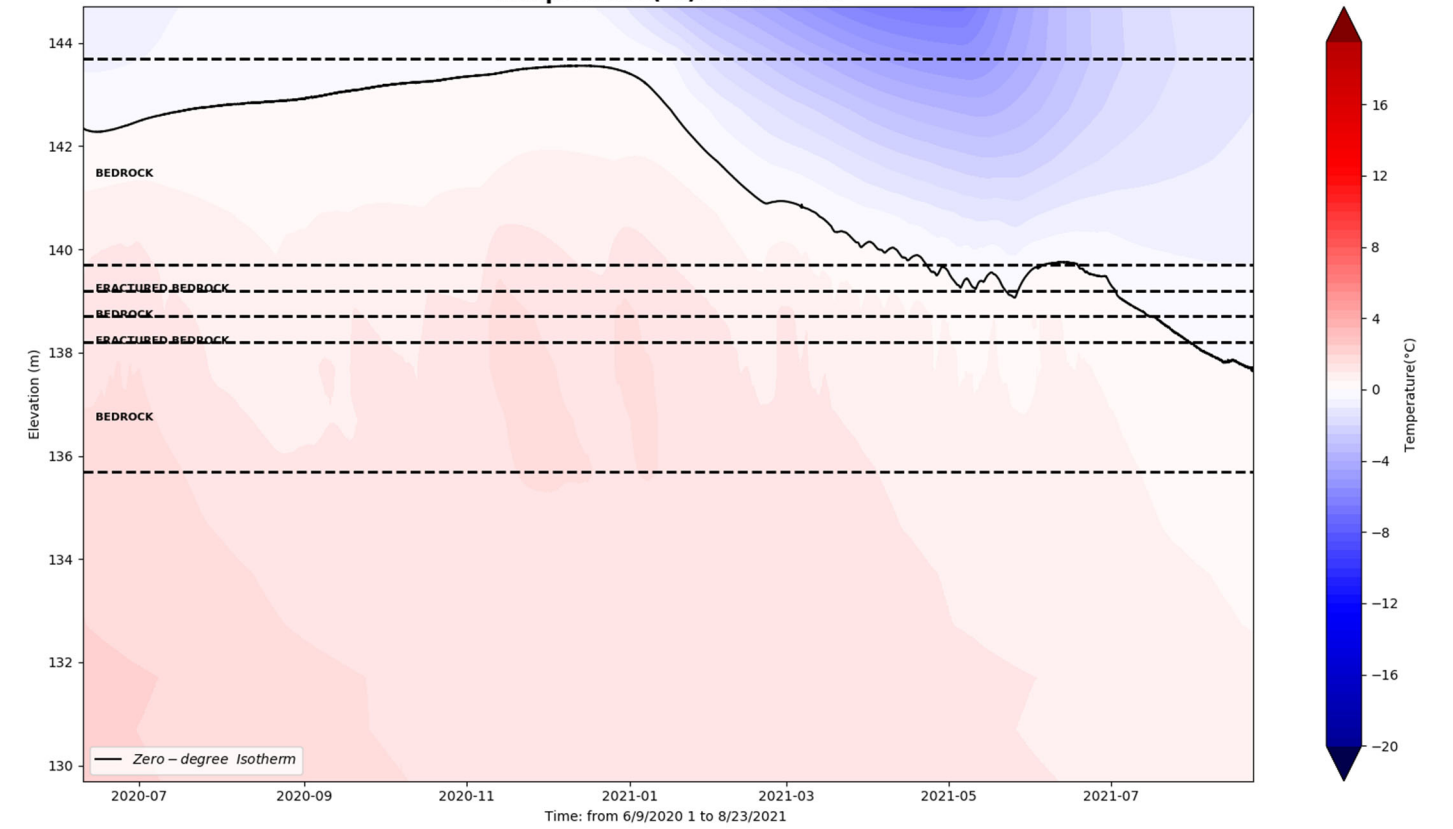
PSW – DH 10 TH



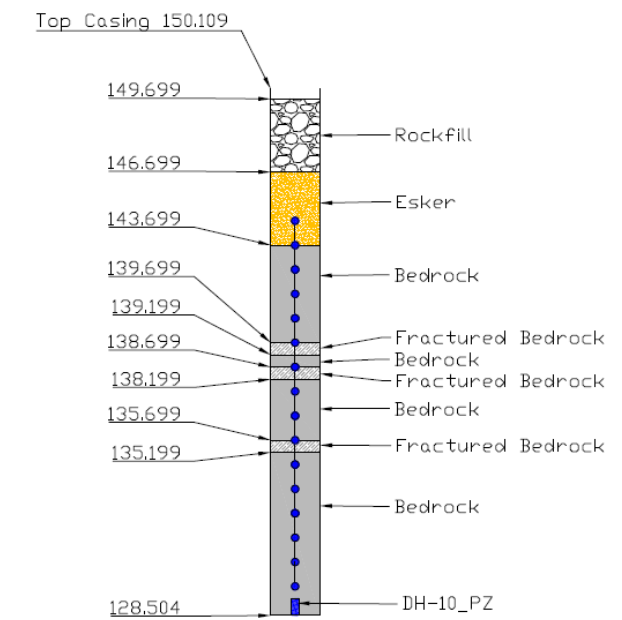
AMQ – PSW – DH10_TH



Temperature(°C): PSW-DH10



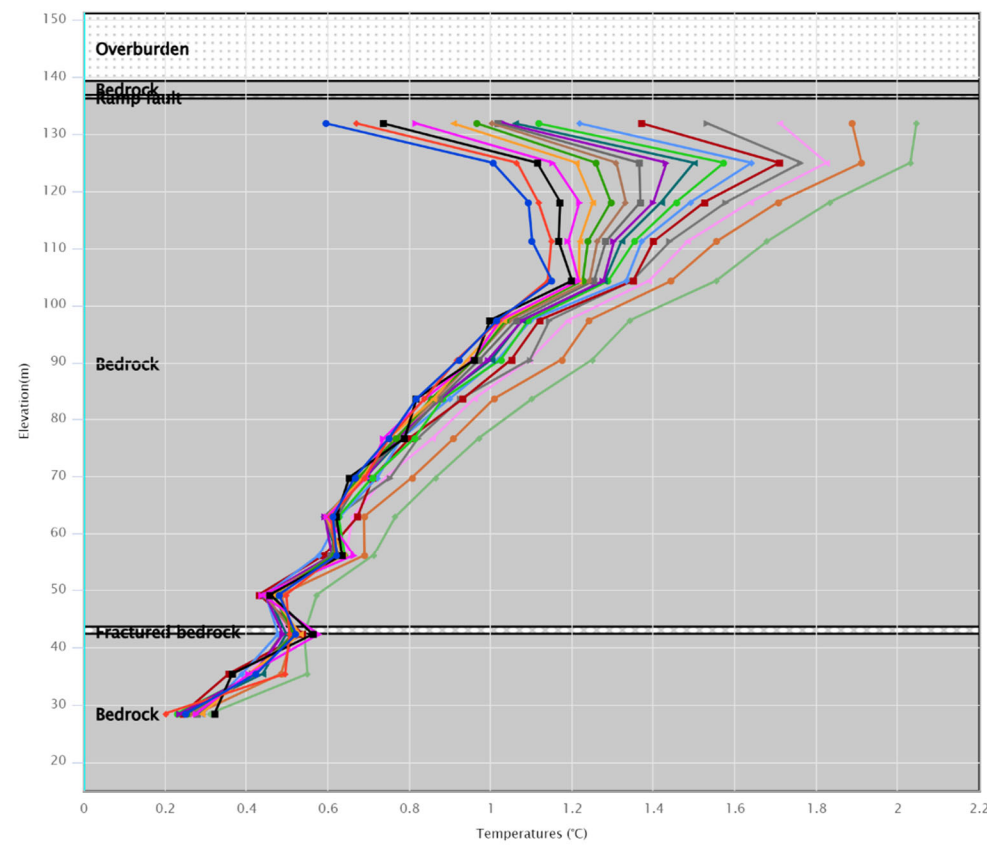
DH-10



PSW – DH 11 TH

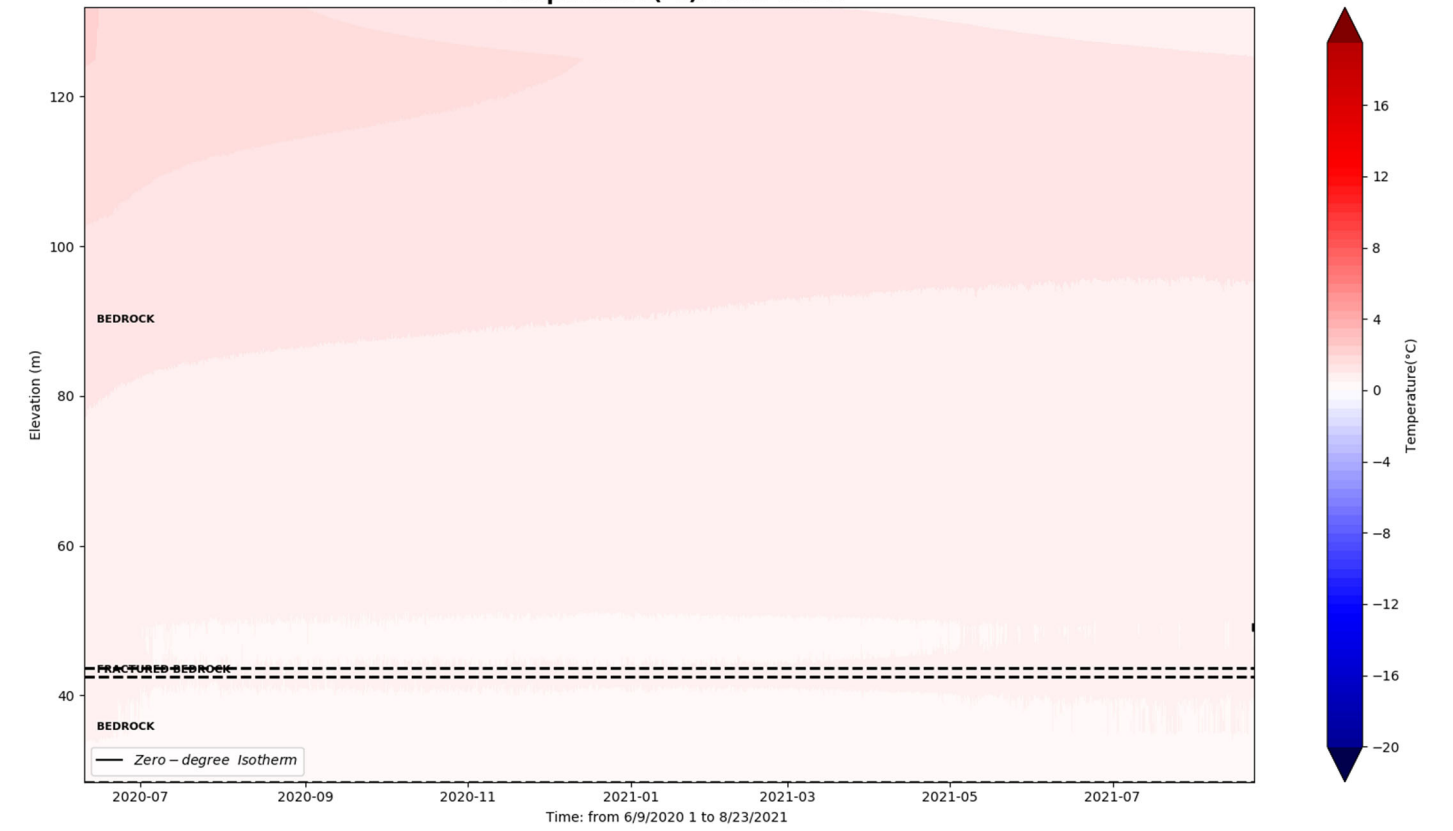


AMQ – PSW – DH11_TH

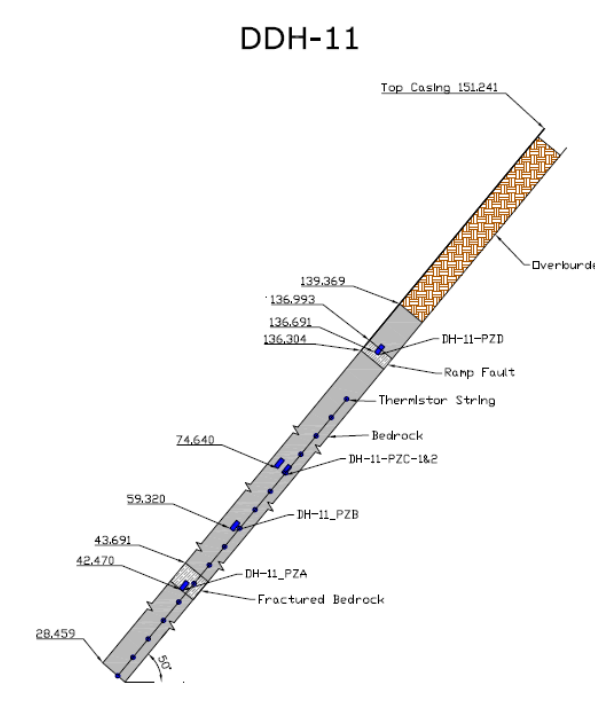


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- 2021-07-26 06:00
- 2021-06-28 06:00
- 2021-05-31 06:00
- 2021-05-03 06:00
- 2021-04-05 06:00
- 2021-03-08 06:00
- 2021-02-08 06:00
- 2021-01-11 06:00
- 2020-12-14 06:00
- 2020-11-16 06:00
- 2020-10-19 06:00
- 2020-09-21 06:00
- 2020-08-24 06:00
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- 2020-06-29 06:00
- 2020-06-09 18:00
- Limit Profile

Temperature(°C): PSW-DH11



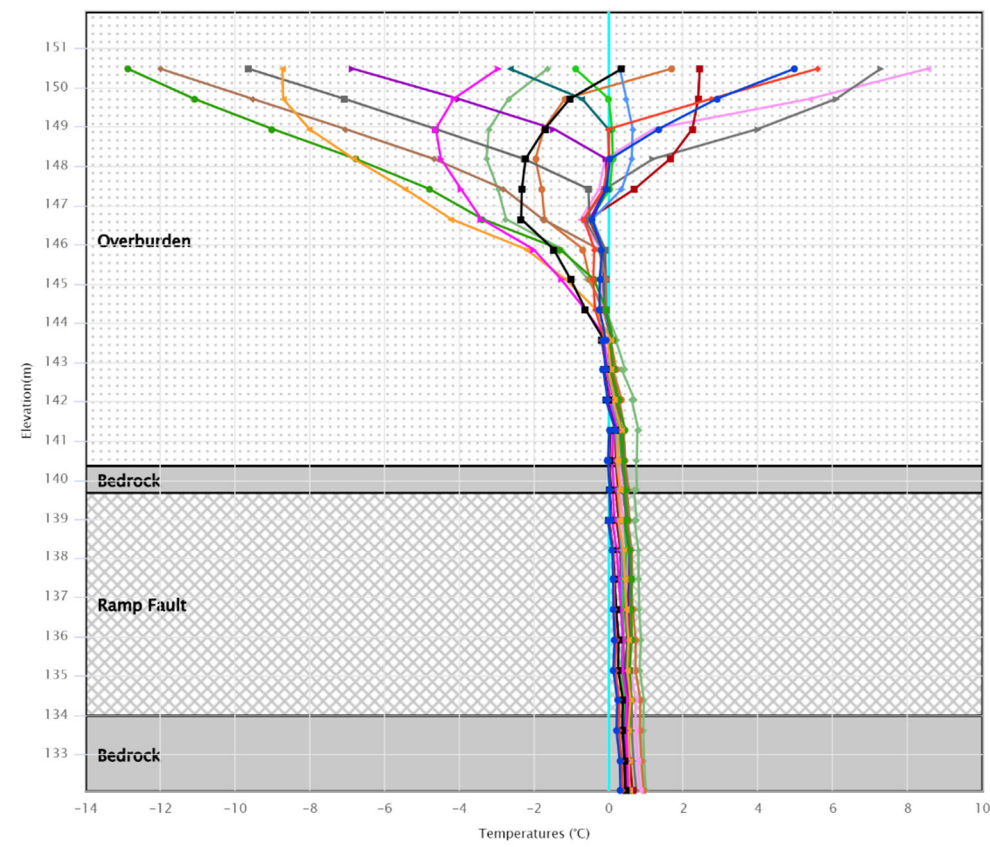
DDH-11



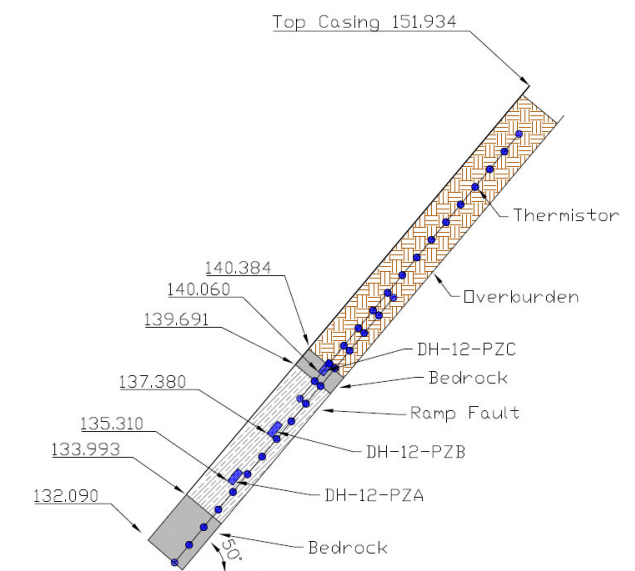
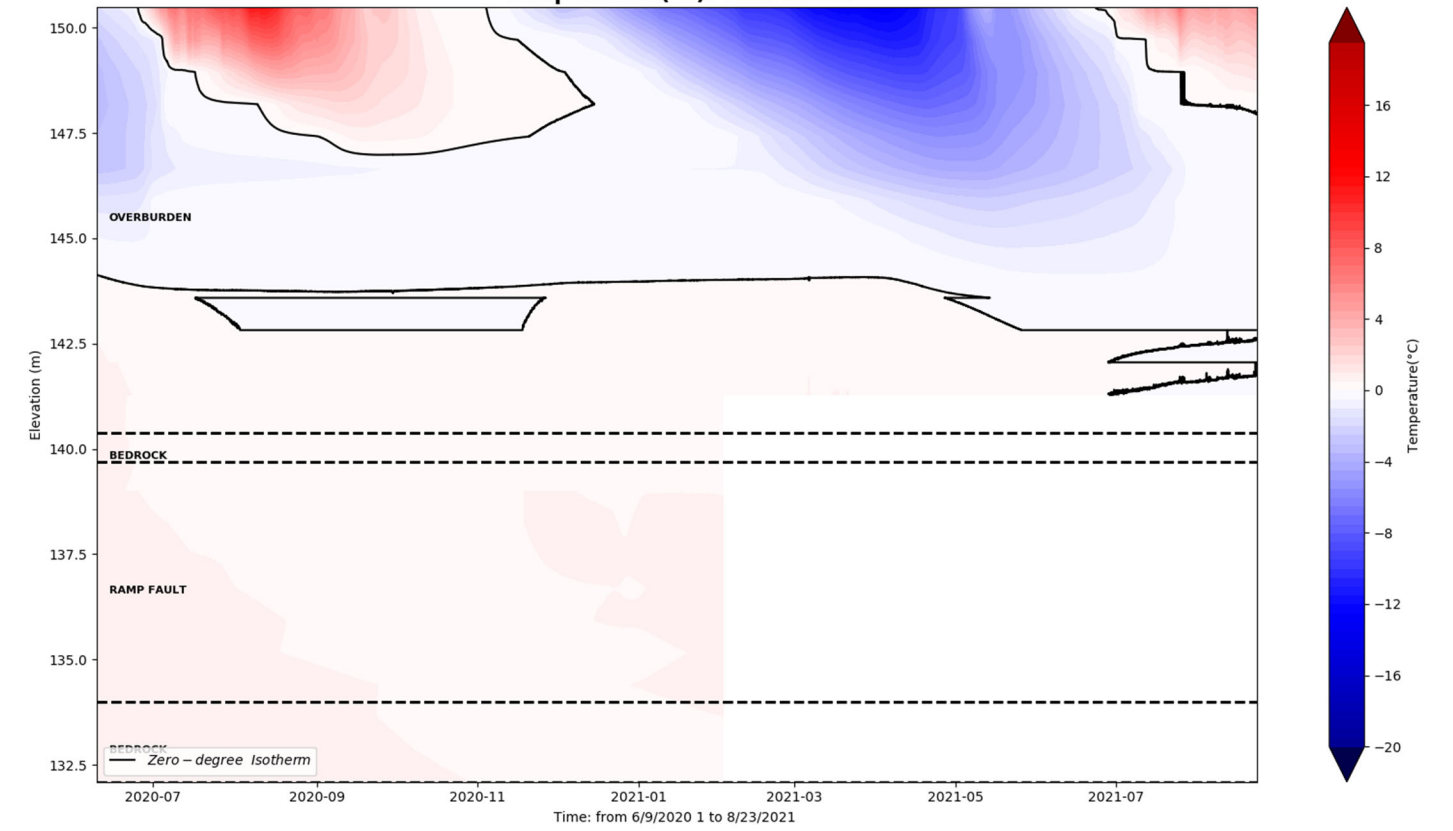
PSW – DH 12 TH



