

2024 ANNUAL REPORT

MV2023L2-0006

CANTUNG MINE, NT

PREPARED PARSONS INC.

DATED: MARCH 28, 2025

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1.0 INTRODUCTION

This Annual Water Licence Report has been prepared by Parsons Inc. (Parsons) on behalf of North American Tungsten Corporation Ltd. (NATC or Licencee) for the Mackenzie Valley Land and Water Board (MVLWB or the Board) as required by Part B, item 12 and in accordance with Schedule 1, item 1 of Water Licence MV2023L2-0006 (the Licence). This Licence was issued in October 2024 to reflect changes to *Annex A: Surveillance Network Program Update*. A table of concordance showing the requirements in Part B, item 12 and how they are addressed in this report is attached as Table 1.

The Cantung Mine (Mine) continued to be in Care and Maintenance (C&M) in 2024 under intermittent site presence. From January through April 2024, monthly site visits were conducted by a small crew via helicopter to conduct required inspections of the Tailings Containment Areas (TCAs) and the monthly Surveillance Network Program (SNP) monitoring and sampling. Full time site presence occurred from May through October by a small crew carrying out maintenance, inspections and compliance-related activities. Following the cessation of monthly monitoring requirements in accordance with the revised Licence, there was no site presence in November and December 2024.

No mining or milling occurred in 2024, no tailings were deposited or waste rock generated. None of the former mine facilities or buildings were in service, except for the machine shop. Care and maintenance activities were operated from a small, temporary camp established onsite in May 2024.

2.0 PROJECT PLAN

Following NATC's 2015 filing for creditor protection under the *Companies' Creditors Arrangement Act* (CCAA) and Alvarez & Marsal Canada Inc. (A&M or the Monitor) was appointed as Monitor by the Supreme Court of British Columbia (the Court) by order of the Court on June 9, 2015 (the Initial Order). The Monitor continues to manage the affairs of NATC pursuant to the Initial Order and subsequent orders granted by the Court. Funding of NATC's care and maintenance activities since November 2015 have been provided by Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC).

Following its decision in April 2022, NATC, with input from CIRNAC, is continuing C&M in the near term while commencing planning to transition the Mine to permanent closure. In December 2023, Parsons took over C&M activities onsite on behalf of the Monitor.

Planned activities for 2025 include continued C&M of the Mine site such as contouring and dust suppression activities on TCA 3, 4 and 5, continued risk reduction programs such as hazardous materials abatement, and ongoing permanent closure planning and related engagements.

3.0 CONSTRUCTION

No construction activities involving any structures intended to contain, withhold, divert, or retain Water or Wastes and built in accordance with Part E of the Licence occurred in 2024. This includes all structures that meet the definition of a dam under the Dam Safety Guidelines and are constructed and maintained following the recommendations of the Professional Engineer responsible for the design.

4.0 MODIFICATIONS

No Modifications pursuant to Part F of the Licence were carried out in 2024. Care and maintenance activities were ongoing throughout 2024 and are reported here, pursuant to prior Board Direction.

During 2024, maintenance activities took place at TCAs 3, 4 and 5. This work was completed to maintain an inward facing slope to direct any surface water back into the TCA. Surface grading was completed to remove high areas to reduce wind-generated dust. Snow fencing installed in 2023 was maintained to further reduce winds erosion. After grading activities, Soiltac was applied to the surface of the uncovered TCAs to mitigate windblown tails.

Stabilization the right bank of the Flat River near the toe of TCAs 1 and 2 was completed to provide short term protection of the TCAs from erosion, in accordance with recommendations issued in the 2023 Annual Geotechnical Inspection report. The stabilization work involved the repair of existing rip rap and selective placement of additional rip rap at three locations immediately below (to the east) of TCAs 1 and 2. The work was conducted over a period of two (2) weeks in August 2024 in accordance with Department of Fisheries and Oceans Canada requirements, per the Letter of Advice issued on July 3, 2024 (DFO File # 24-HCAA-01497).

Transformers containing PCB-laden oil were decommissioned by KBL Environmental Services. Large transformers that could not be physically removed were drained, cleaned and decommissioned to remove all PCB-laden oil. Smaller transformers were removed from site along with the drained and containerized PCB-laden oil for disposal in accordance with applicable regulations. The larger transformers that remain onsite were affixed with labels confirming that PCB decommissioning was completed.

An inventory was conducted within accessible structures on the mine site to identify containers of oils, chemicals and miscellaneous wastes remaining from previous site operations. The identified containers were removed and consolidated. Oils and fluids were also drained from legacy/scrap equipment that was no longer in use to eliminate those sources of spills and drips. All of these wastes were containerized and removed from site for disposal in accordance with applicable regulations by KBL Environmental Services.

There was no underground access by any personnel in 2024. The openings to the main portal and conveyor gallery were opened in September to complete a remote drone survey. Upon completion of that work, the openings were closed and secured in such a manner that future access may occur, as needed.

Signage around site was maintained to advise of hazards and restrict access.

A modular camp was commissioned in May to provide accommodations to the C&M crew.

A new weather station, along with remote cameras at three locations were installed in July. The cameras were monitored in November and December when there was no site presence.

Additional maintenance activities include the cleaning of the sewage treatment plant by vacuum truck and removal of this facility from use.

5.0 MANAGEMENT PLANS AND ACTIVITIES

Activities undertaken pursuant to management plans are outlined below. The status of the various management plan approved under this licence is included in Appendix A.

5.1 ENGAGEMENT PLAN

A number of engagements occurred in 2024 pursuant to the Engagement Plan:

- Routine virtual meetings of the Communities Working Group (CWG) discussing site activities, care and maintenance program, transition to intermittent site presence, permanent closure planning aspects and regulatory matters including updates to management plans (March, May, August, December);
- One hybrid virtual and in-person workshop with CWG members to advance permanent closure planning, focused on closure options analysis (Workshop # 3, May);
- Several email notifications to CWG members regarding project aspects, submission of regulatory documents and issuance of requested information and materials following engagements;

- Several in person and virtual 1:1 meetings with Indigenous Groups to provide a project update and discuss permanent closure planning aspects (January, July; NDDB, LKFN, respectively);
- Site visits, as requested by CWG members (NDDB in September, LKFN in October);
- Resource Development Advisory Group (RDAG) meeting held with government department and co-management board representatives in October; and,
- Monthly issuance of the Surveillance Network Program (SNP) report from January through October, in accordance with the new Licence in October 2024.

Further, presentations were made to delegates at the Co-Management Workshop in Fort Simpson in March, and at the Geoscience Forum in Yellowknife in November.

Engagement activities planned for 2025 include:

- Continued routine virtual meetings of the CWG;
- Continued email notifications as needed;
- In person and virtual 1:1 meetings with Indigenous Groups as requested;
- Continued issuance of the SNP report to interested parties;
- Continued engagement on regulatory aspects, as needed;
- Continued engagement with Indigenous Groups and regulators on permanent closure aspects including closure options, closure criteria and a draft Closure and Reclamation Plan;
- Site tours with interested parties; and,
- Planning and commencement of public engagement on permanent closure planning aspects.

5.2 WASTE MANAGEMENT PLAN

A summary of activities conducted in accordance with the approved Waste Management Plan referred to in Part G, item 2 of this Licence, undertaken during 2024 is provided below, including a summary of updates or changes to the processes or facilities required for the management of waste.

A new incinerator was commissioned, and the Waste Management Plan was updated to reflect this. A map identifying the location of the new incinerator was shared with the Inspector and MVLWB, and will be included in an updated version of the Plan, to be submitted with this report.

5.2.1 Soil Treated

No Soil was treated on site in 2024.

5.2.2 Solid Waste

Minimal quantities of solid waste were disposed of in the Landfill in 2024. Most of the waste generated onsite was generated from camp operations and incinerated. A summary of the estimated quantities of waste disposed of in the Landfill is presented in Table 2, in accordance with Schedule 1 Part B Condition 1.e.ii of the Licence.

Table 2. Estimates of solid Waste disposed in the Landfill 2024.

Month	Amount (kg)
Jan	0
Feb	0
Mar	0
Apr	0
May	5
Jun	5
Jul	5
Aug	5
Sept	5
Oct	5
Nov	0
Dec	0

5.2.3 Hazardous Waste

As discussed in Section 4.1 above, one waste backhaul campaign was conducted in 2024, removing the remainder of accumulated and stored hazardous materials and PCB oils from the site. A summary of the waste removed from site is provided in Appendix B, to comply with Schedule 1Part B Condition 1.e.iii of the Licence.

5.3 WATER MANAGEMENT AND MINE-SITE EROSION AND SEDIMENT PROTECTION PLAN

The following is a list of activities conducted in 2024 in accordance with the approved Water Management and Mine-site Erosion and Sediment Protection Plan referred to in Part G, item 3 of the Licence. A summary of updates or changes to the process or facilities required for the management of Water or liquid Waste is also provided.

5.3.1 Water Pumped from the Flat River

The Flat River continued to be the source of fresh water in 2024 for camp use and dust control only. A summary of monthly and annual quantities in cubic metres of water pumped from the Flat River is provided in Table 3 to satisfy Schedule 1 Part B Condition 1.f.i of the Licence. Since the Water Supply Facility (previously referred to as the Pump House) is no longer in operation, water was pumped directly from the Flat River using a small pump to supply non-potable water for the camp. The quantity of water withdrawn from the River was tracked volumetrically.

The weekly quantity of water withdrawn from the Flat River was below the threshold of 300 m³ outlined in Part D of the Licence.

Table 3. Quantities of Water

Month	Amount (m ³)
Jan	0
Feb	0
Mar	0
Apr	0
May	55
Jun	44
Jul	109
Aug	274
Sept	84
Oct	46
Nov	0
Dec	0
Total	612

5.3.2 Flat River Flow Volume

Flat River flow volume is monitored using Solinst pressure transducers, as discussed further in Section 5.9.1. In accordance with Schedule 1 Part B Condition 1.f.vi of the Licence, weekly flow volume in cubic metres is shown in Table 3, to the end of October 2024 (when full time site presence ended). The pressure transducer remained in place and collecting data to the end of 2024 and it will be reported as an addendum later in the year. Additional comments on flow calculations from the collected data are provided in Section 5.6.1 below.

Table 4. Weekly and annual flow data for SNP 4-5 in 2024.

2024 Flow Data SNP 4-5, Lower Bridge (m ³)												
Week \ Month	November (2023)	December (2023)	January	February	March	April	May	June	July	August	September	October
1	652,697	573,321	546,022	496,236	473,853	374,930	604,617	1,178,641	1,649,088	1,362,206	1,169,580	791,666
2	617,892	534,300	624,165	461,496	405,566	373,717	568,366	1,598,933	1,561,260	1,180,642	1,010,809	734,941
3	603,106	538,140	519,734	427,383	401,782	388,278	733,705	1,568,696	1,405,766	1,242,458	932,979	688,142
4	589,341	521,391	498,752	539,294	384,518	401,741	983,147	1,638,946	1,362,864	1,139,111	957,298	666,992
5			460,929			488,844			1,521,448		850,241	
Totals	2,463,037	2,167,152	2,649,603	1,924,409	1,665,718	2,027,510	2,889,835	5,985,217	7,500,427	4,924,417	4,920,908	2,881,741

5.3.3 Treated Sewage Effluent

Wastewater generated in the camp was stored in an aboveground sewage tank and transported to TCA 4 for disposal. Table 5 provides the monthly and annual quantities in cubic metres of sewage effluent discharged to the TCA to satisfy Schedule 1 Part B Condition 1.f.vii of the Licence. The volume of sewage was tracked volumetrically.

Table 5. Treated Sewage discharged to the TCA in 2024.

Month	Amount (m³)
Jan	0
Feb	0
Mar	0
Apr	0
May	36
Jun	53
Jul	46
Aug	51
Sept	140
Oct	58
Nov	0
Dec	0
Total	384

5.3.4 Precipitation

Estimates and measurements of precipitation for the mine site are shown in Appendix G to meet Schedule 1 Part B Condition 1.f.ix of the Licence. Runoff is further discussed in Section 5.9.6. Data recorded from the old weather station could not be downloaded and therefore, precipitation data is not available from January through July. Following installation in July, the new weather station experienced some technical issues that were resolved in late July. Data collected from August through December is provided below. Note that data as snow was not recorded in November and December.

5.3.5 Erosion And Sediment Mitigation

Erosion-susceptible areas on site identified in the current approved version of this management plan include:

- Water erosion and sediment release during bridge, ditch and culvert maintenance;
- Wind erosion of uncovered tailings, granular surface and slopes;
- Runoff causing erosion on the exposed side slopes in the borrow pit area and landfill;
- Site-wide snowmelt and associated overland runoff mobilizing sediments in ditches, collecting in the Polishing Pond;
- Runoff collecting in the interceptor ditch upslope of TCA 4 causing erosion at the outlet of the 2 culverts and associated downstream ditching;
- Snow melt and heavy rainfall possibly causing erosion on the over-steepened section of the TCA 5 interceptor ditch; or,
- Rainfall and wind possibly causing erosion of excavated materials exposed during earth moving.

Mitigation measures undertaken in 2024 included:

- Daily monitoring of runoff and surface flow through site when on site, particularly during freshet and high rainfall events;
- Regrading of high areas on TCA 3 and 4 was completed. Application of a tackifier, Soiltec, to address wind erosion in the TCAs. Soiltec was applied to all exposed tailings surfaces in 2024;
- Inspection of prior erosion control work in the borrow area and landfill;
- Inspection, maintenance or replacement of existing erosion protection and sediment management infrastructure such as sediment settling features and silt fences in ditches and adjacent to roadways; and,
- Hard armoring two areas of the western banks of the Flat River via installation of rip rap, as discussed above.

5.3.6 Action Level Exceedances

There were no Action Levels exceedances identified this year.

5.3.7 Water Balance

No changes were made to the Water Balance in 2024.

5.4 FLAT RIVER EROSION AND SEDIMENT PROTECTION PLAN

No activities were undertaken further to the approved Flat River Erosion and Sediment Protection Plan referred to in Part G, item 4 of the Licence, during 2024.

5.5 GROUNDWATER PUMPING CONTINGENCY PLAN

There were no exceedances of the Effluent Quality Criteria (EQC) in accordance with Part G Condition 40 of the Licence.

5.6 FLAT RIVER HYDROLOGY PLAN

Following is a summary of activities conducted in accordance with Sections 1.3 and 5 of the approved *Flat River Hydrology Plan* (Part G of the Licence), undertaken in 2024.

5.6.1 Flow Data for SNP Station 4-45

Multiple attempts were made to download the data from the logger installed at station S4-45, but technical issues were encountered. Troubleshooting was conducted at various times throughout the season, but unfortunately the data could not be downloaded. Additional troubleshooting and/or equipment replacement will be conducted during the 2025 operating

season. Data from SNP station 4-5 (a similar flow monitoring station established downstream of the Middle Bridge station in the Flat River) has been used as an alternate to monitor Flat River flows in the interim.

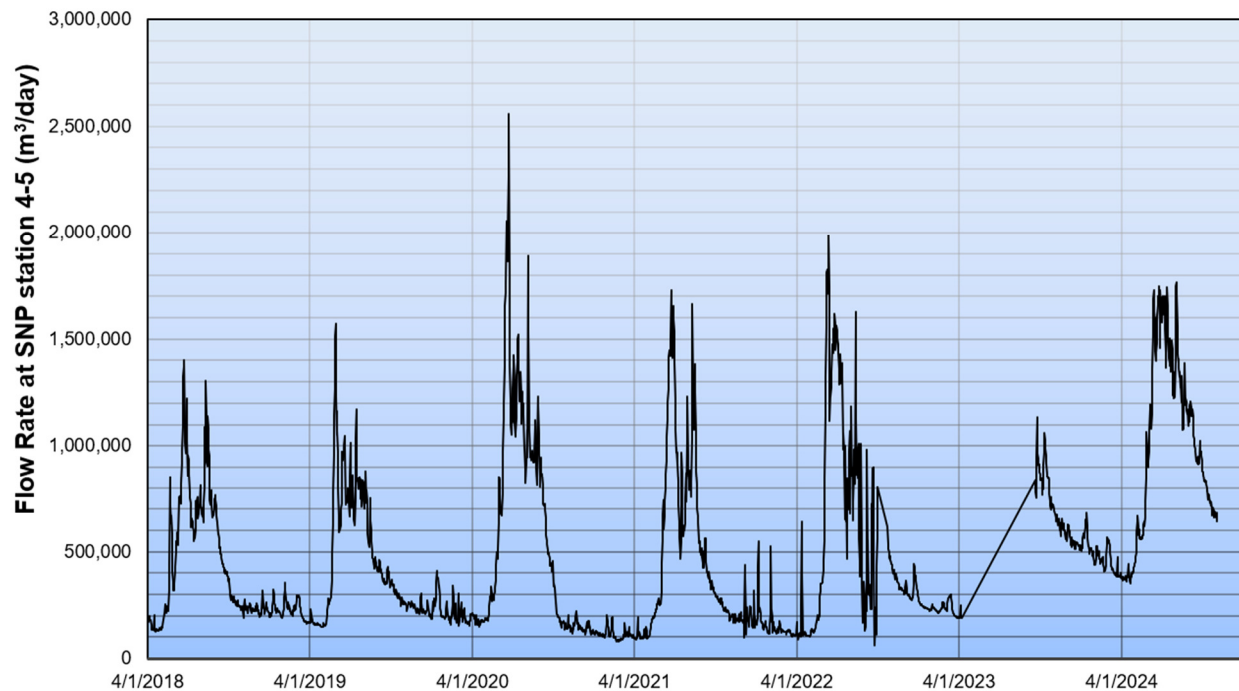
As per Part B Condition 1.i.iv.i of the Licence, daily flow data for the SNP station 4-5 to the end of October 2024 is summarized in Table 6 below.

Table 6. Daily flow data for SNP 4-5 in 2024.

2024 Flow Data SNP 4-5, Lower Bridge (m ³)												
Day \ Month	November (2023)	December (2023)	January	February	March	April	May	June	July	August	September	October
1	693,844	601,802	501,490	448,968	544,549	379,948	450,706	972,045	1,577,403	1,745,514	1,190,694	876,929
2	676,834	626,837	512,603	436,667	540,852	378,815	474,628	1,070,102	1,701,945	1,764,905	1,201,399	866,027
3	680,338	623,375	518,276	466,928	554,578	382,381	496,217	1,172,912	1,632,445	1,711,071	1,210,538	836,296
4	658,689	602,657	564,192	526,591	546,822	365,633	534,622	1,192,843	1,615,060	1,556,582	1,182,849	830,281
5	639,205	597,220	579,313	527,391	531,234	376,739	588,867	1,149,805	1,620,213	1,431,648	1,140,955	836,999
6	671,853	580,961	584,827	514,995	493,574	372,709	639,830	1,149,168	1,693,374	1,388,641	1,139,155	824,660
7	675,589	573,586	561,456	480,820	467,169	368,284	667,965	1,077,574	1,703,178	1,407,316	1,173,551	830,725
8	660,141	559,802	569,796	487,910	434,738	373,052	620,491	1,148,573	1,551,065	1,363,231	1,138,617	815,800
9	621,726	531,380	579,617	495,739	426,913	386,049	578,643	1,359,609	1,438,479	1,324,627	1,102,783	800,172
10	633,375	567,641	615,535	501,642	416,519	370,101	603,298	1,519,380	1,365,576	1,347,137	1,048,594	786,400
11	653,181	521,490	649,632	465,154	417,330	359,259	563,319	1,685,893	1,686,557	1,272,840	1,032,724	791,577
12	653,011	533,257	648,571	465,469	419,184	370,660	558,774	1,728,004	1,741,293	1,293,761	1,001,702	744,445
13	600,346	553,632	684,577	441,898	413,391	377,957	568,363	1,629,035	1,657,581	1,204,519	988,644	772,543
14	621,556	547,832	621,426	450,286	400,096	378,943	568,559	1,583,319	1,488,272	1,328,138	972,781	765,831
15	571,465	532,638	563,211	460,647	403,431	385,967	565,487	1,601,994	1,431,882	1,161,193	928,437	758,360
16	638,427	540,436	526,198	465,853	391,678	442,449	560,450	1,444,906	1,411,764	1,076,291	946,108	730,210
17	631,575	510,816	530,720	469,515	393,850	419,495	562,716	1,397,299	1,389,256	1,079,966	941,781	739,684
18	606,468	549,037	506,461	476,805	401,668	382,172	574,852	1,440,238	1,505,315	1,120,627	917,985	716,336
19	655,409	511,440	490,943	456,789	388,410	365,537	578,134	1,479,828	1,375,150	1,145,926	941,429	731,448
20	615,088	543,549	504,777	436,539	381,425	350,518	629,807	1,606,837	1,380,825	1,372,854	950,150	702,718
21	628,377	541,766	515,830	425,971	395,083	371,806	641,622	1,661,487	1,346,173	1,388,986	915,587	671,433
22	633,177	546,029	510,663	404,763	477,012	393,887	616,817	1,700,553	1,492,619	1,190,879	917,814	693,860
23	598,555	541,553	518,846	421,763	386,261	384,586	661,859	1,694,634	1,488,910	1,221,708	918,720	705,014
24	601,923	533,603	509,314	412,850	382,614	396,194	739,503	1,746,063	1,451,312	1,209,362	1,021,908	705,179
25	584,949	526,455	495,283	433,007	385,640	405,504	841,996	1,577,722	1,234,889	1,167,490	979,839	694,086
26	559,674	532,797	479,177	478,956	386,026	397,871	1,004,333	1,455,560	1,303,891	1,148,761	973,982	660,509
27	580,001	531,833	501,780	532,463	385,632	407,288	1,063,808	1,729,250	1,222,405	1,171,418	956,131	686,909
28	590,215	509,861	476,200	566,086	381,681	426,855	1,001,663	1,656,087	1,346,026	1,095,209	933,565	680,270
29	552,193	513,519	451,657	557,571	401,881	435,356	950,586	1,695,311	1,251,621	1,130,982	916,939	661,188
30	550,967	506,668	458,053		377,281	441,512	897,386	1,612,631	1,226,680	1,126,214	880,492	665,180
31		528,605	437,643		373,484		926,440		1,393,760	1,110,497		681,106

Flow data for Station S4-5 over time is provided in Figure 1 below. As noted, some of the flow volumes calculated in 2024 were significantly higher (in some cases double) than historical levels. This could be reflective of inconsistency in the survey data or a technical issue with the logger data. Troubleshooting will be conducted during the 2025 field season any corrections to the data reported herein will be addressed as an Addendum, if applicable.

Figure 1. Historic Flow Data at SNP S4-5



5.6.2 Stage-Discharge Ratings Curve

Surveying was conducted on the new equipment and related incomplete surveying of loggers in 2024. However, high water levels prevented wading and therefore the stations were not gauged and accordingly, rating curves for the SNP stations S4-45 and 4-5 were not updated in 2024.

5.7 GEOTECHNICAL INSPECTION REPORT

As per Part G Condition 25 of the Licence the 2024 annual geotechnical inspection of the TCAs at the Cantung Mine site was completed by Tetra Tech Canada Inc. on July 15 and 16, 2023. The completed Annual Geotechnical Inspection Report was submitted to the MVLWB on October 11, 2024, as per Part G Item 25(b) of the Water Licence and is available on their Public Registry. This 2024 annual inspection included a physical inspection of the earthworks that store mill tailings at the site, such as a visual examination of the facilities for evidence of settlement or slope stability related issues, downstream toes for evidence of seepage, the general stability of the surface runoff diversion works and a review of the instrumentation data.

In response to these recommendations made, NATC has taken the following actions:

- Continued regular maintenance of TCA 2 surface runoff interceptor ditch and other ditching located upstream of the facility;
- Repositioned boulders in upper portion of interceptor ditch to improve flow at TCA 4;

- An application of SoilTac was made on TCAs 3, 4 and 5 in July & August 2024 to address concerns over observations of windblown tailings;
- Continued monitoring of all TCAs as per Tailings Storage Facilities Operations, Maintenance and Surveillance Manual (TSF OMS Manual) requirements;
- Continued maintenance of all interceptor ditches and infrastructure downstream of ditches;
- Review rip rap performance along the Flat River near the toes of TCA1 and TCA2;
- Continue to monitor the rockfill placed along the outer crests for deterioration and/or erosion; and,
- Continued periodic downloading of vibrating wire piezometer dataloggers and related data review.

5.8 SPILL CONTINGENCY PLAN

A summary of activities conducted in accordance with the approved Spill Contingency Plan, required in Part I, item 1 of this Licence, undertaken 2024 is discussed below.

5.8.1 Unauthorized Discharges

In 2024, there was one unauthorized discharge during an equipment breakdown on August 5, 2024. The discharge resulted in an estimated volume of <10 L of diesel fuel released to the ground. A spill kit was on hand at the vehicle and the spilled fuel was immediately recovered with absorbent material. After the fuel was recovered, there was no evidence of staining on the ground. The equipment was immediately removed from service and the source of the leak repaired. Given the small quantity of the spill, it was not reportable.

5.8.2 Spill Training and Communications Exercises

As required by the Environmental Emergency Regulations, the Parsons field crew was trained in the requirements of the site Spill Contingency Plan. The Plan was reviewed regularly during morning safety meetings and performed a desktop simulation of a fuel spill during equipment refueling was conducted in July 2024.

5.8.3 Fuel Storage

During 2024 field personnel continued to remove accumulated precipitation from fuel storage secondary containments from June to October on a regular basis to maintain adequate containment volume.

To evaluate the ongoing performance of fuel containment measures, field personnel also carried out monthly fuel tank inspections on the tanks listed in Table 7 below. Containment measures continue to be adequate in preventing impacts to waters.

A drum fuel cache containing 19 drums of jet fuel was established in December 2023 and maintained throughout 2024. The cache is located in the WWTF building, which provides covered secondary containment. Notification was provided to the Inspector pursuant to the Mackenzie Valley Land Use Regulations.

Table 7. Active Fuel Tanks in 2024.

2024 Active Fuel Tanks			
ID	ED ⁽¹⁾ ID Number	Location	Product
Tank 4	EC-00016153	Single Wall Tank (Warehouse)	Gasoline
Tank 5	EC-00019830	Main Generator Day Tank	Diesel fuel
Tank 6	EC-00026319	Incinerator Fuel Tank	Diesel fuel
Tank 7	EC-00026321	Incinerator Waste Oil Tank	Diesel fuel
Tank 8	N/A	Environ Tank - Portal	Diesel fuel
Tank 10	N/A	Fire Station Heater	Diesel fuel
Tank 12	N/A	Shop Generator	Diesel fuel
Camp Day Tank	N/A	Modular Camp	Diesel fuel

(1) EC stands for Environment Canada

6.0 OTHER REPORTING REQUIREMENTS

6.1 PROGRESS REPORT AND FUTURE STUDIES

No studies or plans were requested by the MVLWB in 2024.

6.2 DETAILS ON WATER USE OR WASTE DISPOSAL

No other details on water use or waste disposal were requested by the MVLWB in 2024.

6.3 CALIBRATION AND STATUS OF THE METERS AND DEVICES

Part B, item 10 of the Licence refers to meters, devices, or other such methods used for measuring the volumes of Water used and Waste Discharged.

Because the Mine is still in C&M with no mining or milling operations taking place, there is no Waste Discharged and hence no meters, devices, or other such methods were used for measuring the volumes of related Waste Discharged during 2024. Quantities of water withdrawn from the Flat River and wastewater disposed at TCA 4 were volumetric calculations based on the tank capacities used.

6.4 SNP DATA AND INFORMATION

All sampling was carried out by Parsons' personnel, including staff and contractors, while Bureau Veritas conducted analytical testing and reporting.

6.4.1 Tabular Summaries

Tabular summaries of all analytical results produced during 2024 for the active SNP stations detailed in Part B of Annex A of the Licence are attached in Appendices C and D for Surface Water and Groundwater sampling locations, respectively. Where available, field measurements are also reported.

6.4.2 Graphical Summaries

Graphical summaries of parameters with EQC referred to in Part G, at the points of compliance can be found in Appendix D.

6.5 OTHER INFORMATION GENERATED

Other Monitoring Requirements under Part C item 1 of Annex A applicable during C&M are discussed below.

6.5.1 Observations from the daily inspection of the TCAs required by Part G, item 24 of this Licence

While on site, Parsons' personnel carried out daily inspections of the dams during 2024 to satisfy Part G Condition 24 of the Licence and the TSF OMS Manual. Completed inspection sheets can be found in Appendix E.

6.5.2 Data from the piezometers and inclinometers, and other approved instrumentation installed in the TCA Containment Area and the Dry Stack Tailings Storage Facilities.

Geotechnical instrumentation installed at the Cantung mine site involves inclinometers (also referred to as slope indicators, SI) and vibrating wire piezometers, VWP. Plots of available 2024 annual SI and VWP data are attached in Appendix F.

6.5.3 Meteorological Monitoring Requirements

Meteorological data can be found in Appendix G. The weather station configuration appears to have some data collection issues that will require adjustment. In 2024, the following data was not reported as required:

- Minimum windspeed. The station is currently only reporting Average and Maximum windspeed; and,
- Evaporation.

Maintenance is scheduled on the weather station in June 2025 that will attempt to correct the issues noted above.

6.6 DISCUSSION OF PROBLEMS WITH DATA COLLECTION, ANALYSIS, OR RESULTS

A summary of additional specific problems with data collection, analysis or results is outlined below:

- The data logger installed station S4-45 experienced a technical issue that prevented downloading the data. Replacement equipment has been ordered, and the data will be reported when it can be recovered;
- Stream gauging could not be completed in 2024. Consistent and recurring rainfall events occurred on the site in late July through to late September, resulting in high water levels and flow in the Flat River. Flow in the river was sufficiently high through most of the field season that wading could not be conducted safely. Attempts to complete stream gauging will resume in 2025;
- No data could be recovered from the former weather station onsite in 2024. A new weather station was installed in early July 2024, but it experienced some technical issues initially that were corrected later in the month. Consequently, meteorological data was only available from late July onwards; and,
- Some of the SNP stations were frozen over the winter months and therefore could not be sampled until Freshet. Stations that could not be sampled during one or more of the monthly events, and the rationale, were noted in the field observations each month.

7.0 SUBMISSION MADE TO THE BOARD IN 2024

The following were submitted to the MVLWB throughout 2024:

- 2023 Annual Water Licence Report;
- Response to Board Directive on 2023 Annual Water Licence Report;
- 2024 Annual Geotechnical Inspection Report and cover letter;
- Request to Update SNP;
- Updates to the following Plans:
 - Spill Contingency Plan Version 9.1;
 - Waste Management Plan Version 8.1;
 - Care and Maintenance Plan Version 8.1;
 - Engagement Plan Version 3.1;
 - Operation, Maintenance and Surveillance Manual, Tailings Storage Facility, Version 7.1;
 - Flat River Hydrology Plan Version 2.1;
 - Groundwater Pumping Contingency Plan Version 3.2
 - Tailings Containment Area Emergency Preparedness Plan Version 7.2;
 - Water Management and Mine-Site Erosion and Sediment Protection Plan Version 6.
- Request to Update Annex A SNP; and,
- Monthly SNP reports corresponding to December 2023 to October 2024 inclusive.

8.0 CONCERNS, NON- CONFORMANCES, OR DEFICIENCIES.

The Inspector visited Cantung Mine site on June 18 and September 11, 2024. All conditions were deemed "acceptable" and no non-conformances were noted during either inspection. However, the following areas of concern were noted and addressed as follows.

Where required a report was provided to the Inspector:

- Visible dust observed from TCAs 3, 4 and 5 during a wind event;
 - SoilTac application on TCAs 3, 4 and 5 for dust suppression.
- On the east side of the wastewater treatment plant, bags of silica were stored, but deteriorated over time, resulting in ripped bags and leaking contents;
 - Bags of silica sand removed and stored in secure containers to avoid spills/leakage.

- Open container containing hydrocarbons or hydrocarbon-impacted water near the main portal;
 - Materials removed from site.
- A large amount of legacy machinery on site from past mine operations. While drip trays are present under some equipment, leaking and dripping oil, hydrologic fluid, and grease are present at joints;
 - Oil and fluids were pumped from identified legacy/scrap equipment to containers and removed from site.
- Minor erosion observed on the slope at the landfill;
 - Grading completed to repair erosion damage.

9.0 CLOSURE

We trust that the enclosed is satisfactory for your present requirements. If you have any questions, please do not hesitate to contact the undersigned.

Yours very truly,

PARSONS INC.

A handwritten signature in blue ink, appearing to read 'MTaylor', with a stylized flourish at the end.

Michael Taylor, P.Ag.

TABLE 1				
TABLE OF CONCORDANCE WITH WATER LICENSE REQUIREMENTS				
Section	Section #	Item	Report Section	Comment
1B	1	Management Plans and Activities		
1B	1 a	A summary of engagement activities conducted in accordance with the approved Engagement Plan , referred to in Part B, item 14 of this Licence, undertaken during the previous calendar year, including a brief description of activities planned for the forthcoming year;	5.1	
1B	1 b	An updated Project plan;	2.0	
1B	1 c	opps	3.0	No construction activities took place in the reporting year
1B	1 d	A summary of Modification activities conducted in accordance with Part F of this Licence, undertaken during the previous calendar year;	4.0	No Modifications were conducted in the reporting year
1B	1 e	A summary of activities conducted in accordance with the approved Waste Management Plan referred to in Part G, item 2 of this Licence, undertaken during the previous calendar year, including a summary of updates or changes to the processes or facilities required for the management of Waste, including the following:	5.2	
1B	1 e i	Monthly and annual quantities in cubic meters of soil treated in the Landfarm;	N/A	This facility has not been constructed
1B	1 e ii	Monthly and annual quantities of solid Waste disposed of in the Solid Waste Disposal Facility;	N/A	This facility has not been constructed
1B	1 e iii	Monthly and annual quantities of hazardous Waste generated and removed from the Project site; and	5.2.3	(haz waste backhauled and waste disposed of in the landfill)
1B	1 e iv	A summary of weekly Waste Rock composites, geochemical analysis, including acid base accounting analysis, sampling dates, and geologic rock types.	N/A	Mining and milling has ceased
1B	1 f	A summary of activities conducted in accordance with the approved Water Management and Mine-site Erosion and Sediment Protection Plan referred to in Part G, item 3 of this Licence, undertaken during the previous calendar year, including a summary of updates or changes to the process or facilities required for the management of Water or liquid Waste, including the following:	5.3	
1B	1 f i	Monthly and annual quantities in cubic metres of Water pumped from the Flat River;	5.3.1	
1B	1 f ii	Monthly and annual quantities in cubic metres of liquid Waste pumped from each Dry Stack Tailings Storage Facility and directed to the Wastewater Treatment Facilities or the Tailings Containment Area, identified by facility;	N/A	This facility has not been constructed
1B	1 f iii	Monthly and annual quantities in cubic metres of the solid and liquid fractions discharged to the Tailings Containment Area;	N/A	Mining and milling has ceased
1B	1 f iv	Weekly and annual quantities in cubic metres of liquid Waste discharged from the Wastewater Treatment Facilities to Stinky Pond;	N/A	This facility has been withdrawn from service
1B	1 f v	Monthly and annual quantities in cubic metres of liquid Waste discharged from Stinky Pond to the Flat River;	N/A	The corresponding facility (WWTF) has been withdrawn from service
1B	1 f vi	Weekly and annual Flat River flow volume in cubic metres;	5.3.2	
1B	1 f vii	Monthly and annual quantities in cubic metres of treated Sewage discharged to the Tailings Containment Area;	5.3.3	
1B	1 f viii	Monthly and annual quantities in cubic metres of recycled Minewater;	N/A	Mining and milling has ceased
1B	1 f ix	Monthly and annual estimates and measurements of precipitation and runoff;	5.3.4	Precipitation is reported as part of the SNP program. Runoff measurement is no longer required under this Plan
1B	1 f x	Monthly and annual quantities of Water in cubic metres used for dust control;	5.3.1	Quantity is included in the total volume reported in Section 5.3.1
1B	1 f xi	A description of any erosion susceptible areas encountered and a summary of activities to prevent or mitigate erosion;	5.3.5	
1B	1 f xii	A report of the performance of erosion mitigations applied to each area;	5.3.5	
1B	1 f xiii	A summary and interpretation of monitoring results, including any Action Level exceedances;	5.3.6	
1B	1 f xiv	A description of actions taken in response to any Action Level exceedances; and	N/A	No Action Level Exceedances
1B	1 f xv	An updated Water balance if required as per the approved Plan;	5.3.7	
1B	1 g	A summary of activities conducted in accordance with the approved Flat River Erosion and Sediment Protection Plan referred to in Part G, item 4 of this Licence, undertaken during the previous calendar year, including the following:	5.4	
1B	1 g i	A description of any erosion susceptible areas encountered and a summary of activities to prevent or mitigate erosion; and	5.4	
1B	1 g ii	A report of the performance of erosion mitigations applied to each area;	5.4	
1B	1 h	A summary of activities conducted in accordance with the approved Tailings Processing and Storage Facilities Management and Monitoring Plan referred to in Part G, item 14 of this Licence, undertaken during the previous calendar year, including any Action Level exceedances and a description of actions taken in response to any Action Level exceedances:	N/A	This facility has not been constructed
1B	1 h i	Monthly, annual, and total quantities in cubic metres of solid Waste discharged to each of the Dry Stack Tailings Storage Facilities;	N/A	This facility has not been constructed
1B	1 h ii	The total size of each of the Dry Stack Tailings Storage Facilities, including the area of the covered portion(s), the area of the open portion(s), and the minimum and maximum heights;	N/A	This facility has not been constructed
1B	1 h iii	A summary of the moisture and density data gathered for each of the Dry Stack Tailings Storage Facilities; and	N/A	This facility has not been constructed
1B	1 h iv	A summary and interpretation of monitoring results, including any Action Level exceedances; and	N/A	This facility has not been constructed
1B	1 h v	A description of actions taken in response to Action Level exceedances;	N/A	This facility has not been constructed
1B	1 i	A summary of activities conducted in accordance with the following approved plans, undertaken during the previous calendar year, including any Action Level exceedances and a description of actions taken in response to any Action Level exceedances for the following plans in Part G of this Licence:	Various	
1B	1 i i	Groundwater Pumping Contingency Plan;	5.5	
1B	1 i ii	Tailings Containment Area and Dry Stack Tailings Storage Facilities Emergency Preparedness Plan;	N/A	This facility has not been constructed
1B	1 i iii	Wastewater Treatment Facilities Operations, Maintenance and Surveillance Manual; and	N/A	This facility has not returned to service
1B	1 i iv	Flat River Hydrology Plan, including:	5.6	
1B	1 i iv i	Daily, weekly, and annual flow data for the Middle Bridge station;	5.6.1	
1B	1 i iv ii	The transition dates for high and low flow season Discharge from the Wastewater Treatment Facility;	N/A	The corresponding facility (WWTF) has been withdrawn from service
1B	1 i iv iii	The number of days that the Wastewater Treatment Facility discharged at a rate greater than 4,500 m ³ /day;	N/A	The corresponding facility (WWTF) has been withdrawn from service
1B	1 i iv iv	Dates and documentation of the ice-on and ice-off conditions;	N/A	The corresponding facility (WWTF) has been withdrawn from service
1B	1 i iv v	Summaries of flows measured in tributary streams;	N/A	This item is no longer required under this Plan
1B	1 i iv vi	Flow rates measured at the surface runoff stations; and	N/A	This item is no longer required under this Plan
1B	1 i iv vii	An updated stage-discharge rating curve for the Surveillance Network Monitoring Stations 4-45 and 4-5;	5.6.2	
1B	1 j	A summary of actions taken in response to the various inspections conducted during the previous calendar year referred to in Part G of this Licence, including the following:	N/A	Item not required in the reporting year
1B	1 j i	Geotechnical Inspection Report for the geotechnical inspection(s);	5.7	
1B	1 j ii	Dam Safety Review Report when the Dam Safety Review was conducted; and	N/A	Item not required in the reporting year
1B	1 j iii	Dry Stack Tailings Storage Facilities Inspection and Review Report when the Dry Stack Tailings Storage Facilities Inspection and Review was conducted;	N/A	This facility has not been constructed
1B	1 k	A summary of activities conducted in accordance with the approved Spill Contingency Plan , required in Part I, item 1 of this Licence, undertaken during the previous calendar year, including the following:	5.8	
1B	1 k i	A list and description for all Unauthorized Discharges that occurred during the previous calendar year, including the date, NWT spill number, volume, location, summary of the circumstances and follow-up actions taken, and status (i.e. open or closed), in accordance with the reporting requirements in Part I, item 2 of this Licence;	5.8.1	
1B	1 k ii	An outline of any spill training and communications exercises carried out during the previous calendar year; and	5.8.2	
1B	1 k iii	A detailed discussion on the performance, installation, and evaluation, including the use of photographs, of the primary and secondary containment measures used in fuel storage to prevent impacts to all Waters;	5.8.3	
1B	1 l	A summary of activities conducted in accordance with the approved Interim Closure and Reclamation Plan referred to in Part J, item 1 of this Licence, undertaken during the previous calendar year, including the following:	N/A	Submission of this Plan has been deferred
1B	1 l i	A progress report on any reclamation research programs undertaken during the year;	N/A	Submission of this Plan has been deferred
1B	1 l ii	A progress report on the Flat River risk assessment;	N/A	Submission of this Plan has been deferred
1B	1 l iii	A summary of any Progressive Reclamation work undertaken during the year, supported by applicable environmental or analytical reports;	N/A	Submission of this Plan has been deferred
1B	1 l iv	An evaluation of the previous year's reclamation work;	N/A	Submission of this Plan has been deferred
1B	1 l v	An outline of activities planned for the forthcoming calendar year; and	N/A	Submission of this Plan has been deferred
1B	1 l vi	Any adjustments or transactions made in regards to the security deposit;	N/A	Submission of this Plan has been deferred
1B	1 m	Other Reporting Requirements		
1B	1 m	A progress report on any studies or plans, as requested by the Board during the previous calendar year and a brief description of any future studies planned by the Licensee;	5, 2.1	Board requested materials are discussed in Section 5; Future studies planned are discussed in 2.1 with plans for the plans for the upcoming reporting year
1B	1 n	Any other details on Water Use or Waste disposal requested by the Board by November 1st of the year being reported;	6.2	
1B	1 o	A summary of the calibration and status of the meters and devices referred to in Part B, item 10 of this Licence;	6.3	
1B	1 p	Tabular summaries of all data and information generated during the previous calendar year under the Surveillance Network Program, and graphical summaries of parameters with EQC referred to in Part G, at the points of compliance (Surveillance Network Program stations 4-27-4, 4-27-7 TO 4-27-16 (inclusive), 4-28-1, 4-28-2, 4-34 and 4-43), in excel or an electronic and printed format acceptable to the Board. The Licensee shall provide raw data in electronic form to the Board;	6.4	
1B	1 q	Discussion of any problems with data collection, analysis, or results;	6.6	
1B	1 r	A list of submissions made to the Board during the previous calendar year; and	7.0	
1B	1 s	A summary of actions taken to address concerns, non-conformances, or deficiencies in any reports filed by an Inspector during the previous calendar year.	8.0	

APPENDIX A

STATUS OF MANAGEMENT PLANS (2024-PRESENT)

VERSION	ITEM REQUIRED UNDER MV2023L2-0006	STATUS	RATIONAL
3.1	<u>ENGAGEMENT PLAN</u>	APPROVED APRIL 2024	-
7.1	<u>TAILINGS CONTAINMENT AREAS OMS MANUAL</u>	UPDATED PLAN SUBMITTED (APRIL 2024)	ISSUED FOR PUBLIC COMMENT. NO RECENT CHANGES MADE
8.1	<u>WASTE MANAGEMENT PLAN</u>	APPROVED APRIL 2024	REVIEW EXPECTED, WITH ANNUAL REPORT, RE. SEWAGE TANK MODIFICATION
6.2	<u>WATER MANAGEMENT AND MINE SITE EROSION AND SEDIMENT PROTECTION PLAN</u>	UNDER REVISION	BOARD DIRECTION RE. UNDERGROUND SUMP MONITORING, ISSUED FOR PUBLIC COMMENT
1	<u>FLAT RIVER EROSION AND SEDIMENT PROTECTION PLAN</u>	NO CHANGE	-
3.2	<u>GROUNDWATER PUMPING CONTINGENCY PLAN</u>	APPROVED NOV 2024	-
7.2	<u>TAILINGS CONTAINMENT AREA EMERGENCY PREPAREDNESS PLAN</u>	APPROVED NOV 2024	-
2.1	<u>FLAT RIVER HYDROLOGY PLAN</u>	APPROVED NOV 2024	-
9.1	<u>SPILL CONTINGENCY PLAN</u>	APPROVED APRIL 2024	-
2.1	<u>WATER SAMPLING QAQC PLAN</u>	APPROVED OCT 2024	-
8.1	<u>CARE AND MAINTENANCE PLAN</u>	APPROVED APRIL 2024	REVIEW EXPECTED, WITH ANNUAL REPORT, RE. REMOTE CAMERA MAINTENANCE

APPENDIX B

SUMMARY OF HAZARDOUS WASTE REMOVED FROM SITE

Table B.1 - Hazardous Waste Removed in 2024

Waste Stream	Unit Of Measure	# of Units	Total Quantity Removed		Comments
			(L)	(kg)	
Flammable Liquids	Drum	3	615		
Lead Acid Batteries	Skid	2		1476	
Oxygen Clinder	100 lbs Cylinder	14		574	
Ethyl Mercaptan Tetra Flouren - Stentch Gas	10 lbs cylinder	10		30	
Sodium Hydochlorite - Residual	Megabag	3		201	
Waste Leachate - Oil	Drum	30	6150		
Waste Leachate - Glycol	Tote	7	7000		
Degreaser	Drum	4	820		
Oily Plastics	Megabag	7		469	
Waste Leachate - Mix	Drum	6	1230		
Sodium Hydroxide	Pail	6	120		
Actisand	Skid	12		11724	
Polymer	Skid	1		1021	
Transformer Carcass	Each	9	540		Oil Disposal
Soil Contaminated with Hydrocarbons	Megabag	1		977	
Aerosols	Megabag	1		465	
Paint Related Material	Skid	2		996	
Corrosive Liquids, Inorganic	Pail	6	120		
Corrosive Liquids, Inorganic	Pail	3	60		
Lab Pack - Flammable Liquids	Drum	1	205		
Hydraulic Hoses	Megabag	1		388	
Sodium Silicate	Drum	1		176	
Filters	Drum	2		84	
Scheelite Reagent	Drum	1		77	
Cement Bags	Drum	1		181	
Light Ballas	Drum	1		169	

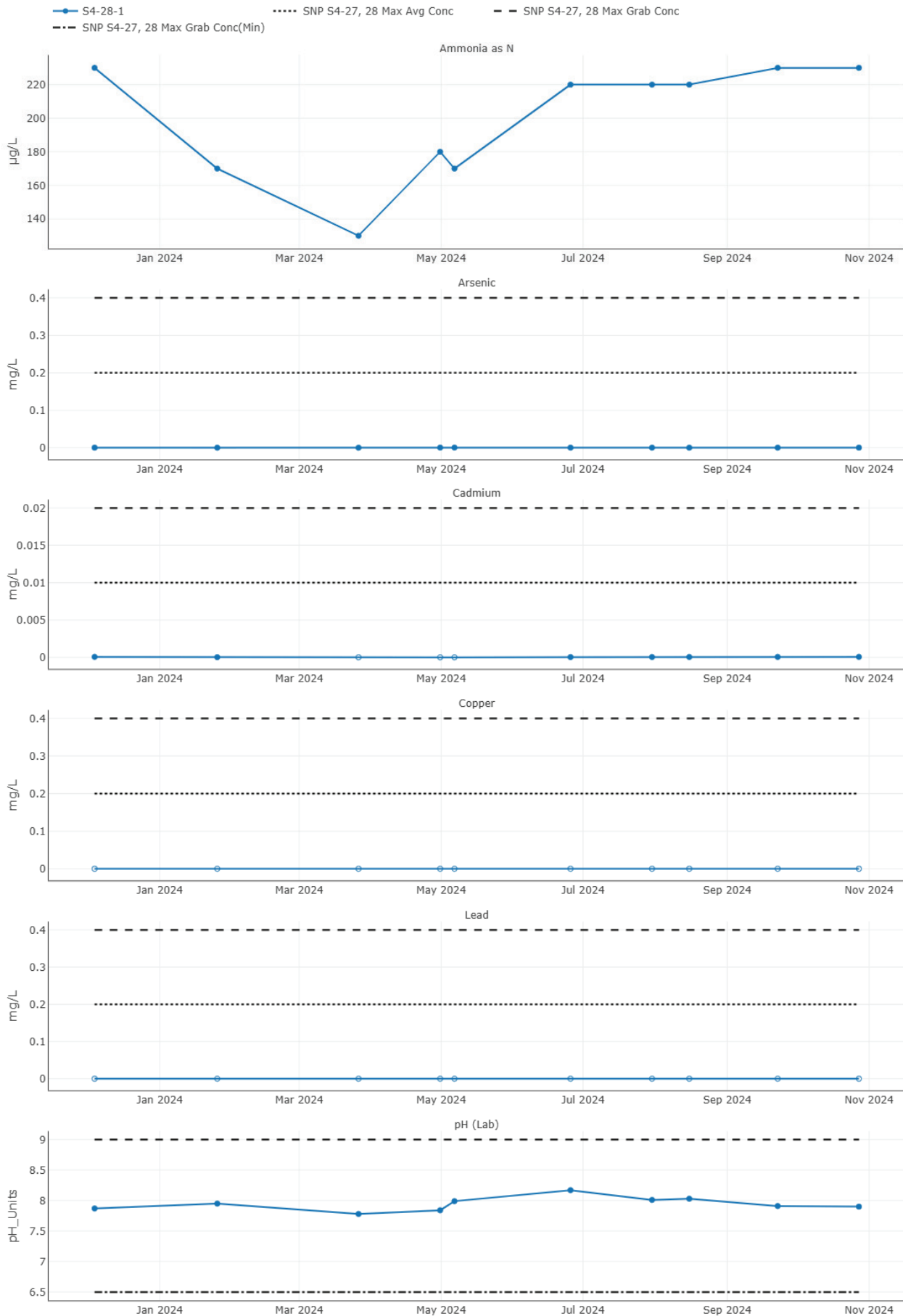
APPENDIX C

SURFACE STATION DATA TABLES

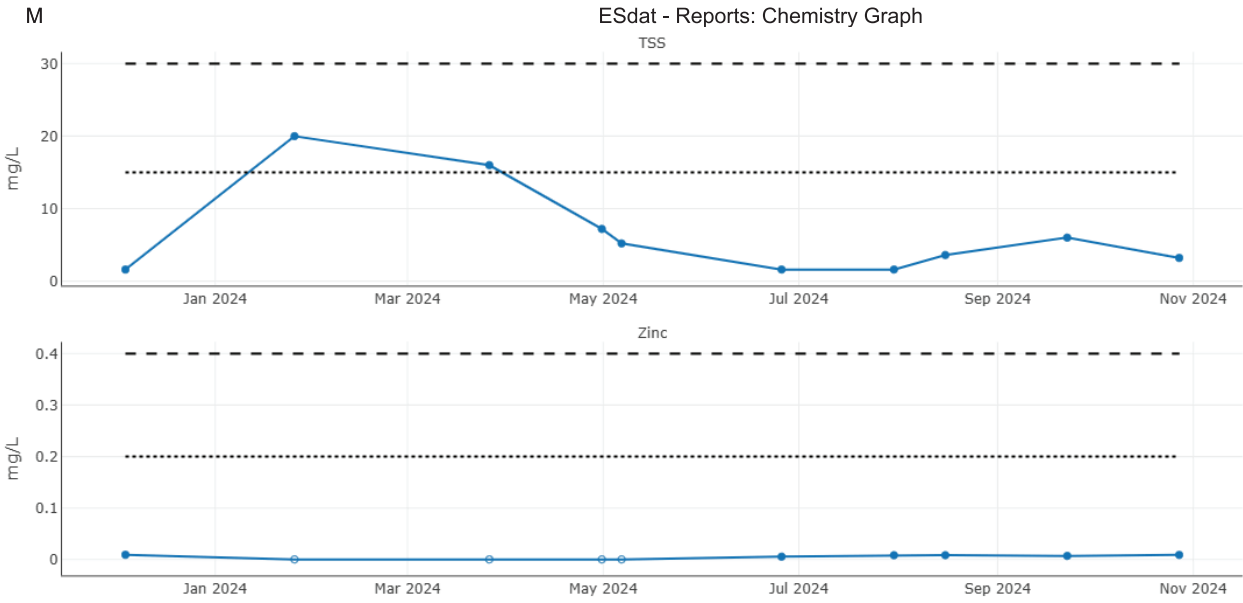
(MS Excel Files Provided Separately)

ES at - Reports: Chemistry Graph

Chemistry Graph



M



report was generated based on the following filter:

Sampled Date between "29 Nov 2023" and "29 Dec 2024",

Locations In "S4-28-1",

Total or Filtered "Total",

Chem Names In "Ammonia as N,Arsenic,Cadmium,C..."

n-detects are indicated by a hollow marker

APPENDIX D

GROUNDWATER STATION DATA TABLES

(MS Excel Files Provided Separately)

APPENDIX E

TCA INSPECTIONS

[illegible][illegible]

[illegible]

Month
March

Time

TP3

TP4

TP5

Initial

Comments

1

2

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APRIL 30th 2024 / 10:15 AM

Cantung Mine - TSF Inspection Sheet

[illegible]

Tailings Containment Areas - Inspection Form and Checklist

Check ⁶	Area, Item	Comment/Rationale/Action
A	Tailings Containment Areas	
1	West TCA – TCA 1 and TCA 2	
✓	a Visible signs of instability, erosion, movement, or seepage along toe	
✓	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
✓	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
✓	d Visible signs of windblown tailings accumulation (indicate location)	
	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	Melt WATER ON SURFACE
2	TCA 3	
✓	a Visible signs of instability, erosion, movement, or seepage along toe	
✓	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
✓	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
✓	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	Melt WATER ON SURFACE
✓	f Visible signs of Soiltec degradation	
3	TCA 4	
✓	a Visible signs of instability, erosion, movement, or seepage along toe	
✓	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
✓	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	EAST SIDE - MINOR Melt WATER ON SURFACE
✓	f Visible signs of Soiltec degradation	
4	TCA 5	
✓	a Visible signs of instability, erosion, movement, or seepage along toe	
✓	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
✓	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
✓	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	Melt WATER ON SURFACE
✓	f Visible signs of Soiltec degradation	
B	TCA Surface Water Diversions	
1	West TCA Diversions / Ditches	
	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
2	TCA 3, TCA 4, TCA 5 Diversions / Ditches	
	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C	General	
1	Access Roads	
	a Signs of road instability, ditch blockages, erosion, etc.	

Action required detail

Check ID Issue/action

Follow-up on outstanding actions

Check ID Action date Status

Photos taken Y/N If No, why not: YES

Checklist and photos email to EOR, A&M: Y/N

Date:

MAY 11/24

Initials:

⁶ Y= checked, everything OK A=checked, action required NA: Not applicable

✓	1	West TCA - TCA 1 and TCA 2	
✓	a	Visible signs of instability, erosion, movement, or seepage along toe	NN = Non Noted
✓	b	Visible signs of instability, erosion, movement, tension cracking or seepage along slope	NONE NOTED
✓	c	Visible signs of instability, erosion, movement, tension cracking or seepage along crest	NN
✓	d	Visible signs of windblown tailings accumulation (indicate location)	NO SIGN OF RECENT ACCUM.
✓	e	Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	NO CHANGE
	2	TCA 3	
✓	a	Visible signs of instability, erosion, movement, or seepage along toe	NN
✓	b	Visible signs of instability, erosion, movement, tension cracking or seepage along slope	NN
✓	c	Visible signs of instability, erosion, movement, tension cracking or seepage along crest	NN
✓	d	Visible signs of wind erosion or windblown tailings accumulation (indicate location)	NO SIGN OF RECENT ACCUMULATION
✓	e	Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	STABLE
✓	f	Visible signs of Soiltec degradation	YES
	3	TCA 4	
✓	a	Visible signs of instability, erosion, movement, or seepage along toe	NN
✓	b	Visible signs of instability, erosion, movement, tension cracking or seepage along slope	NN
✓	c	Visible signs of instability, erosion, movement, tension cracking or seepage along crest	NN
✓	d	Visible signs of wind erosion or windblown tailings accumulation (indicate location)	NO SIGN OF RECENT ACCUMULATION
✓	e	Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	STABLE
✓	f	Visible signs of Soiltec degradation	YES
	4	TCA 5	
✓	a	Visible signs of instability, erosion, movement, or seepage along toe	NO
✓	b	Visible signs of instability, erosion, movement, tension cracking or seepage along slope	NO
✓	c	Visible signs of instability, erosion, movement, tension cracking or seepage along crest	NN
✓	d	Visible signs of wind erosion or windblown tailings accumulation (indicate location)	NO SIGN OF RECENT ACCUM.
✓	e	Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	STABLE
✓	f	Visible signs of Soiltec degradation	YES
B		TCA Surface Water Diversions	
✓	1	West TCA Diversions / Ditches	SNOW FILLED / NOT FLOWING
	a	Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	NONE NOTED
✓	2	TCA 3, TCA 4, TCA 5 Diversions / Ditches	NOT FLOWING
	a	Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	NON NOTED
C		General	
✓	1	Access Roads	GOOD
✓	a	Signs of road instability, ditch blockages, erosion, etc.	GOOD

Action required detail

Check ID

Issue/action

B1+2 will watch closely AS high elevation Freshet STARTS.