AMQ – PSW – DH12_TH



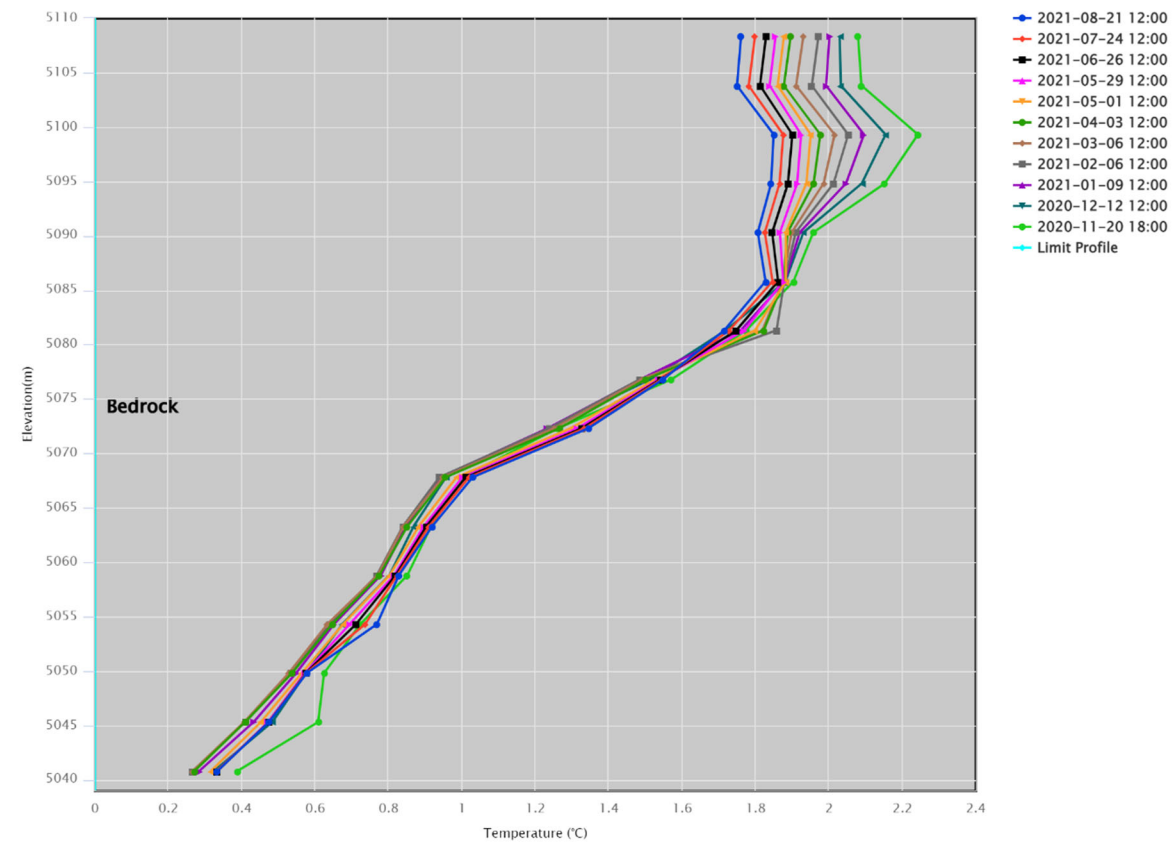
Temperature(°C): PSW-DH12



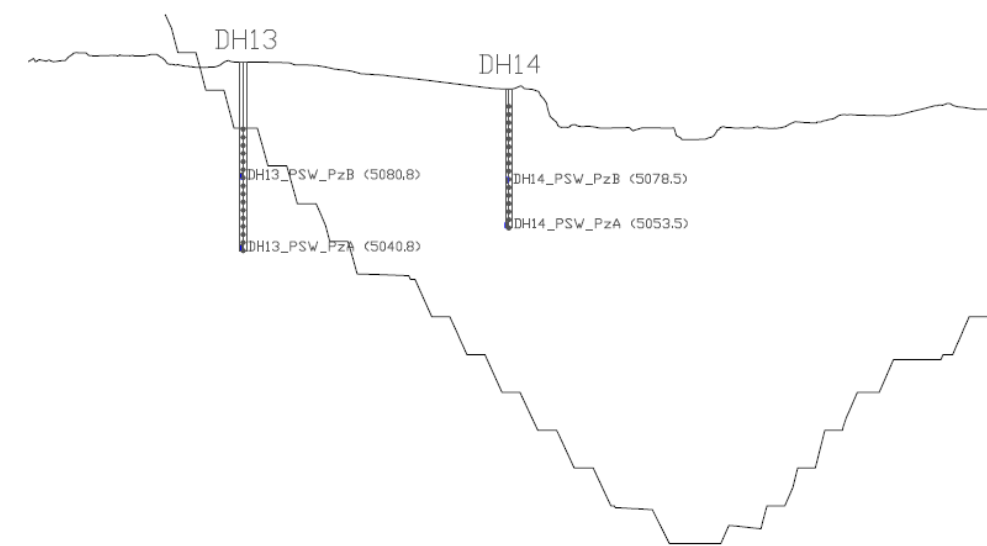
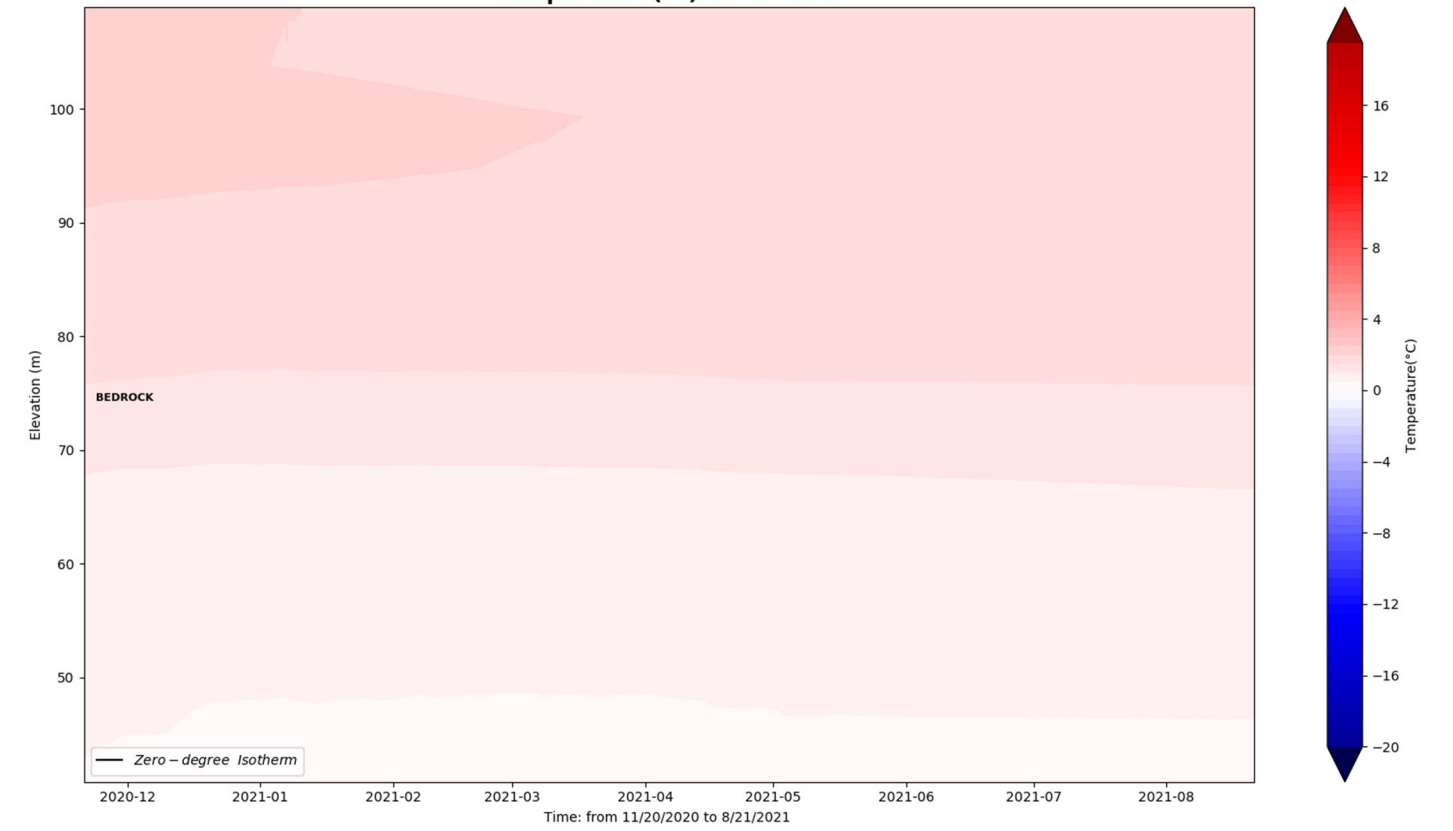
PSW – DH 13 TH



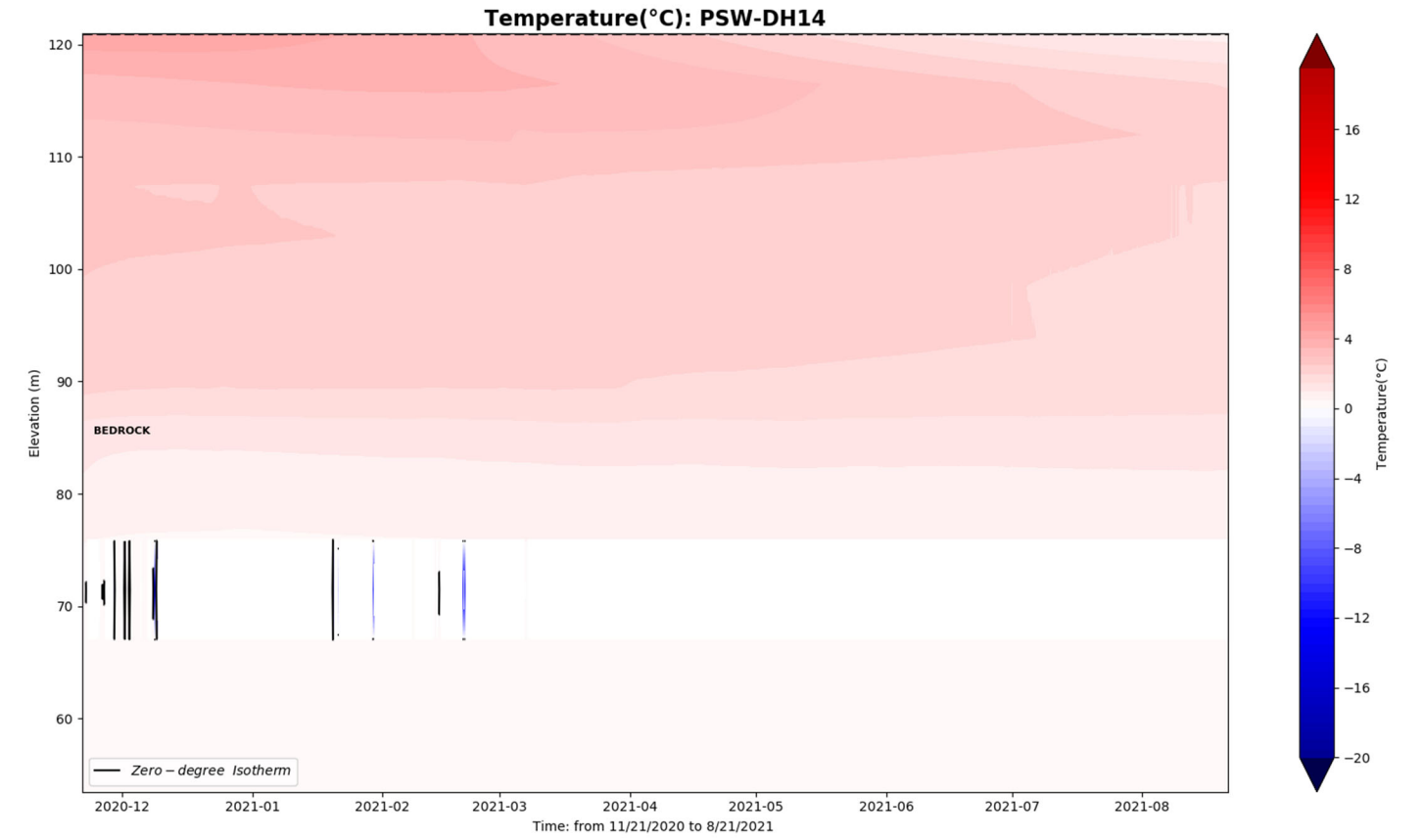
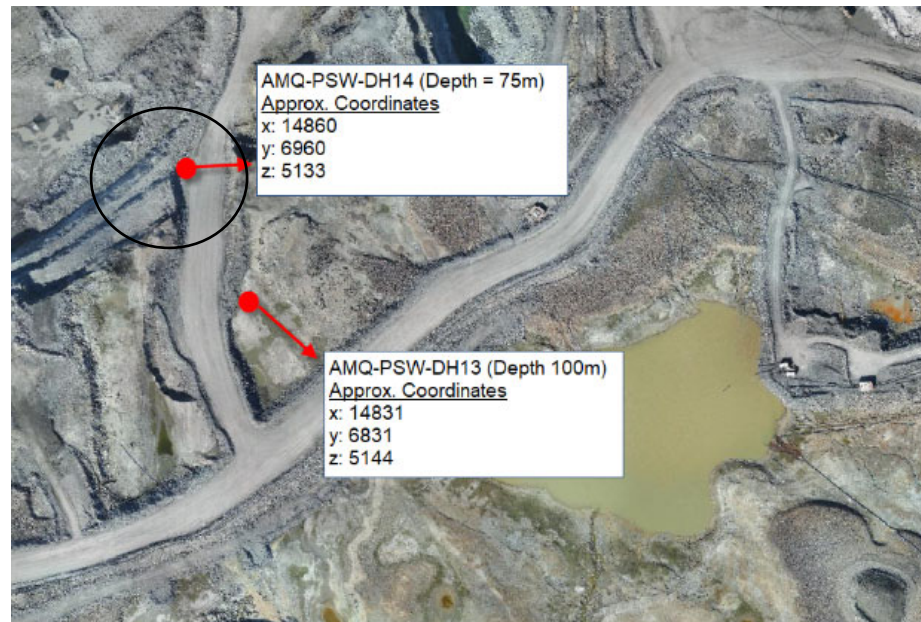
AMQ – PSW – DH13_TH



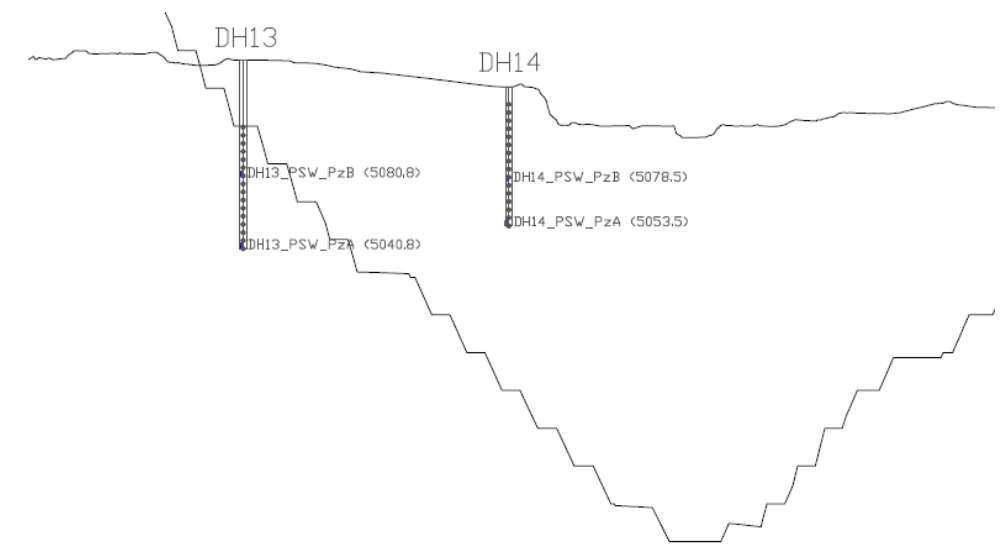
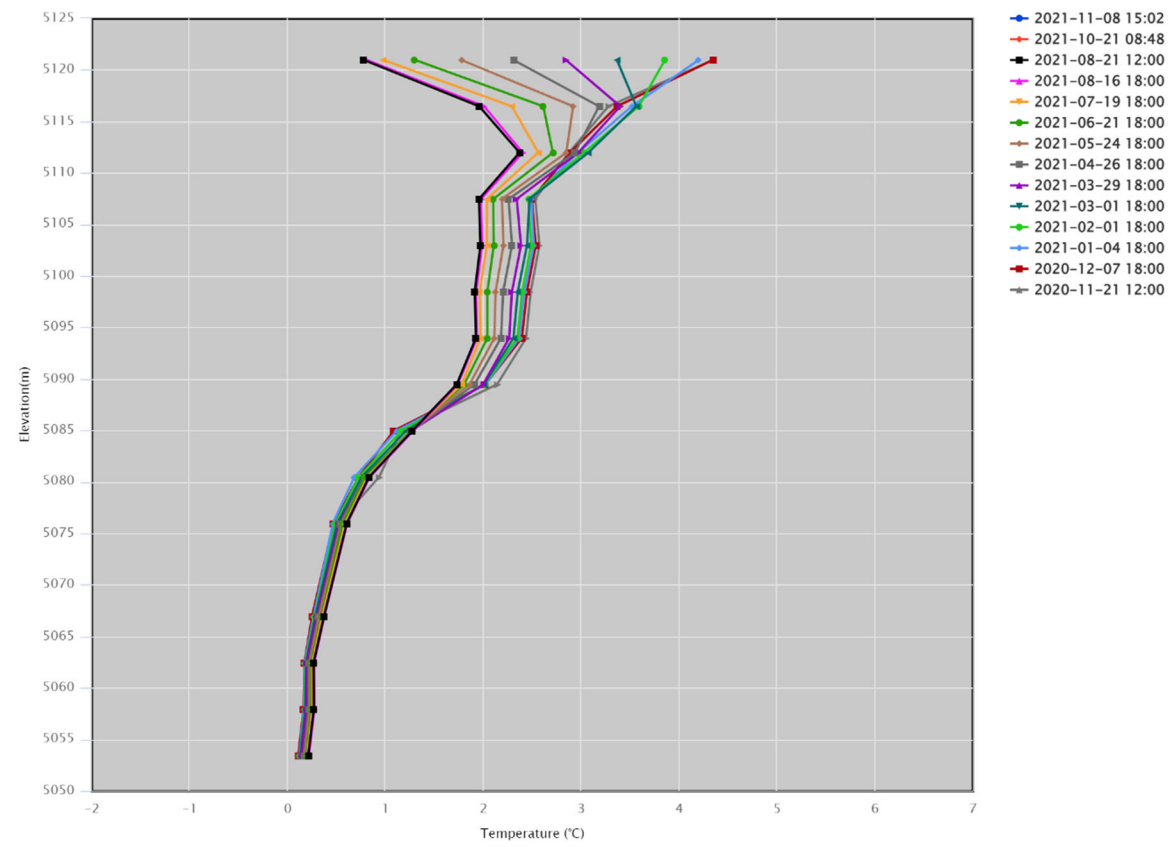
Temperature(°C): PSW-DH13



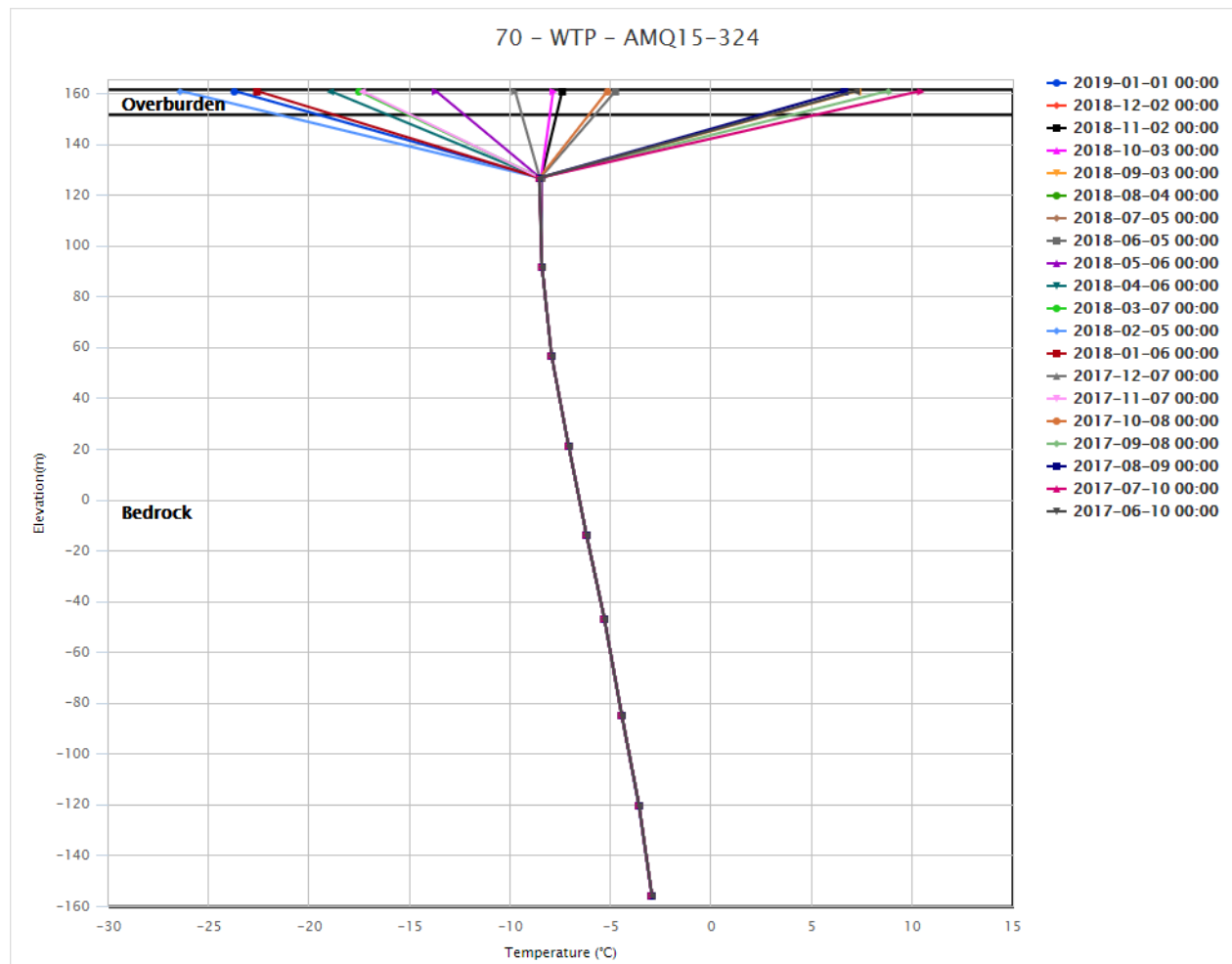
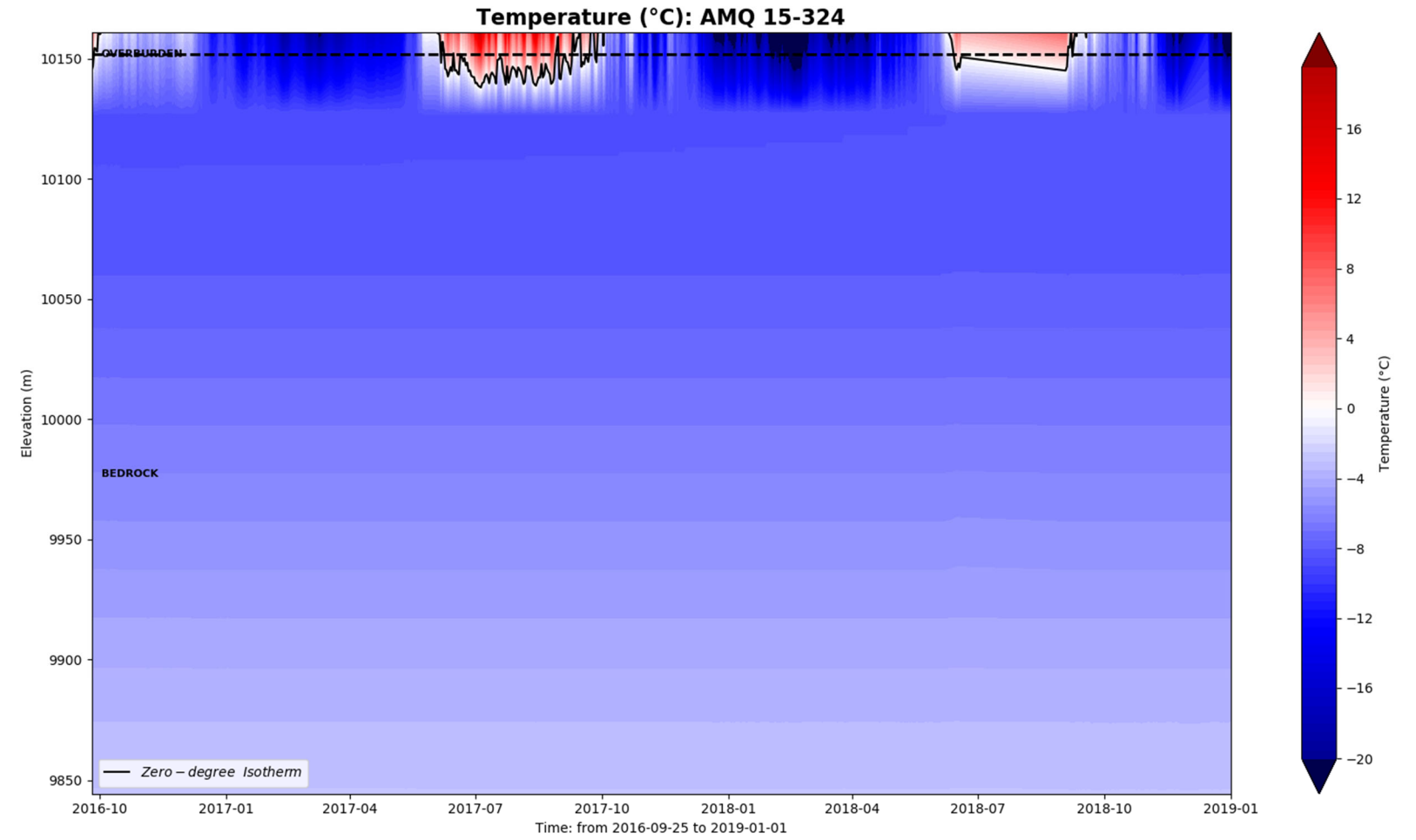
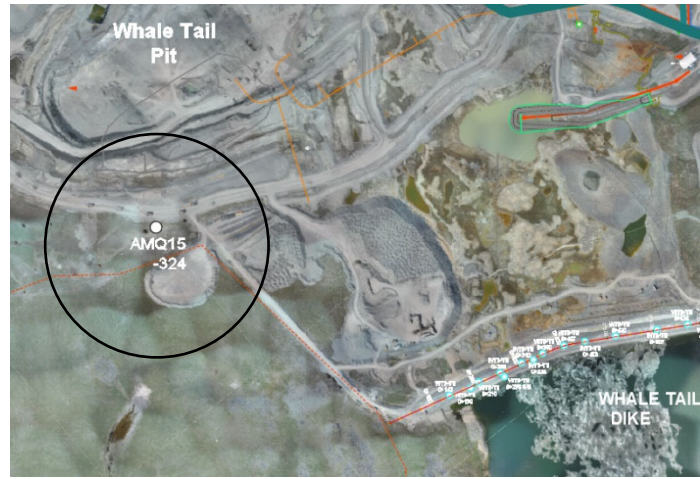
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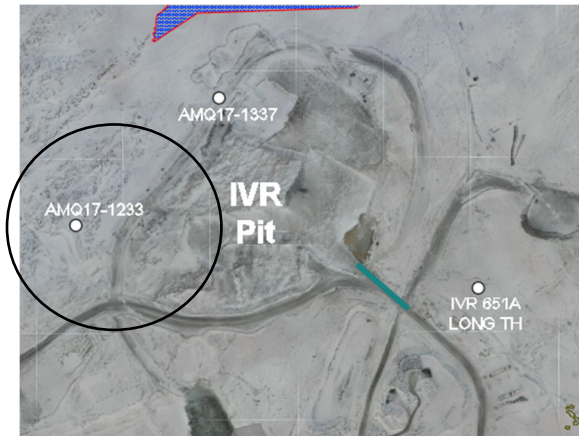
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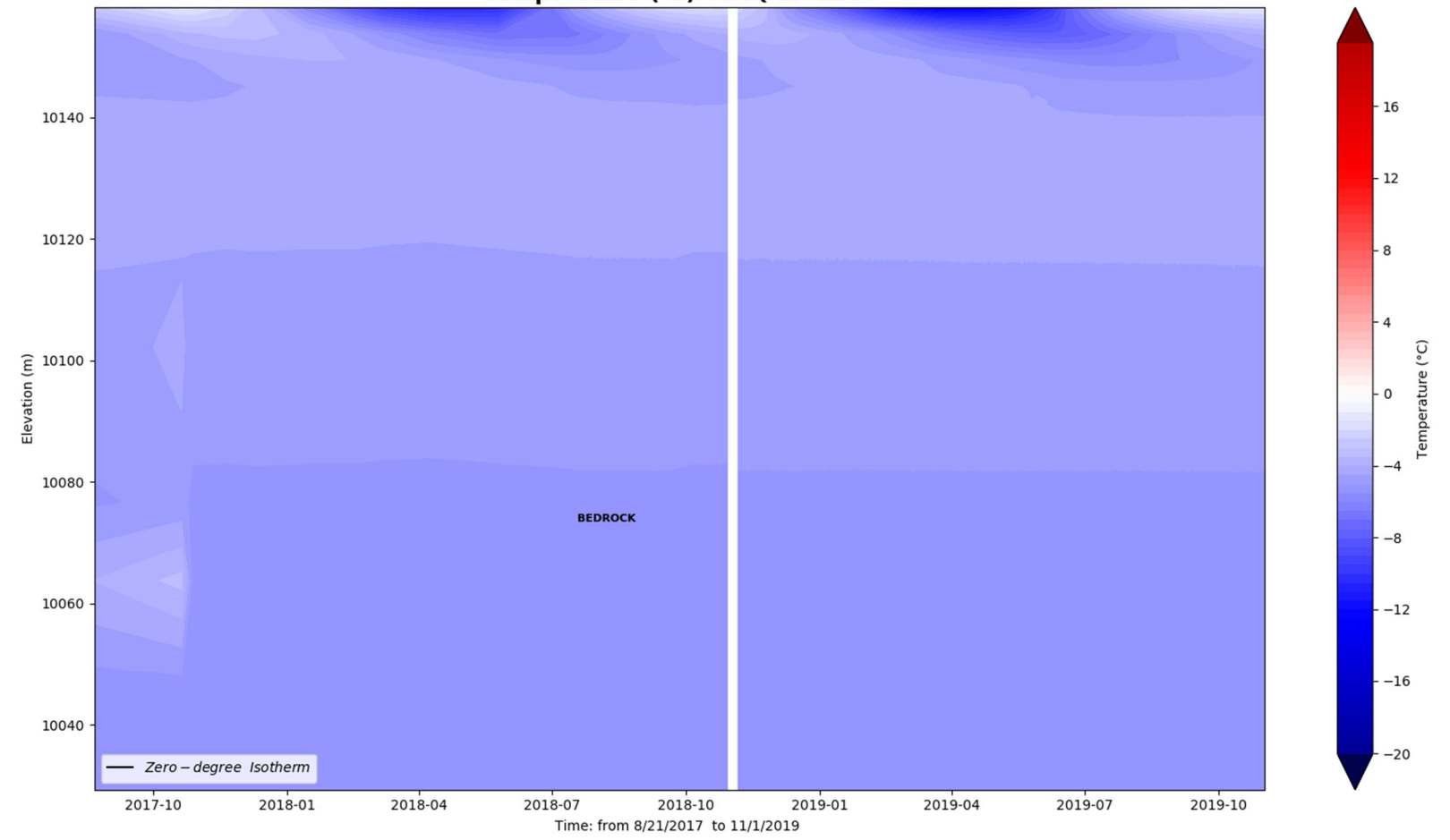
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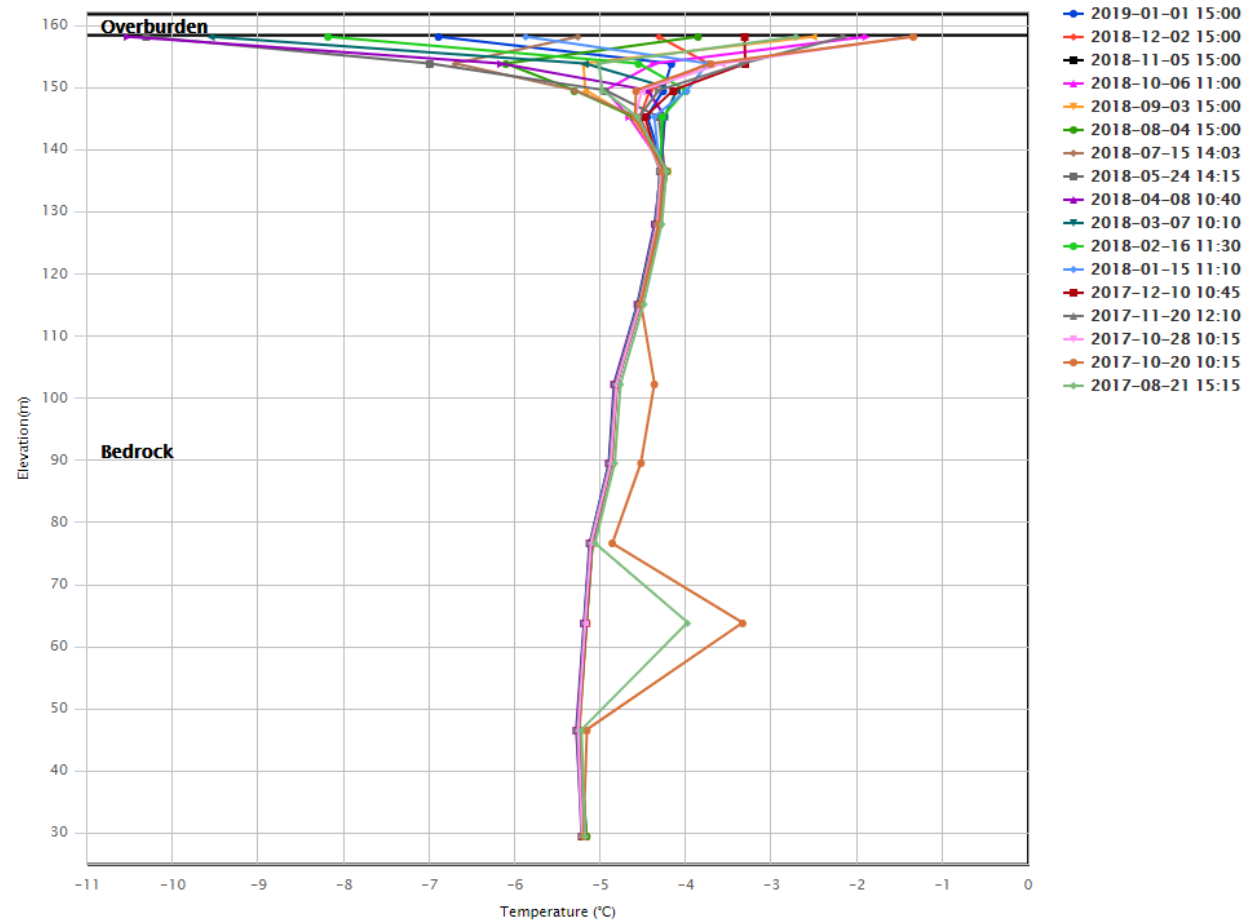
AMQ 17-1233



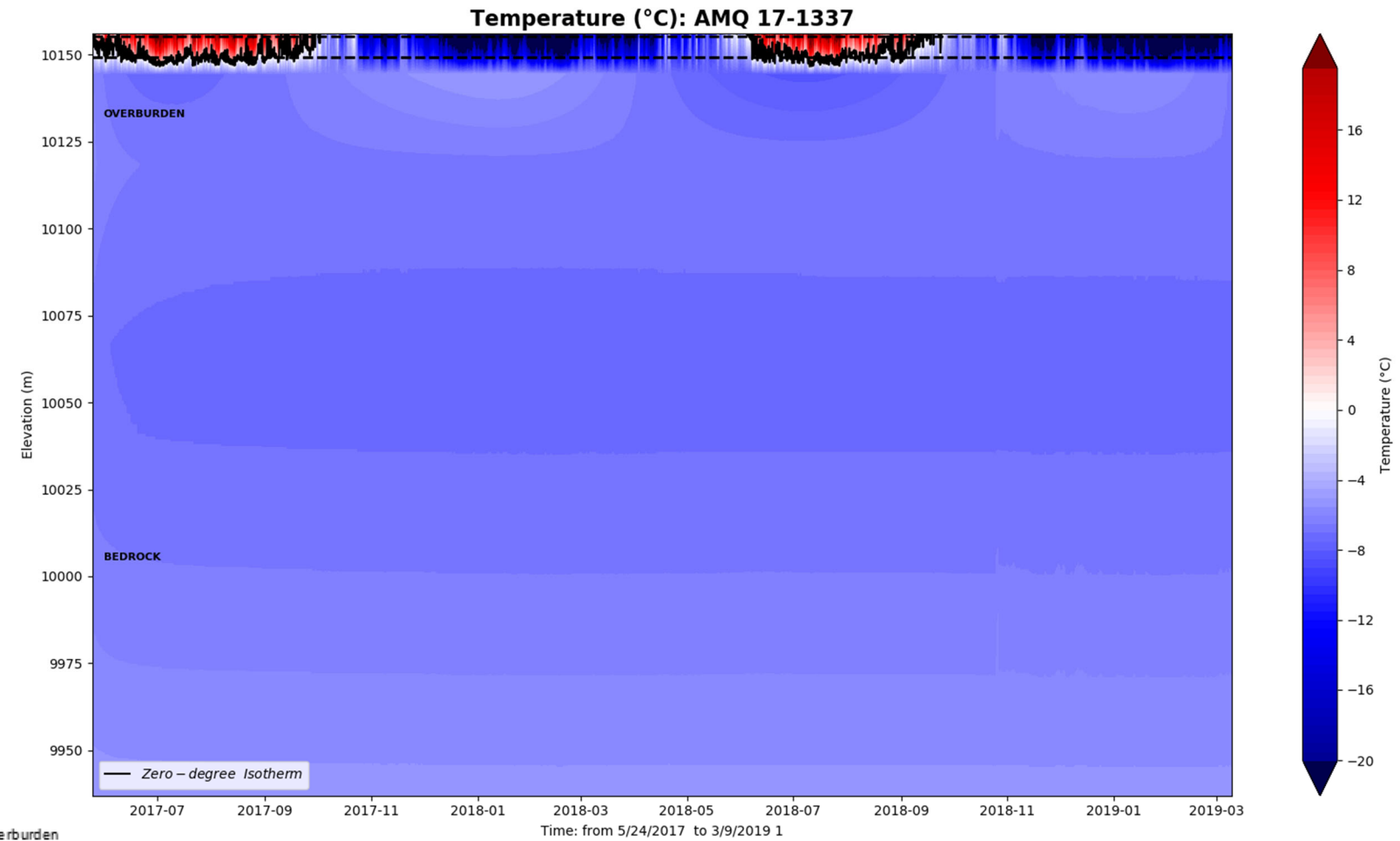
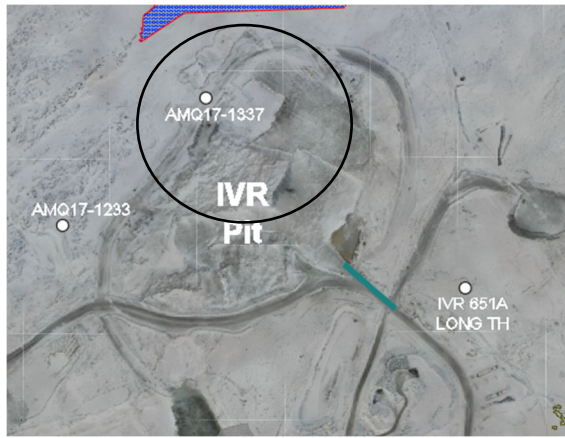
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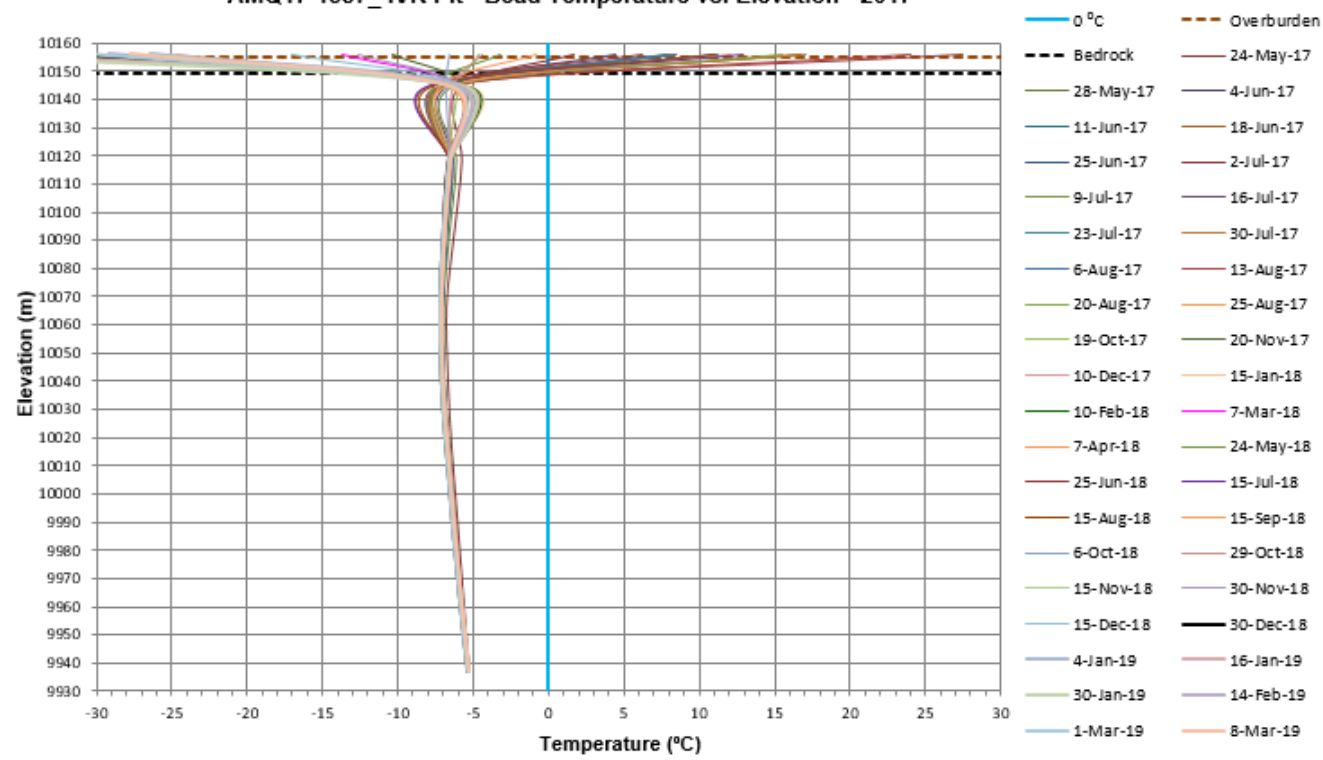
70 - IVR - AMQ17-1233