Follow-up on outstanding actions

Check ID

Action date

Status

G. FUDSANG
MAY 18/24

Photos taken

Y/N

If No, why not:

NN = NONE NOTED

Tailings Containment Areas - Inspection Form and Checklist		
Check ⁶	Area, Item	Comment/Rationale/Action
A	Tailings Containment Areas	
	1 West TCA - TCA 1 and TCA 2	
	<input checked="" type="checkbox"/> a Visible signs of instability, erosion, movement, or seepage along toe	NN
	<input checked="" type="checkbox"/> b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	NN
	<input checked="" type="checkbox"/> c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	NN
	<input checked="" type="checkbox"/> d Visible signs of windblown tailings accumulation (indicate location)	NN
	<input checked="" type="checkbox"/> e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	NA
	2 TCA 3	
	<input checked="" type="checkbox"/> a Visible signs of instability, erosion, movement, or seepage along toe	NN
	<input checked="" type="checkbox"/> b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	NN
	<input checked="" type="checkbox"/> c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	Historic Erosion - NO RECENT
	<input checked="" type="checkbox"/> d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	NO RECENT ACCUM.
	<input checked="" type="checkbox"/> e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	NO CHANGE
	<input checked="" type="checkbox"/> f Visible signs of Soiltec degradation	YES
	3 TCA 4	
	<input checked="" type="checkbox"/> a Visible signs of instability, erosion, movement, or seepage along toe	Road Ditch - SNOW + water - FRESH TAILING
	<input checked="" type="checkbox"/> b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	NN
	<input checked="" type="checkbox"/> c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	NN
	<input checked="" type="checkbox"/> d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	NN
	<input checked="" type="checkbox"/> e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	NO CHANGE
	<input checked="" type="checkbox"/> f Visible signs of Soiltec degradation	YES
	4 TCA 5	
	<input checked="" type="checkbox"/> a Visible signs of instability, erosion, movement, or seepage along toe	NN
	<input checked="" type="checkbox"/> b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	NN
	<input checked="" type="checkbox"/> c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	NN
	<input checked="" type="checkbox"/> d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	NN
	<input checked="" type="checkbox"/> e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	NO CHANGE
	<input checked="" type="checkbox"/> f Visible signs of Soiltec degradation	NN
B	TCA Surface Water Diversions	
	<input checked="" type="checkbox"/> 1 West TCA Diversions / Ditches	
	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	NN
	<input checked="" type="checkbox"/> 2 TCA 3, TCA 4, TCA 5 Diversions / Ditches	
	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	OK
C	General	
	<input checked="" type="checkbox"/> 1 Access Roads	
	a Signs of road instability, ditch blockages, erosion, etc.	OK

Action required detail

Check ID Issue/action

B1+2 - Low Flow UNimpeded Flow of Diversion Ditch 5

Follow-up on outstanding actions

Check ID Action date Status

Photos taken

Y/N

If No, why not:

NN = NONE NOTED

Tailing Containment Areas - Inspection Form and Checklist		Comment/Rationale/Action
Check ⁶	Area, Item	
A	Tailing Containment Areas	
	1 West TCA - TCA 1 and TCA 2	NN
	✓ a Visible signs of instability, erosion, movement, or seepage along toe	NN
	✓ b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	NN
	✓ c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	NN
	✓ d Visible signs of windblown tailings accumulation (indicate location)	Historic - no Recent
	✓ e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	NN
	2 TCA 3	
	✓ a Visible signs of instability, erosion, movement, or seepage along toe	
	✓ b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	snow melt
	✓ c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	NN
	✓ d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	NN
	✓ e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	water seems to be dropping
	✓ f Visible signs of Soiltec degradation	yes
	3 TCA 4	
	✓ a Visible signs of instability, erosion, movement, or seepage along toe	Road Ditch - snow melt water
	✓ b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	NN
	✓ c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	NN
	✓ d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	NN
	✓ e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	NO CHANGE
	✓ f Visible signs of Soiltec degradation	
	4 TCA 5	
	✓ a Visible signs of instability, erosion, movement, or seepage along toe	NN
	✓ b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	NN
	✓ c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	NN
	✓ d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	nothing Recent
	✓ e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	Pond Level slowly dropping
	✓ f Visible signs of Soiltec degradation	NN
B	TCA Surface Water Diversions	
	✓ 1 West TCA Diversions / Ditches	NN
	✓ a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
	✓ 2 TCA 3, TCA 4, TCA 5 Diversions / Ditches	
	✓ a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	OK
C	General	
	✓ 1 Access Roads	
	✓ a Signs of road instability, ditch blockages, erosion, etc.	OK

Action required detail

Check ID Issue/action

No impediments of Diversion Ditches

Follow-up on outstanding actions

Check ID Action date Status

Photos taken ☒ Y/N If No, why not:

Checklist and photos email to EOR, A&M: Y/N

Date

May 31/24

Initials

Gr. Hug / Sang

⁶ Y= checked, everything OK A=checked, action required NA: Not applicable

Tailings Containment Areas - Inspection Form and Checklist

Check ⁶	Area, Item	Comment/Rationale/Action
A	Tailings Containment Areas	
	1 West TCA – TCA 1 and TCA 2	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
	2 TCA 3	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
A	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	DUST OBSERVED
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
A	f Visible signs of Soiltec degradation	CRUMBLY Sections
	3 TCA 4	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
A	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	RIPPLING OF TAILINGS
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
A	f Visible signs of Soiltec degradation	CRUMBLY Sections
	4 TCA 5	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
A	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	Dust observed
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
A	f Visible signs of Soiltec degradation	CRUMBLY Sections
B	TCA Surface Water Diversions	
Y	1 West TCA Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
	2 TCA 3, TCA4, TCA 5 Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C	General	
	1 Access Roads	
Y	a Signs of road instability, ditch blockages, erosion, etc.	

Action required detail

Check ID Issue/action

DUST OBSERVED COMING OF TCA 3, 5
 RIPPLING OF TAILINGS OBSERVED ON TCA 3, 4, 5

Follow-up on outstanding actions

Check ID Action date Status

Photos taken Y/N If No, why not: YES

Checklist and photos email to EOR, A&M: Y/N

Date: June 7/24

Initials: [Signature]

⁶ Y= checked, everything OK A=checked, action required NA: Not applicable

Tailings Containment Areas - Inspection Form and Checklist

Check ⁶	Area, Item	Comment/Rationale/Action
A	Tailings Containment Areas	
	1 West TCA - TCA 1 and TCA 2	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
	2 TCA 3	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	Ponding Water
A	f Visible signs of SoilTAC degradation	
	3 TCA 4	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	Ponding Water
A	f Visible signs of SoilTAC degradation	
	4 TCA 5	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	No Ponding Water
A	f Visible signs of SoilTAC degradation	
B	TCA Surface Water Diversions	
	1 West TCA Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
	2 TCA 3, TCA 4, TCA 5 Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C	General	
	1 Access Roads	
Y	a Signs of road instability, ditch blockages, erosion, etc.	

Action required detail

Check ID Issue/action

2F, 3F, 4F SOIL TAC SHOWS SIGNS OF DETERIORATION IN ISOLATED AREAS. IN SOME AREAS THE SOILTAC IS COVERED BY TAILINGS.

Follow-up on outstanding actions

Check ID Action date Status

2F, 3F, 4F GETTING QUOTES ON SOILTAC SUPPLY AND INVESTIGATING APPLICATION METHODS. SITE VISIT WITH EOR JUNE 11/24

Photos taken Y/N If No, why not: YES

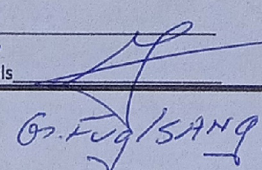
Checklist and photos email to EOR, A&M: Y/N Date: June 14/24 Initials: [Signature]

⁶ Y= checked, everything OK A=checked, action required NA: Not applicable

Tailings Containment Areas - Inspection Form and Checklist		
Check ⁶	Area, Item	Comment/Rationale/Action
A	Tailings Containment Areas	
	1 West TCA - TCA 1 and TCA 2	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
	2 TCA 3	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
A	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	Receding Water
A	f Visible signs of Solitac degradation	
	3 TCA 4	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
A	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	Receding Water
A	f Visible signs of Solitac degradation	
	4 TCA 5	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
A	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	DRY
A	f Visible signs of Solitac degradation	
B	TCA Surface Water Diversions	
	1 West TCA Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
	2 TCA 3, TCA 4, TCA 5 Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C	General	
	1 Access Roads	
Y	a Signs of road instability, ditch blockages, erosion, etc.	
Action required detail		
Check ID	Issue/action	
2d, 3d, 4d	Wind Blowing Tailings Was OBSERVED ON June 18	
2f, 3f, 4f	CRACKING SOLITAC AND RIPPLING TAILINGS OBSERVED.	
Follow-up on outstanding actions		
Check ID	Action date	Status
2d, 3d, 4d	SOURCING Solitac & EXPLORING APPLICATION PROCEDURES AND OPTIONS.	
2f, 3f, 4f		
Photos taken Y/N If No, why not: _____		
Checklist and photos email to EOR, A&M: Y/N Date: <u>June 22/24</u> Initials: <u>[Signature]</u>		

⁶ Y= checked, everything OK A=checked, action required NA: Not applicable

NA = NOT Applicable
NN = NONE NOTED

Tailings Containment Areas - Inspection Form and Checklist		
Check ⁶	Area, Item	Comment/Rationale/Action
A Tailings Containment Areas		
1	West TCA - TCA 1 and TCA 2	
✓a	Visible signs of instability, erosion, movement, or seepage along toe	NN
✓b	Visible signs of instability, erosion, movement, tension cracking or seepage along slope	NN
✓c	Visible signs of instability, erosion, movement, tension cracking or seepage along crest	NN
✓d	Visible signs of windblown tailings accumulation (indicate location)	NA - CAPPED
e	Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	NA
2	TCA 3	
✓a	Visible signs of instability, erosion, movement, or seepage along toe	NN
✓b	Visible signs of instability, erosion, movement, tension cracking or seepage along slope	NN
* ✓c	Visible signs of instability, erosion, movement, tension cracking or seepage along crest	Old Erosion
✓d	Visible signs of wind erosion or windblown tailings accumulation (indicate location)	SOUTH END - SOUTH EMBANKMENT
✓e	Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	YES - Drying
✓f	Visible signs of Soiltec degradation	YES
3	TCA 4	
✓a	Visible signs of instability, erosion, movement, or seepage along toe	NN
✓b	Visible signs of instability, erosion, movement, tension cracking or seepage along slope	NN
✓c	Visible signs of instability, erosion, movement, tension cracking or seepage along crest	NN
✓d	Visible signs of wind erosion or windblown tailings accumulation (indicate location)	SOUTH EMBANKMENT - OLD
✓e	Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	YES - Drying
f	Visible signs of Soiltec degradation	YES
4	TCA 5	
a	Visible signs of instability, erosion, movement, or seepage along toe	NN
b	Visible signs of instability, erosion, movement, tension cracking or seepage along slope	NN
c	Visible signs of instability, erosion, movement, tension cracking or seepage along crest	NN
d	Visible signs of wind erosion or windblown tailings accumulation (indicate location)	NN
e	Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	Pond is Completely Dry
f	Visible signs of Soiltec degradation	YES
B TCA Surface Water Diversions		
✓1	West TCA Diversions / Ditches	
a	Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	NN
✓2	TCA 3, TCA 4, TCA 5 Diversions / Ditches	
a	Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	OK
C General		
1	Access Roads	
✓a	Signs of road instability, ditch blockages, erosion, etc.	OK
Action required detail		
Check ID	Issue/action	
A2C	Old Erosion cut ON SW corner of TP3 Replaced Eroded material with waste Rock to Armour Against Future events.	
Follow-up on outstanding actions		
Check ID	Action date	Status
Photos taken Y/N If No, why not: _____		
Checklist and photos email to EOR, A&M: Y/N Date: JUNE 28/24 Initials: 		

⁶ Y= checked, everything OK A=checked, action required NA: Not applicable

Tailings Containment Areas - Inspection Form and Checklist

Check ID	Area, Item	Comment/Rationale/Action
A Tailings Containment Areas		
1	West TCA - TCA 1 and TCA 2	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of windblown tailings accumulation (indicate location)	
NA	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
2	TCA 3	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	Signs of historic erosion on S
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	Nothing Fresh This PAST week
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	Drying
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	YES
Y	f Visible signs of Soiltec degradation	
3	TCA 4	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	Nothing Fresh This PAST week
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	Drying
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	YES
Y	f Visible signs of Soiltec degradation	
4	TCA 5	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	Drying
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	
B TCA Surface Water Diversions		
1	West TCA Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
2	TCA 3, TCA 4, TCA 5 Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C General		
1	Access Roads	
AY	a Signs of road instability, ditch blockages, erosion, etc.	

Action required detail

Check ID Issue/action

CA - SURFACE Ditches on Access Roads need MAINTENANCE to Remove silt Build up.

Follow-up on outstanding actions

Check ID Action date Status

Photos taken Y/N If No, why not:

Checklist and photos email to EOR, A&M: Y/N

Date:

JULY 5/24

Initials

Gr. Euglsang

⁶ Y= checked, everything OK A=checked, action required NA: Not applicable

July 12, 2024 Weekly Dam Inspection Checklist and Photos.

July 12/24 G. Fuglsang

Tailings Containment Areas - Inspection Form and Checklist		Comment/Rationale/Action
Check ⁶	Area, Item	Comment/Rationale/Action
A Tailings Containment Areas		
	1 West TCA – TCA 1 and TCA 2	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of windblown tailings accumulation (indicate location)	
N/A	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
	2 TCA 3	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (Indicate location)	NO RECENT ACCUMULATION
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	NO CHANGE
A	f Visible signs of Solitac degradation	
	3 TCA 4	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (Indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	NO CHANGE
Y	f Visible signs of Solitac degradation	
	4 TCA 5	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
A	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	FRESH EROSION ON E. CREST
Y	d Visible signs of wind erosion or windblown tailings accumulation (Indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	NO CHANGE
Y	f Visible signs of Solitac degradation	
B TCA Surface Water Diversions		
	1 West TCA Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
	2 TCA 3, TCA 4, TCA 5 Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C General		
	1 Access Roads	
Y	a Signs of road instability, ditch blockages, erosion, etc.	
Action required detail		
Check ID	Issue/action	
4C	CREST HAS SOME EROSION ON E SIDE. WILL MAKE REPAIRS WITH WASTE ROCK.	
Follow-up on outstanding actions		
Check ID	Action date	Status
Photos taken <input checked="" type="checkbox"/> Y/N If No, why not: _____		
Checklist and photos email to EOR, A&M: Y/N Date: _____ Initials: _____		

⁶ Y= checked, everything OK A=checked, action required NA: Not applicable

Tailings Containment Areas - Inspection Form and Checklist

Check	Area, Item	Comment/Rationale/Action
A	Tailings Containment Areas	
	1 West TCA - TCA 1 and TCA 2	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of windblown tailings accumulation (Indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
	2 TCA 3	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (Indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
A	f Visible signs of SoilTAC degradation	
	3 TCA 4	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (Indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
A	f Visible signs of SoilTAC degradation	
	4 TCA 5	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (Indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
A	f Visible signs of SoilTAC degradation	
B	TCA Surface Water Diversions	
	1 West TCA Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
	2 TCA 3, TCA 4, TCA 5 Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C	General	
	1 Access Roads	
Y	a Signs of road instability, ditch blockages, erosion, etc.	

Action required detail

Check ID Issue/action

2F, 3F, 4F

SOIL TAC SHOWS SIGNS OF DETERIORATION BUT WE ARE APPLYING SOIL TAC NEAR END OF MONTH

Follow-up on outstanding actions

Check ID Action date Status

2F, 3F, 4F SOIL TAC IS ON SITE - APPLICATION IN THE next 2 weeks

Photos taken Y/N If No, why not: Y

Checklist and photos email to EOR, A&M: ON

Date: July 19

Initials: [Signature]

* Y= checked, everything OK A=checked, action required NA: Not applicable

Tailings Containment Areas - Inspection Form and Checklist

Check ⁶	Area, Item	Comment/Rationale/Action
A	Tailings Containment Areas	
	1 West TCA - TCA 1 and TCA 2	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of windblown tailings accumulation (Indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
	2 TCA 3	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (Indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
A	f Visible signs of Soiltec degradation	
	3 TCA 4	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (Indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
A	f Visible signs of Soiltec degradation	
	4 TCA 5	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (Indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
A	f Visible signs of Soiltec degradation	
B	TCA Surface Water Diversions	
	1 West TCA Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
	2 TCA 3, TCA 4, TCA 5 Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C	General	
	1 Access Roads	
Y	a Signs of road instability, ditch blockages, erosion, etc.	

Action required detail

Check ID Issue/action

Soiltec is Not Standing up.

2F, 3F, 4F

Follow-up on outstanding actions

Check ID Action date Status

2F, 3F, 4F

FLATTENING SLOPES for BETTER Soiltec Application
Soiltec Application next week

Photos taken ☒ If No, why not:

Checklist and photos email to EOR, A&M: ☒

Date: July 26

Initials

[Signature]

⁶ Y= checked, everything OK A=checked, action required NA: Not applicable

Tailings Containment Areas - Inspection Form and Checklist		
Check ⁶	Area, Item	Comment/Rationale/Action
A	Tailings Containment Areas	
	1 West TCA – TCA 1 and TCA 2	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
	2 TCA 3	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	Looks Good
	3 TCA 4	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	Looks Good
	4 TCA 5	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	Looks Good
B	TCA Surface Water Diversions	
	1 West TCA Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
	2 TCA 3, TCA 4, TCA 5 Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C	General	
	1 Access Roads	
Y	a Signs of road instability, ditch blockages, erosion, etc.	
Action required detail		
Check ID	Issue/action	
Follow-up on outstanding actions		
Check ID	Action date	Status
Photos taken <input checked="" type="checkbox"/> Y/N If No, why not: _____		
Checklist and photos email to EOR, A&M: Y/N Date: <u>Aug. 2/24</u> Initials: <u>[Signature]</u>		

⁶Y= checked, everything OK A=checked, action required NA: Not applicable

August 9, 2024 Cantung TCA Weekly Inspection Report.

Aug 9/24 G. Fugisang

Tailings Containment Areas - Inspection Form and Checklist		Comment/Rationale/Action
Check ⁶	Area, Item	
A Tailings Containment Areas		
	1 West TCA - TCA 1 and TCA 2	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of windblown tailings accumulation (indicate location)	
N/A	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
	2 TCA 3	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	DRY
Y	f Visible signs of Soiltec degradation	
	3 TCA 4	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	DRY
Y	f Visible signs of Soiltec degradation	
	4 TCA 5	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	DRY
Y	f Visible signs of Soiltec degradation	
B TCA Surface Water Diversions		
	1 West TCA Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
	2 TCA 3, TCA 4, TCA 5 Diversions / Ditches	
A	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C General		
	1 Access Roads	
Y	a Signs of road instability, ditch blockages, erosion, etc.	
Action required detail		
Check ID	Issue/action	
	Soil TACK APPLICATION ON TCA 4, 5, + 3 Completed on Aug.	
Follow-up on outstanding actions		
Check ID	Action date	Status
B2A	- collection basin of TCA 4 diversion ditch Requires silt Removal	
Photos taken (Y/N) If No, why not: _____		
Checklist and photos email to EOR, A&M: Y/N Date: _____ Initials: _____		

⁶ Y= checked, everything OK A=checked, action required NA: Not applicable

Tailings Containment Areas - Inspection Form and Checklist		
Check ⁶	Area, Item	Comment/Rationale/Action
A Tailings Containment Areas		
	1 West TCA - TCA 1 and TCA 2	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
	2 TCA 3	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	
	3 TCA 4	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	
	4 TCA 5	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	
B TCA Surface Water Diversions		
	1 West TCA Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
	2 TCA 3, TCA 4, TCA 5 Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C General		
	1 Access Roads	
Y	a Signs of road instability, ditch blockages, erosion, etc.	
Action required detail		
Check ID	Issue/action	
Follow-up on outstanding actions		
Check ID	Action date	Status
Photos taken <input checked="" type="checkbox"/> Y/N If No, why not: _____		
Checklist and photos email to EOR, A&M: Y/N Date: <u>Aug 16/24</u> Initials: <u>[Signature]</u>		

⁶ Y= checked, everything OK A=checked, action required NA: Not applicable

August 23, 2024 Cantung TCA inspection report; Unremarkable.

Aug 23 / 24

Check ⁶	Tailings Containment Areas - Inspection Form and Checklist	Comment/Rationale/Action
A	Area, Item	
	Tailings Containment Areas	
1	West TCA - TCA 1 and TCA 2	
✓	a Visible signs of instability, erosion, movement, or seepage along toe	
✓	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
✓	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
✓	d Visible signs of windblown tailings accumulation (indicate location)	
✓	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
	2 TCA 3	
✓	a Visible signs of instability, erosion, movement, or seepage along toe	
✓	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
✓	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
✓	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
✓	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
✓	f Visible signs of Soiltec degradation	
	3 TCA 4	
✓	a Visible signs of instability, erosion, movement, or seepage along toe	
✓	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
✓	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
✓	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
✓	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
✓	f Visible signs of Soiltec degradation	
	4 TCA 5	
✓	a Visible signs of instability, erosion, movement, or seepage along toe	
✓	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
✓	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
✓	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
✓	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
✓	f Visible signs of Soiltec degradation	
B	TCA Surface Water Diversions	
	1 West TCA Diversions / Ditches	
✓	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
	2 TCA 3, TCA 4, TCA 5 Diversions / Ditches	
✓	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C	General	
	1 Access Roads	
✓	a Signs of road instability, ditch blockages, erosion, etc.	
Action required detail		
Check ID	Issue/action	
	B1A - Carried out Diversion Ditch maint on TCA 4 Ditch as per Engineer Recommendation.	
Follow-up on outstanding actions		
Check ID	Action date	Status
Photos taken (Y/N) If No, why not: _____		
Checklist and photos email to EOR, A&M: Y/N Date: _____ Initials: _____		

⁶ Y= checked, everything OK A=checked, action required NA: Not applicable

Aug 23 / 24


Aug. 30 TCA Inspection. GF

Aug 30/24 G. Fyfe

Check #	Area, Item	Comment/Rationale/Action
A Tailings Containment Areas		
1	West TCA - TCA 1 and TCA 2	
✓	a Visible signs of instability, erosion, movement, or seepage along toe	
✓	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
✓	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
✓	d Visible signs of windblown tailings accumulation (indicate location)	
✓	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
2	TCA 3	
✓	a Visible signs of instability, erosion, movement, or seepage along toe	
✓	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
✓	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
✓	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
✓	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
✓	f Visible signs of Solitac degradation	
3	TCA 4	
✓	a Visible signs of instability, erosion, movement, or seepage along toe	
✓	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
✓	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
✓	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
✓	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
✓	f Visible signs of Solitac degradation	
4	TCA 5	
✓	a Visible signs of instability, erosion, movement, or seepage along toe	
✓	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
✓	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
✓	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
✓	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
✓	f Visible signs of Solitac degradation	
B TCA Surface Water Diversions		
1	West TCA Diversions / Ditches	
✓	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
2	TCA 3, TCA 4, TCA 5 Diversions / Ditches	
✓	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C General		
1	Access Roads	
✓	a Signs of road instability, ditch blockages, erosion, etc.	
Action required detail		
Check ID	Issue/action	
	SOME water on TCA 3/5 Berm from Heavy RAIN. TOP of Embankment need grading to shed water.	
Follow-up on outstanding actions		
Check ID	Action date	Status
Photos taken <input checked="" type="checkbox"/> Y/N If No, why not: _____		
Checklist and photos email to EOR, A&M: Y/N Date: _____ Initials: _____		

6 Y= checked, everything OK A=checked, action required NA: Not applicable

Tailings Containment Areas - Inspection Form and Checklist		
Check ⁴	Area, Item	Comment/Rationale/Action
A	Tailings Containment Areas	
Y	1 West TCA – TCA 1 and TCA 2	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of windblown tailings accumulation	
NA	e Changes in ponded or accumulated water	
Y	2 TCA 3	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of windblown tailings accumulation	
Y	e Changes in ponded or accumulated water	
	3 TCA 4	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of windblown tailings accumulation	
Y	e Changes in ponded or accumulated water	
	4 TCA 5	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of windblown tailings accumulation	
Y	e Changes in ponded or accumulated water	
B	TCA Surface Water Diversions	
	1 West TCA Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
	2 TCA 3, TCA4, TCA 5 Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C	General	
	1 Access Roads	
Y	a Signs of road instability, ditch blockages, erosion, etc.	
Action required detail		
Check ID	Issue/action	
Follow-up on outstanding actions		
Check ID	Action date	Status

Bill Christensen 

Sept 6, 2024

⁴ Y= checked, everything OK A=checked, action required NA: Not applicable

Tailings Containment Areas - Inspection Form and Checklist

Check ⁶	Area, Item	Comment/Rationale/Action
A Tailings Containment Areas		
	1 West TCA - TCA 1 and TCA 2	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
	2 TCA 3	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	
	3 TCA 4	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	
	4 TCA 5	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	
B TCA Surface Water Diversions		
	1 West TCA Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
	2 TCA 3, TCA 4, TCA 5 Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C General		
	1 Access Roads	
Y	a Signs of road instability, ditch blockages, erosion, etc.	
Action required detail		
Check ID	Issue/action	
Follow-up on outstanding actions		
Check ID	Action date	Status
Photos taken Y/N If No, why not: _____		
Checklist and photos email to EOR, A&M: Y/N Date: <u>SEPT. 13/24</u> Initials: <u>[Signature]</u>		

⁶ Y= checked, everything OK A=checked, action required NA: Not applicable

Tailings Containment Areas - Inspection Form and Checklist

Check ⁶	Area, Item	Comment/Rationale/Action
A	Tailings Containment Areas	
	1 West TCA – TCA 1 and TCA 2	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
	2 TCA 3	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	
	3 TCA 4	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	
	4 TCA 5	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	
B	TCA Surface Water Diversions	
	1 West TCA Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
	2 TCA 3, TCA4, TCA 5 Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C	General	
	1 Access Roads	
Y	a Signs of road instability, ditch blockages, erosion, etc.	

Action required detail

Check ID Issue/action

Follow-up on outstanding actions

Check ID Action date Status

Photos taken Y/N If No, why not: _____

Checklist and photos email to EOR, A&M: Y/N

Date: SEPT 20/24 Initials: [Signature]

⁶ Y= checked, everything OK A=checked, action required NA: Not applicable

September 27 Weekly Cantung TCA Inspection by G. Fuglsang.

SEPT 27/24
G. FUGLSANG

Tailings Containment Areas - Inspection Form and Checklist		
Check ⁶	Area, Item	Comment/Rationale/Action
A Tailings Containment Areas		
	1 West TCA – TCA 1 and TCA 2	
✓	a Visible signs of instability, erosion, movement, or seepage along toe	
✓	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
✓	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
✓	d Visible signs of windblown tailings accumulation (indicate location)	
✓	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
	2 TCA 3	
✓	a Visible signs of instability, erosion, movement, or seepage along toe	
✓	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
✓	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
✓	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
✓	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
✓	f Visible signs of Soiltec degradation	
	3 TCA 4	
✓	a Visible signs of instability, erosion, movement, or seepage along toe	
✓	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
✓	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
✓	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
✓	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	SOME RAIN WATER Ponding
✓	f Visible signs of Soiltec degradation	
	4 TCA 5	
✓	a Visible signs of instability, erosion, movement, or seepage along toe	
✓	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
✓	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
✓	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
✓	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
✓	f Visible signs of Soiltec degradation	
B TCA Surface Water Diversions		
	1 West TCA Diversions / Ditches	
✓	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
	2 TCA 3, TCA 4, TCA 5 Diversions / Ditches	
✓	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C General		
	1 Access Roads	
✓	a Signs of road instability, ditch blockages, erosion, etc.	
Action required detail		
Check ID	Issue/action	
	No Action required.	
Follow-up on outstanding actions		
Check ID	Action date	Status
Photos taken <input checked="" type="checkbox"/> Y/N If No, why not: _____		
Checklist and photos email to EOR, A&M: Y/N Date: _____ Initials: _____		

⁶ Y= checked, everything OK A=checked, action required NA: Not applicable

Oct 5, 2024 Weekly Cantung TCA Inspection Checklist. G. Fuglsang/Parsons Inc.

OCT 5, 2024
G. FUGLSANG

Tailings Containment Areas - Inspection Form and Checklist		Comment/Rationale/Action
Check ⁶	Area, Item	
A	Tailings Containment Areas	
	1 West TCA - TCA 1 and TCA 2	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of windblown tailings accumulation (indicate location)	
NA	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
	2 TCA 3	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	
	3 TCA 4	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	
	4 TCA 5	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	
B	TCA Surface Water Diversions	
	1 West TCA Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
	2 TCA 3, TCA 4, TCA 5 Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C	General	
	1 Access Roads	
Y	a Signs of road instability, ditch blockages, erosion, etc.	
Action required detail		
Check ID	Issue/action <i>NO ACTIONS Required</i>	
Follow-up on outstanding actions		
Check ID	Action date	Status
Photos taken Y/N If No, why not: _____		
Checklist and photos email to EOR, A&M: Y/N Date: _____ Initials: _____		

⁶ Y= checked, everything OK A=checked, action required NA: Not applicable

OCT 18/24
G. FUGISANG

Tailings Containment Areas - Inspection Form and Checklist		Comment/Rationale/Action
Check ID	Area, Item	
A	Tailings Containment Areas	
	1 West TCA - TCA 1 and TCA 2	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of windblown tailings accumulation (Indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
	2 TCA 3	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (Indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	
	3 TCA 4	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (Indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	
	4 TCA 5	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (Indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	
B	TCA Surface Water Diversions	
	1 West TCA Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
	2 TCA 3, TCA 4, TCA 5 Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C	General	
	1 Access Roads	
	a Signs of road instability, ditch blockages, erosion, etc.	

Action required detail

Check ID Issue/action

Facilities under SNOW COVER

Follow-up on outstanding actions

Check ID Action date Status

Photos taken Y/N

Y/No, why not:

Facilities under SNOW COVER

Checklist and photos email to EOR, A&M: Y/N

Date:

Initials

⁶ Y= checked, everything OK A=checked, action required NA: Not applicable

A		Tailings Containment Areas	
	1	West TCA – TCA 1 and TCA 2	
✓	a	Visible signs of instability, erosion, movement, or seepage along toe	
✓	b	Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
✓	c	Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
✓	d	Visible signs of windblown tailings accumulation (indicate location)	
✓	e	Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
	2	TCA 3	
✓	a	Visible signs of instability, erosion, movement, or seepage along toe	
✓	b	Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
✓	c	Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
✓	d	Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
✓	e	Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
✓	f	Visible signs of Soiltec degradation	
	3	TCA 4	
✓	a	Visible signs of instability, erosion, movement, or seepage along toe	
✓	b	Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
✓	c	Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
✓	d	Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
✓	e	Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
✓	f	Visible signs of Soiltec degradation	
	4	TCA 5	
✓	a	Visible signs of instability, erosion, movement, or seepage along toe	
✓	b	Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
✓	c	Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
✓	d	Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
✓	e	Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
✓	f	Visible signs of Soiltec degradation	
B	TCA Surface Water Diversions		
	1	West TCA Diversions / Ditches	
✓	a	Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
	2	TCA 3, TCA4, TCA 5 Diversions / Ditches	
✓	a	Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C	General		
	1	Access Roads	
✓	a	Signs of road instability, ditch blockages, erosion, etc.	

Action required detail

Check ID Issue/action

Follow-up on outstanding actions

Check ID Action date Status

Photos taken Y/N If No, why not: YES

Checklist and photos email to EOR, A&M: Y/N

Date: OCT. 25/24

Initials: [Signature]

Tailings Containment Areas - Inspection Form and Checklist

Check ⁶	Area, Item	Comment/Rationale/Action
A	Tailings Containment Areas	
	1 West TCA – TCA 1 and TCA 2	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
	2 TCA 3	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	
	3 TCA 4	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
Y	e Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	
Y	f Visible signs of Soiltec degradation	
	4 TCA 5	
Y	a Visible signs of instability, erosion, movement, or seepage along toe	
Y	b Visible signs of instability, erosion, movement, tension cracking or seepage along slope	
Y	c Visible signs of instability, erosion, movement, tension cracking or seepage along crest	
Y	d Visible signs of wind erosion or windblown tailings accumulation (indicate location)	
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Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
	2 TCA 3, TCA 4, TCA 5 Diversions / Ditches	
Y	a Visible instability, movement, blockages, or breaches in diversions, ditches, or culverts	
C	General	
	1 Access Roads	
Y	a Signs of road instability, ditch blockages, erosion, etc.	

Action required detail

Check ID Issue/action

Follow-up on outstanding actions

Check ID Action date Status

Photos taken ☒ If No, why not: _____

Checklist and photos email to EOR, A&M: ☒ N

Date: Nov. 2/24

Initials: [Signature]

⁶ Y= checked, everything OK A=checked, action required NA: Not applicable

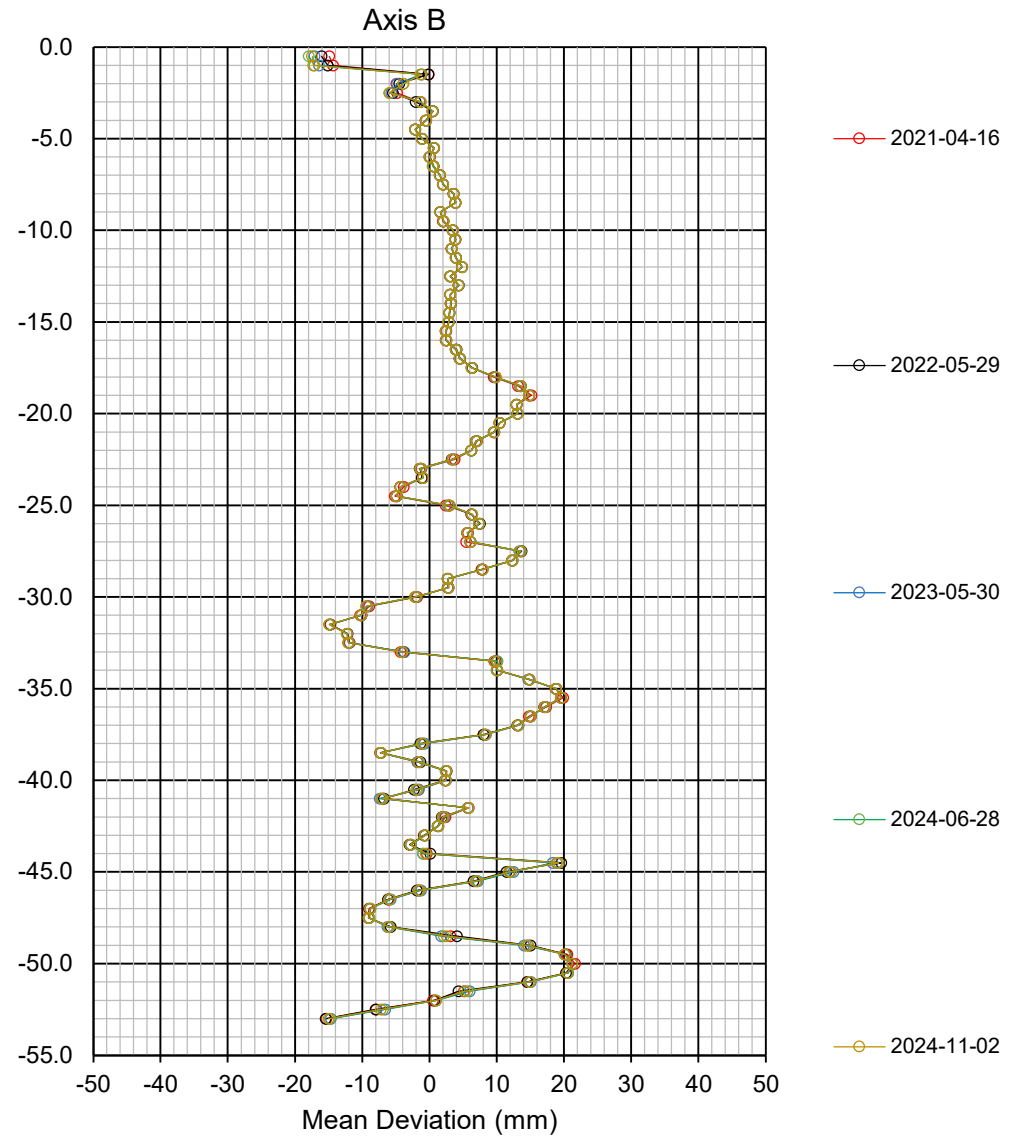
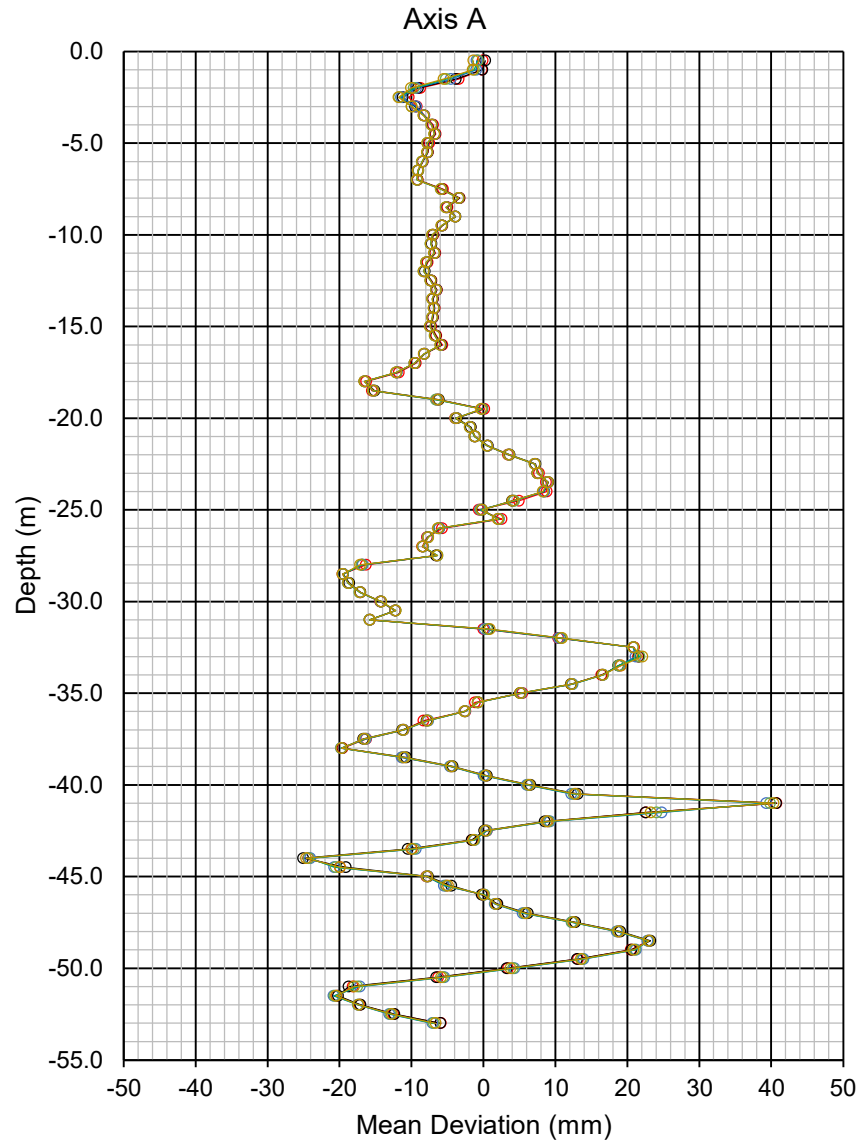
APPENDIX F

VIBRATING WIRE PIEZOMETER DATA

Mean Deviation

Project: Cantung Mine Site Monitoring
 Project No.: ENG.WARC04142-02
 Client: NATCL
 Location: TSF 3 Dam Crest
 Baseline Reading: 2021-04-06

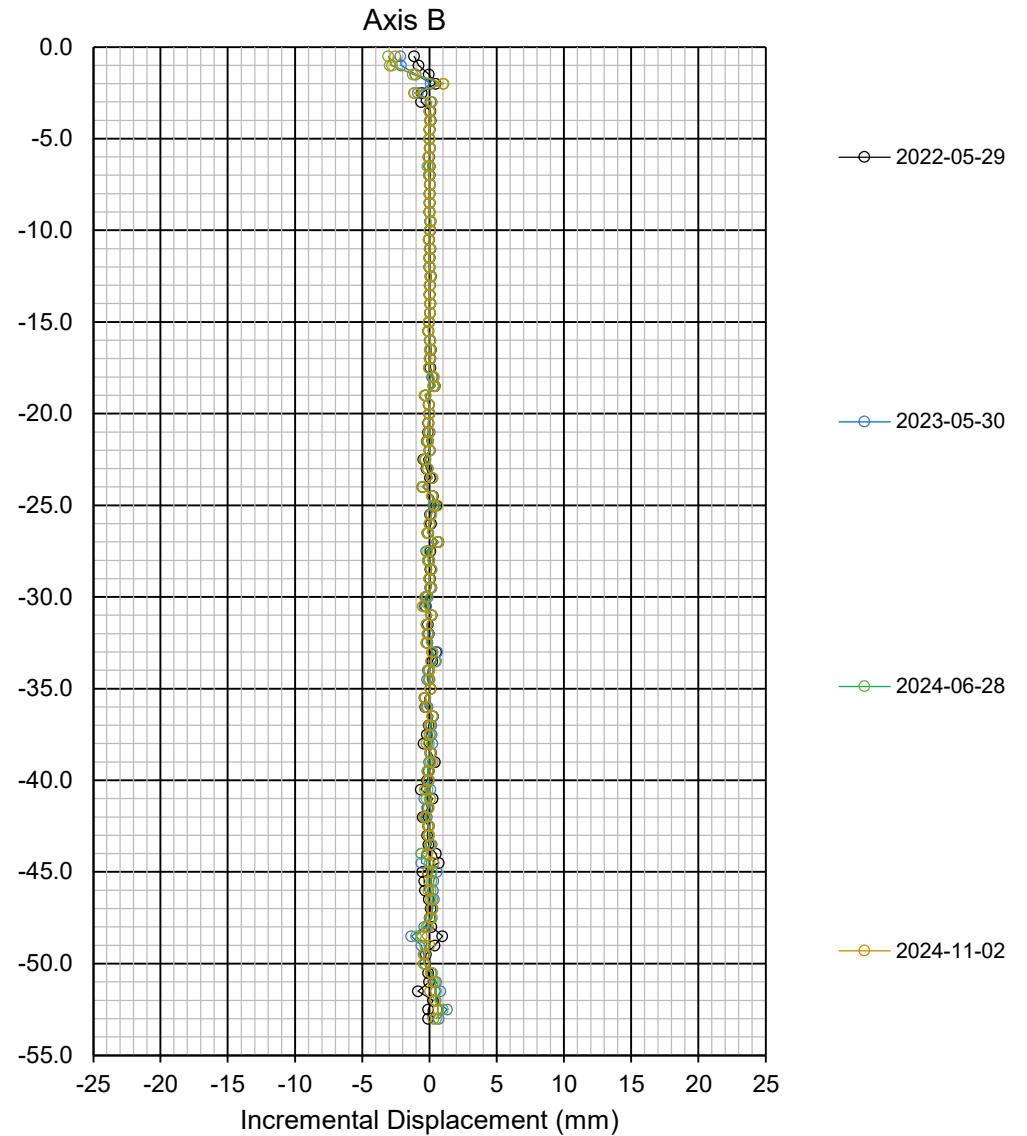
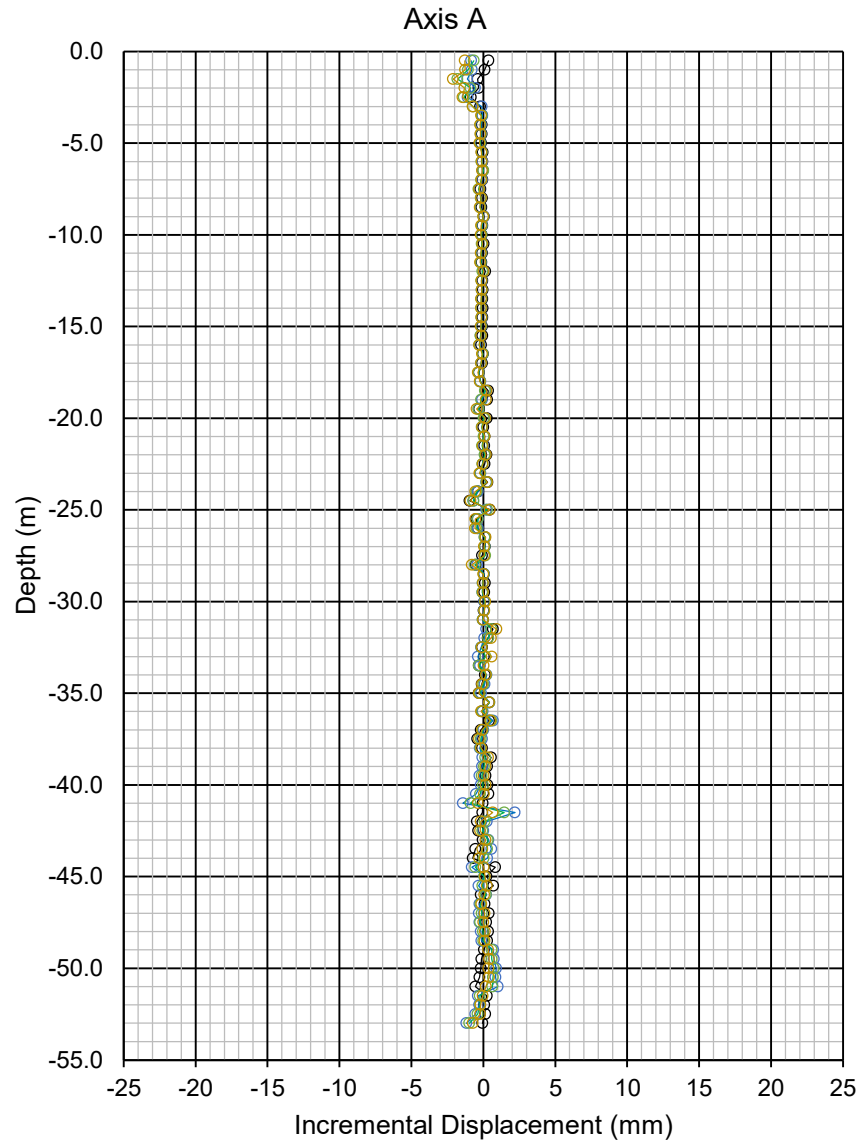
Instrument ID: GH11-01
 Coordinates: --
 Top Cap Elevation: --
 Stickup: --
 Bottom Depth: 53.0 m



Incremental Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 3 Dam Crest
Baseline Reading: 2021-04-06

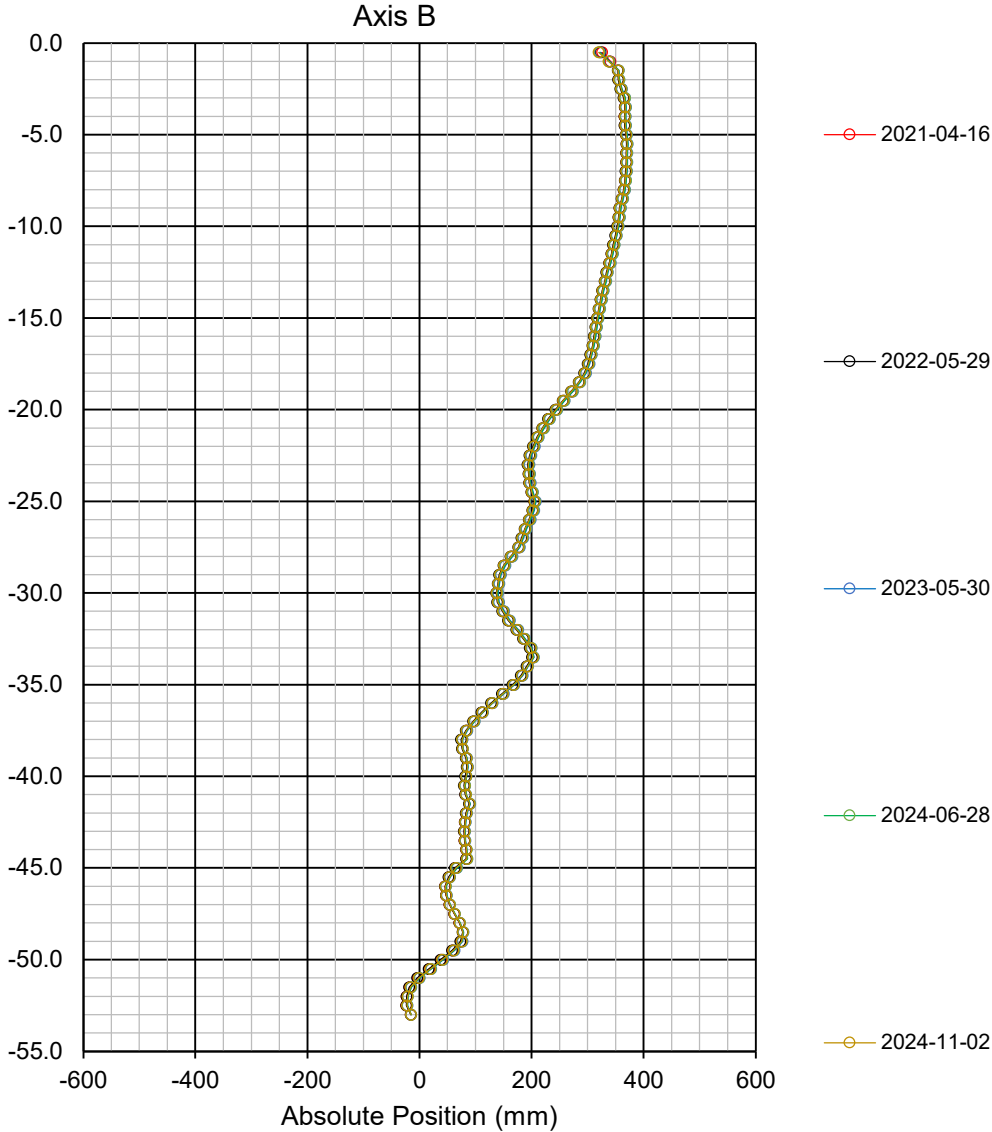
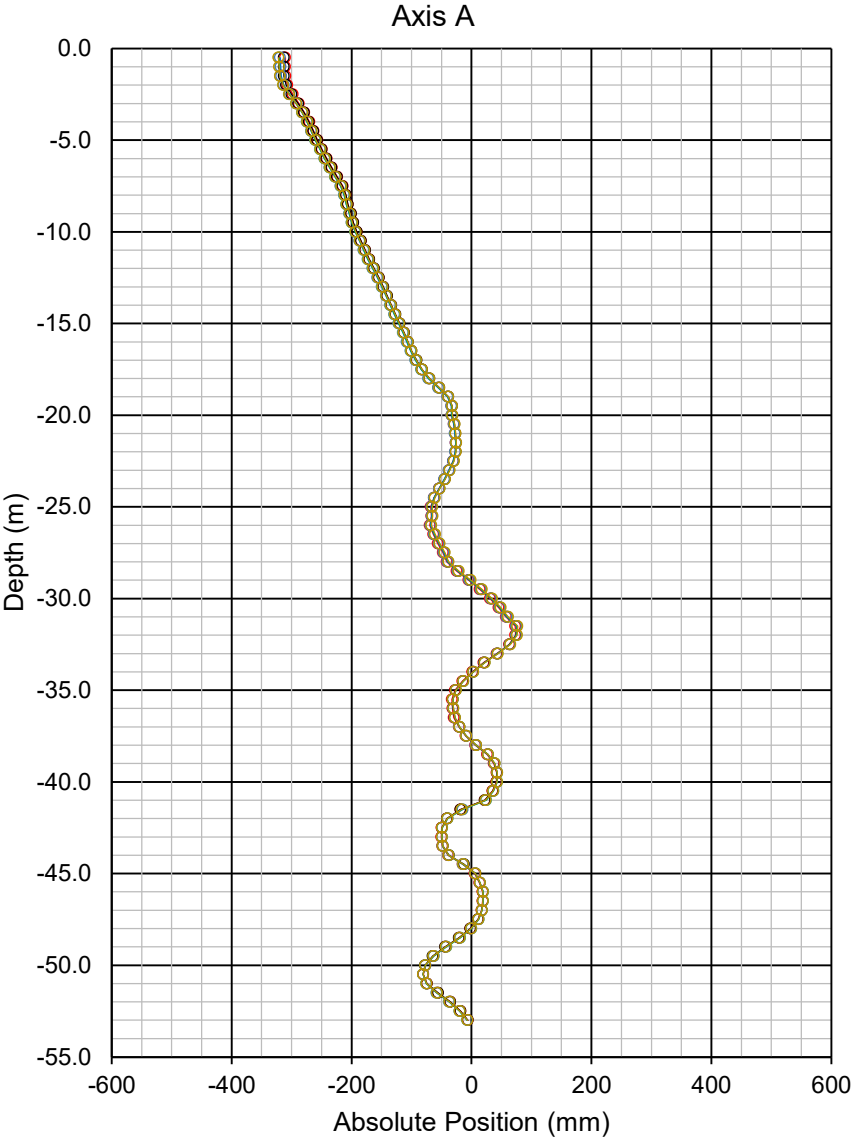
Instrument ID: GH11-01
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 53.0 m



Absolute Position

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 3 Dam Crest
Baseline Reading: 2021-04-06

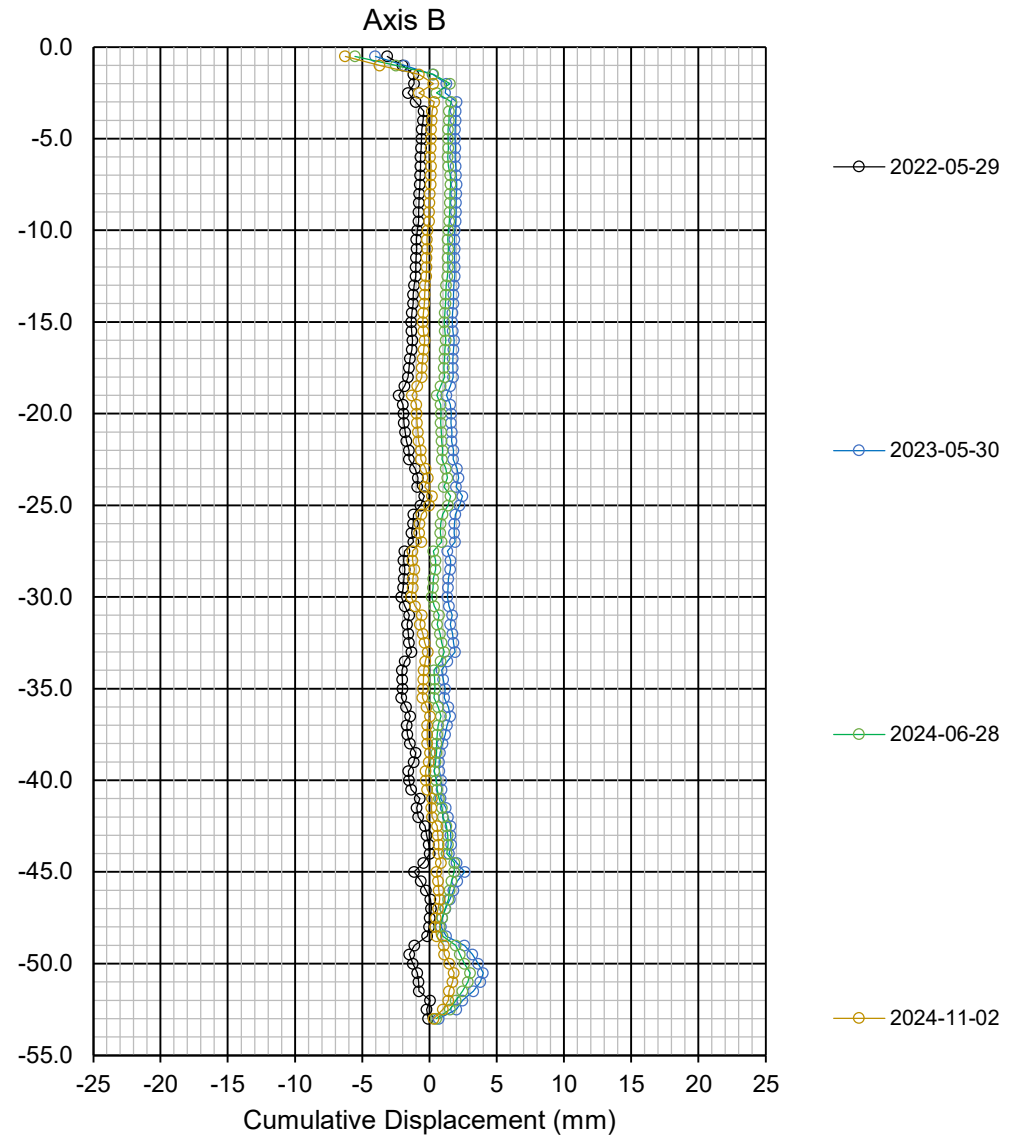
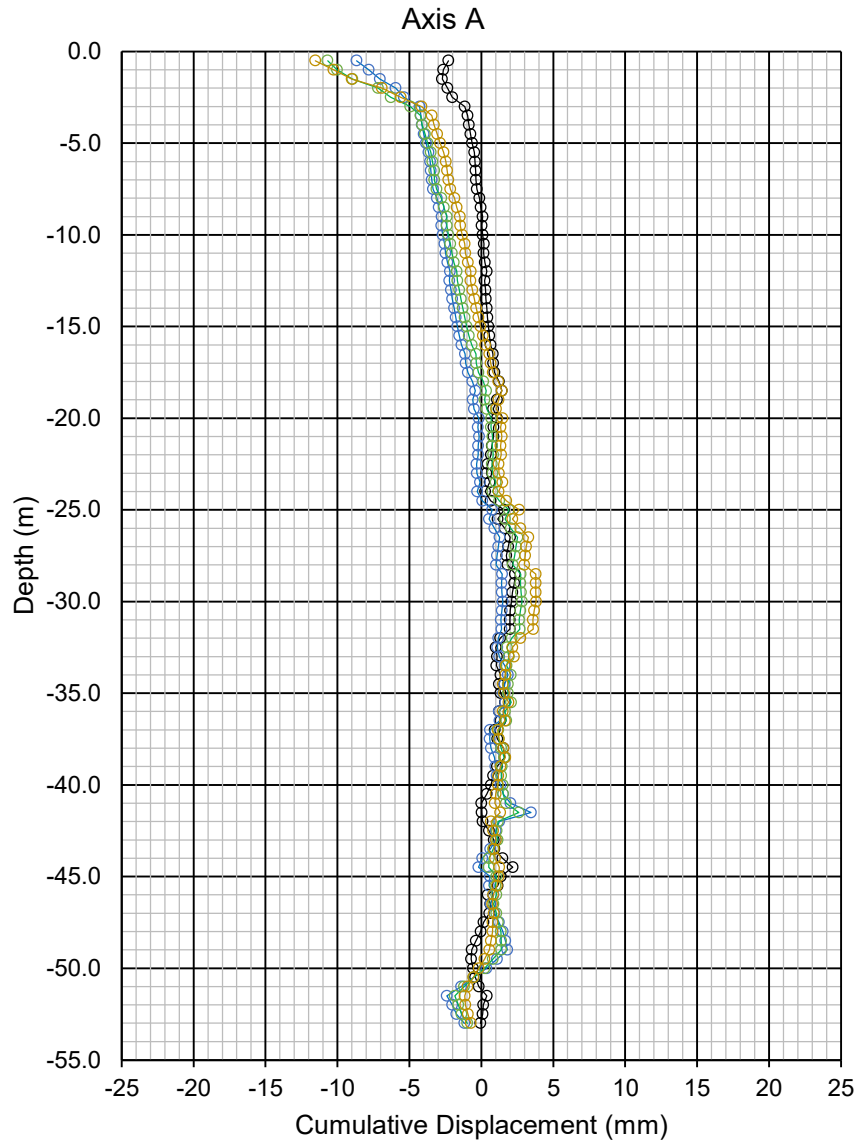
Instrument ID: GH11-01
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 53.0 m