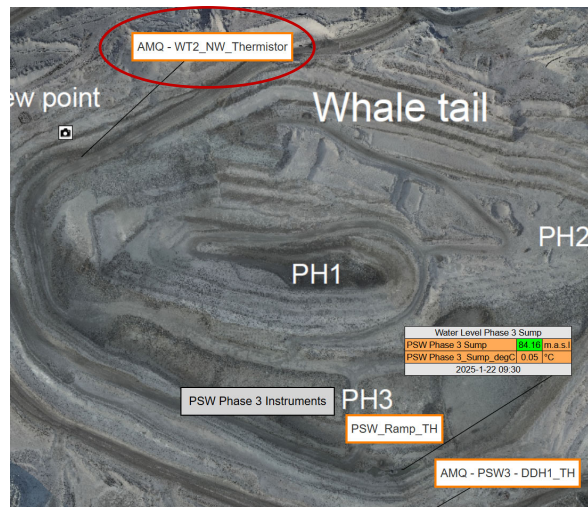
AMQ 17-1337



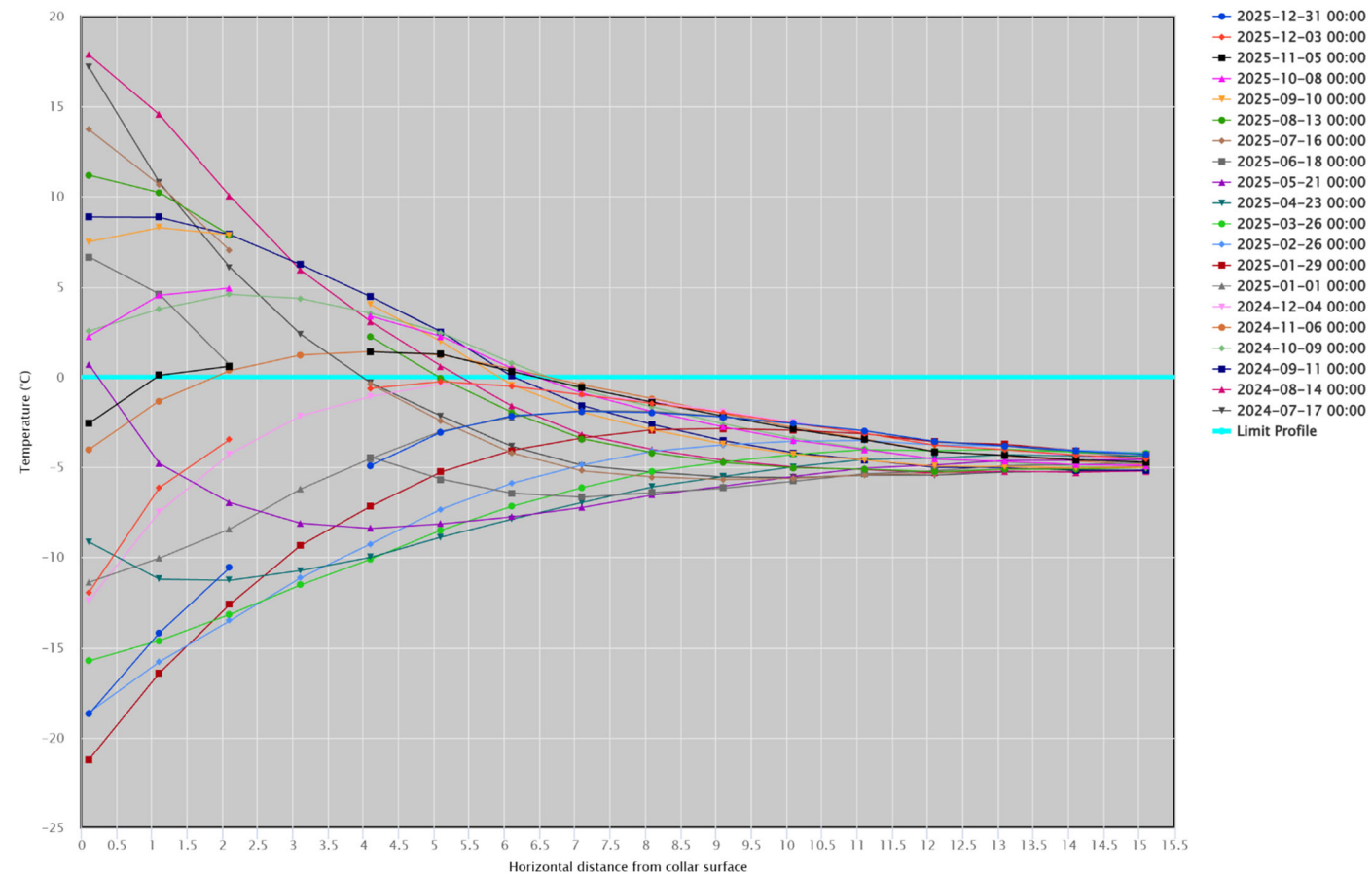
AMQ17-1337_IVR Pit - Bead Temperature vs. Elevation - 2017



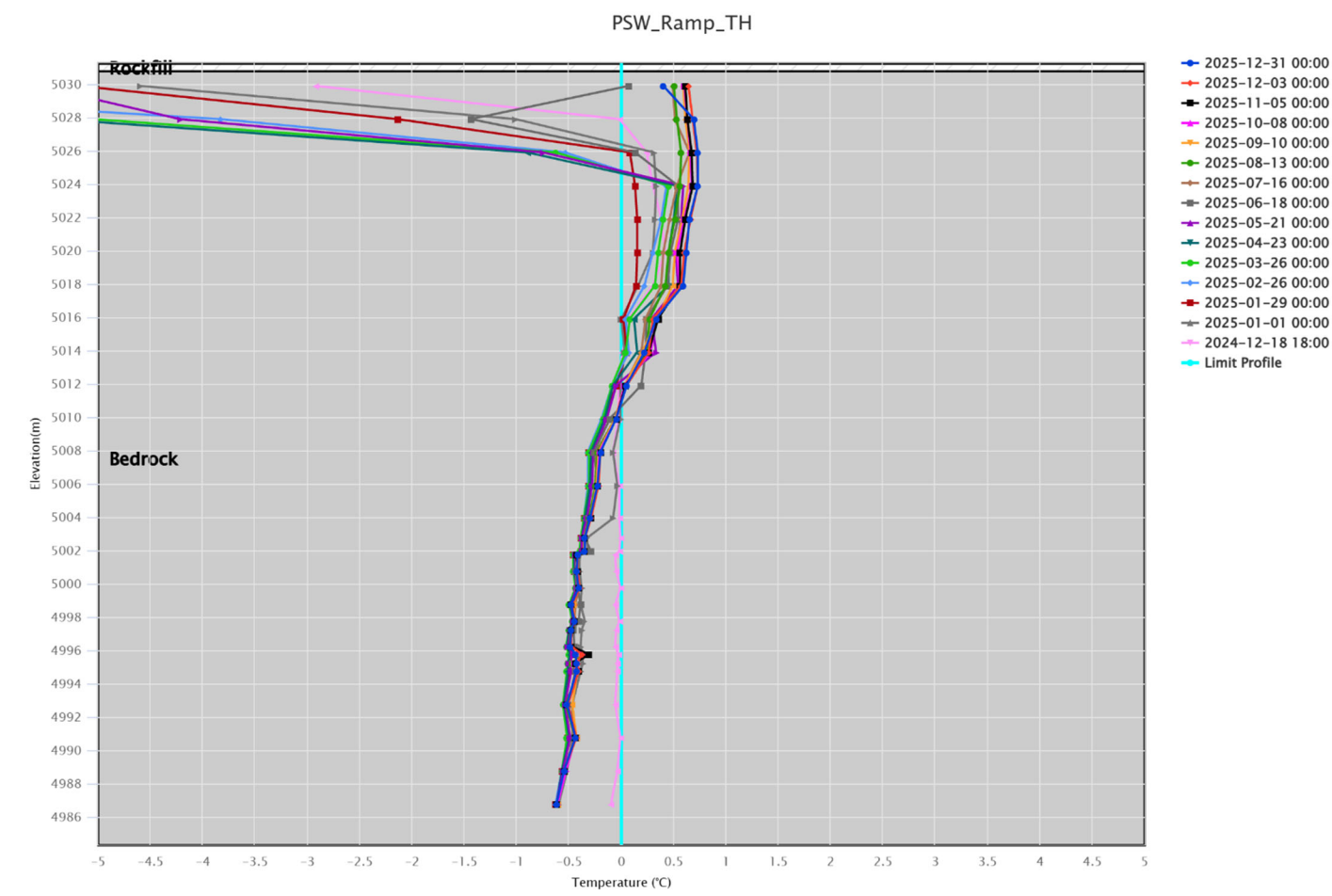
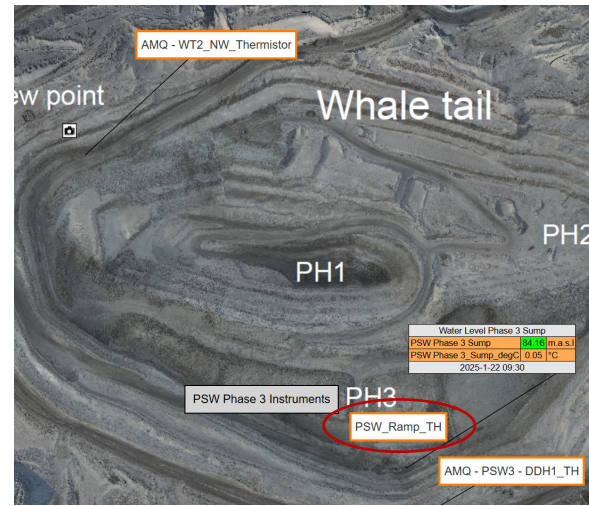
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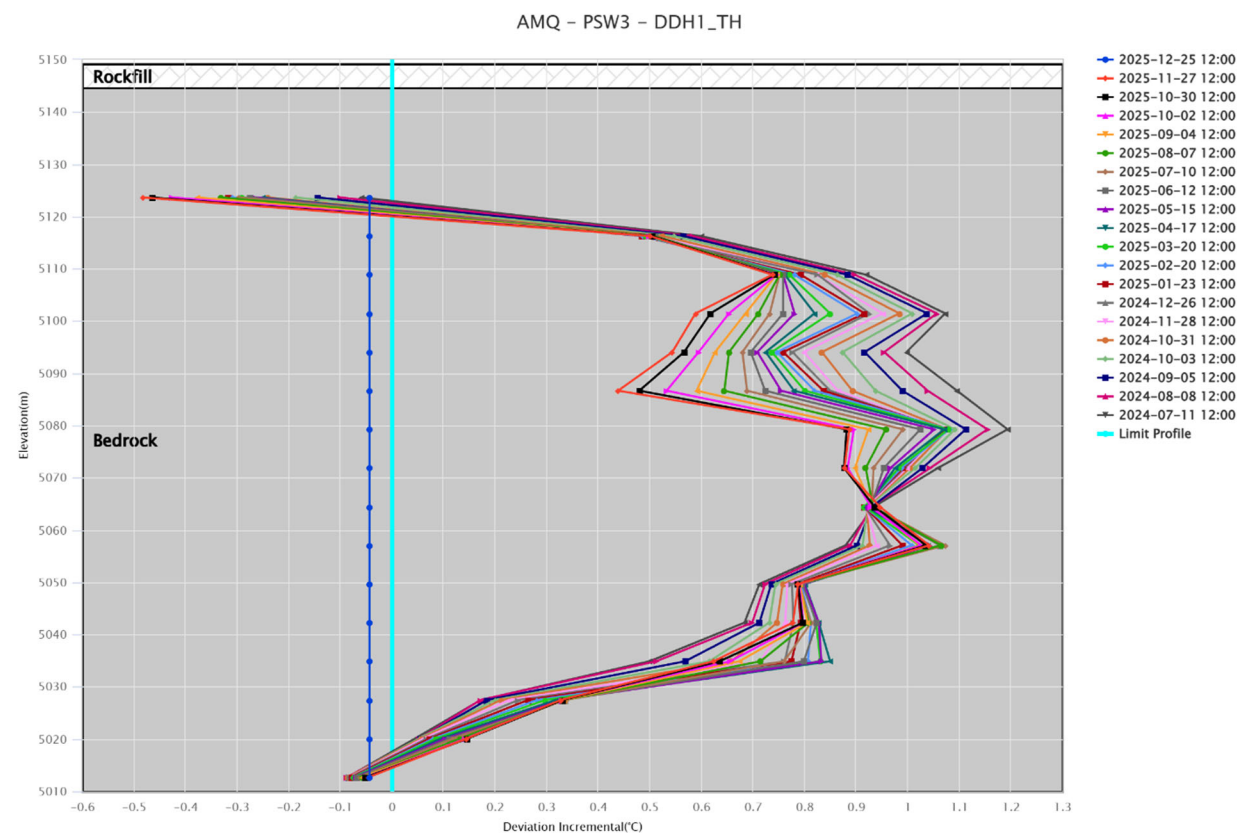
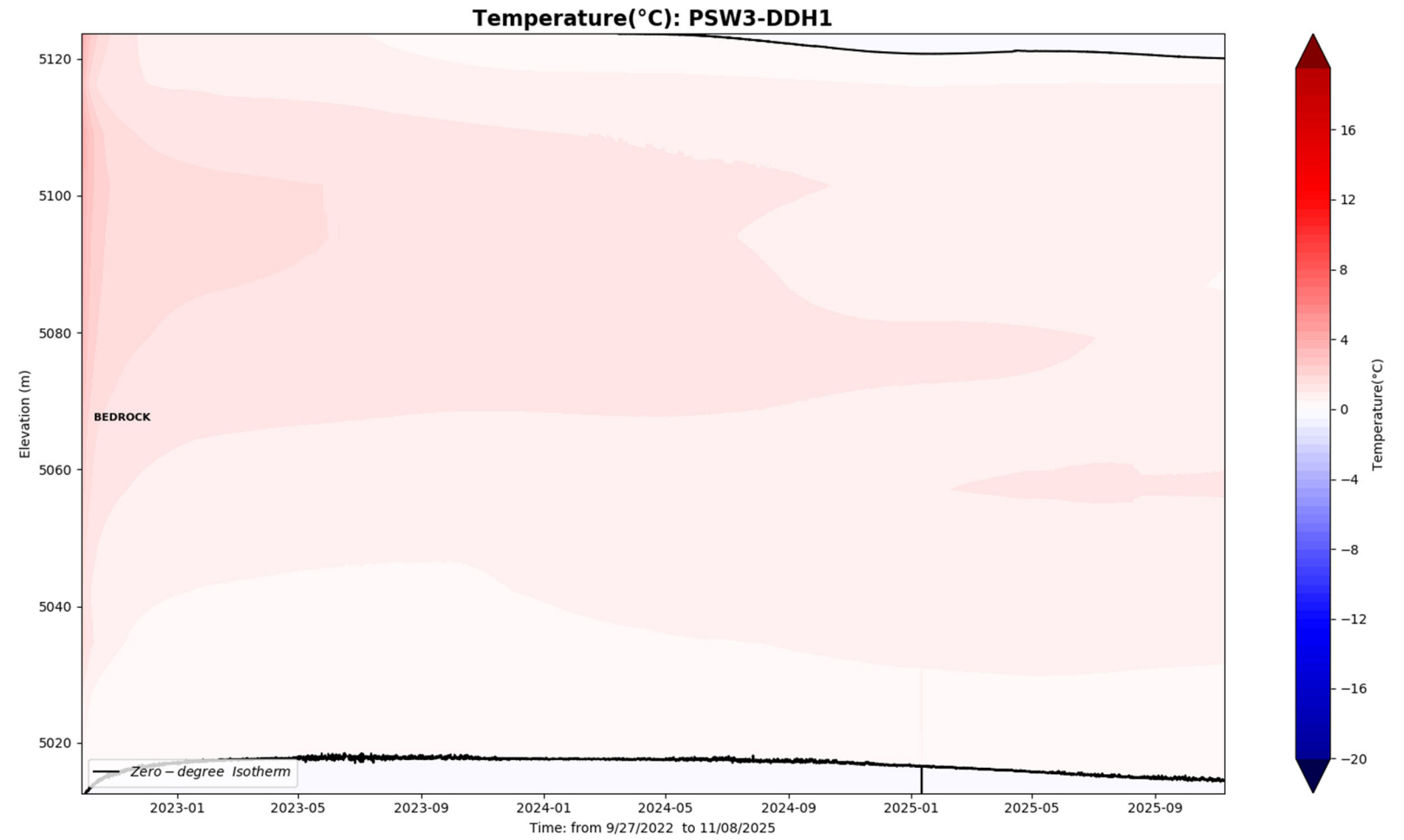
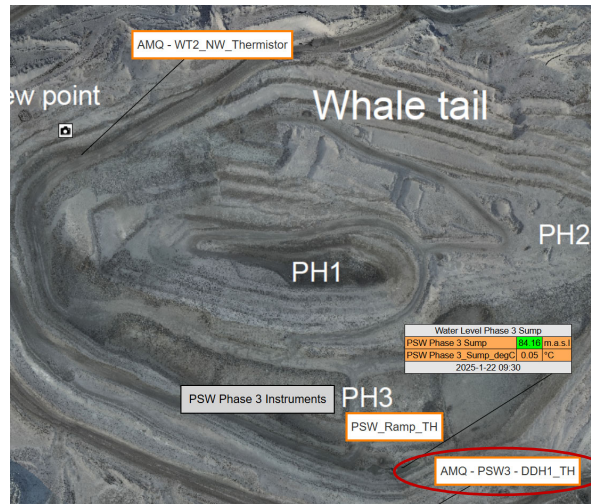
AMQ – WT2_NW_Thermistor



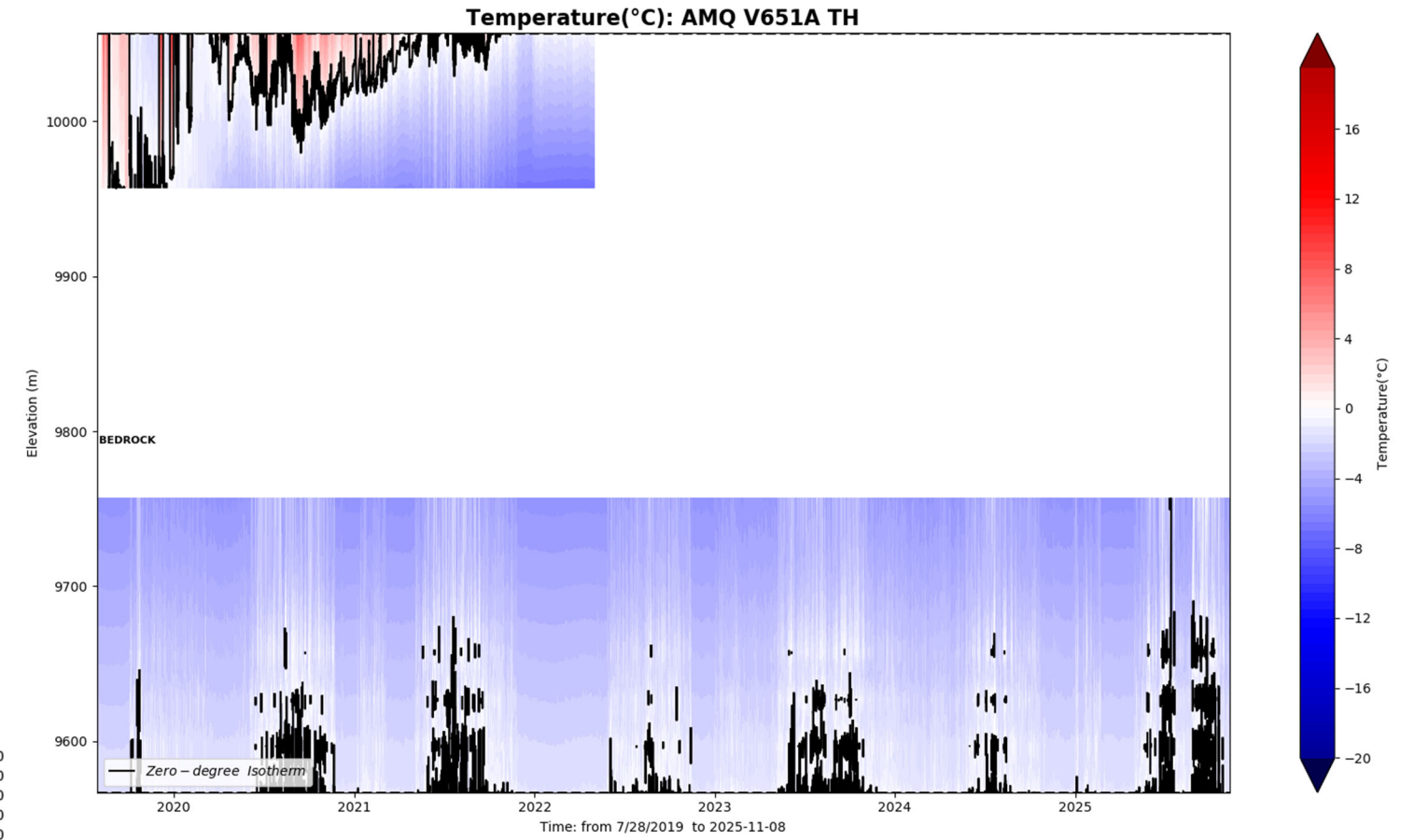
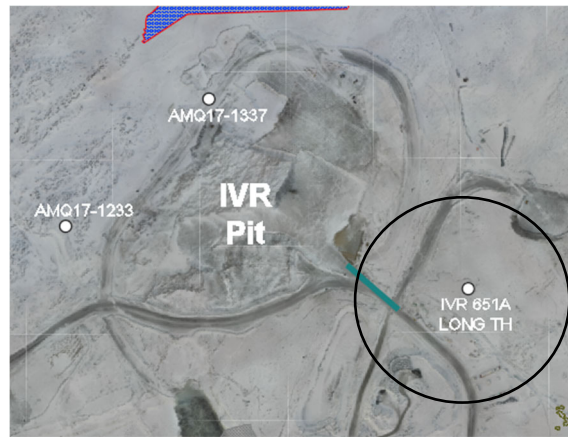
PSW_Ramp_TH