Cumulative Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 3 Dam Crest
Baseline Reading: 2021-04-06

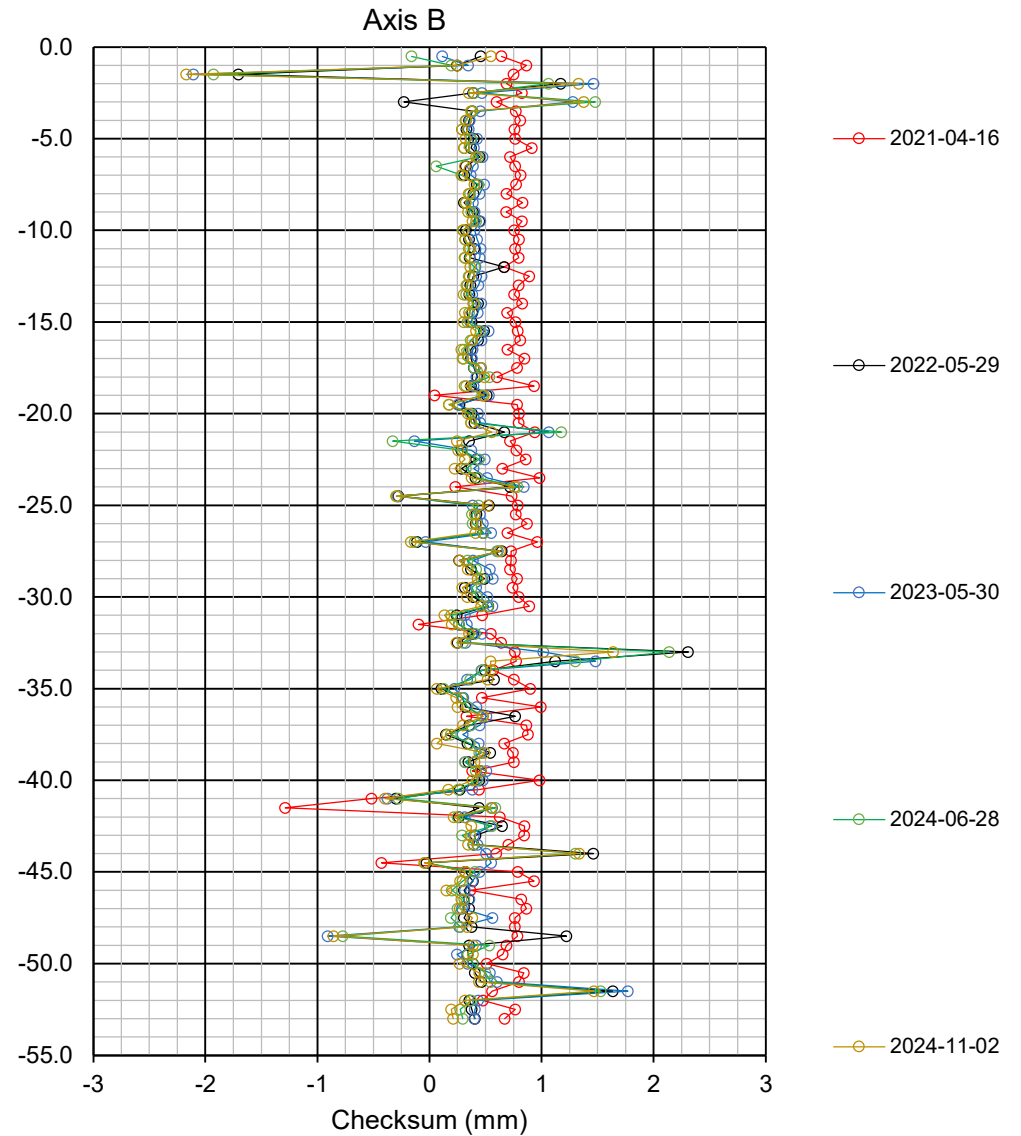
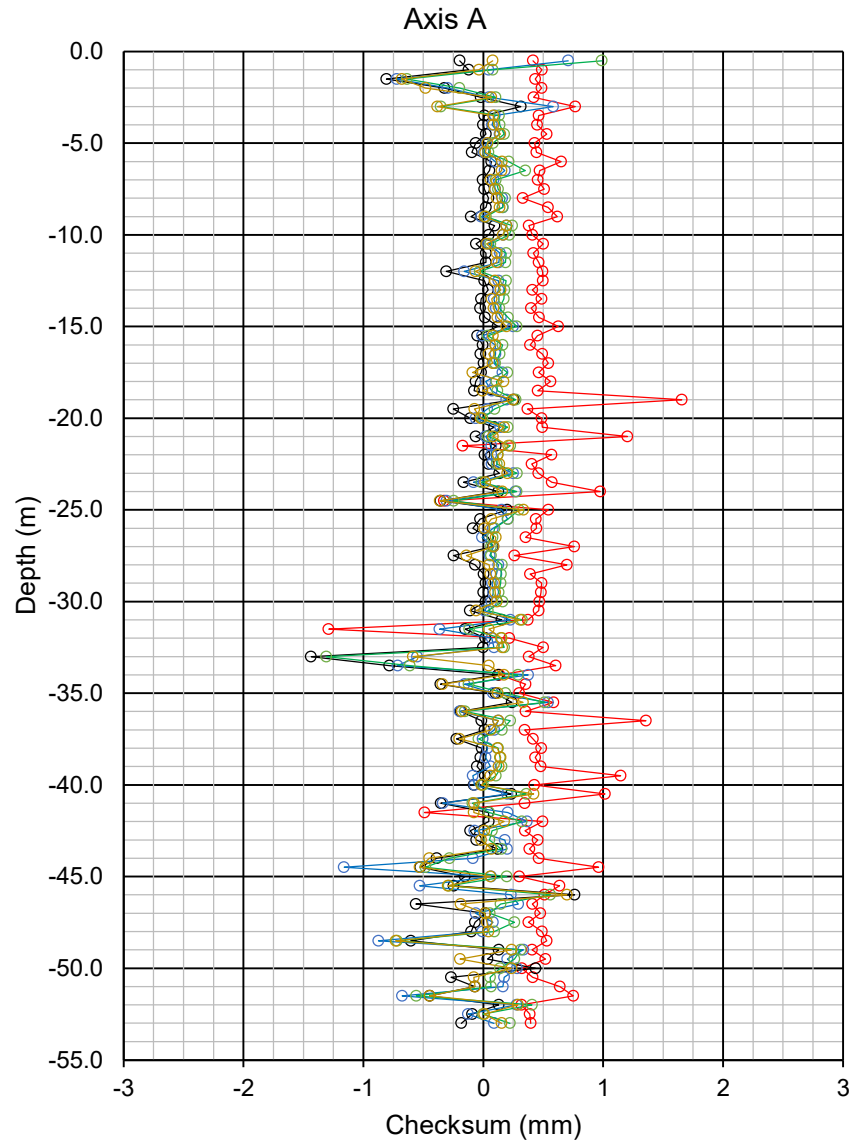
Instrument ID: GH11-01
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 53.0 m



Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 3 Dam Crest
Baseline Reading: 2021-04-06

Checksum

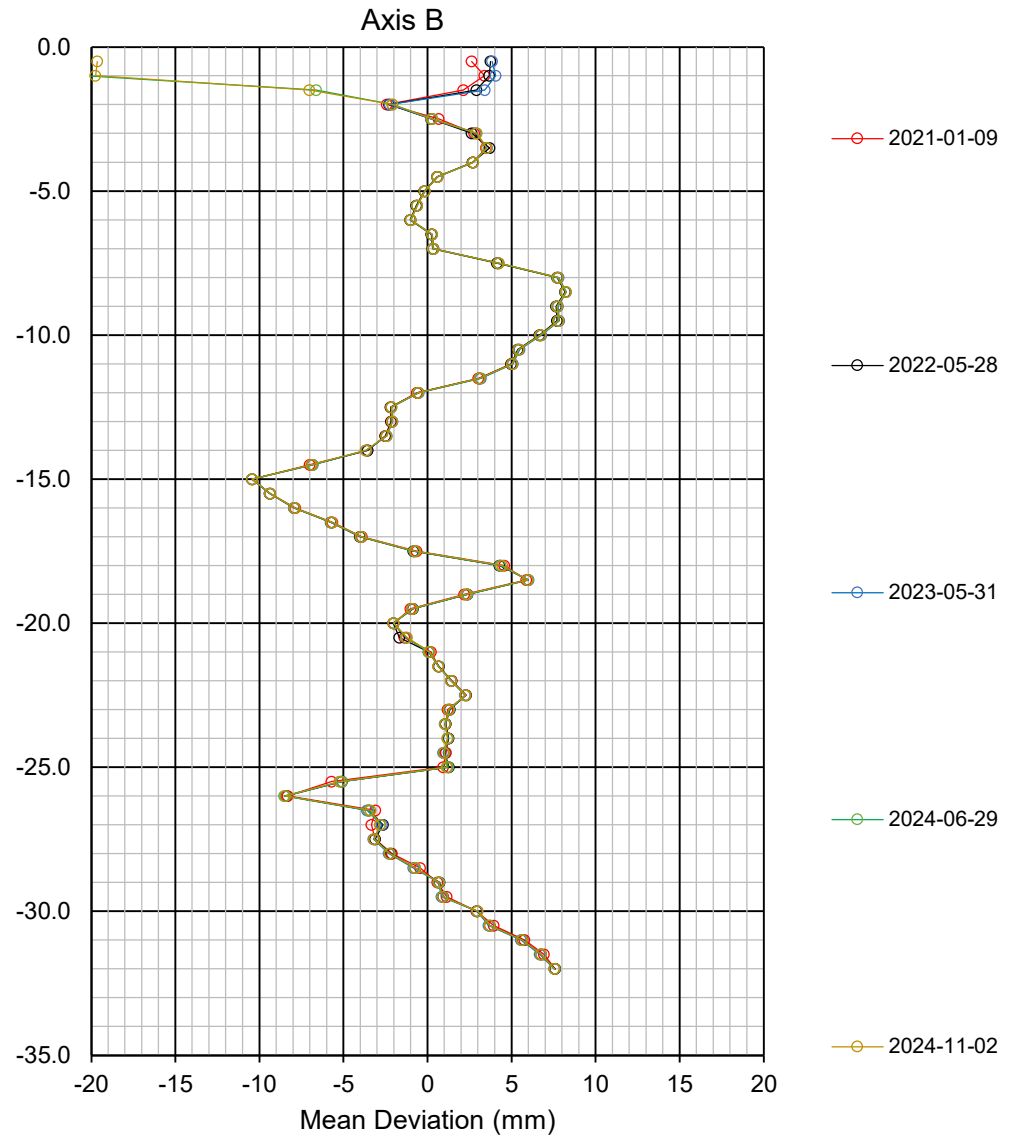
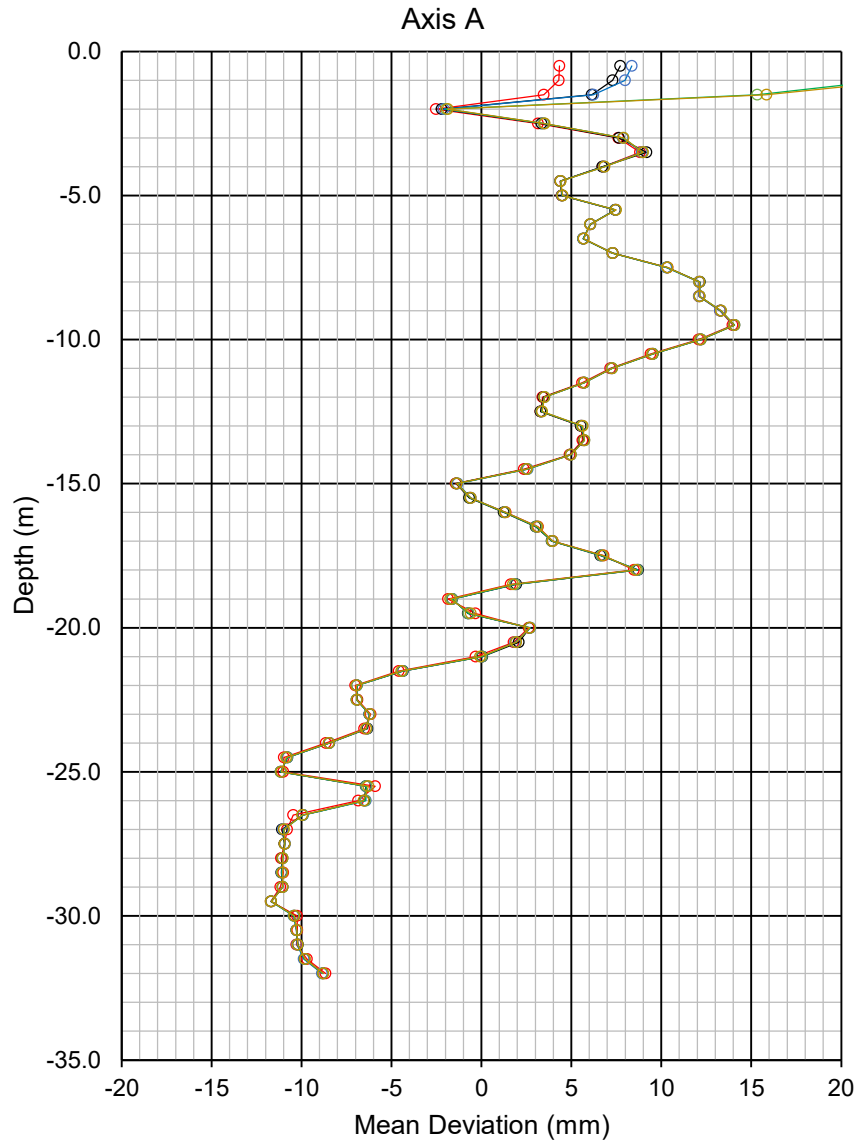
Instrument ID: GH11-01
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 53.0 m



Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 4 Dam Crest
Baseline Reading: 2021-01-09

Instrument ID: GH11-05
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 32.0 m

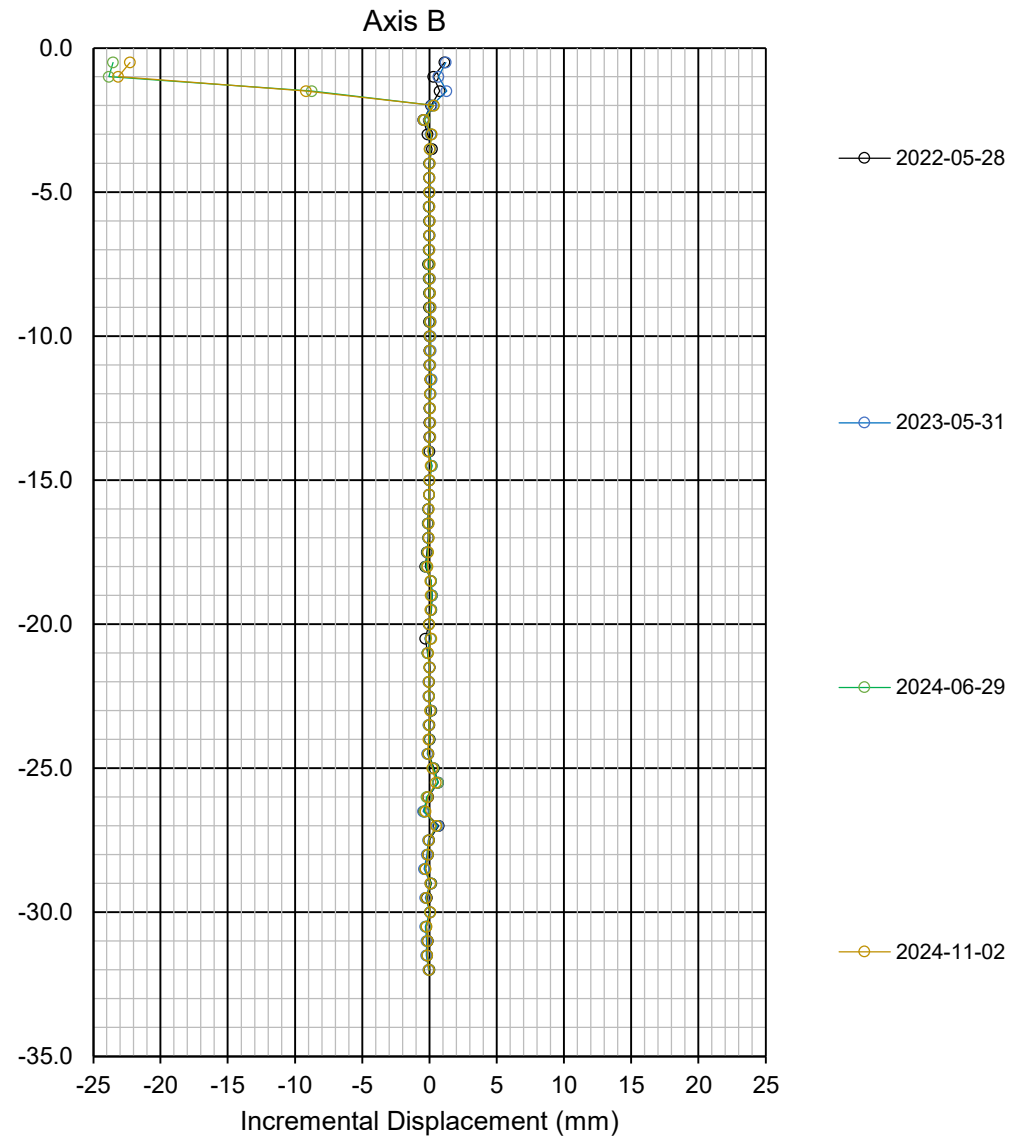
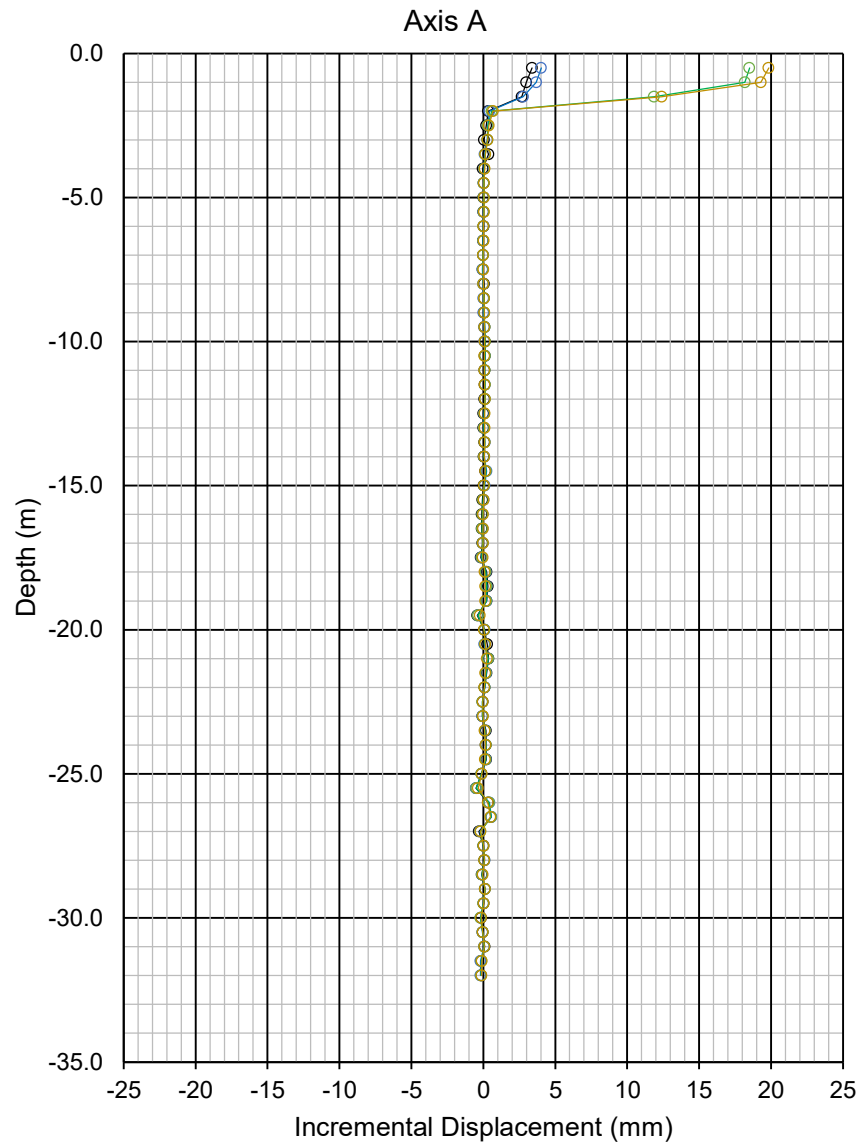
Mean Deviation



Incremental Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 4 Dam Crest
Baseline Reading: 2021-01-09

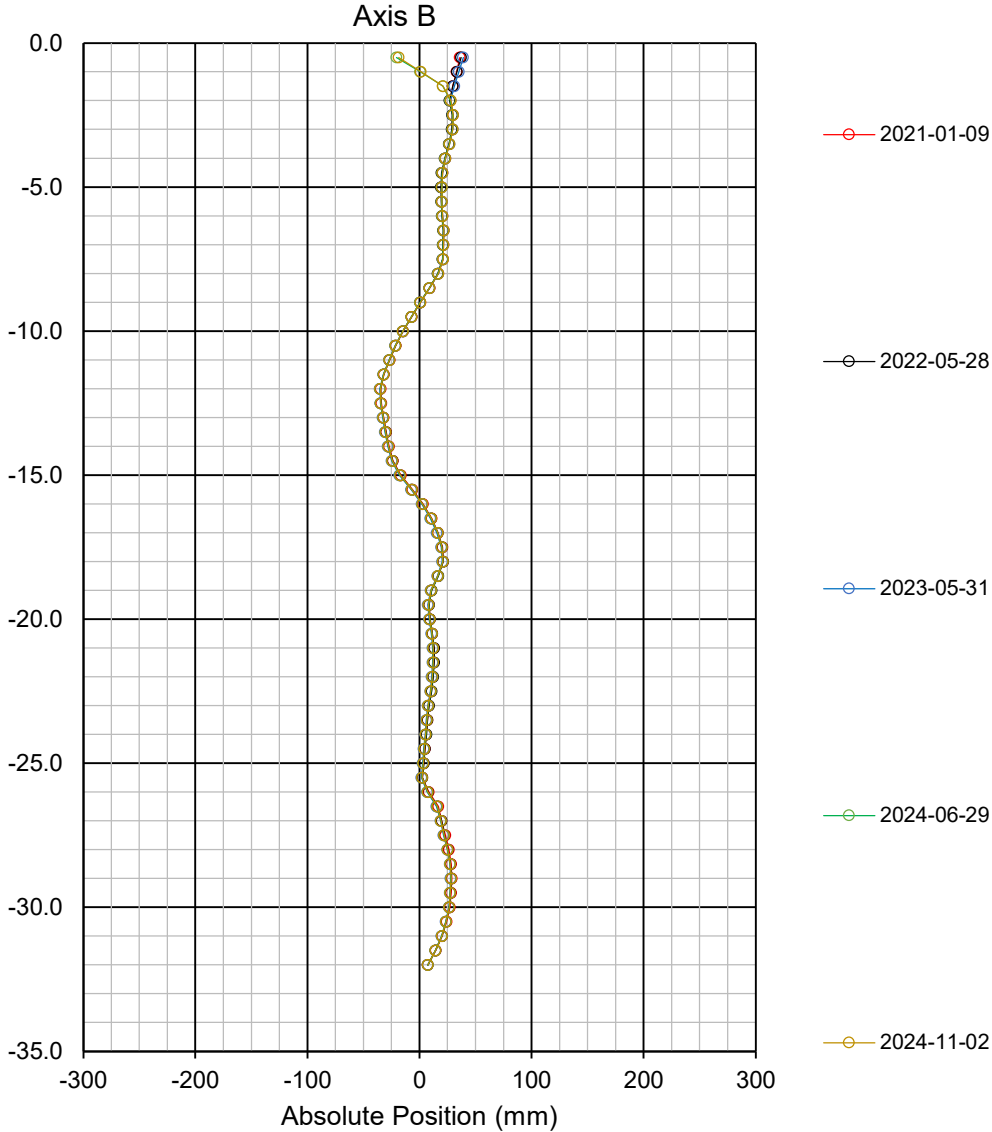
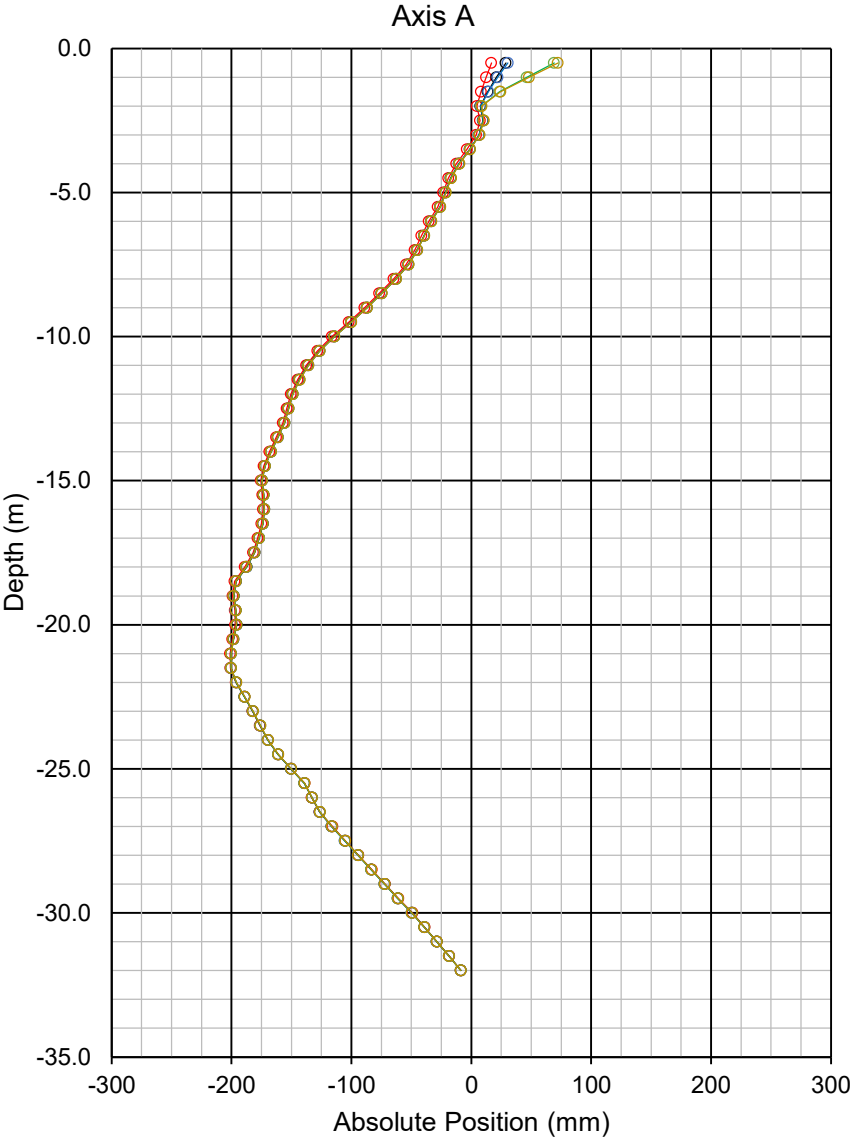
Instrument ID: GH11-05
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 32.0 m



Absolute Position

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 4 Dam Crest
Baseline Reading: 2021-01-09

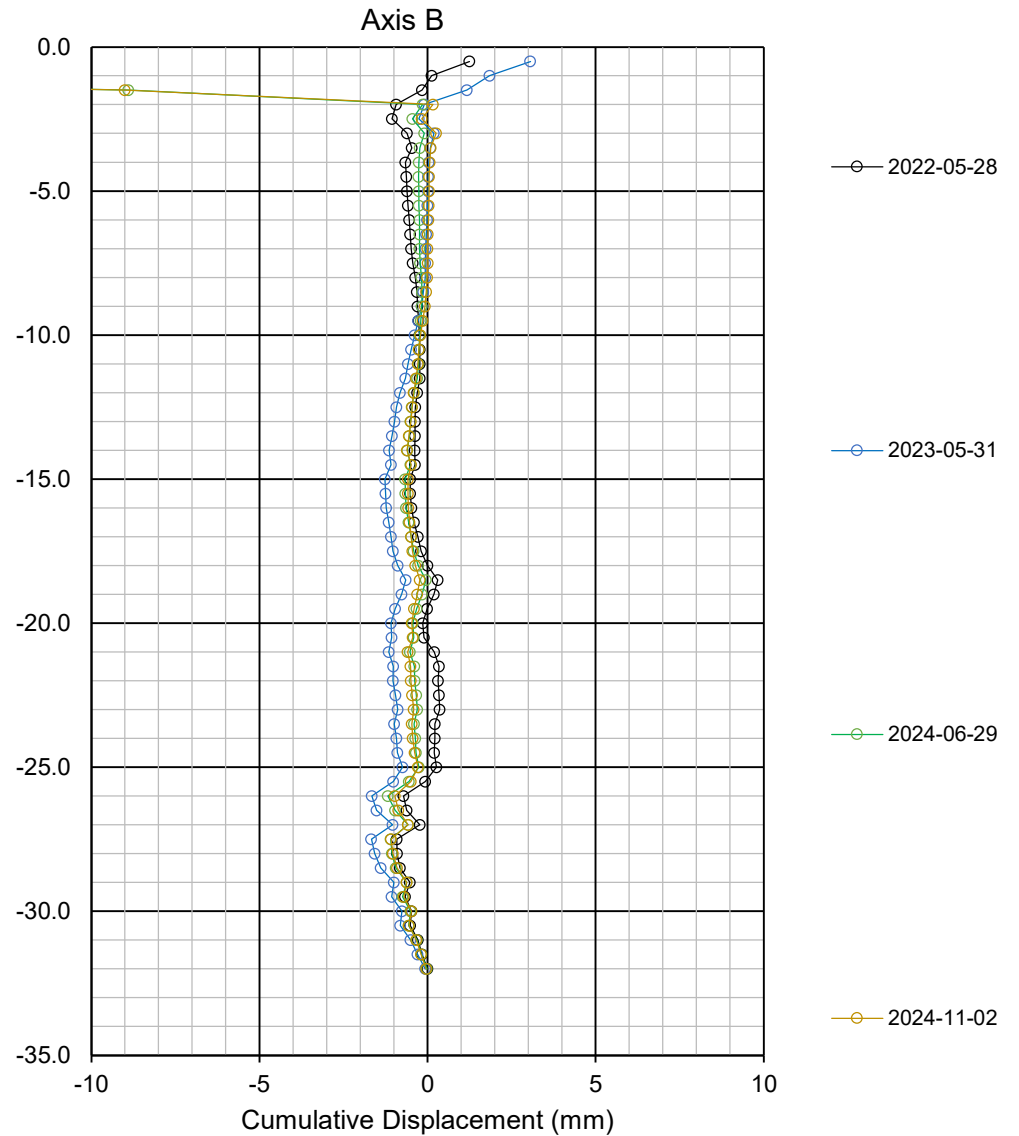
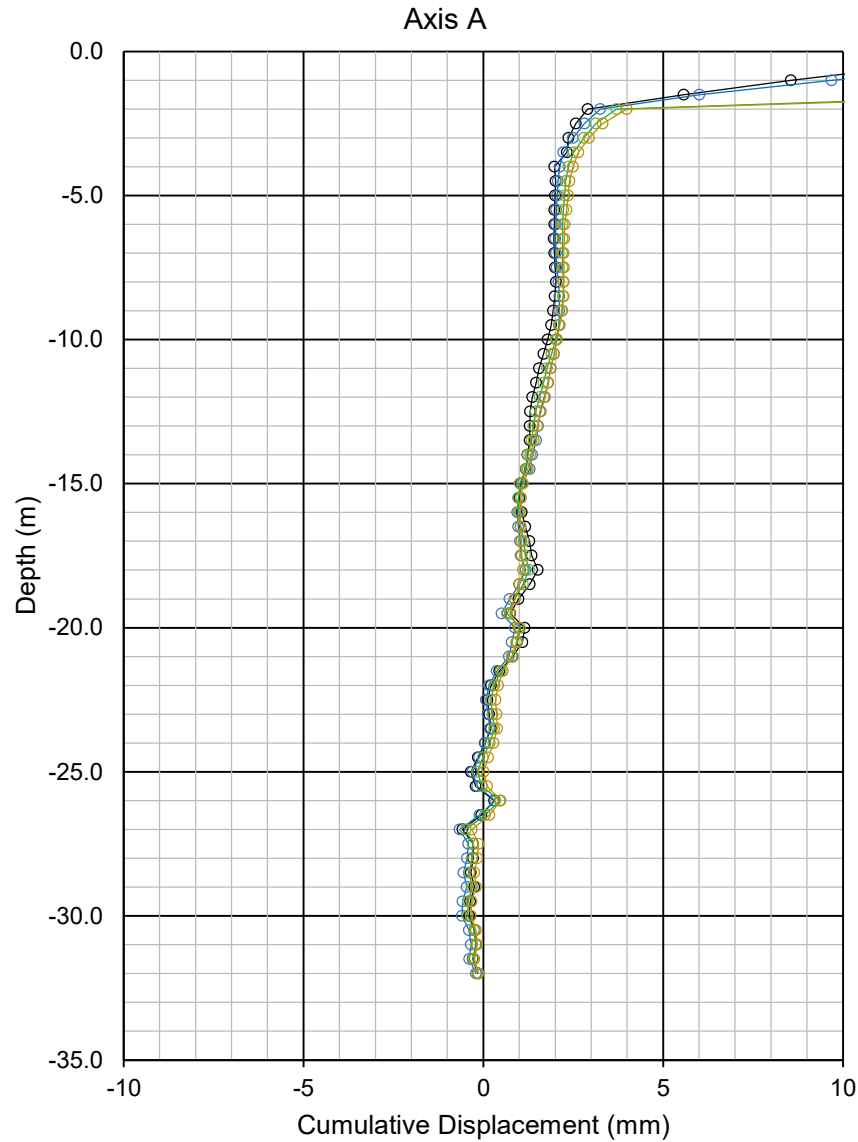
Instrument ID: GH11-05
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 32.0 m



Cumulative Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 4 Dam Crest
Baseline Reading: 2021-01-09

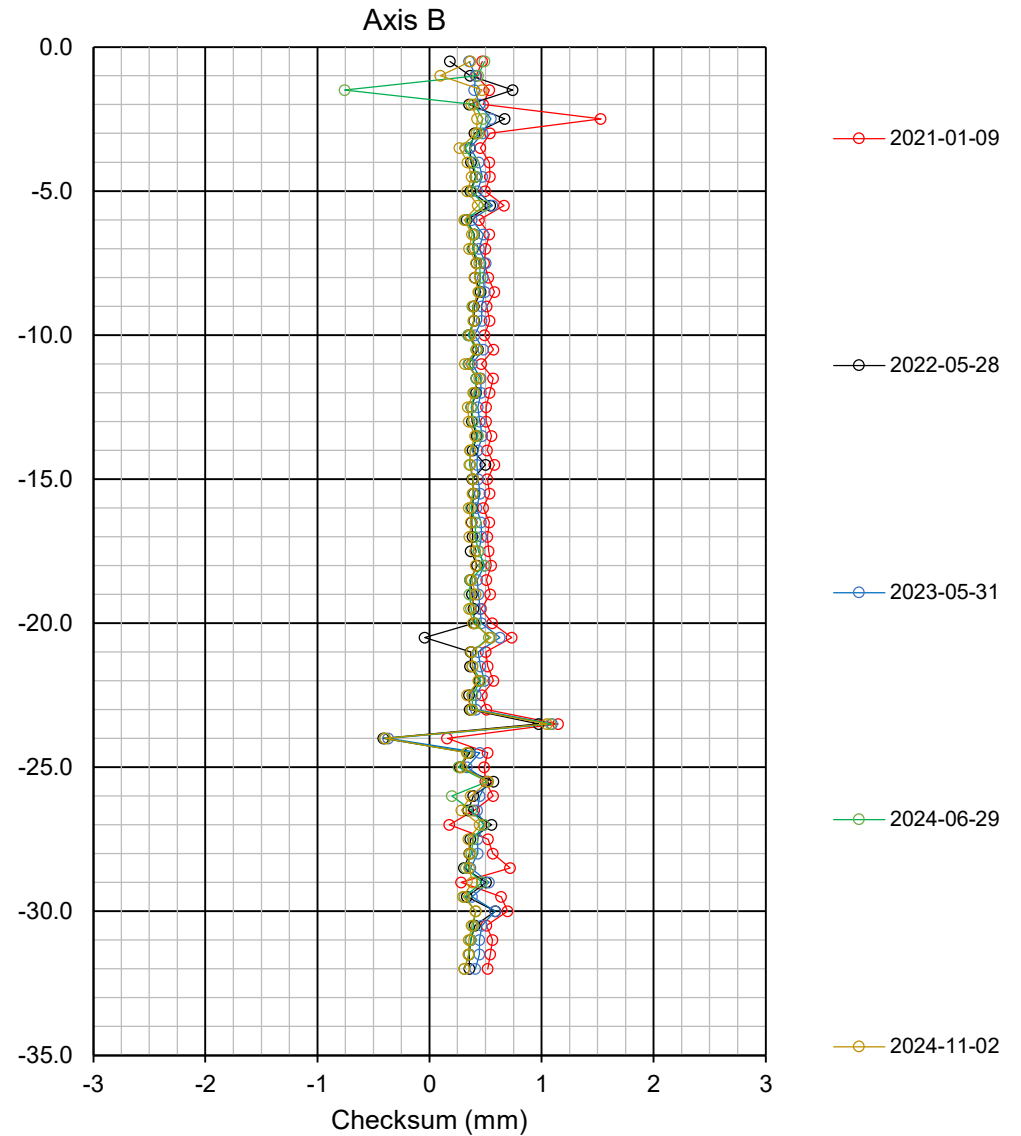
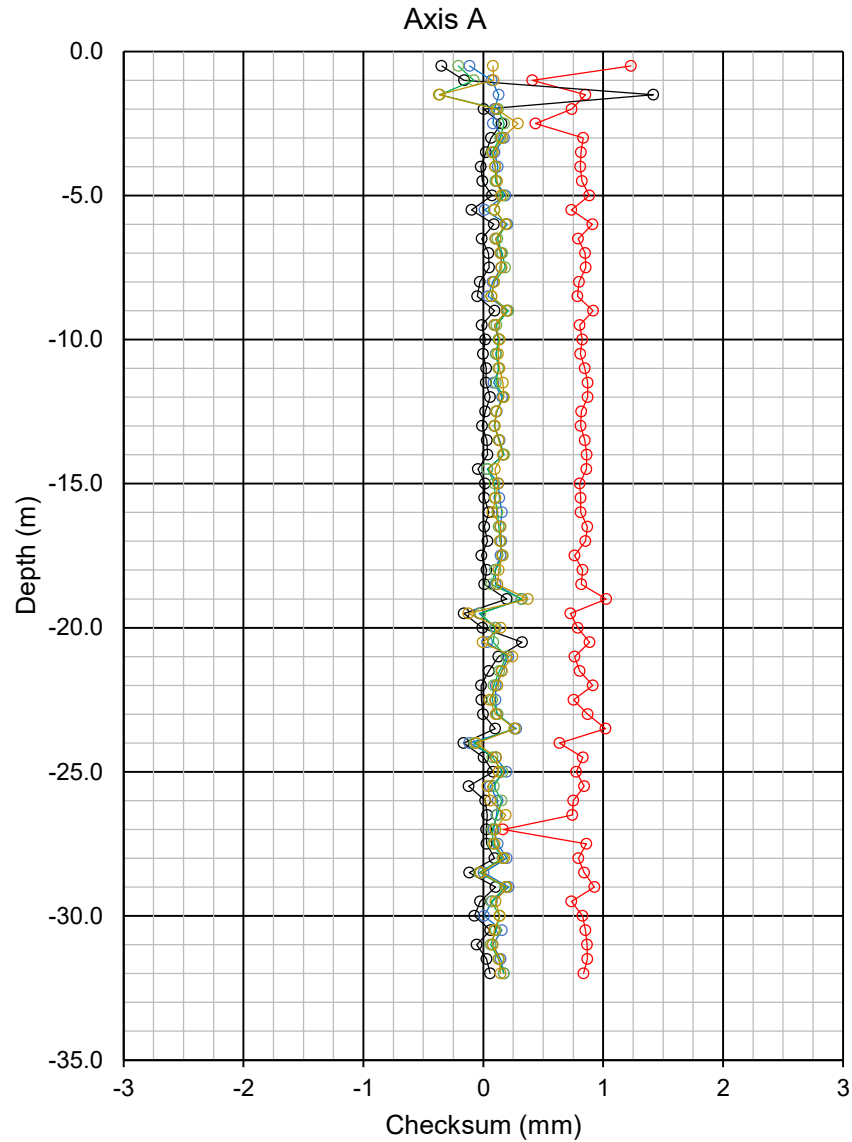
Instrument ID: GH11-05
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 32.0 m



Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 4 Dam Crest
Baseline Reading: 2021-01-09

Checksum

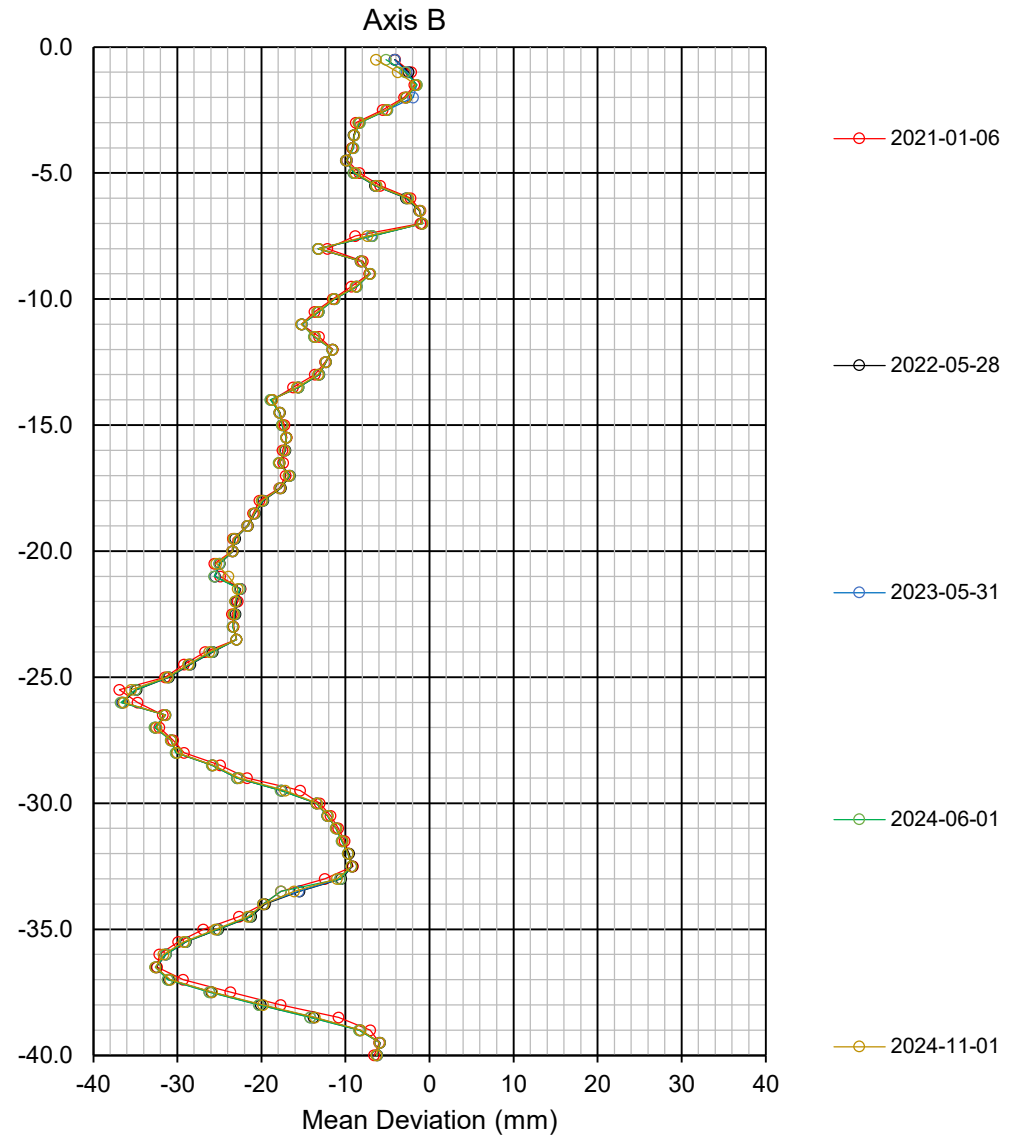
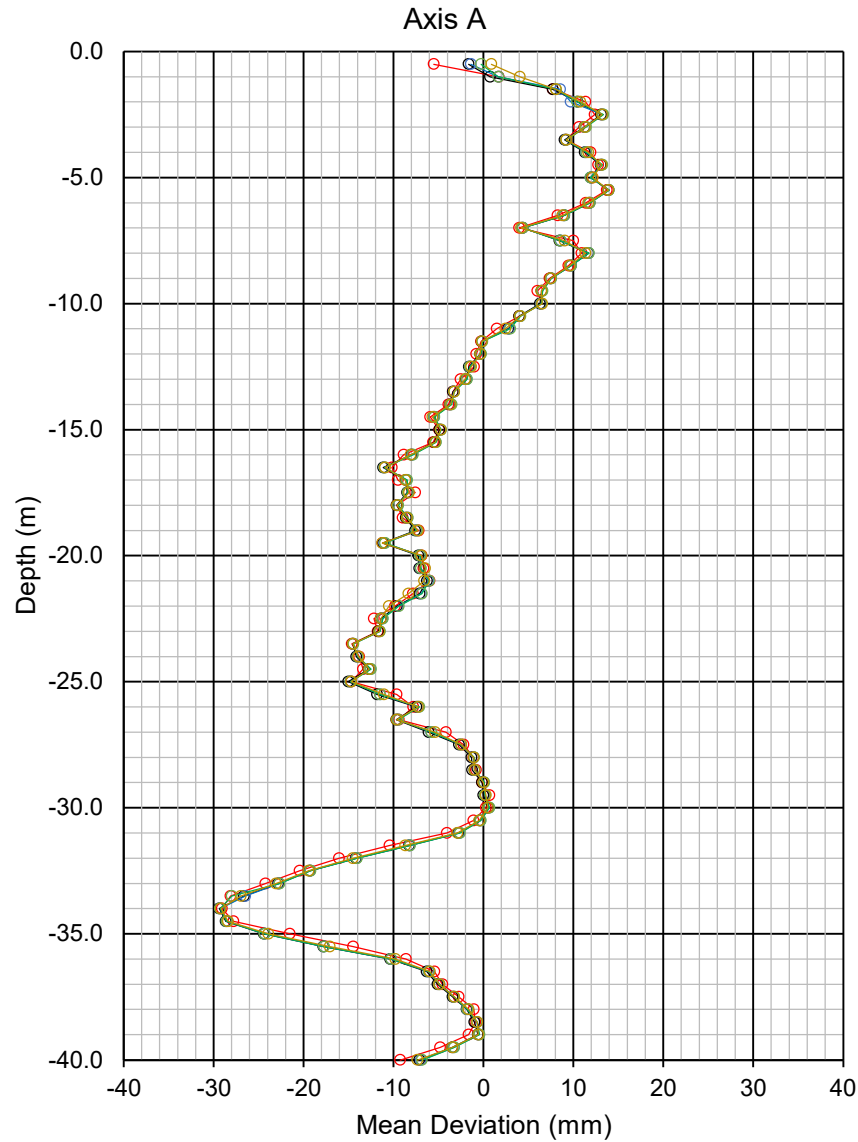
Instrument ID: GH11-05
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 32.0 m



Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 4 Dam Toe
Baseline Reading: 2021-01-06

Instrument ID: GH11-07
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 40.0 m

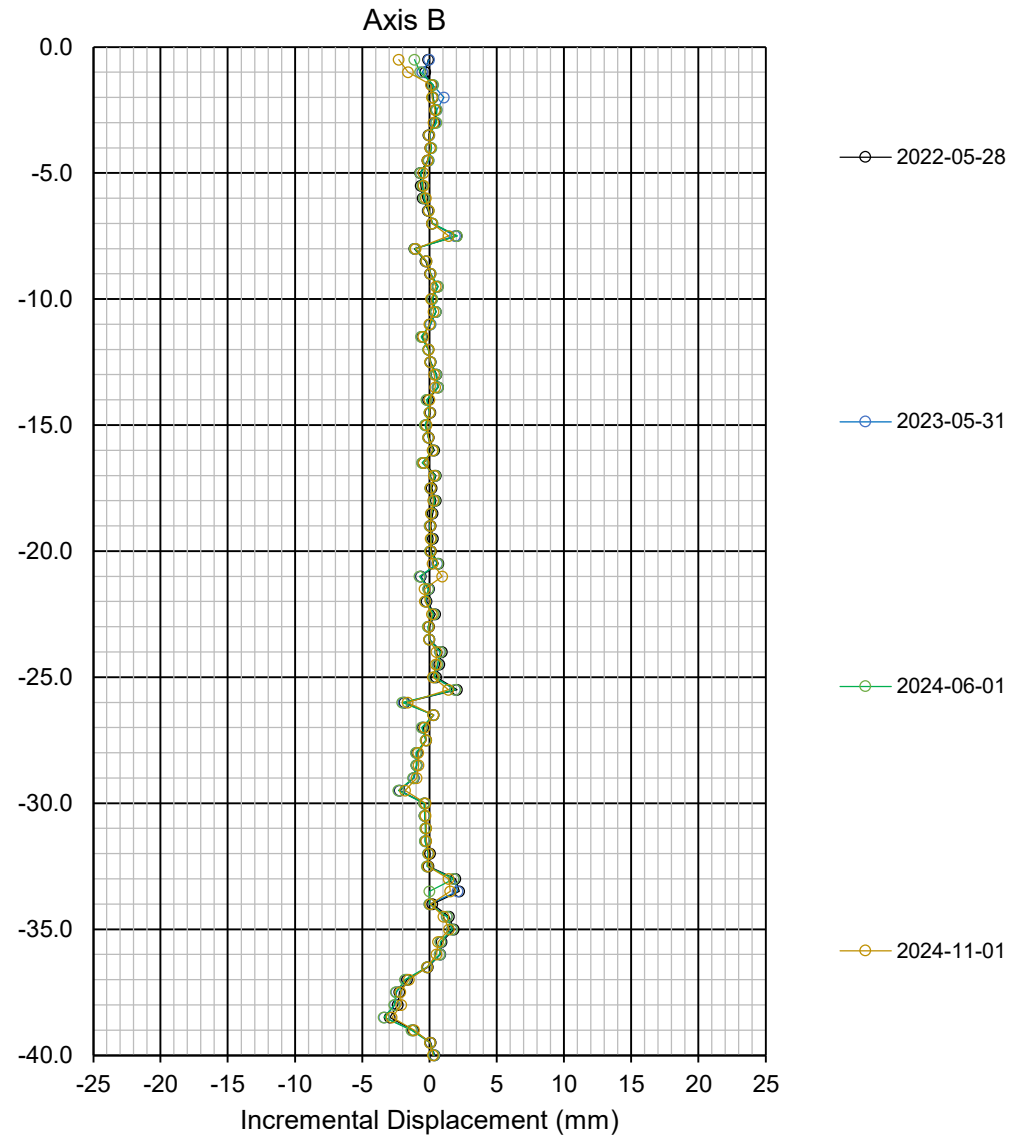
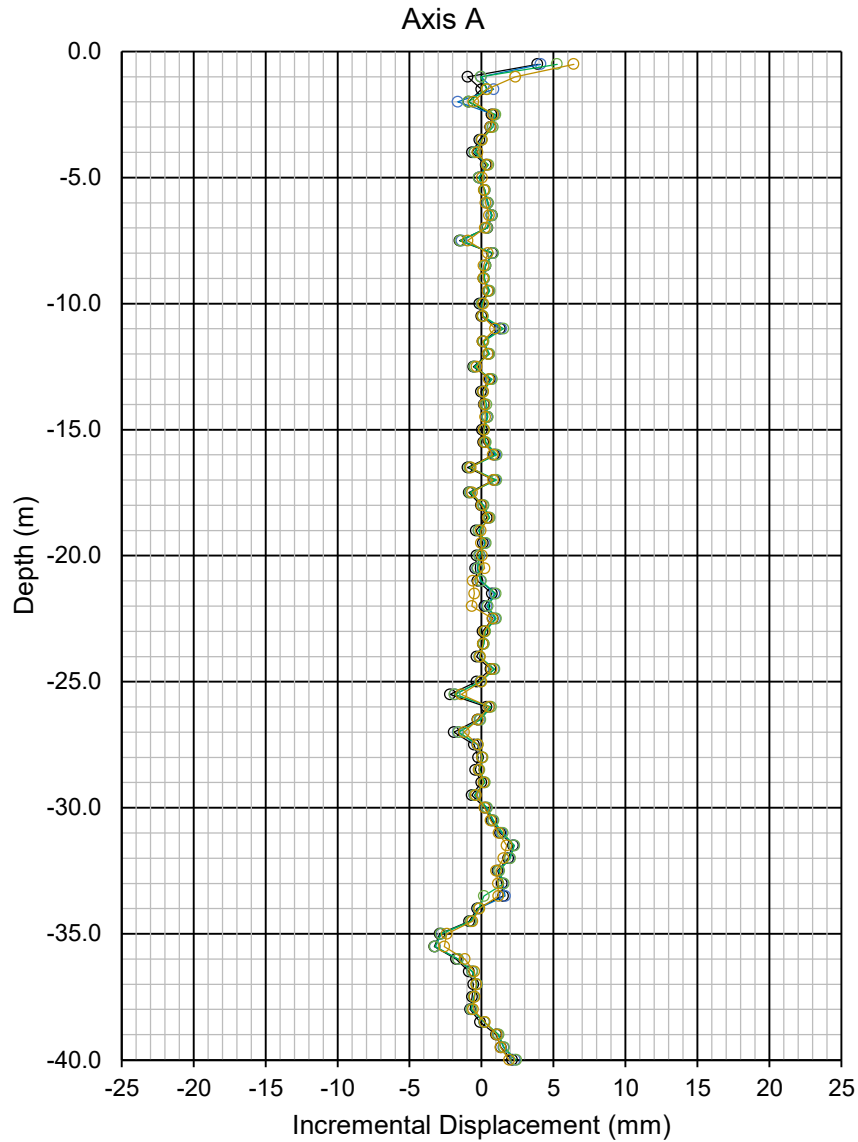
Mean Deviation



Incremental Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 4 Dam Toe
Baseline Reading: 2021-01-06