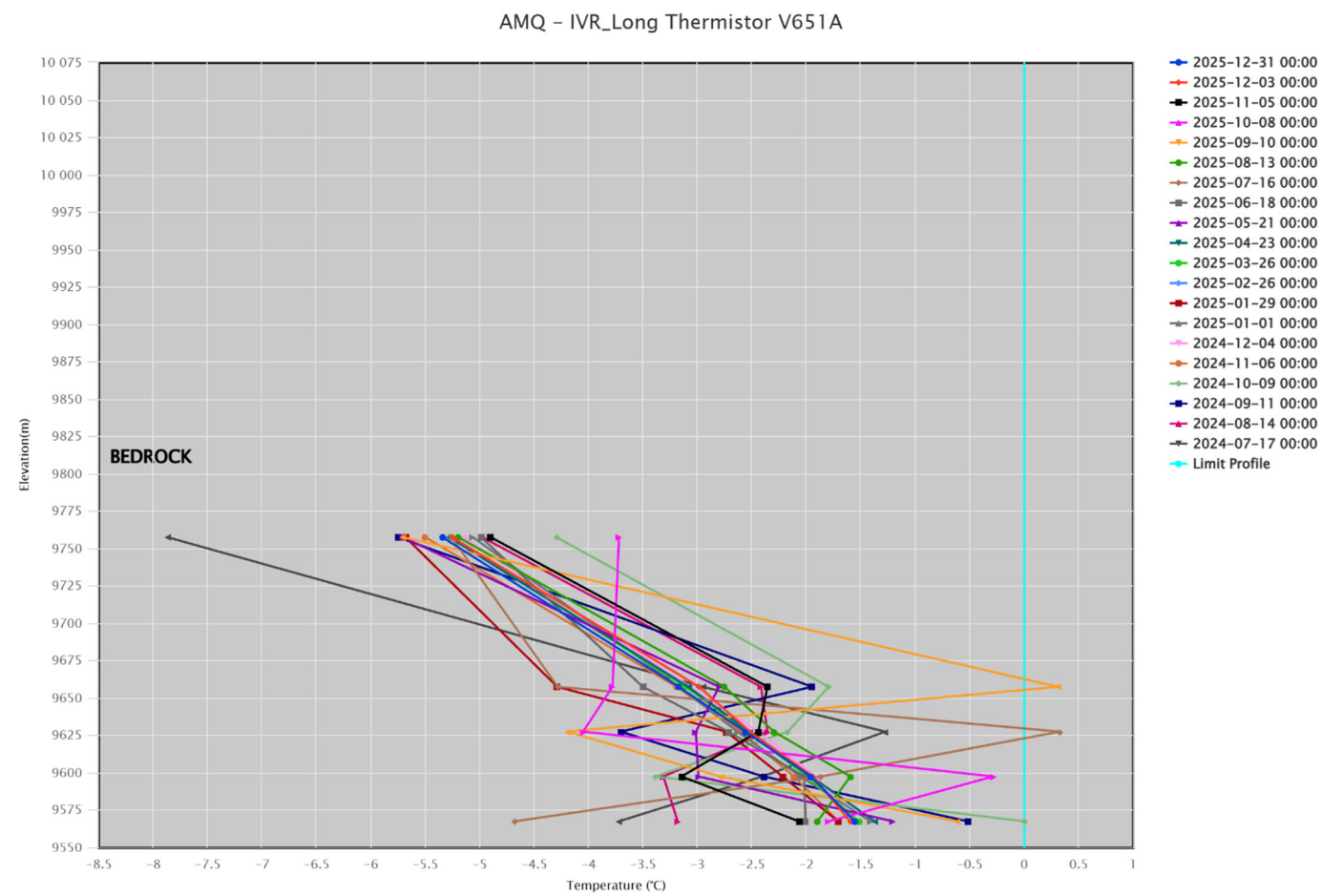
AMQ – PSW3 – DDH1_TH



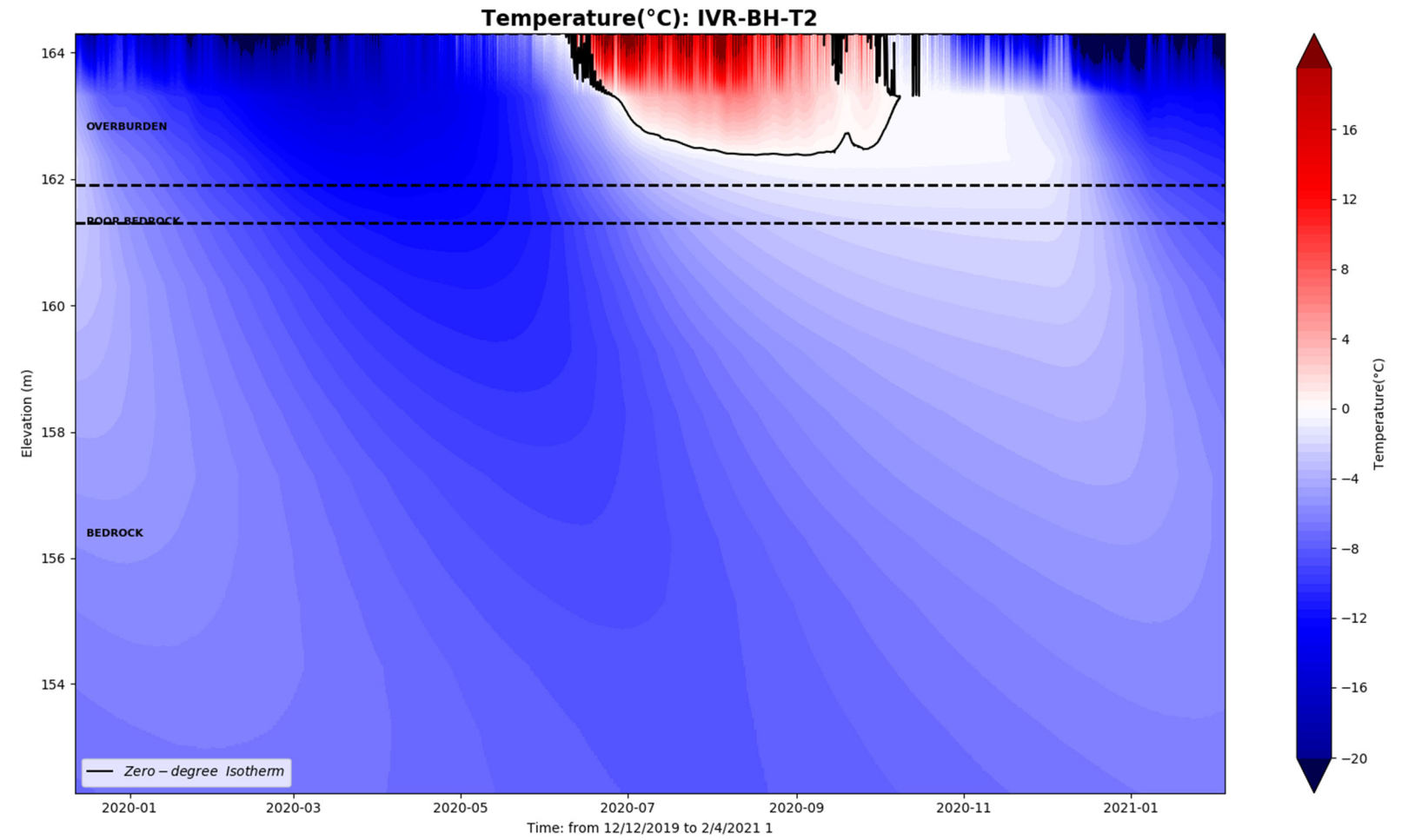
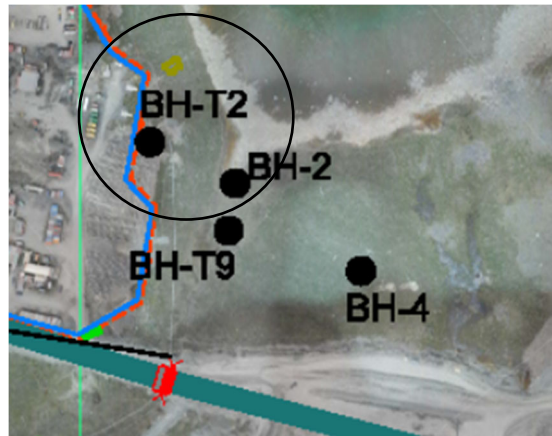
V651A Long TH



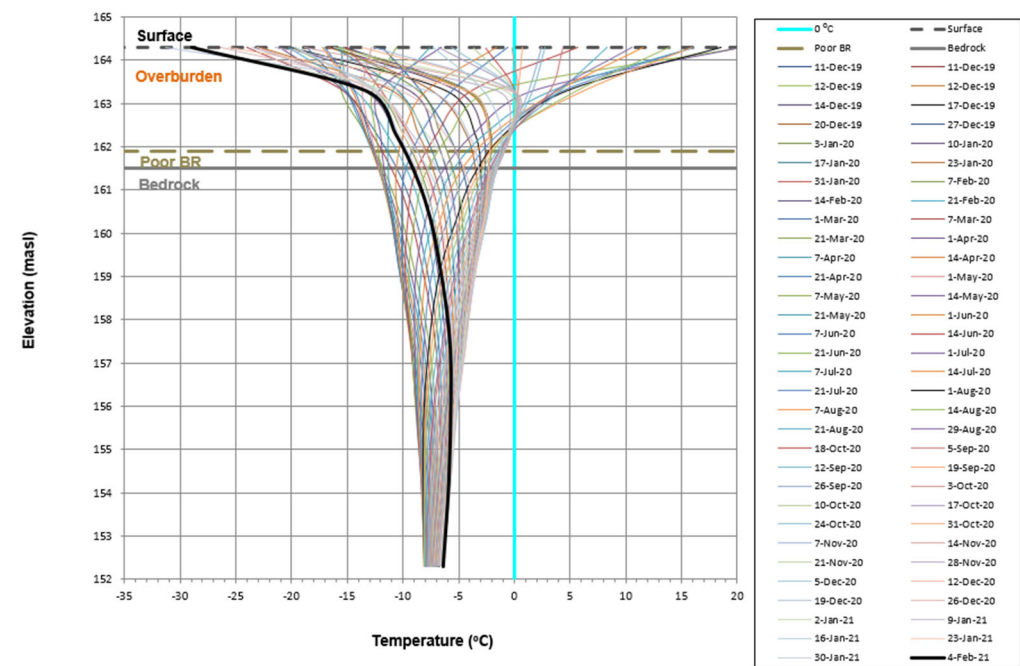
Note that readings are unstable and many beads are not functional



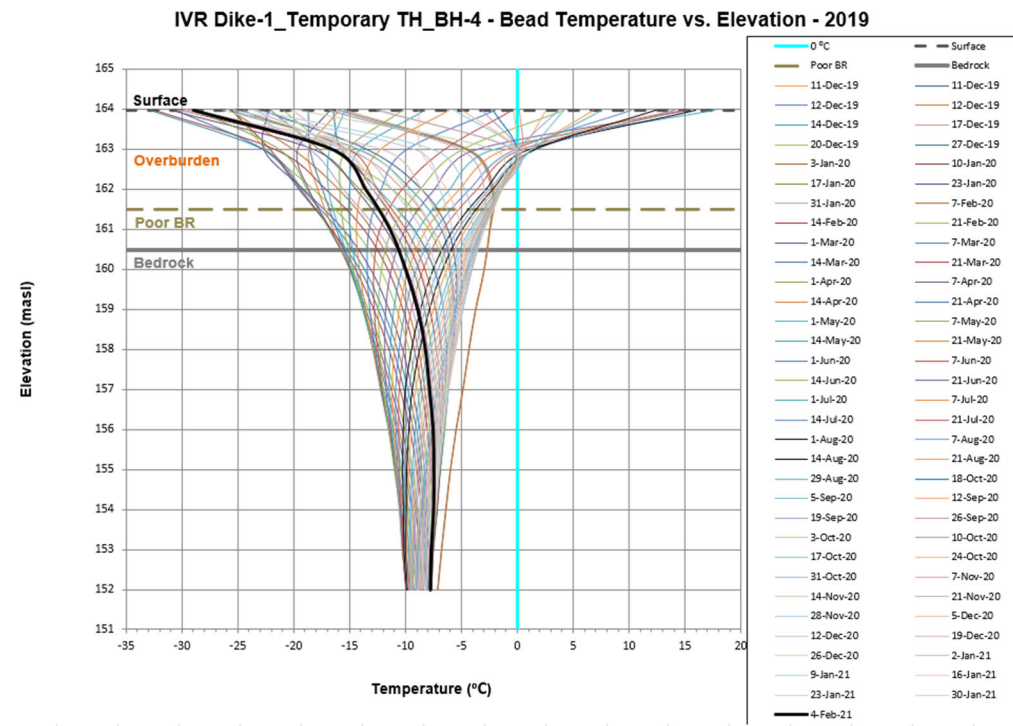
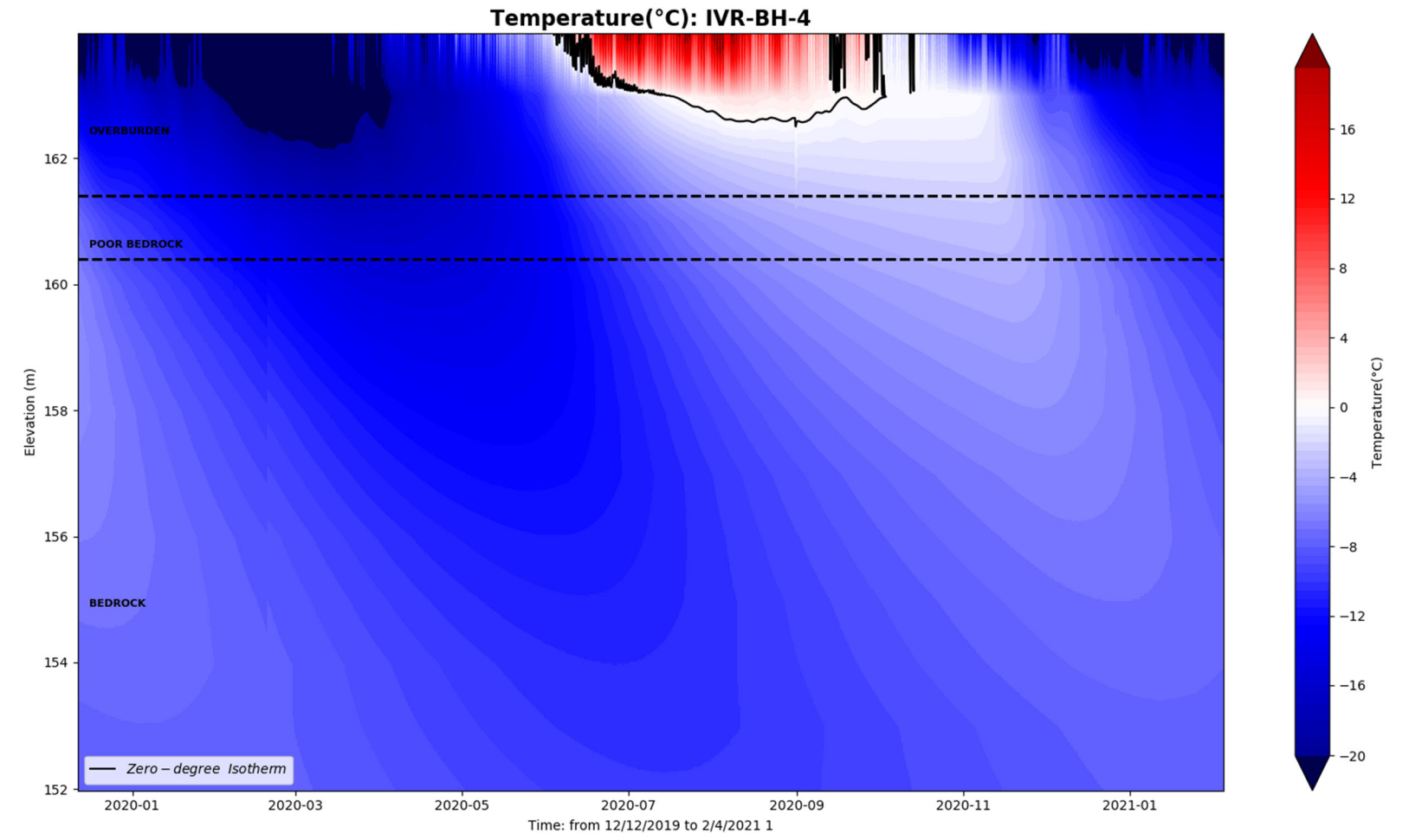
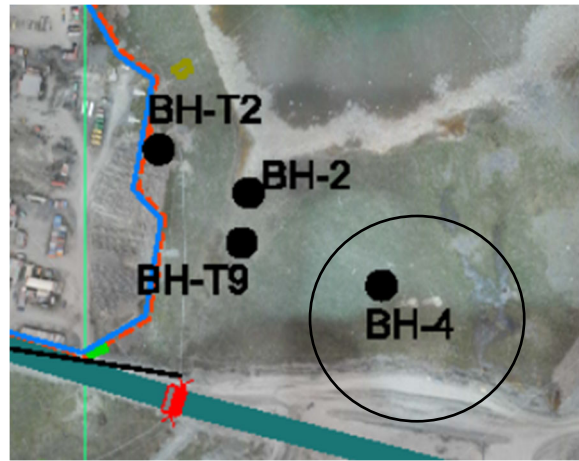
IVR-BH-T2



IVR Dike-1_Temporary TH_BH-T2 - Bead Temperature vs. Elevation - 2019

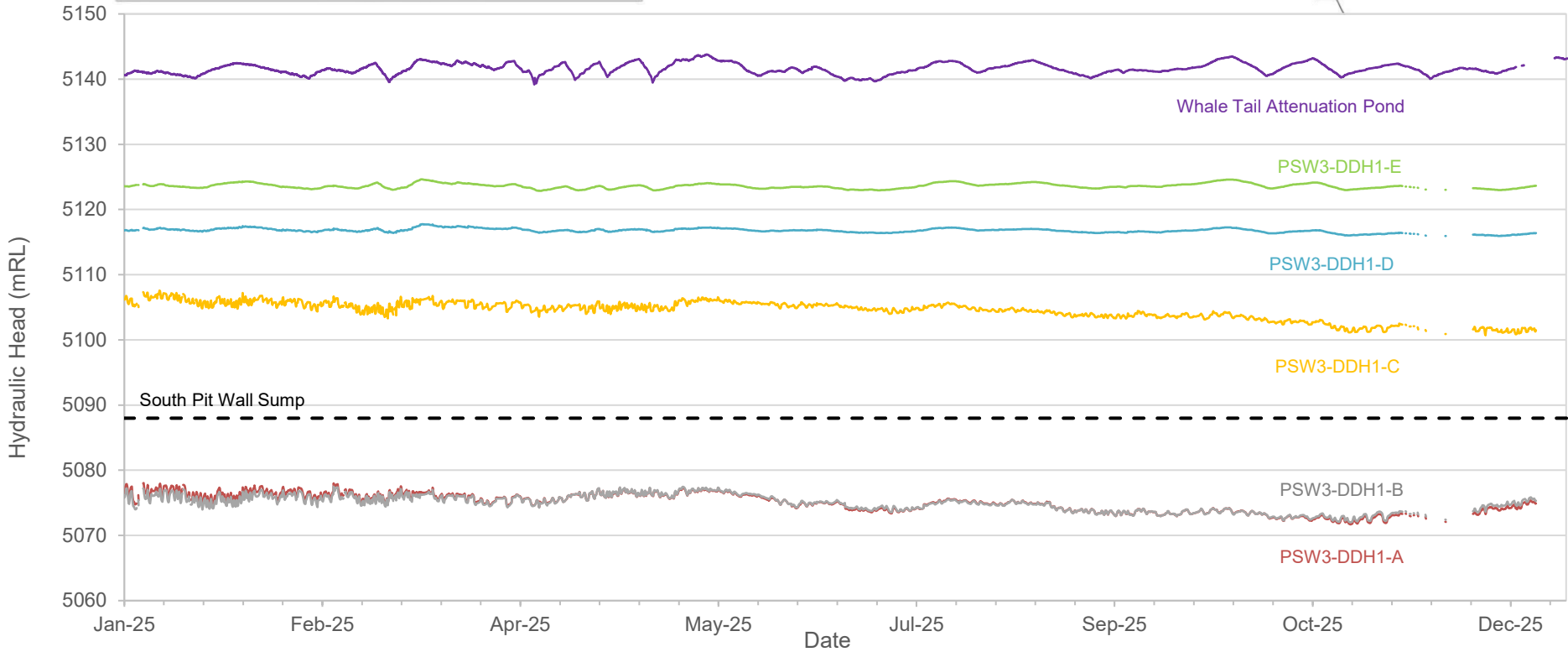
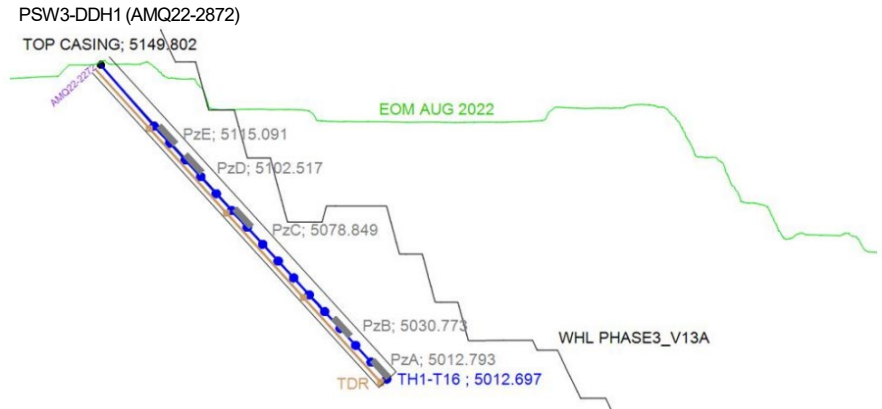
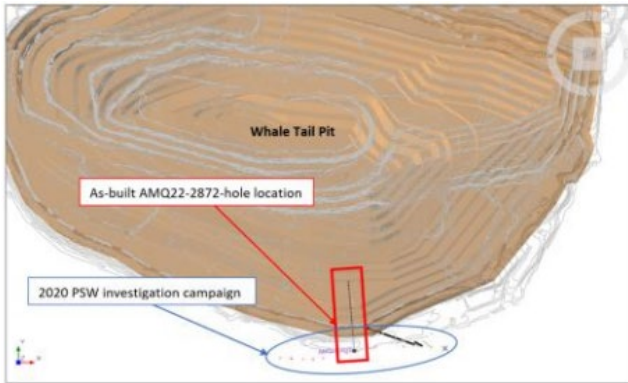


IVR-BH-4



ATTACHMENT C

2025 Piezometric Data



Notes:
 1) Borehole AMQ22-2872 (PSW3-DDH1) is instrumented with five multilevel piezometers (Pz), (A (deep) through E (shallow)).
 2) mRL – metres relative level (mine grid elevation)
 3) PSW3-DDH1A, -B, -C, -D and -E hydraulic head data unavailable between January 4 to 5, 2025, and between November 19 to December 7, 2025, due to equipment malfunction related to operations.
 4) Whale Tail Pit permanent sump (ST-WT-4) located at 4990 mRL and South Pit Wall sump located at 5088 mRL.