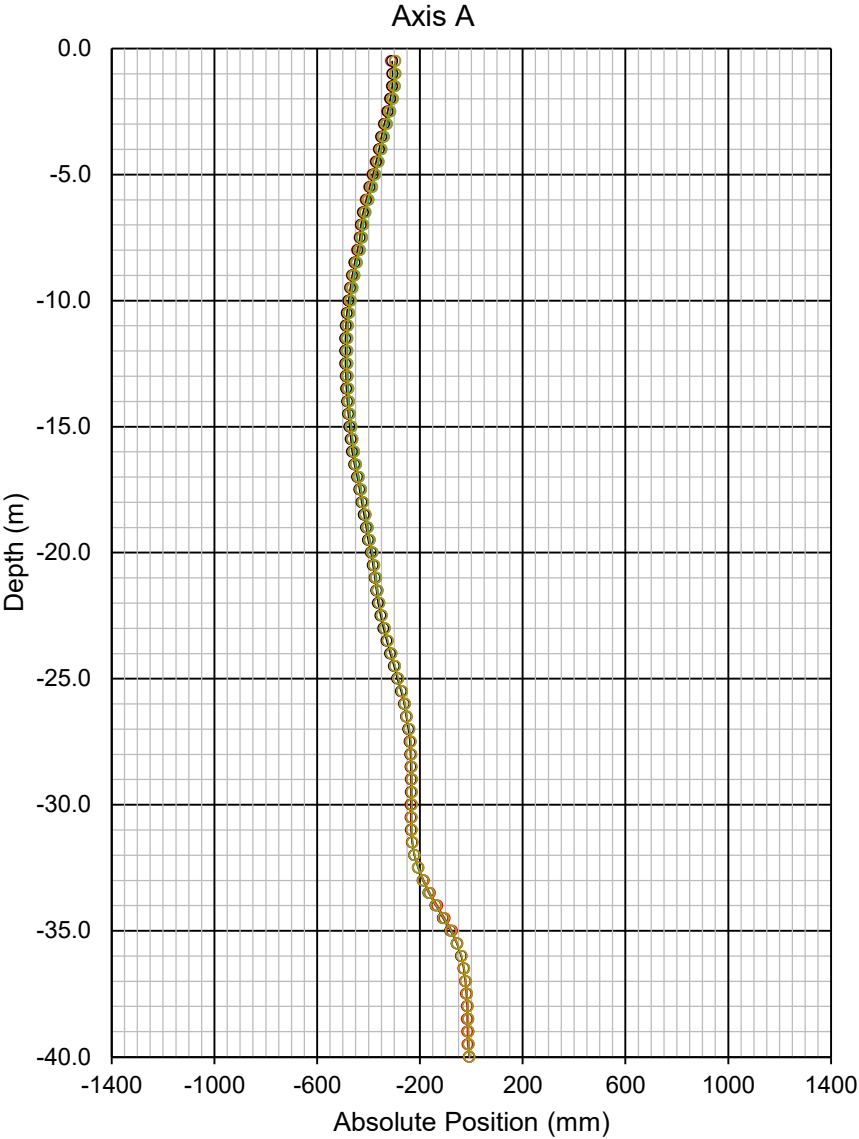
Instrument ID: GH11-07
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 40.0 m



Absolute Position

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 4 Dam Toe
Baseline Reading: 2021-01-06

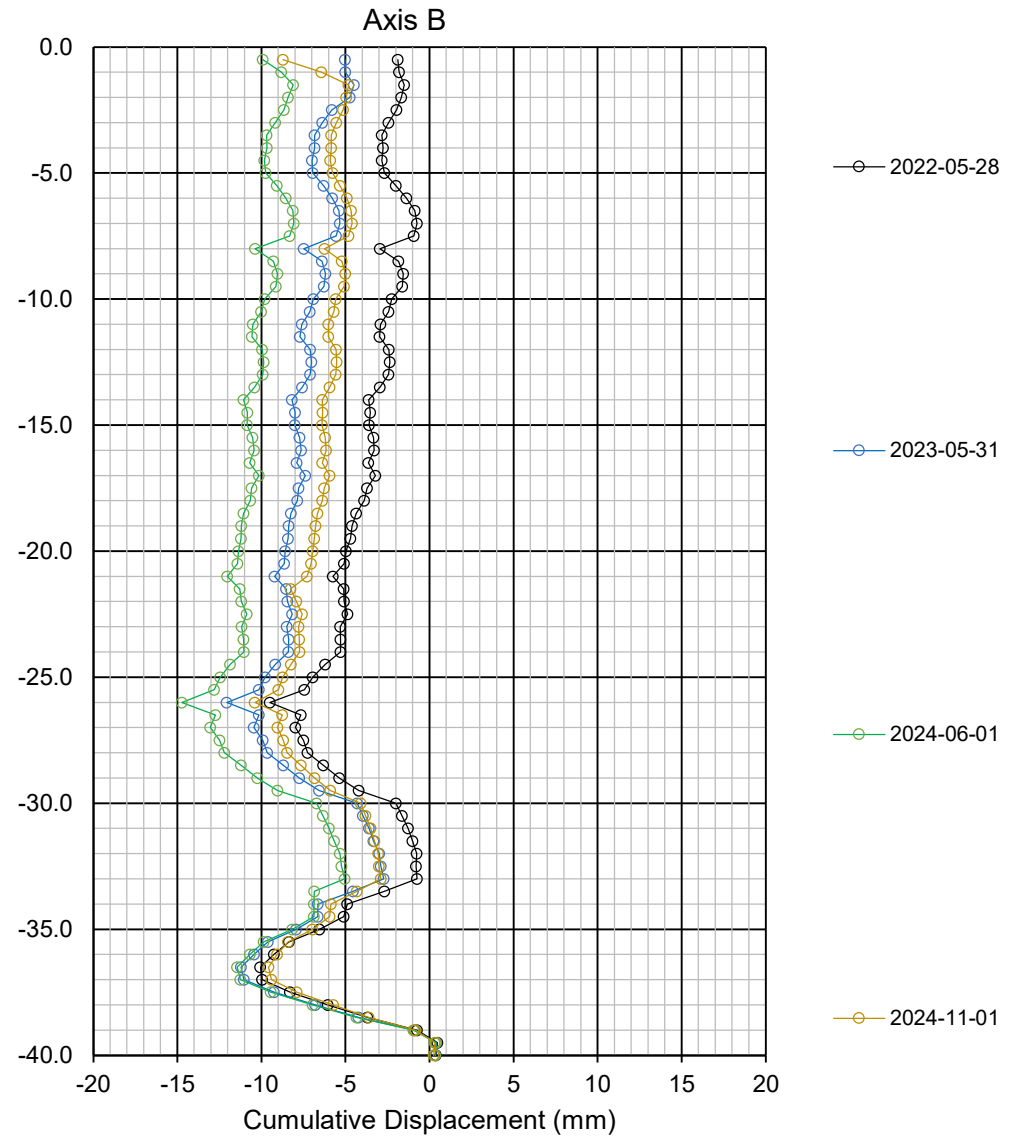
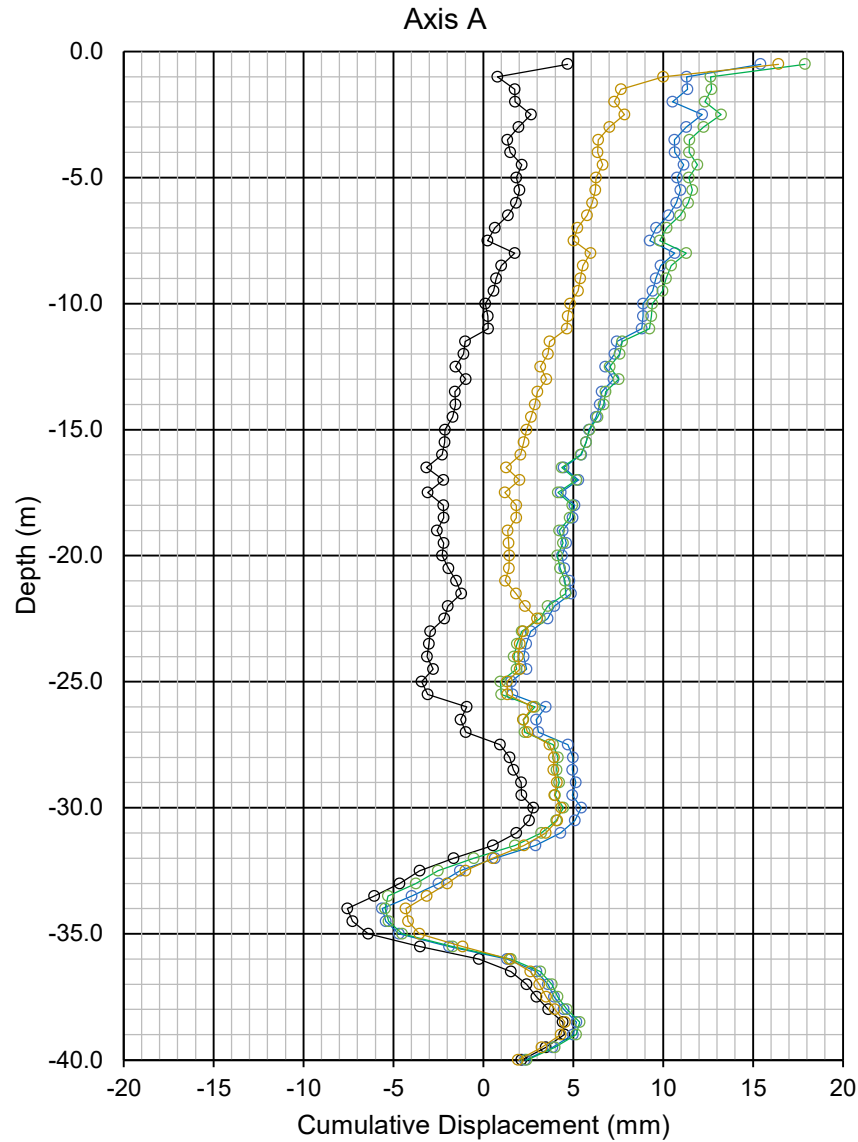
Instrument ID: GH11-07
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 40.0 m



Cumulative Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 4 Dam Toe
Baseline Reading: 2021-01-06

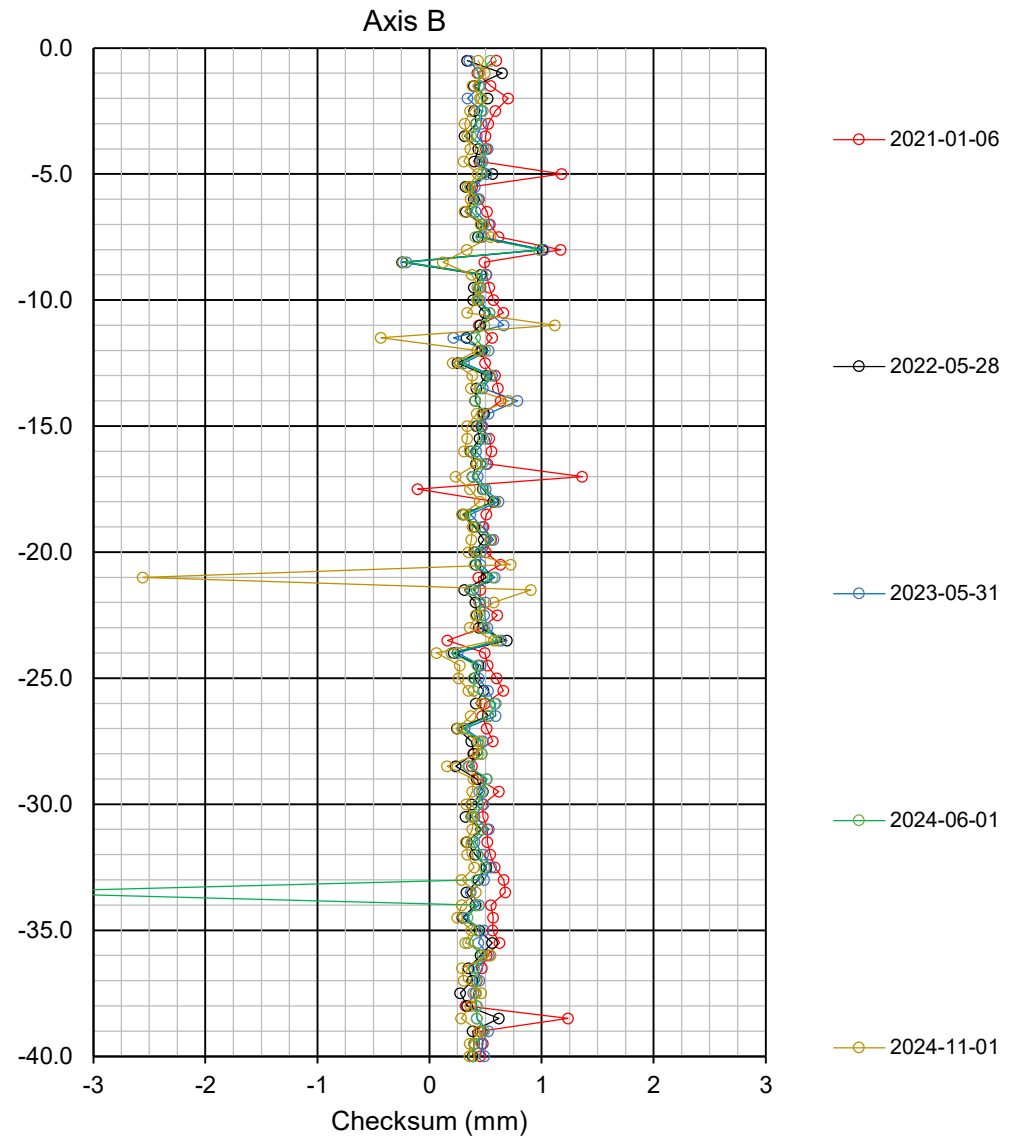
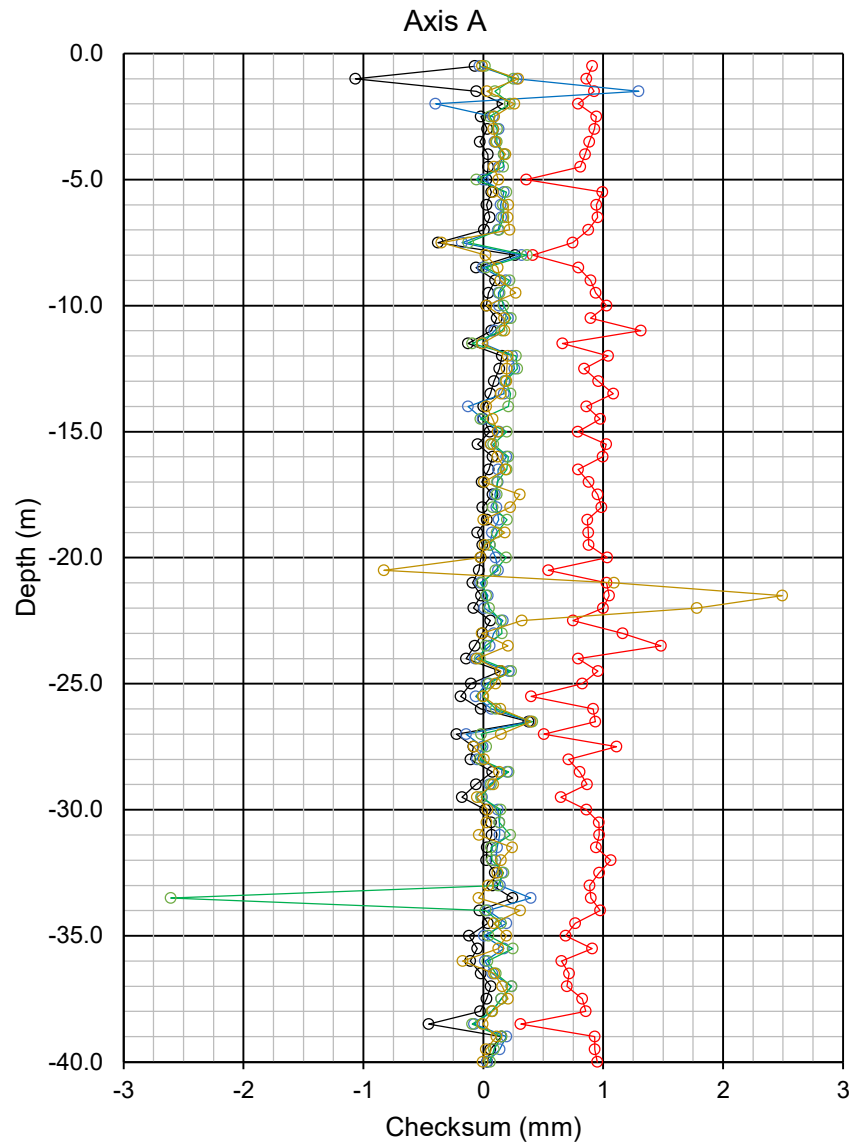
Instrument ID: GH11-07
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 40.0 m



Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 4 Dam Toe
Baseline Reading: 2021-01-06

Checksum

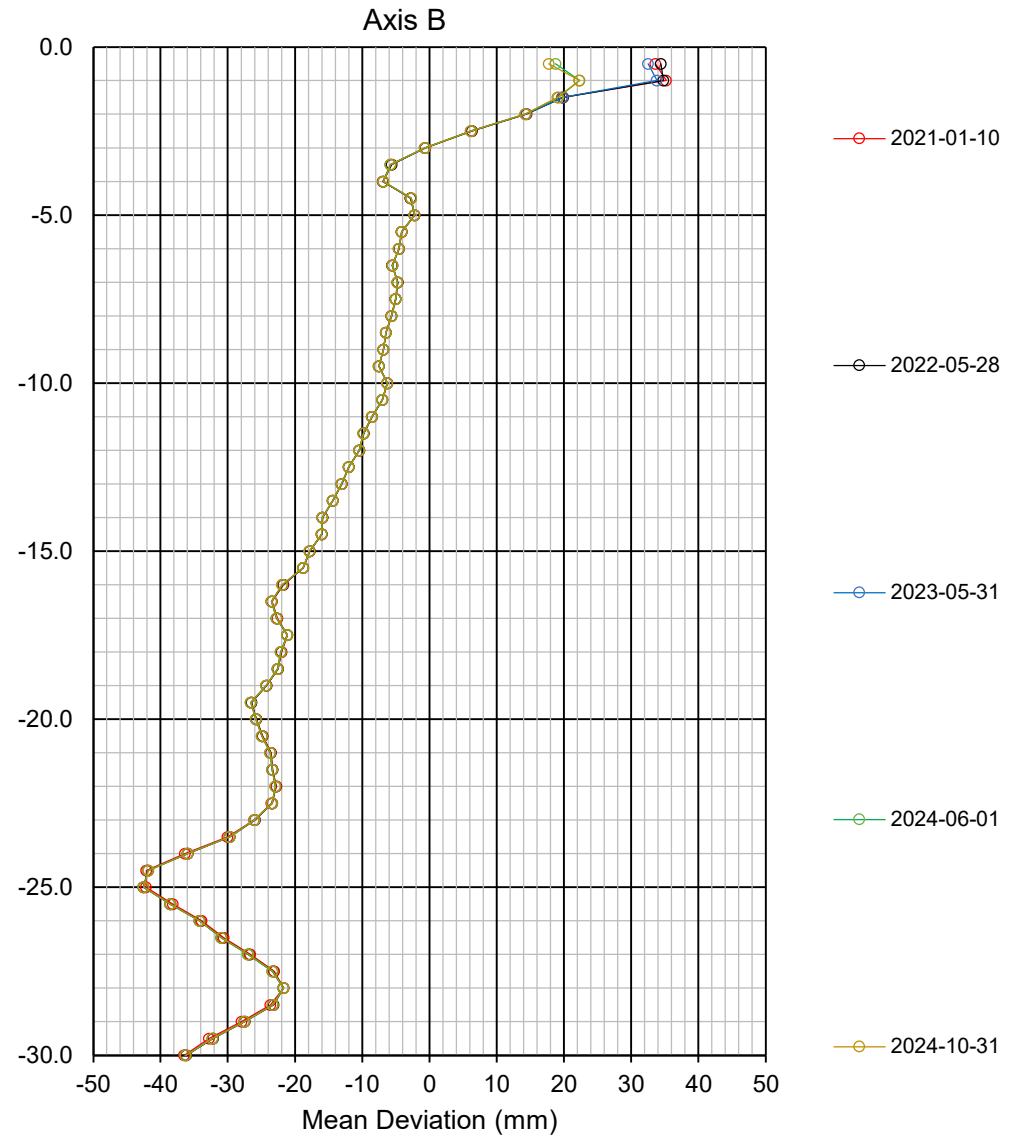
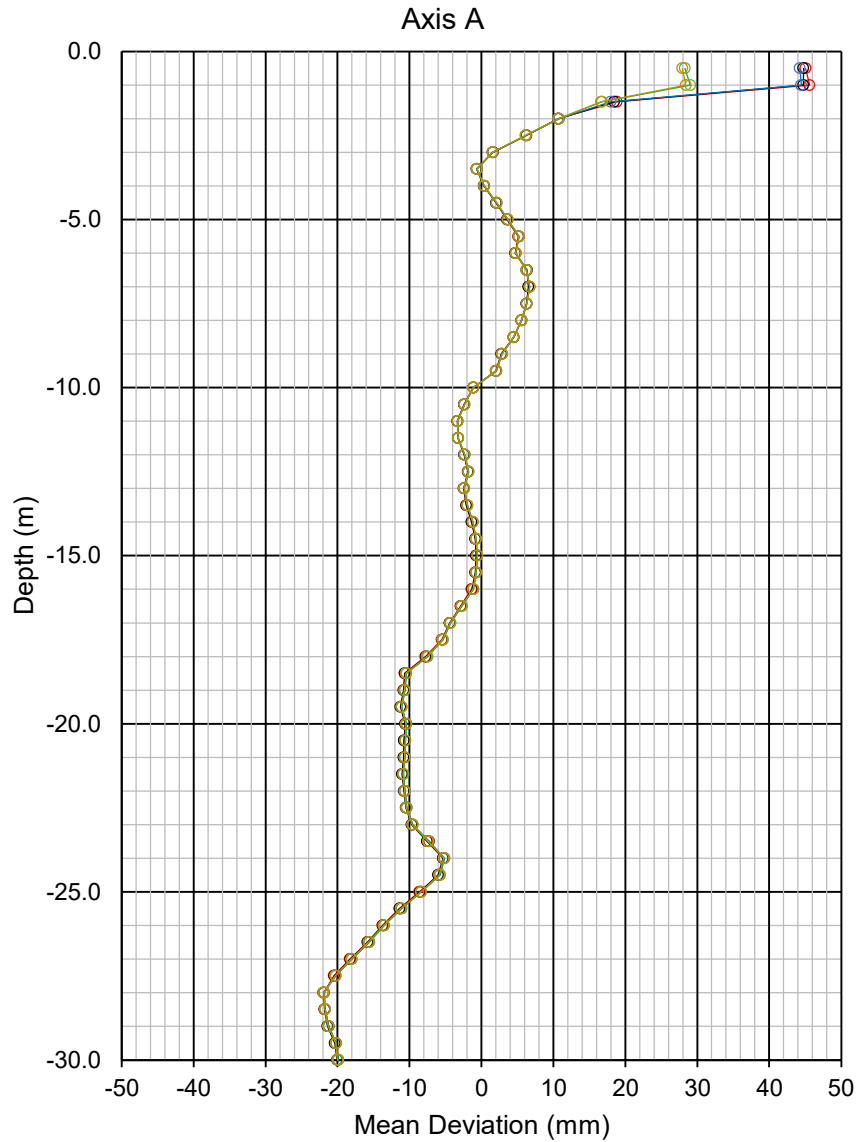
Instrument ID: GH11-07
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 40.0 m



Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 3 Dam Toe
Baseline Reading: 2021-01-10

Mean Deviation

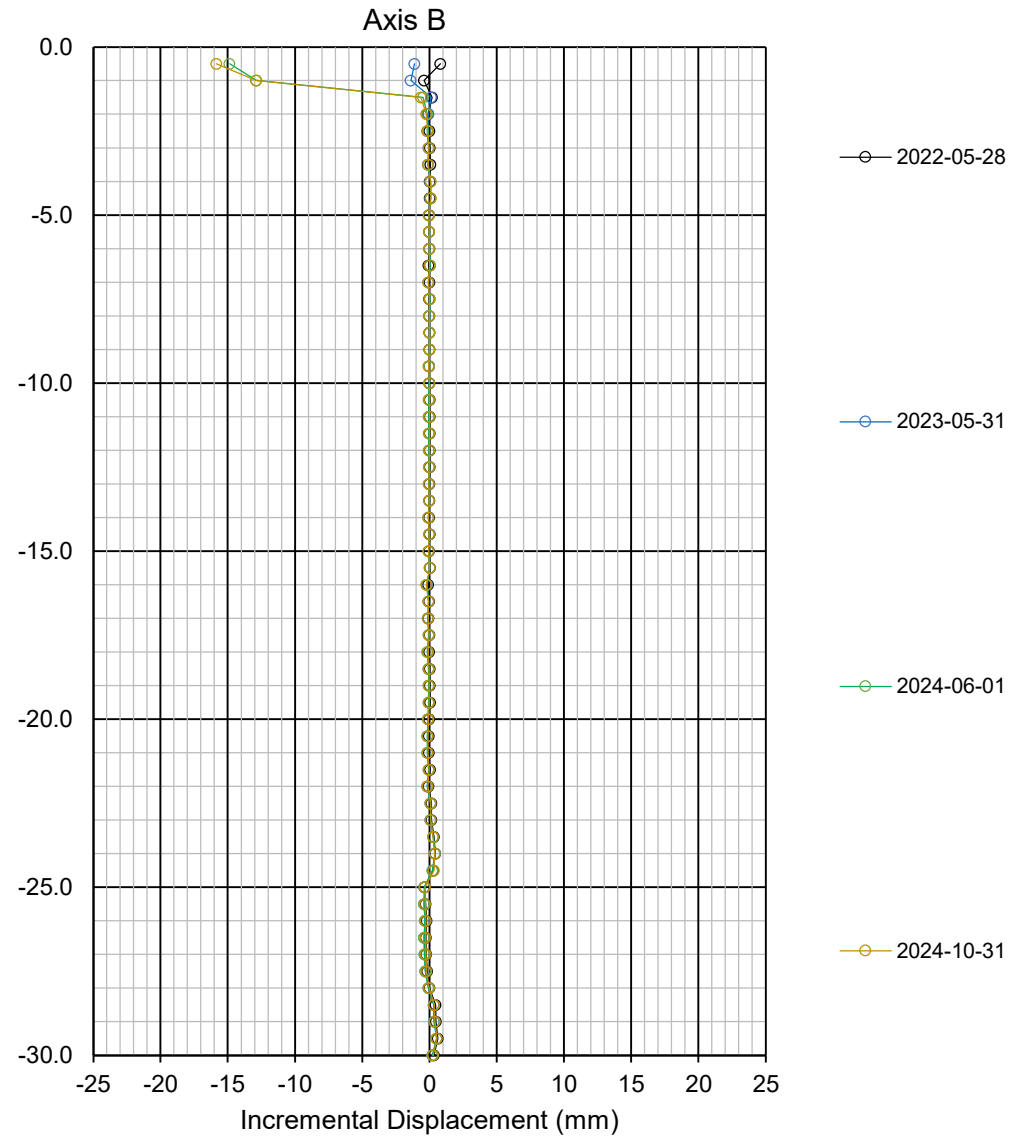
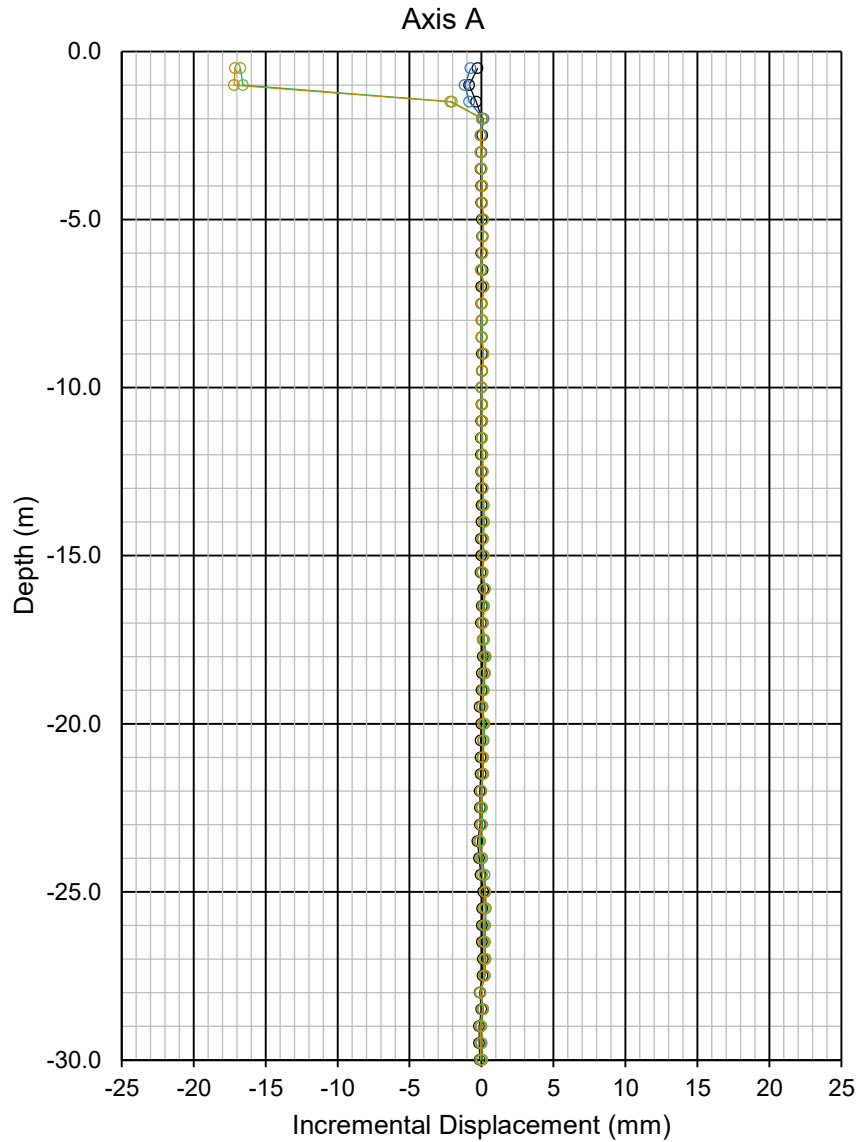
Instrument ID: GH11-09
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 30.0 m