CLIENT

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MEADOWBANK DIVISION

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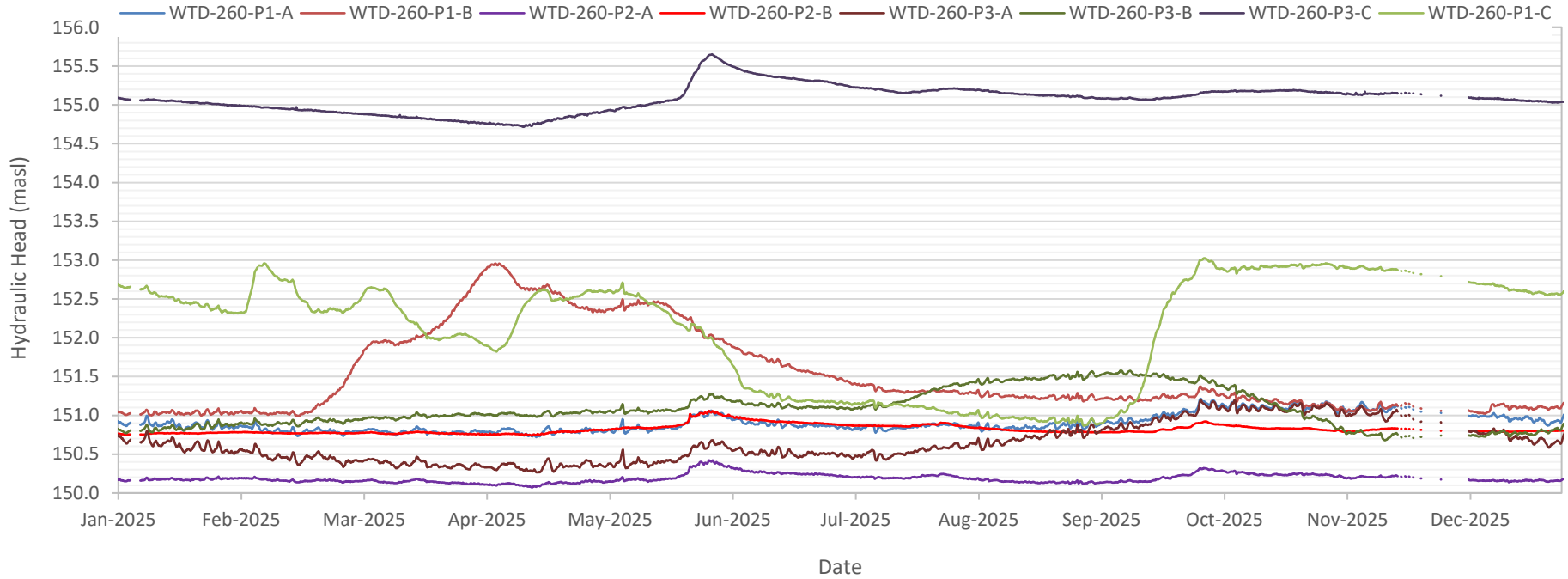
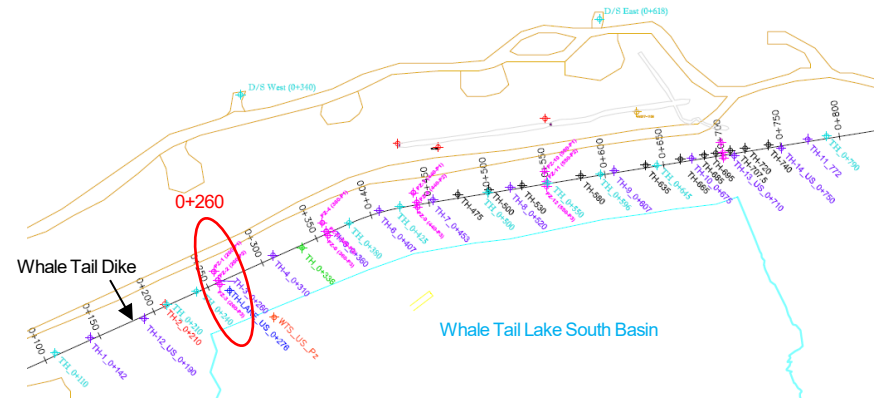
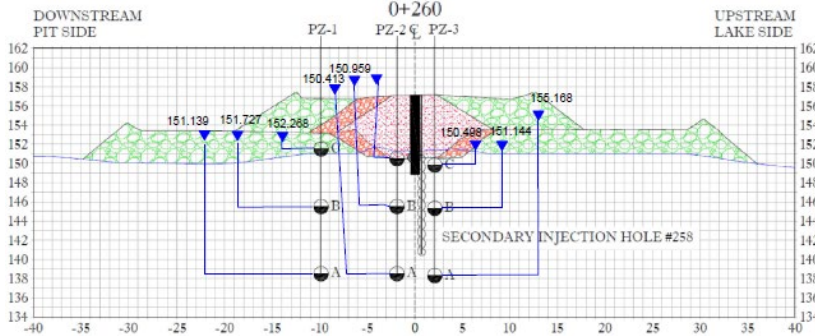

YYYY-MM-DD	2026-01-28
PREPARED	NU
DESIGN	--
REVIEW	DH
APPROVED	JL

PROJECT
2025 GROUNDWATER MONITORING PROGRAM
WHALE TAIL PIT PROJECT, NUNAVUT

TITLE
WHALE TAIL PIT SOUTH WALL AND WHALE TAIL
ATTENUATION POND HYDRAULIC HEAD DATA, JANUARY
TO DECEMBER 2025

PROJECT No.	DOC.	Rev.
CA0054001.6953	MBK2026_001	0

Whale Tail Dike - Section 0+260



Notes:
 1) WTD-260-P1-A, -B, and -C, WTD-260-P2-A, and -B, and WTD-260-P3-A, -B, and -C hydraulic head data unavailable between January 4 to 5, 2025, and intermittent between November 19 to December 7, 2025, due to equipment malfunction related to operations.

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PROJECT

2025 GROUNDWATER MONITORING PROGRAM
 WHALE TAIL PIT PROJECT, NUNAVUT

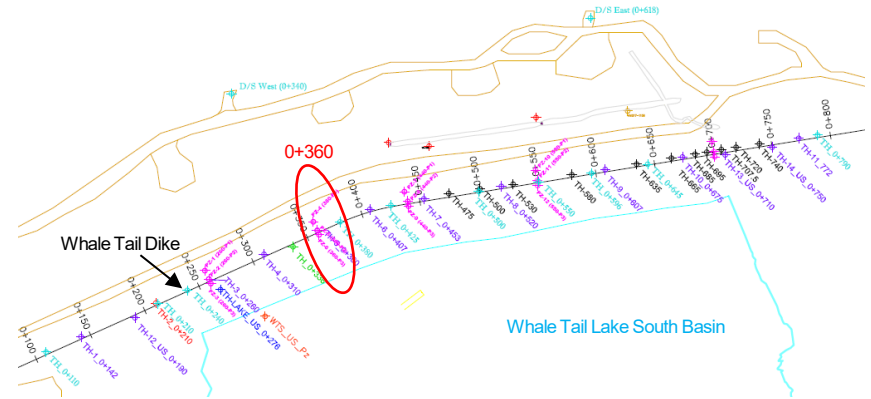
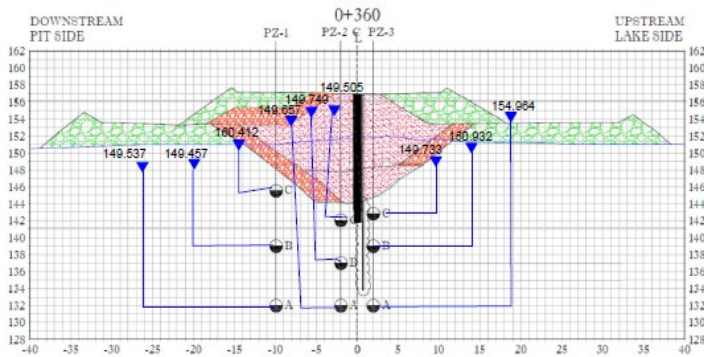
TITLE

**HYDRAULIC HEADS MEASURED AT WTD-260 SERIES
 PIEZOMETERS, JANUARY TO DECEMBER 2025**

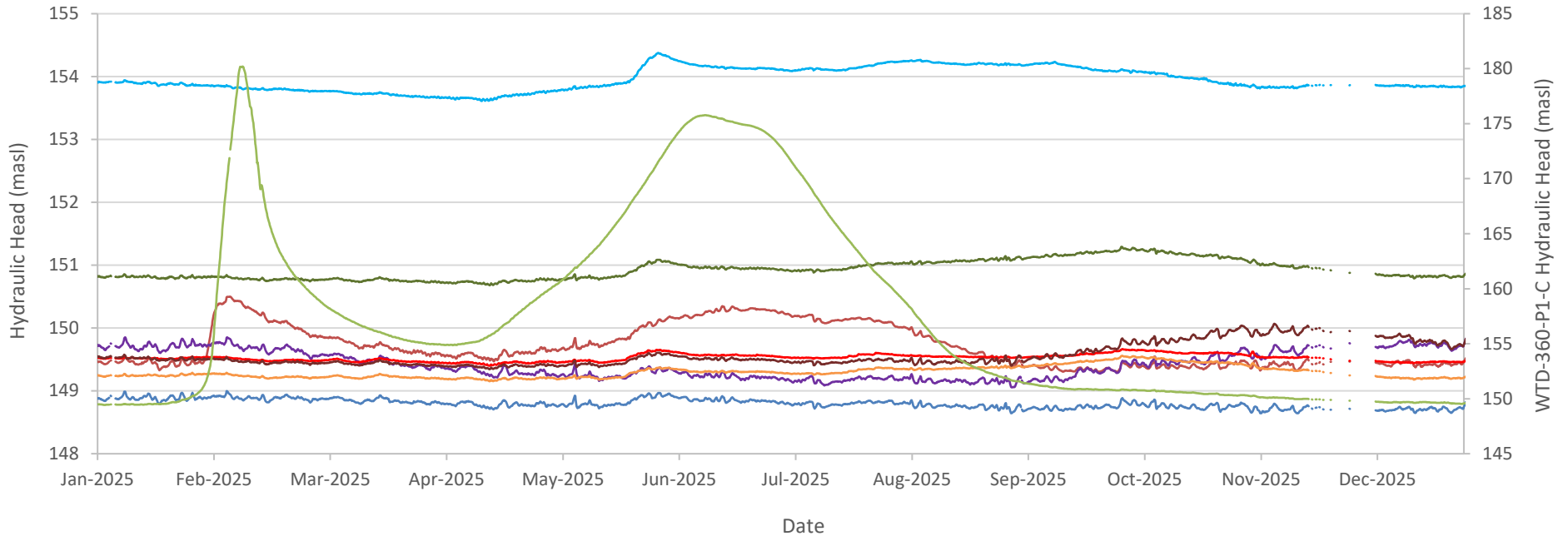
PROJECT No. CA0054001.6953
 DOC. MBK2026_001

Rev. 0

Whale Tail Dike - Section 0+360



- WTD-360-P1-A
- WTD-360-P1-B
- WTD-360-P2-A
- WTD-360-P2-B
- WTD-360-P2-C
- WTD-360-P3-A
- WTD-360-P3-B
- WTD-360-P3-C
- WTD-360-P1-C



Notes:
 1) WTD-360-P1-A, -B, and -C, WTD-360-P2-A, -B, and -C, and WTD-360-P3-A, -B, and -C hydraulic head data unavailable between January 4 to 5, 2025, and between November 19 to December 7, 2025, due to equipment malfunction related to operations.



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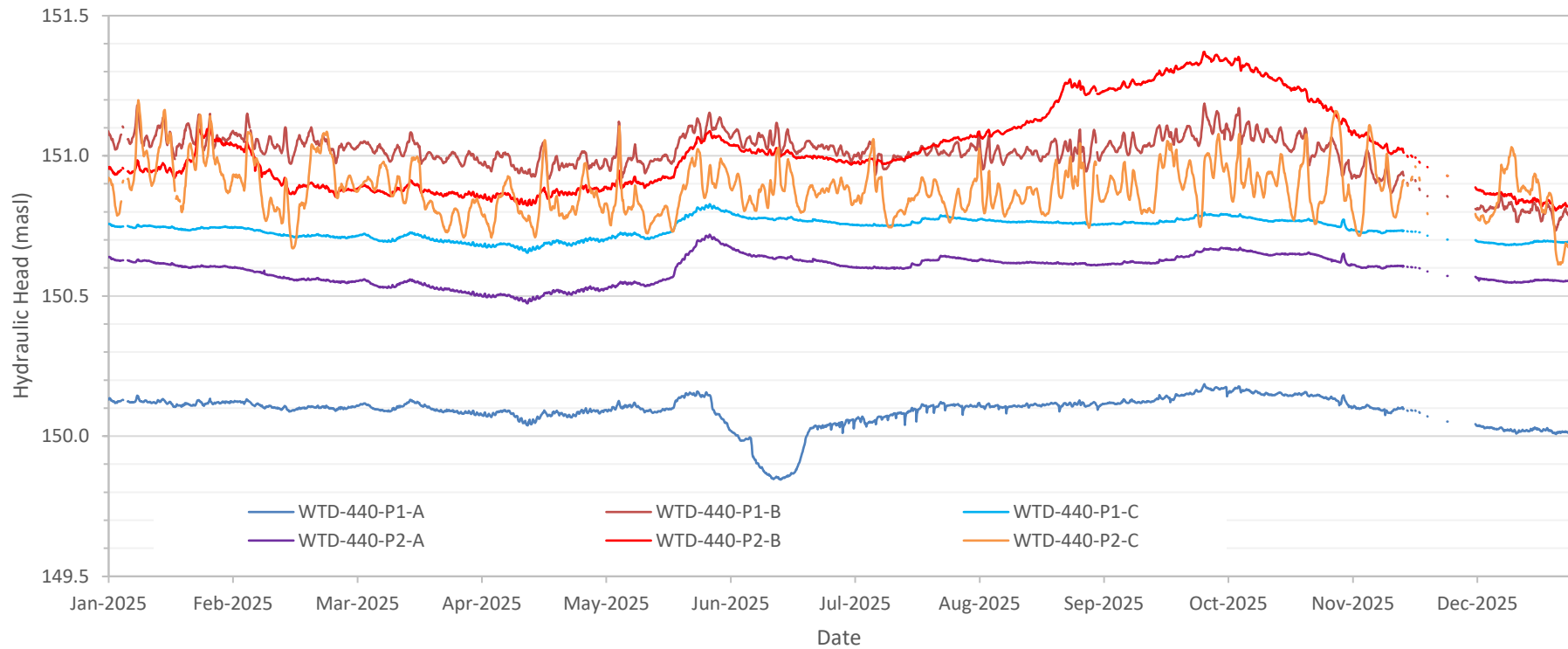
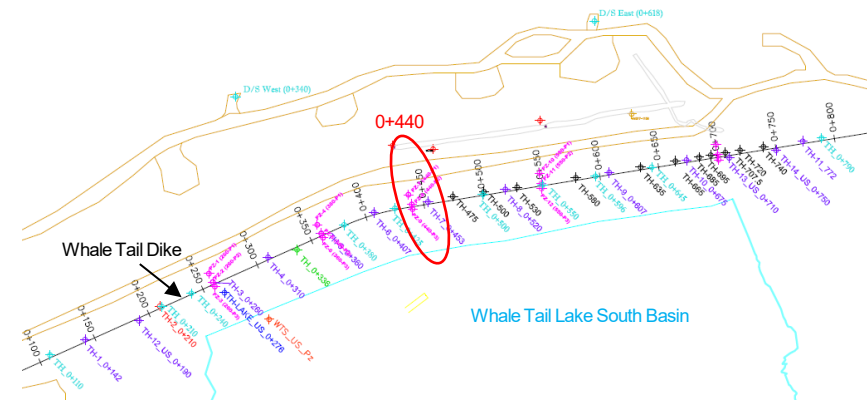
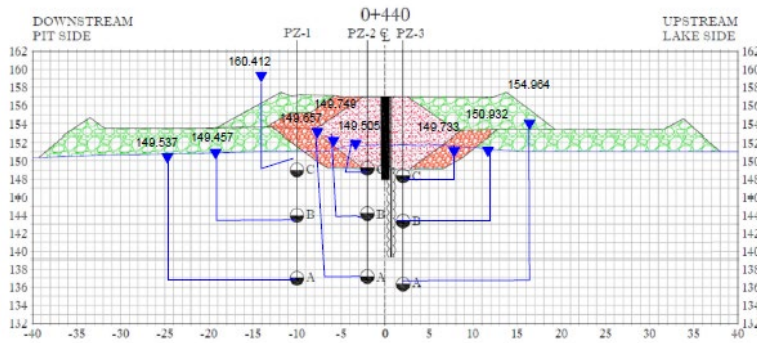
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 DESIGN --
 REVIEW DH
 APPROVED JL

PROJECT
 2025 GROUNDWATER MONITORING PROGRAM
 WHALE TAIL PIT PROJECT, NUNAVUT

TITLE
**HYDRAULIC HEADS MEASURED AT WTD-360 SERIES
 PIEZOMETERS, JANUARY TO DECEMBER 2025**

PROJECT No. DOC. Rev.
 CA0054001.6953 MBK2026_001 0

Whale Tail Dike - Section 0+440



Notes:
 1) WTD-440-P1-A, -B, and -C, and WTD-440-P2-A, -B, and -C hydraulic head data unavailable between January 4 to 5, 2025, and between November 19 to December 7, 2025, due to equipment malfunction related to operations.



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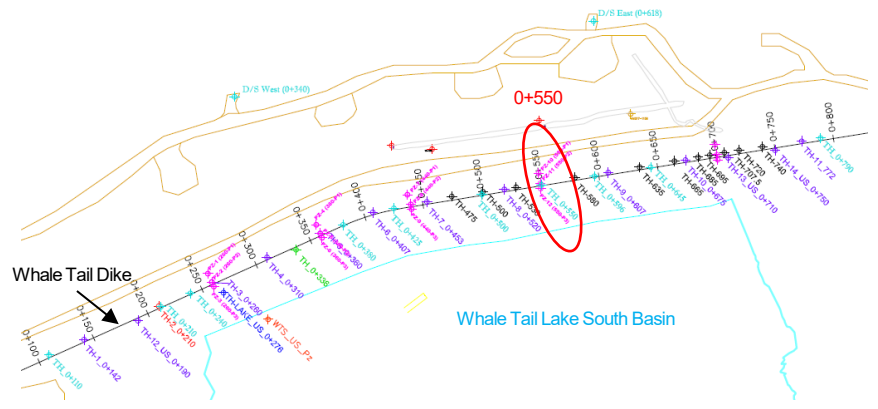
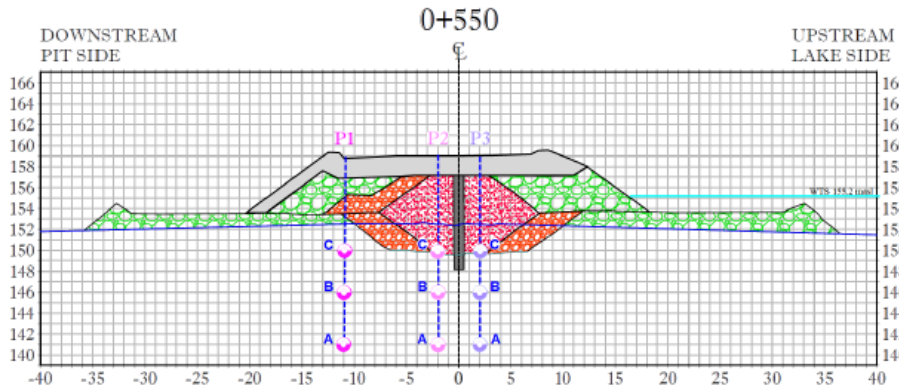
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PROJECT
 2025 GROUNDWATER MONITORING PROGRAM
 WHALE TAIL PIT PROJECT, NUNAVUT

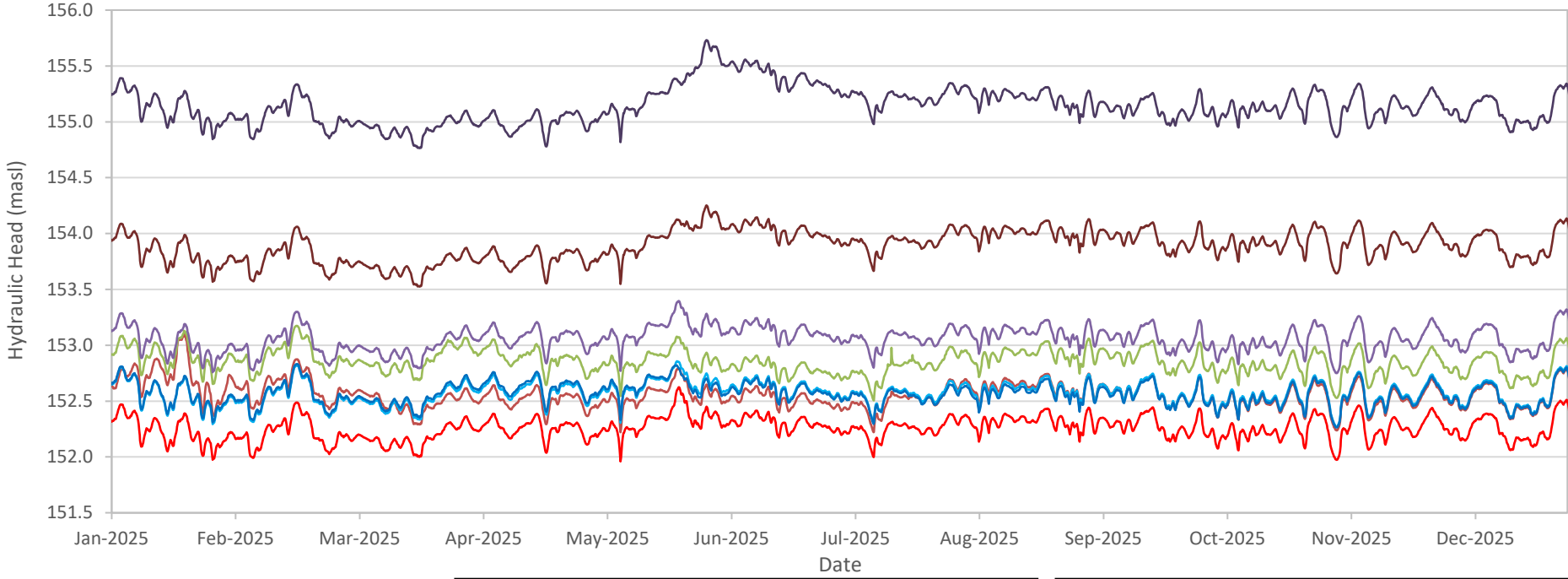
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 PIEZOMETERS, JANUARY TO DECEMBER 2025**

PROJECT No. CA0054001.6953
 DOC. MBK2026_001

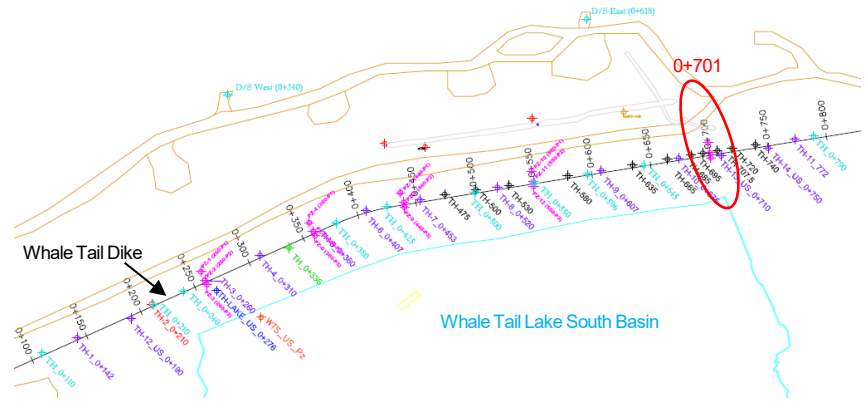
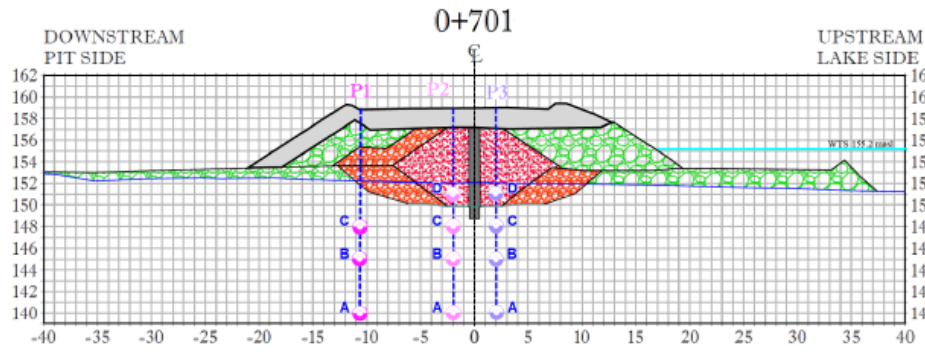
Rev. 0



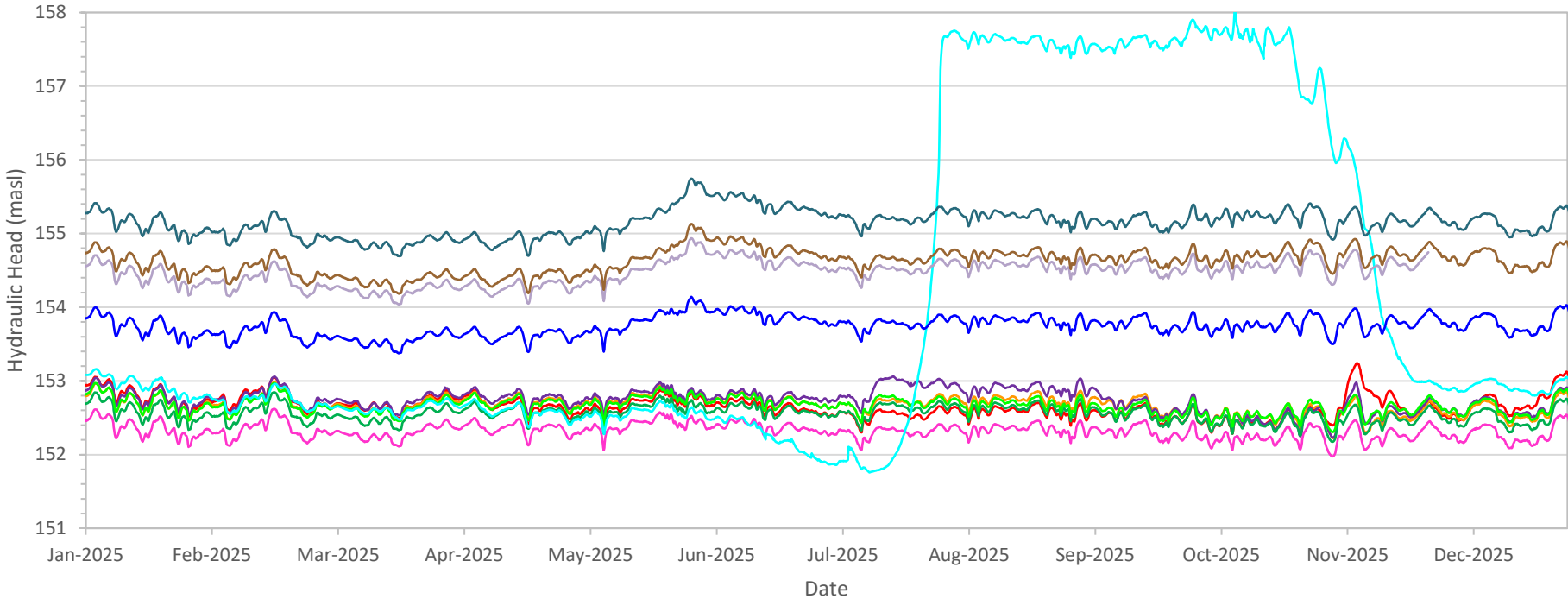
- WTD Upstream
- WTD-550-P1-A
- WTD-550-P1-B
- WTD-550-P1-C
- WTD-550-P2-A
- WTD-550-P2-B
- WTD-550-P2-C
- WTD-550-P3-A
- WTD-550-P3-C



<p>CLIENT</p> <p>AGNICO EAGLE</p> <p>CONSULTANT</p>	<p>AGNICO EAGLE MINES LIMITED: MEADOWBANK DIVISION</p> <p>YYYY-MM-DD 2026-01-28</p> <p>PREPARED NU</p> <p>DESIGN --</p> <p>REVIEW DH</p> <p>APPROVED JL</p>	<p>PROJECT</p> <p>2025 GROUNDWATER MONITORING PROGRAM WHALE TAIL PIT PROJECT, NUNAVUT</p> <p>TITLE</p> <p>HYDRAULIC HEADS MEASURED AT WTD-550 SERIES PIEZOMETERS, JANUARY TO DECEMBER 2025</p> <p>PROJECT No. DOC. Rev.</p> <p>CA0054001.6953 MBK2026_001 0</p>
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- WTD-701-P1-A
- WTD-701-P1-B
- WTD-701-P1-C
- WTD-701-P2-A
- WTD-701-P2-B
- WTD-701-P2-C
- WTD-701-P2-D
- WTD-701-P3-A
- WTD-701-P3-B
- WTD-701-P3-C
- WTD-701-P3-D



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CONSULTANT 	YYYY-MM-DD 2026-01-28 PREPARED NU DESIGN -- REVIEW DH APPROVED JL	TITLE HYDRAULIC HEADS MEASURED AT WTD UPSTREAM AND WTD-701 SERIES PIEZOMETERS, JANUARY TO DECEMBER 2025
		PROJECT No. DOC. CA0054001.6953 MBK2026_001
		Rev. 0

ATTACHMENT D

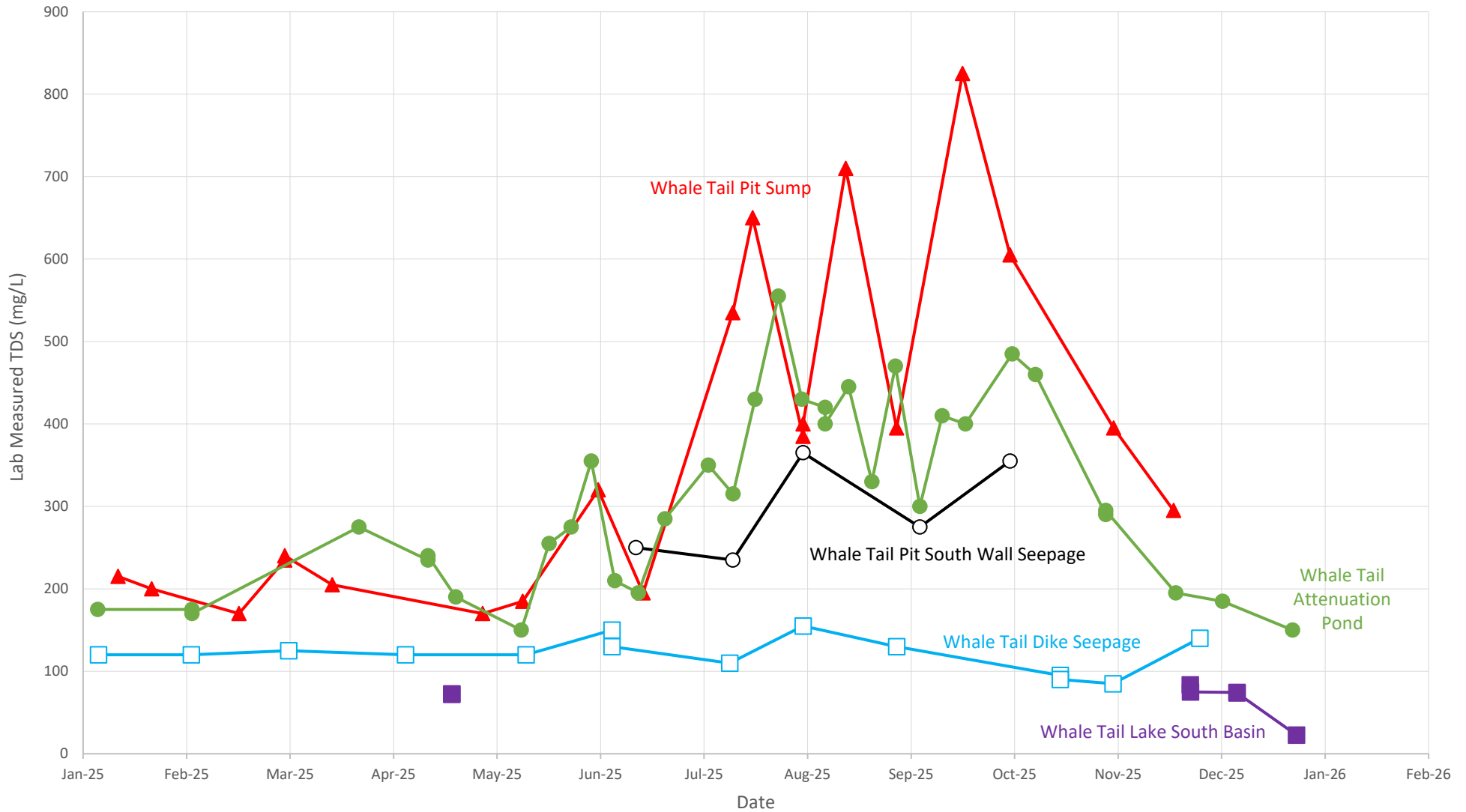
**2025 Seepage Survey
Photograph (provided by Agnico
Eagle)**



Photo 1: Seepage along Whale Tail Pit south wall December 2025.

ATTACHMENT E

**2025 Supplemental Water Quality Data
(provided by Agnico Eagle)**



○— ST-GW-WT-1
 ▲— ST-WT-4
 ●— ST-WT-1
 □— ST-WT-17
 ■— WTSE-1

Notes:

- ¹ Water quality samples collected by Agnico Eagle and analyzed by analytical laboratory Bureau Veritas.
- ² Calculated TDS is shown for the Whale Tail Lake South Basin as samples are not analyzed for TDS. TDS may be biased for
- ³ Whale Tail Lake South Basin (WTSE-1) as lab analysis did not include calcium, magnesium, potassium and sodium. Duplicates water quality results also shown for ST-WT-1, ST-WT-4, ST-WT-17 and WTSE-1.
- ⁴ Whale Tail South Wall seepage location inaccessible January through May and November through December 2025.



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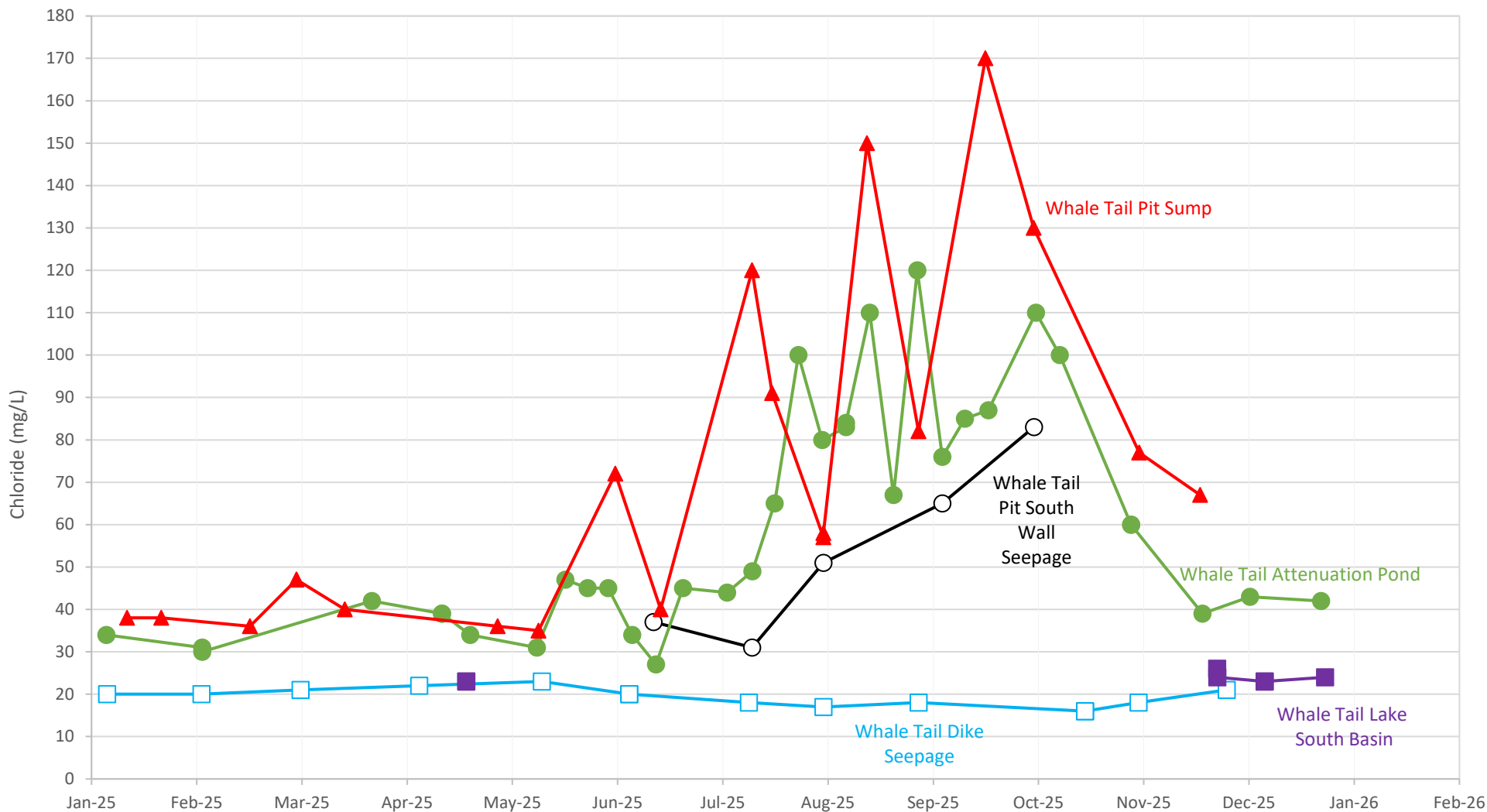
YYYY-MM-DD	2026-02-4
PREPARED	NU
DESIGN	-
REVIEW	DH
APPROVED	JL

PROJECT
**2025 GROUNDWATER MONITORING PROGRAM
WHALE TAIL PIT PROJECT, NUNAVUT**

TITLE
**TOTAL DISSOLVED SOLIDS (TDS) CONCENTRATIONS,
JANUARY TO DECEMBER 2025**

PROJECT No. CA0054001.6953 DOC. 2026MBK_001

Rev. 0



○— ST-GW-WT-1

●— ST-WT-1

▲— ST-WT-4

□— ST-WT-17

■— WTSE-1

Notes:

- ¹ Water quality samples collected by Agnico Eagle and analyzed by analytical laboratory Bureau Veritas.
- ² Duplicates water quality results also shown for ST-WT-1, ST-WT-4, ST-WT-17 and WTSE-1.

CLIENT



AGNICO EAGLE MINES LIMITED:
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YYYY-MM-DD	2026-02-04
PREPARED	NU
DESIGN	-
REVIEW	DH
APPROVED	JL

PROJECT

2025 GROUNDWATER MONITORING PROGRAM
WHALE TAIL PIT PROJECT, NUNAVUT

TITLE

**CHLORIDE CONCENTRATIONS, JANUARY TO DECEMBER
2025**

PROJECT No.	DOC.
CA0054001.6953	2026MBK_001

Rev.	0
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ATTACHMENT F

2022 Whale Tail Groundwater Model Update (Lorax 2023)

TECHNICAL MEMORANDUM

To: Marie-Pier Marcil, Eric Haley (Agnico Eagle) **Date:** Feb 22, 2023
Cc: Angie Arbaiza (Agnico Eagle)
From: Laura-Lee Findlater, Joseph Xu, Justin Bourne (Lorax) **Project #:** A634-8
Subject: 2022 Whale Tail Groundwater Model Update

1. Introduction

Agnico Eagle Mines Limited (Agnico Eagle) operates the Meadowbank Complex, a gold operation approximately 110 km north of Baker Lake by road in the Kivalliq District of Nunavut. Ore is mined from the Whale Tail site and processed at the Meadowbank mine site. The Whale Tail mine site is operated under Water Licence No. 2AM-WTP1830.

A numerical groundwater flow and transport model was initially developed in 2016 for Whale Tail Pit project assessment and permitting applications (Golder 2016). The model provided predictions of groundwater inflow and total dissolved solids (TDS) concentrations during operations and closure. The model was updated in 2019 to support the Expansion Project comprising a new underground development (Golder 2019a). The groundwater model update incorporated the revised mine plan and additional hydrogeological and thermal data and analyses compiled since 2016.

In accordance with the mine's Groundwater Monitoring Plan (GWMP), observed groundwater inflow rates are compared to model predictions in the Groundwater Management Monitoring Report appended to the Annual Report each year. In the most recently published Annual Report, WSP Golder (2022) indicates that 2021 winter inflow to the Whale Tail Pit was trending 50% higher than predictions (from Golder 2019a). This triggered a review and update of the groundwater model per the following conditions outlined in Section 5 of the GWMP:

- Groundwater inflow quantity to the mine, based on rolling monthly average of inflow over six consecutive months, is 20% higher than predicted groundwater inflow.

This memorandum briefly summarizes methods and results of the 2022 groundwater model update which comprised the following tasks:

- Rebuilding of the groundwater model to refine mesh in the area of interest and incorporate as-built mine extents;
- Calibration of the groundwater model to 2021 flow and water level data;
- Validation of the groundwater model; and,
- Predictions of future mine operations (2022-2025).

Areas where the 2022 groundwater model assumptions/parameterization differ from the 2019 groundwater model are discussed below. No transport simulations were undertaken under this mandate.

2. Numerical Methods

The 2022 groundwater model has been updated using the finite element modeling software FEFLOW (v.7.2) (DHI, 2022) which is the same modeling platform used to develop the 2019 groundwater model (Golder 2019a). The updated groundwater model domain covers similar lateral extents as the 2019 groundwater model except for a slight truncation of the model domain along the southwest margin. The model domain is divided into 35 layers of thickness ranging from 2 m to 80 m. The horizontal mesh size varies from approximately 12.5 m near the mine site to 25 m in more distal areas. Overall, the 2022 model has higher discretization than the 2019 model.

The 2022 groundwater model utilizes an updated permafrost distribution simulated by Golder which incorporated temperature data from more recent underground drillholes and expanded coverage into the northeast end of Kangislulik Lake (Golder 2021a) (Figure 1). The position of open and closed taliks did not change markedly between the 2021 thermal model and the 2019 version used to inform the 2019 groundwater model (Golder 2019b). The position of the closed talik extending into Whale Tail Pit was manually adjusted in the 2022 groundwater model to more accurately reflect temperature profiles measured from thermistors installed along the Whale Tail Pit south wall in 2020 (Figure 1).






Groundwater simulations were undertaken for current conditions and future operations. Mine extents for current operations (October 2021 and January 2022) were provided by Agnico Eagle. BBA Consultants provided end-of-year snapshots for 2022 through 2025 for future operations simulations. The model was run in steady-state mode for 2021 and 2022 simulations. For years 2023 through 2025, the model was run transiently to quantify groundwater released from aquifer storage to the underground.

For all 2021 through 2025 model runs, specified head boundary conditions of 155.5 m asl and 142 m asl were applied to the Whale Tail South Basin and Whale Tail Attenuation Pond, respectively. Of note, the top of the model domain has incorporated topographic data and Whale Tail Lake bathymetric data. The specific head boundary conditions were applied across multiple layers as dictated by lake depth. In contrast, the 2019 groundwater model assumed a uniform ground surface elevation of 148 m asl with specified head boundary conditions for the Whale Tail Lake and Attenuation Pond applied to the top layer only.



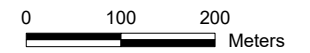
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

LEGEND

-  Vibrating Wire Piezometer/Thermistor
-  Westbay Installation
-  Wall Seepage
-  Sump (Flow and Water Quality)
-  Drillhole Trace

Coordinate System: NAD 1983 UTM Zone 14N
 Projection: Transverse Mercator
 Datum: North American 1983
 Units: Meter

1:8,000



DATE SAVED: Jan 31, 2023

DRAWN BY: GM

REVIEWED: LF

VERSION: 1

CLIENT:



AGNICO EAGLE



PROJECT:

**2022 Whale Tail
 Groundwater Model
 Update**

TITLE:

Whale Tail Pit Monitoring Stations
 Informing Groundwater Model

PROJECT #:

A634-8

FIGURE:

1

P:\@Drafting\Meadowbank\Drafting\Figures\WXDWT Groundwater Operation_20230130.mxd

3. Model Calibration and Validation

The 2022 groundwater model calibration benefitted from operational data not available for the 2019 model. Mining of the Whale Tail Pit, combined with prior dewatering of the north Whale Tail Lake basin, has served as a large-scale hydraulic stress upon which hydraulic parameters can be estimated.

The calibration data include 2021 average winter pumping rates from the Whale Tail Pit sump (Table 1) and November 2021 groundwater pressures measured at Westbay AMQ16-262 (Figure 1, Table 2). The groundwater model was calibrated in a steady-state simulation using the October 2021 pit extents, noting that the underground mining extents were limited to frozen ground and not interacting with the groundwater system. Since pit extents for earlier snapshots in 2021 were not readily available, the flow target used to calibrate the model was an average of flows measured between January-March and October-December 2021. This equated to an average target flow rate of 2059 m³/d.

**Table 1:
Volumes Pumped from the Whale Tail Pit Sump (2020-2021)**

Month	Total Pumped Volume ¹ (m ³)	Average Daily Pumping Rate (m ³ /day)
Oct-20	57,836	1,866
Nov-20	44,744	1,491
Dec-20	57,945	1,869
Jan-21	62,721	2,023
Feb-21	43,703	1,561
Mar-21	71,320	2,301
Apr-21	48,680	1,623
May-21	49,484	1,596
Jun-21	126,825	4,228
Jul-21	121,399	3,916
Aug-21	135,056	4,357
Sep-21	124,540	4,151
Oct-21	74,035	2,388
Nov-21	75,828	2,528
Dec-21	48,161	1,554
Jan-March , Oct-Dec 2021 Average		2,059

Notes:

1. 2020 volumes from Golder (2021b), 2021 volumes from WSP Golder (2022).

Table 2:
Simulated and observed November 2021 freshwater elevations at Westbay AMQ16-626

Port	Port Position (m bgs)	Port Position (m asl)	Water Level Elevation (m asl)		Residual (Simulated-Observed) (m)
			Observed ¹	Simulated	
6*	257.9	-103.4	147.6	146.61	-0.99
5	289.7	-124.8	148.2	147.16	-1.04
4	326.3	-171.8	150.1	147.95	-2.15
3	356.2	-201.7	150.0	148.31	-1.69
2	411.7	-257.2	149.8	149.50	-0.30
1	455.9	-301.4	150.0	150.05	0.05

Notes:

mbgs = metres below ground surface (vertical down from surface); m asl = metres above sea level; -- = not measured

*Port 6 is suspected to be located within or near the cryopeg, which may influence measured hydraulic head (WSP Golder 2022).

1. Estimated freshwater hydraulic heads compute from November 2, 2021 pore pressure measurements. Reported in WSP Golder (2022).

Bedrock hydraulic conductivity was adjusted until the average pit inflow rate and Westbay water levels were reasonably approximated, based on modeler professional judgement. The 2022 calibrated hydraulic conductivity distribution is shown in Figure 2 with parameters listed in Table 3. Through the calibration process, it was found that the difference in water levels measured between Westbay ports supported the use of anisotropy in bedrock hydraulic conductivity values, hence the two lines representing horizontal (K_h) and vertical hydraulic conductivity (K_v) in Figure 2. Both lines represent the Base Case hydraulic conductivity distribution determined in the 2022 groundwater model update. The ratio of horizontal to vertical hydraulic conductivity ranges from 2.5-fold to 10-fold (Table 3). The 2019 groundwater model assumed isotropic hydraulic conductivity ($K_h=K_v$). The Upper Case hydraulic conductivity distribution from 2019 is also shown in Figure 2.

Both the 2019 and 2022 models simulate a trend of decreasing hydraulic conductivity with depth and do not differentiate between lithological units (*i.e.*, hydraulic conductivity for the layer is uniform across the model domain). In addition, neither model version simulates enhanced permeability zones as hydraulic testing information at the time of model development had not indicated widespread occurrence of such features.

The 2022 groundwater model simulates a 2021 Whale Tail Pit winter inflow rate of 2,058 m³/d, which essentially matches the observed average winter flow rate target of 2,059 m³/d (<0.05% difference). Simulated water levels at Westbay AMQ16-262 agree within 2.2 m of observed values. (Table 2). For this time period, flows reporting to the Whale Tail Pit sump are approximately 30% derived from the Whale Tail Attenuation Pond and 70% derived from moderately deep groundwater (10 m to approximately 200 m) draining the Whale Tail South

Basin. No groundwater originating from deeper bedrock (>200 m) is simulated to report to the Whale Tail Pit sump. The 2019 groundwater model predicted a higher proportion of flow (~80%) originating from the attenuation pond.

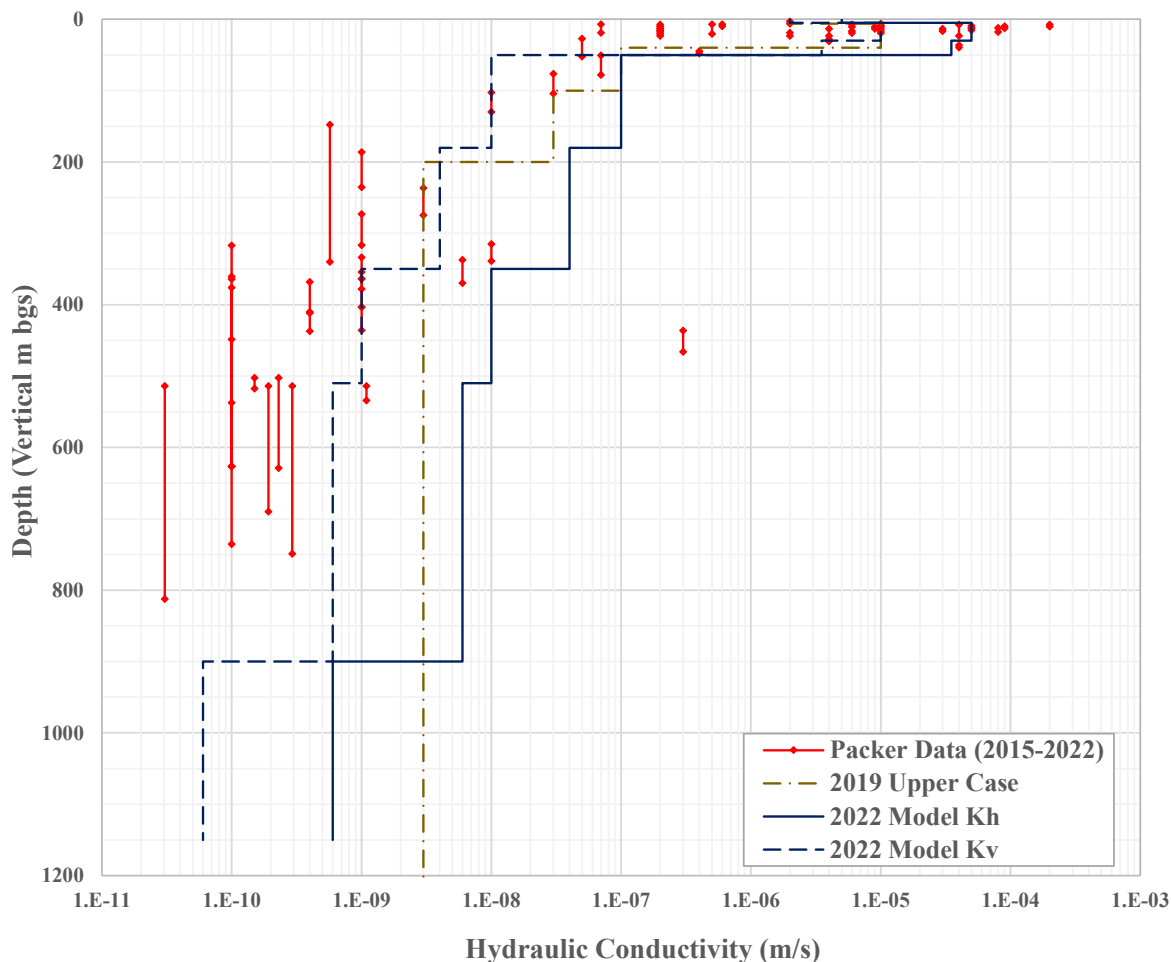


Figure 2: Simulated hydraulic conductivity distribution used in the 2019 and 2022 groundwater models.

4. Model Validation

The 2022 groundwater model was validated against four different data sources:

- i. Flow rates measured from a drillhole advanced near the Whale Tail Pit Seep #1 (ST-WT-GW-1) in November 2021;
- ii. January 2022 Whale Tail Pit sump flow rates;
- iii. Baseline water levels collected at Westbay AMQ16-262; and
- iv. August 2021 water levels collected from vibrating wire piezometers (VWPs) installed along the south wall of the Whale Tail Pit.

Table 3:
Calibrated hydraulic parameters from the 2022 groundwater model

Depth (mbgs)	2019 Model EA/Upper Case ¹	2022 Model				
	K (m/s)	K _h (m/s)	K _v (m/s)	K _h :K _v	Sy (-)	Ss (m ⁻¹)
2-6 (Overburden)	2.E-06	5E-06	2E-06	2.5	0.001	1E-04
6 – 30	1.E-05	5E-05	1E-05	5	0.01	1E-005
30 – 40	1.E-005	3.5E-05	3.5E-06	10	0.01	1E-05
40 – 50	1.E-07				0.01	1E-05
50 – 100	1.E-07	1E-07	1E-08	10	0.0006	1E-06
100 – 180	3.E-08				0.0006	1E-06
180 - 200	3.E-08	4E-08	4E-09	10	0.0006	1E-06
200 - 350	4.E-09				0.0006	1E-06
350 - 510	4.E-09	1E-08	1E-09	10	0.0006	1E-06
510 - 900		6E-09	6E-10	10	0.0006	1E-06
900 - 1150		6E-10	6E-11	10	0.0006	1E-06

Notes:

K= hydraulic conductivity, Sy = specific yield, Ss = specific storage

1. Per Golder (2019a)

4.1 ST-WT-GW-1 Drillhole Flow Rates

In an effort mitigate an ice wall which forms seasonally at the ST-WT-GW-1 seepage face, Agnico Eagle advanced an inclined borehole from the pit floor to concentrate the seepage. The borehole was drilled on October 21st, 2021, and flow rates measured on November 2nd and 8th, 2021 (Table 3, Figure 1). The drillhole was incorporated into the updated groundwater model and a steady state flow rate of 1,010 m³/d was simulated. The simulated value agrees within 10% observed values.

Table 4:
Whale Tail Pit South Wall Flowing Drillhole Data

Borehole ID		ST-WT-GW-1 (DH1)
Drilled Date		October 21, 2021
Northing	m	7,255,424.88
Easting	m	606,877.59
Collar Elevation	m asl	140.91
Azimuth/Dip	degrees	180/30
Length	m	58.30
Flow Rate Nov 2, 2021	m ³ /d	936
Flow Rate Nov 8, 2021	m ³ /d	1,080

4.2 January 2022 Pit Inflow Rates

The January 2022 Whale Tail Pit extents were incorporated into a steady-state run of the updated groundwater model. The model simulated 2,354 m³/d inflow to Whale Tail Pit, about 6% higher than the observed flow rate of 2,226 m³/d.

4.3 Baseline Water Levels

Baseline water levels were measured at Westbay AMQ16-262 in November 2018, prior to the onset of lake dewatering and mining activities (Table 4). The updated groundwater model was configured to simulate baseline conditions with Whale Tail Lake occupying its pre-mine limits at an elevation 153 m. Simulated and observed water level elevations for Westbay AMQ16-262 are provided in Table 4 and agree within 0.31 m of observed levels.

Table 5:
Simulated and observed baseline freshwater elevations at Westbay AMQ16-626

Port	Port Position (m bgs)	Port Position (m asl)	Water Level Elevation (m asl)		Residual (Simulated-Observed) (m)
			Observed ¹	Simulated	
6*	257.9	-103.4	154.0	153.69	-0.31
5	289.7	-124.8	--	153.64	N/A
4	326.3	-171.8	153.6	153.52	-0.08
3	356.2	-201.7	153.4	153.43	0.03
2	411.7	-257.2	152.9	152.93	0.03
1	455.9	-301.4	152.5	152.71	0.21

Notes:

mbgs = metres below ground surface (vertical down from surface); m asl = metres above sea level; -- = not measured

*Port 6 is suspected to be located within or near the cryopeg, which may influence measured hydraulic head (WSP Golder 2022).

1. Estimated freshwater hydraulic heads compute from November 9, 2018 pore pressure measurements. Reported in WSP Golder (2022).

4.4 Whale Tail Pit South Wall VWP

A series of thermistor strings nested with vibrating wire piezometers (VWPs) were installed along the south wall of the Whale Tail Pit in 2020 (Figure 1). These instruments collected water level data between June 2020 and August 2021 (Table 6) and were decommissioned thereafter on account of pit expansion. The water level in most piezometers dropped by several meters over the period of record on account of mining of the Whale Tail Pit. The water levels in the piezometers track closely with that of the Whale Tail Attenuation Pond but also respond to blasting in the pit (WSP Golder 2022).

**Table 6:
Simulated and observed water levels at Pit South Wall VWP**

Sensor	Collar Co-ordinates (m UTM)		Collar El. (m asl)	Dip	Az.	Approx. Sensor Depth ¹ (v m bgs)	Sensor Elevation (m asl)	August 2022 Water Level Elevation	Simulated October 2022 Water Level Elevation (m asl)	Residual (Simulated- Observed) (m asl)
	Easting	Northing								
DH3_PZ	607,016	7,255,140	147.6	90	0	20.8	126.89	129.22	134.54	5.32
DH6_PZ	607,058	7,255,184	147.8	90	0	22.8	124.99	134.89	134.45	-0.44
DH10_PZA	607,142	7,255,272	150.7	90	0	22.2	128.50	136.34	135.82	-0.52
DH11_PZA	607,156	7,255,287	151.2	50	0	108.8	42.47	131.37	130.04	-1.33
DH11_PZB	607,156	7,255,287	151.2	50	0	91.9	59.32	134.17	130.33	-3.84
DH11_PZC	607,156	7,255,287	151.2	50	0	76.6	74.64	133.63	130.66	-2.97
DH11_PZD	607,156	7,255,287	151.2	50	0	14.6	136.69	136.98	136.19	-0.79
DH12_PZA	607,168	7,255,294	151.9	50	0	16.6	135.31	137.46	136.73	-0.73
DH12_PZB	607,168	7,255,294	151.9	50	0	14.6	137.38	137.48	136.76	-0.72
DH12_PZC	607,168	7,255,294	151.9	50	0	11.9	140.06	139.00	136.80	-2.20
DH13_PZA	n/a	n/a	145.4	90	0	103.2	40.80	128.00	120.14	-7.87
DH13_PZB	n/a	n/a	145.4	90	0	63.2	80.80	135.24	123.18	-12.06
DH14_PZA	n/a	n/a	130.8	90	0	79.5	53.50	109.41	97.10	-12.31
DH14_PZB	n/a	n/a	130.8	90	0	54.5	78.50	108.34	101.52	-6.82

Notes:

n/a = not available, v m bgs = vertical metres below existing ground surface, m asl = metres above sea level
Wells in red were used to adjust shallow permafrost depth in 2022 groundwater model.

Observed August 2021 and simulated October 2021 water levels for the VWPs are provided in Table 6. In comparing the simulated and observed water levels, it should be noted that the August measurements occur during a high flow period while the groundwater model simulates a low flow period. Thus, the comparison is not truly a model validation, rather it is an independent check that the model is reasonably approximating water levels in this area. The simulated water levels are predominantly lower than the observed values, which is to be expected given the disparate flow seasons represented.

5. Model Predictions (2022-2025)

Simulated Whale Tail Pit and underground dewatering rates for future operations are provided in Table 7 and Table 8, respectively. Upper case predictions from the 2019 groundwater model are shown for reference. Overall, groundwater inflows to Whale Tail Pit are predicted to stabilize in 2023 as pit expansion is limited to frozen ground. Conservatively, neither the 2019 nor 2022 groundwater models simulate permafrost aggradation into the Whale Tail Pit south wall during this time, although experience at Meadowbank suggests that this is a possibility.

The 2022 groundwater model predicts pit inflow rates that are essentially double the 2019 Upper Case estimates (Table 7). This is attributed to a variety of factors, including higher hydraulic conductivity values (particularly K_h) used in the 2022 model over the upper 200 m interval (Figure 2); differences in pit representation on account of a higher resolution mesh in the 2022 model, adjustments to the depth of the closed talik in the pit (Section 2) and differences lake boundary condition implementation between the two models (Section 2).

The proportion of pit inflow derived from the Whale Tail South Basin and Attenuation Pond also differs between the 2019 and 2022 models (Table 7). The 2022 model predicts that most flow to the pit (~65-67%) is derived from the Whale Tail South Basin, which the 2019 model predicted to contribute 15% or less flow to the pit. Of the total flow the 2022 model predicts to report to the pit, 10% of this travels from the Whale Tail South Basin to the Attenuation Pond then onto the pit. This flow component is included in the portion of flow originating from the Whale Tail South Basin (columns 5 and 6 of Table 7). Using 2025 as an example, of the 2,438 m³/d that is derived from the Whale Tail South Basin, 375 m³/d (10% of 3,750 m³/d) total pit inflow first reports to the Whale Tail Attenuation Pond, and then travels to the pit.

The underground dewatering rates predicted by 2022 groundwater model are generally lower than those predicted by the 2019 groundwater model (Table 8). This difference is attributed to a combination of factors, including lower vertical hydraulic conductivity and higher mesh refinement used in the 2022 model as well as modifications to the mine plan.

**Table 7:
Simulated Whale Tail Pit Inflow for Future Operations (2022-2025)**

Year	2022 Groundwater Model - Base Case					2019 Groundwater Model – Upper Case ²				
	Whale Tail Pit Inflow	Inflow from Whale Tail Attenuation Pond		Inflow From Whale Tail South Basin ³		Whale Tail Pit Inflow	Inflow from Whale Tail Attenuation Pond		Inflow From Whale Tail South Basin	
	(m ³ /d) ¹	%	m ³ /d	%	m ³ /d	m ³ /d	%	m ³ /d	%	m ³ /d
2022	3,070	33%	1,013	67%	2,057	1,360	81%	1,102	9%	122
2023	3,740	35%	1,309	65%	2,431	1,360	82%	1,115	12%	163
2024	3,750	35%	1,313	65%	2,438	1,350	82%	1,107	14%	189
2025	3,750	35%	1,313	65%	2,438	1,350	82%	1,107	15%	203

Notes:

1. Year 2022 simulated as a steady-state run using the end of year snapshot. All other years simulated in transient runs using end of year snapshots; inflow values represent and average of the year and include release from storage.
2. Per Golder (2019a).
3. Approximately 10% of the inflow to Whale Tail Pit travels from the Whale Tail South Basin to the Whale Tail Attenuation Pond and then on to the pit. This flow is included in the percentage/flow rate originating from the Whale Tail South Basin.

**Table 8:
Simulated Whale Tail Underground Inflow for Future Operations (2022-2025)**

Year	Underground Inflow (m ³ /d)	
	2022 Groundwater Model – Base Case ¹	2019 Groundwater Model – Upper Case ¹
2022	10	250
2023	30	420
2024	60	410
2025	290	340

Notes:

1. Year 2022 simulated as a steady-state run using the end of year snapshot. All other years simulated in transient runs using end of year snapshots; inflow values represent an average of the year and include release from storage.
2. Per Golder (2019a).

6. Summary

The Whale Tail groundwater model was updated in 2022 to improve model performance against observed winter inflows to the Whale Tail Pit. The model update comprised refinement of the model mesh and incorporation of an updated permafrost surface determined by the 2021 thermal model update and observations from thermistors installed along the pit the south wall in 2020. The model was calibrated to winter 2021 flows (January-March and October-December) and November 2021 Westbay water levels while simulating the October 2021 as-built mine extents. The model essentially reproduces observed flows (2,058 m³/d) and reasonably simulates Westbay water level data. The data supported the use of anisotropy in hydraulic conductivity, with Kh exceeding Kv by 2.5 to 10 times. In contrast, the 2019 groundwater model utilized isotropic hydraulic conductivity (Kh = Kv).

The 2022 model was validated against flow rates measured at a drillhole advanced near pit seep ST-WT-GW-1 in November 2021, January 2022 pit inflow rates (simulated with January 2022 pit extents) and baseline Westbay water levels. Model performance was also checked using open water season water levels at Whale Tail Pit south wall VWPs. The model provided acceptable results for all validation metrics.

The model predicts that open pit dewatering rates will stabilize around 3,750 m³/d in 2024 while underground inflow rates are predicted to climb from 10 m³/d in 2022 to 290 m³/d in 2025. Flow reporting to the Whale Tail Pit is mostly derived the Whale Tail South Basin with the Whale Tail Attenuation Pond providing the balance of the flow. This is a reversal from the 2019 groundwater model which found the majority of flow to Whale Tail Pit originated from the Whale Tail Attenuation Pond. The differences in flow predictions between the 2019 and 2022 models can be attributed to a number of factors including the updated hydraulic conductivity distribution, refinements in model mesh and mine plan implementation, closed talik position in Whale Tail Pit, and differences in implementation of lake boundary conditions.

7. Closure

This memorandum has been prepared Lorax Environmental Services Ltd. (Lorax) for the exclusive use of Agnico Eagle. If any clarification or additional information is required, please contact the undersigned.

Yours very truly,

Lorax Environmental Services Ltd.

per:



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PERMIT TO PRACTICE LORAX ENVIRONMENTAL SERVICES LTD.
Signature 
Date <u>Feb 22, 2023</u>
PERMIT NUMBER: P 1487
NT/NU Association of Professional Engineers and Geoscientists

References

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