Incremental Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 3 Dam Toe
Baseline Reading: 2021-01-10

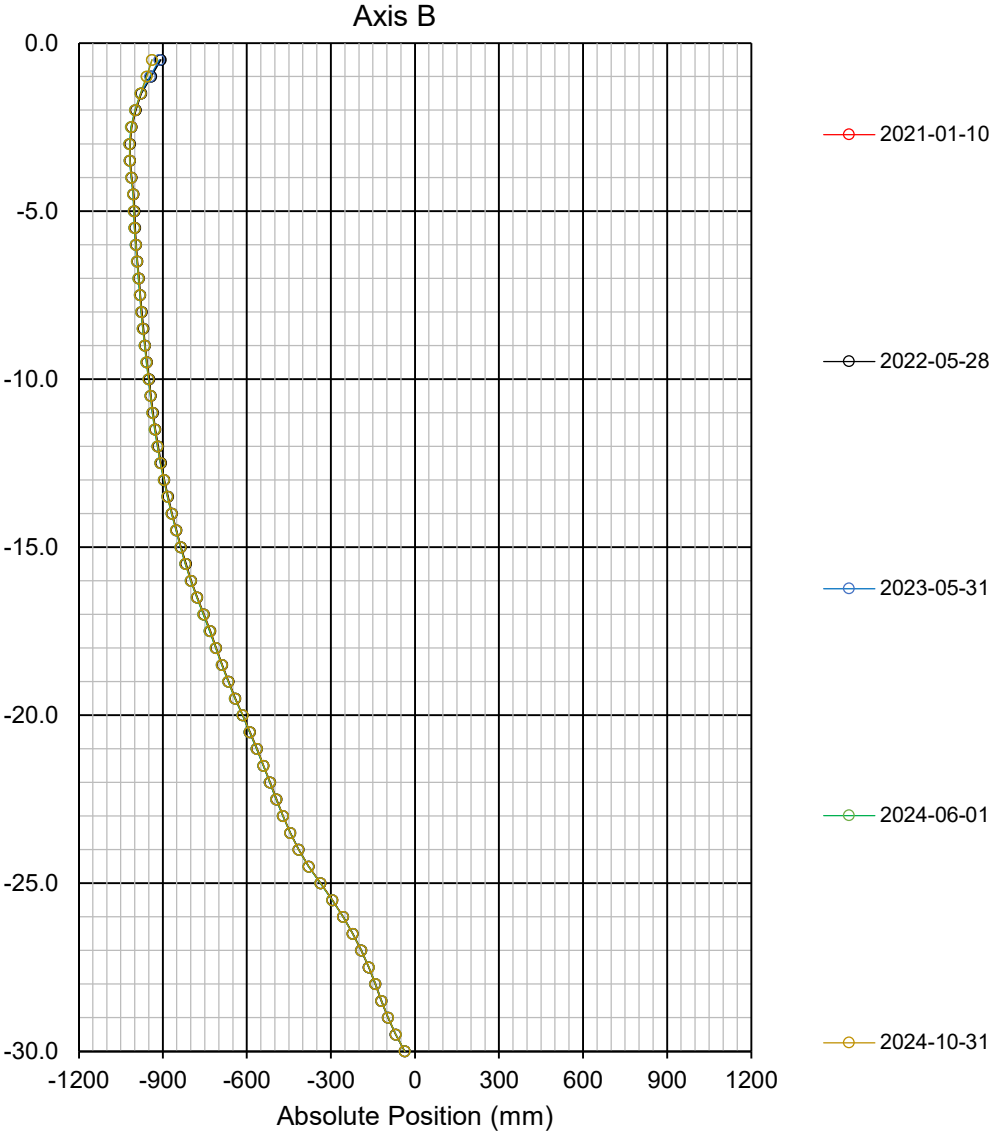
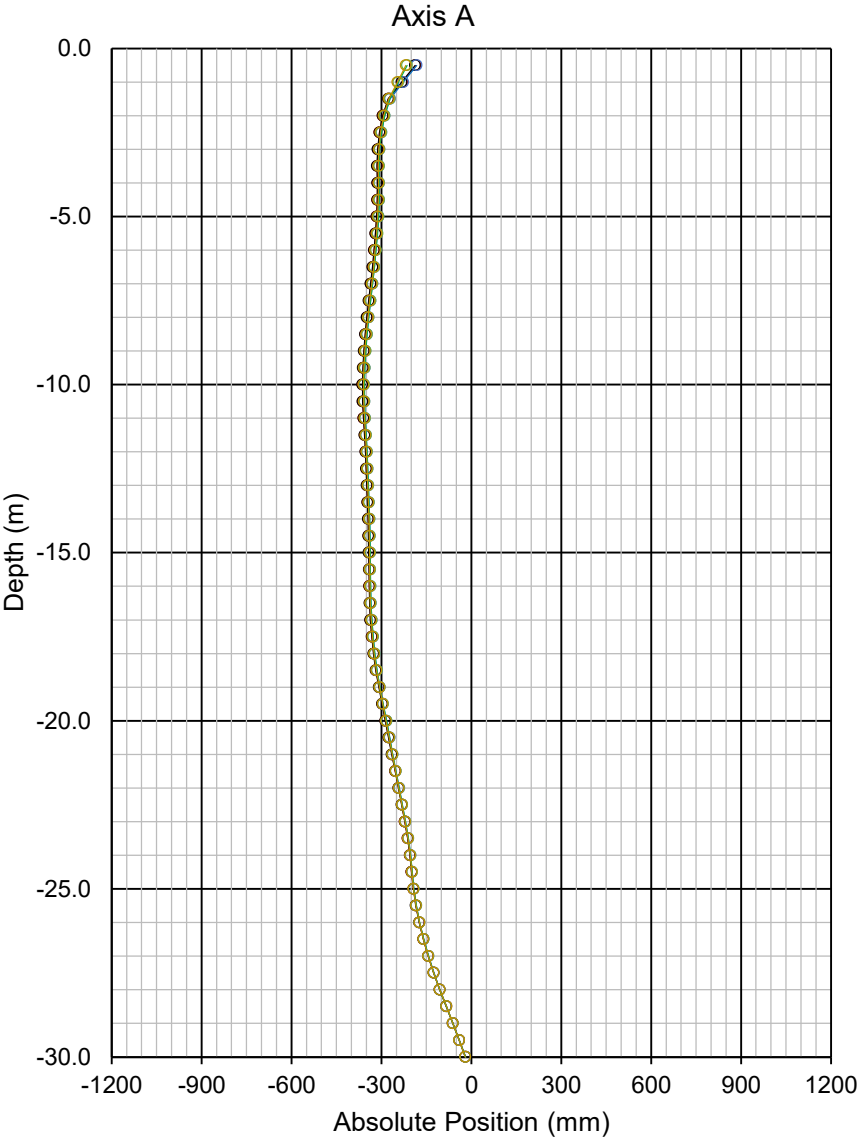
Instrument ID: GH11-09
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 30.0 m



Absolute Position

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 3 Dam Toe
Baseline Reading: 2021-01-10

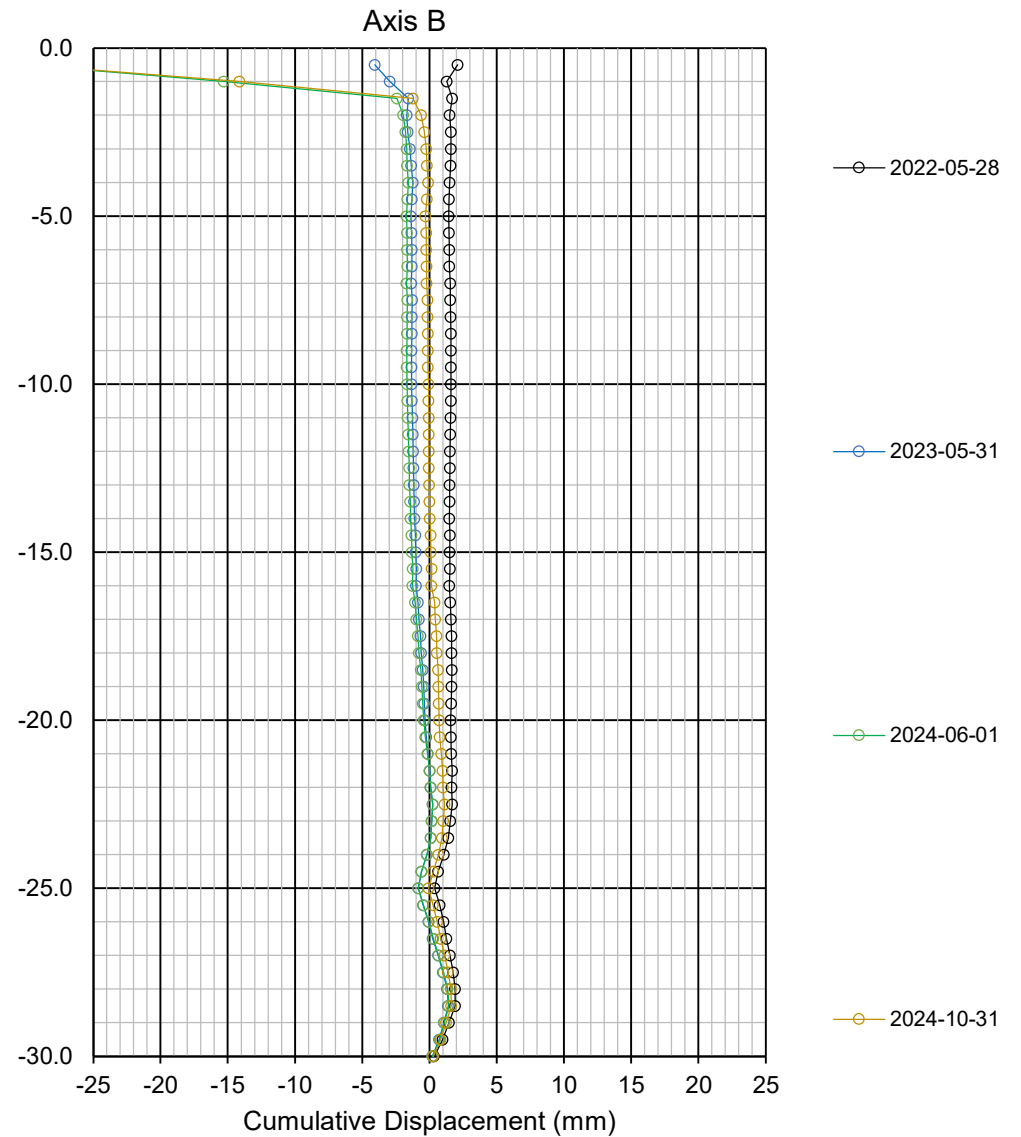
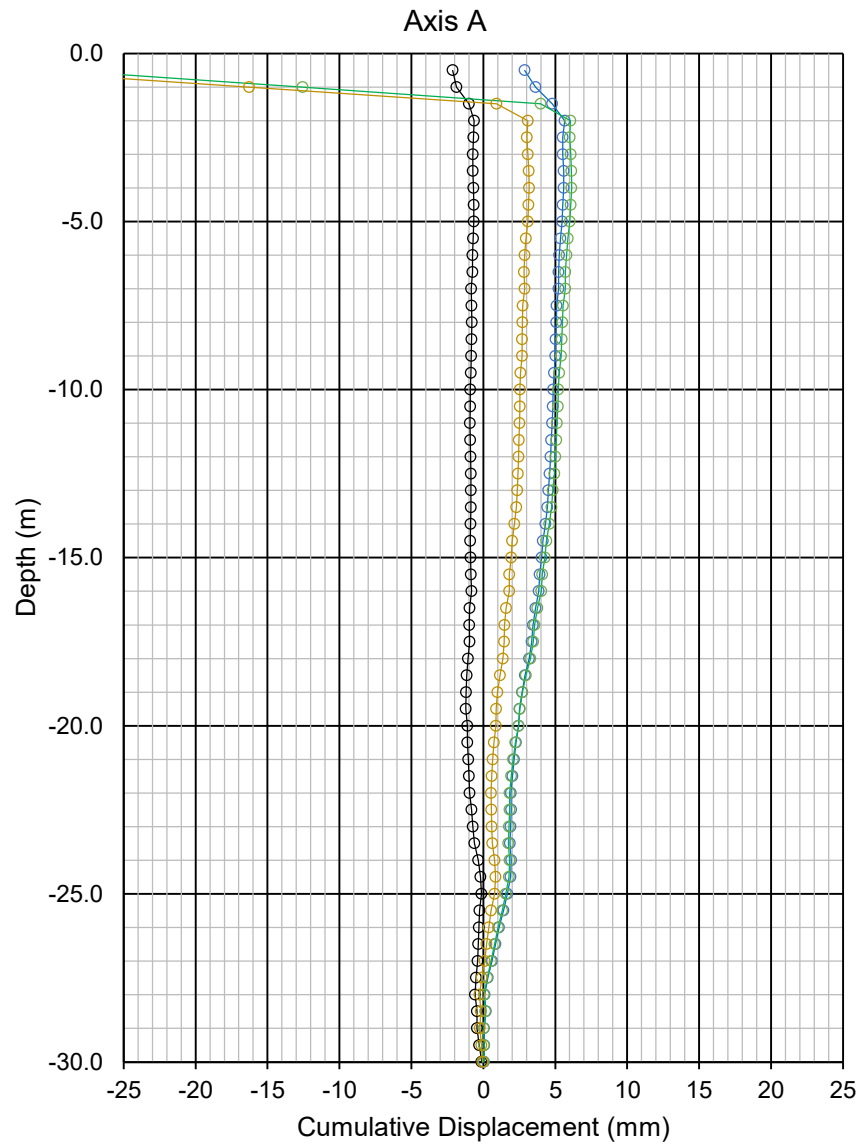
Instrument ID: GH11-09
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 30.0 m



Cumulative Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 3 Dam Toe
Baseline Reading: 2021-01-10

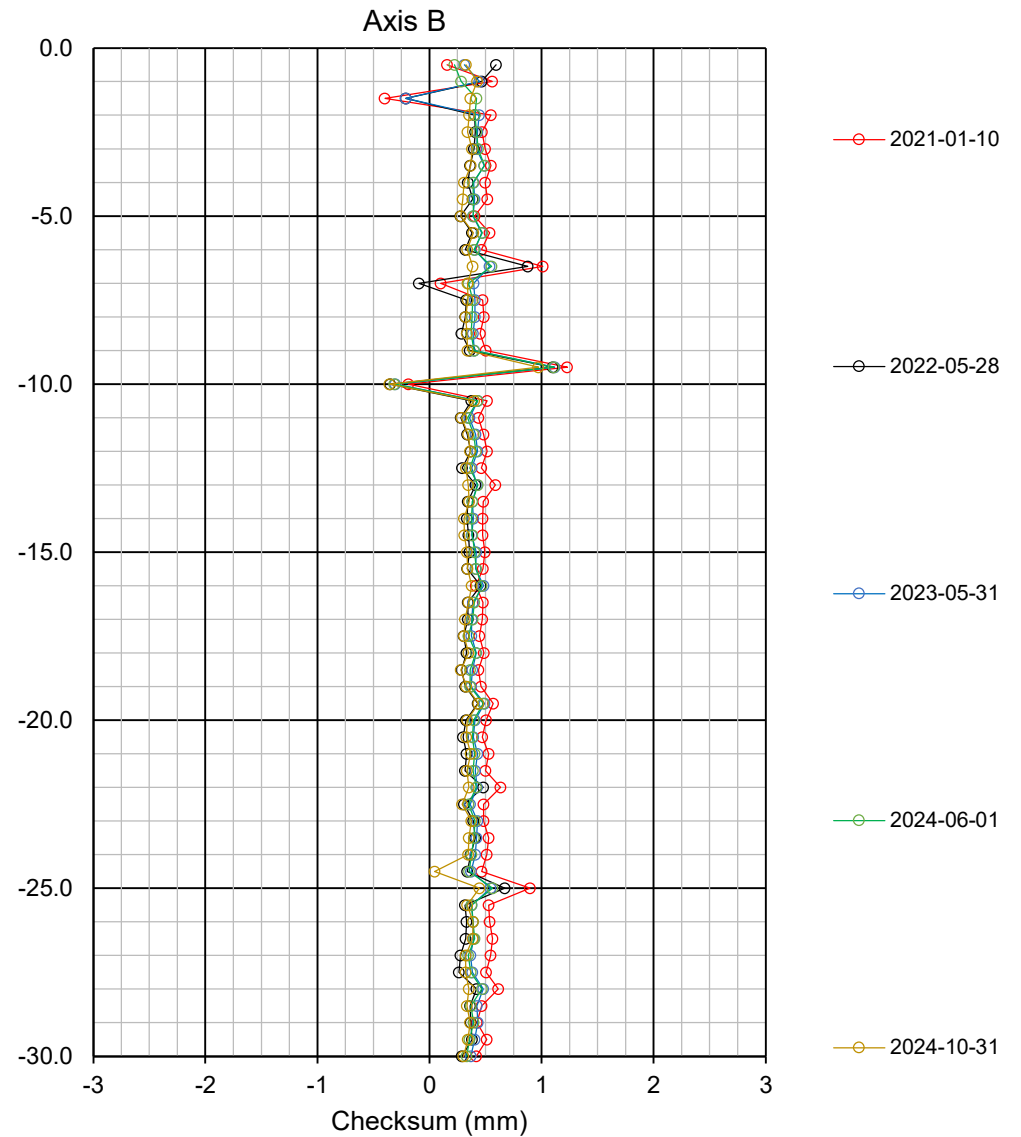
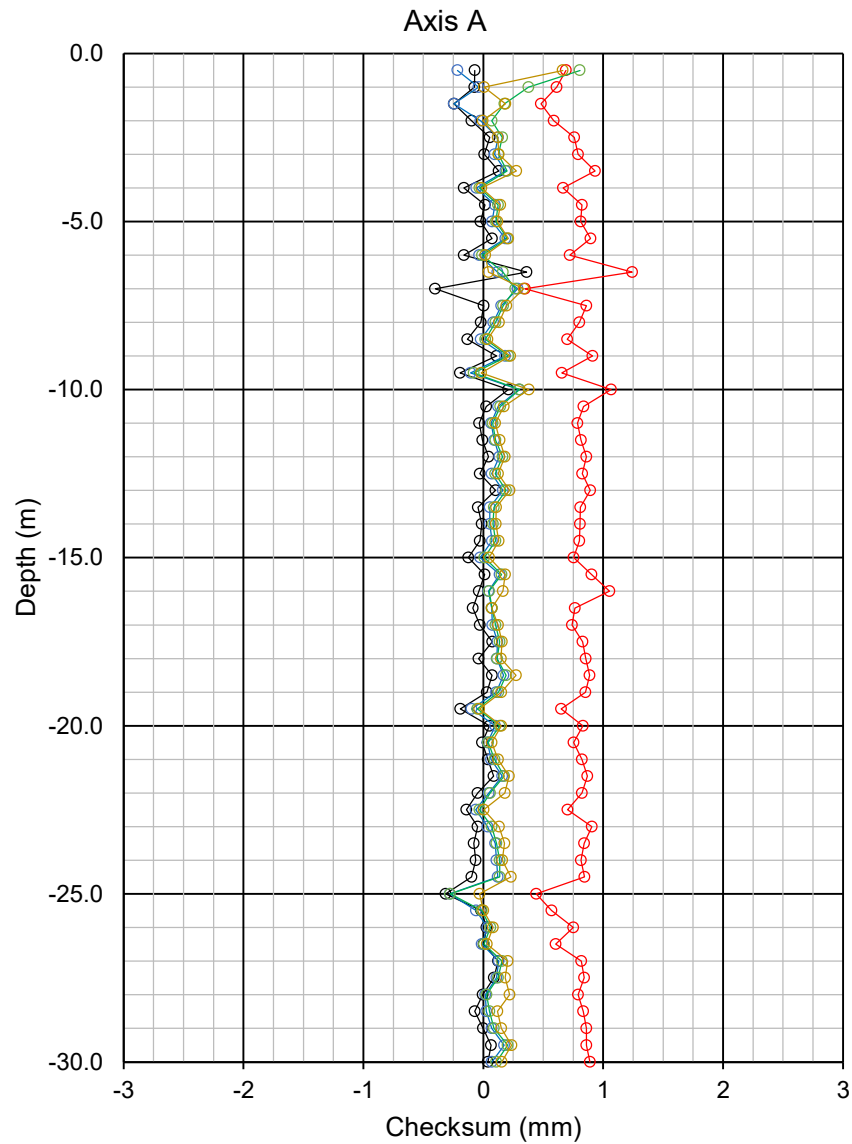
Instrument ID: GH11-09
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 30.0 m



Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 3 Dam Toe
Baseline Reading: 2021-01-10

Checksum

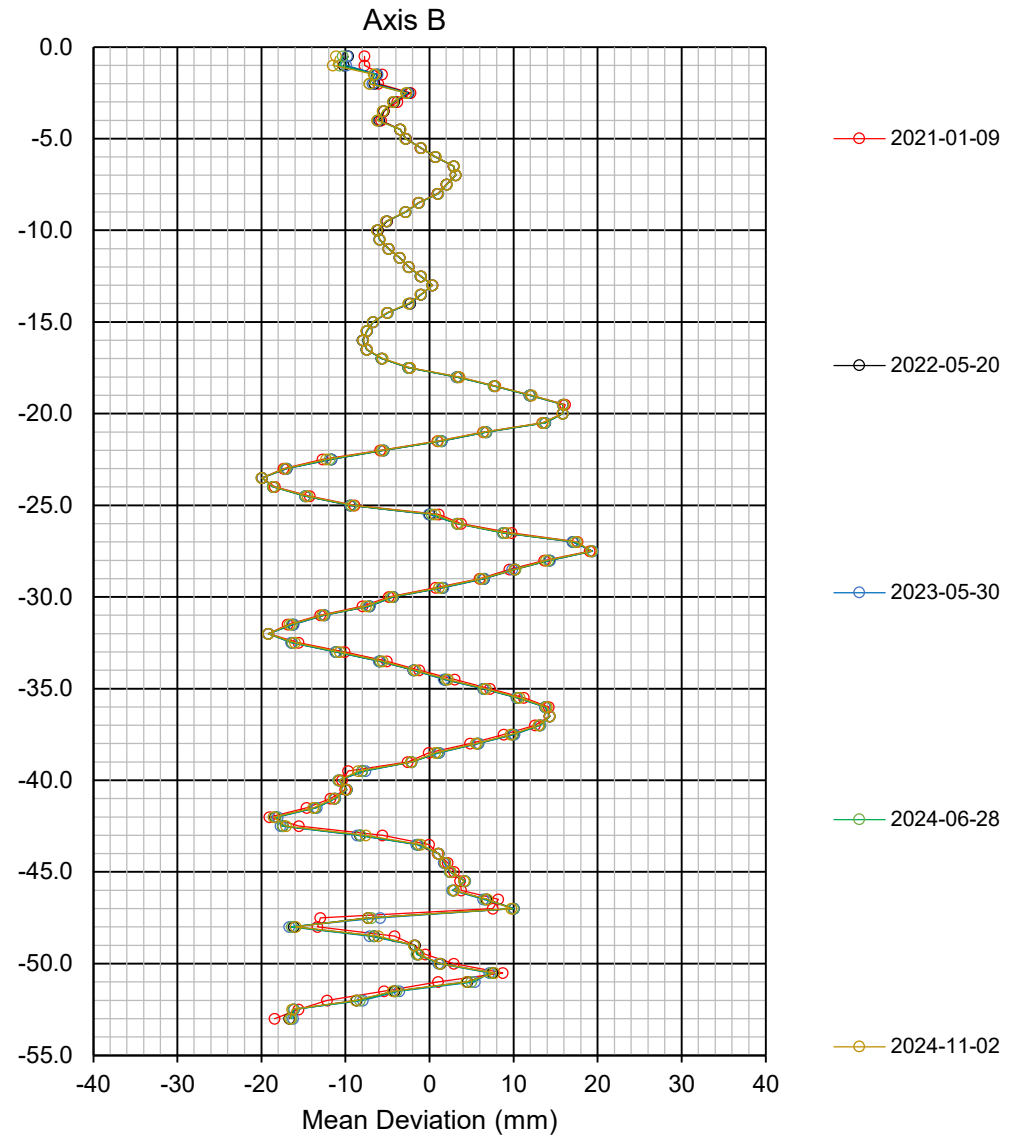
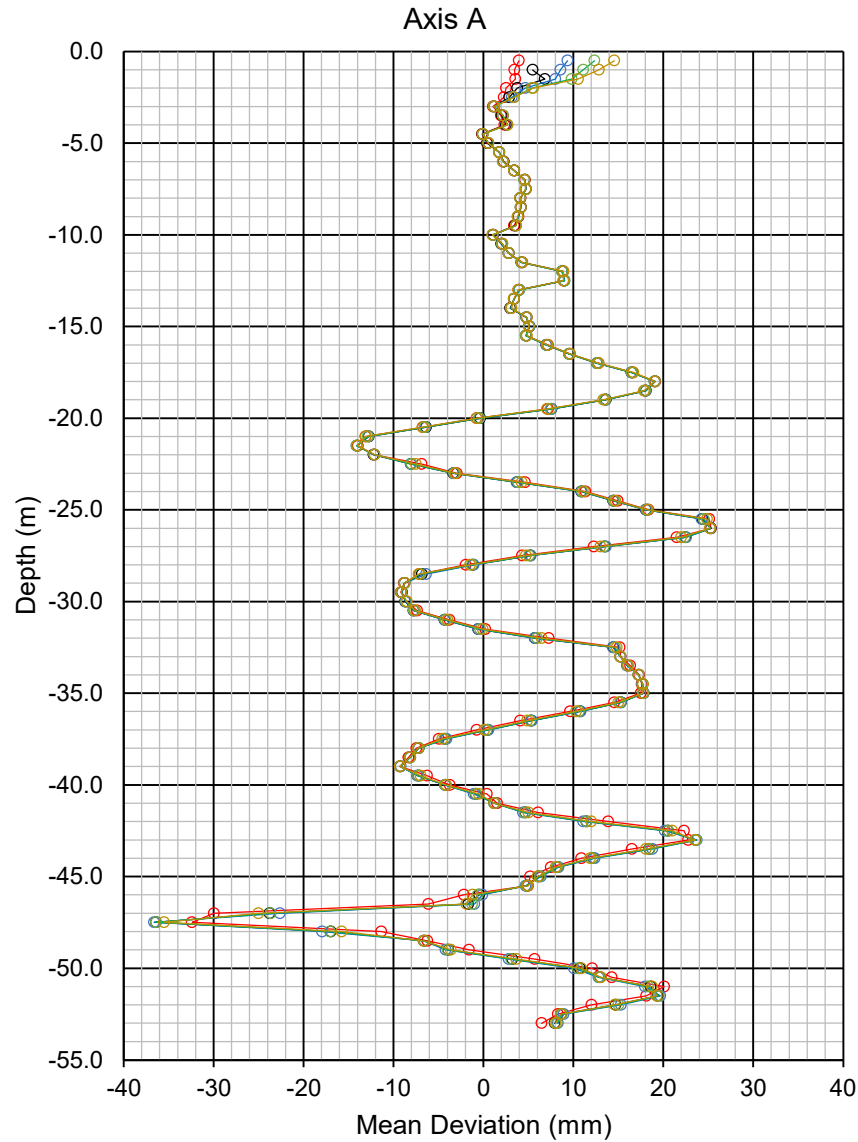
Instrument ID: GH11-09
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 30.0 m



Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 3 Dam Crest
Baseline Reading: 2021-01-09 (to 53.0 m depth)

Instrument ID: GH11-12
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 66.0 m

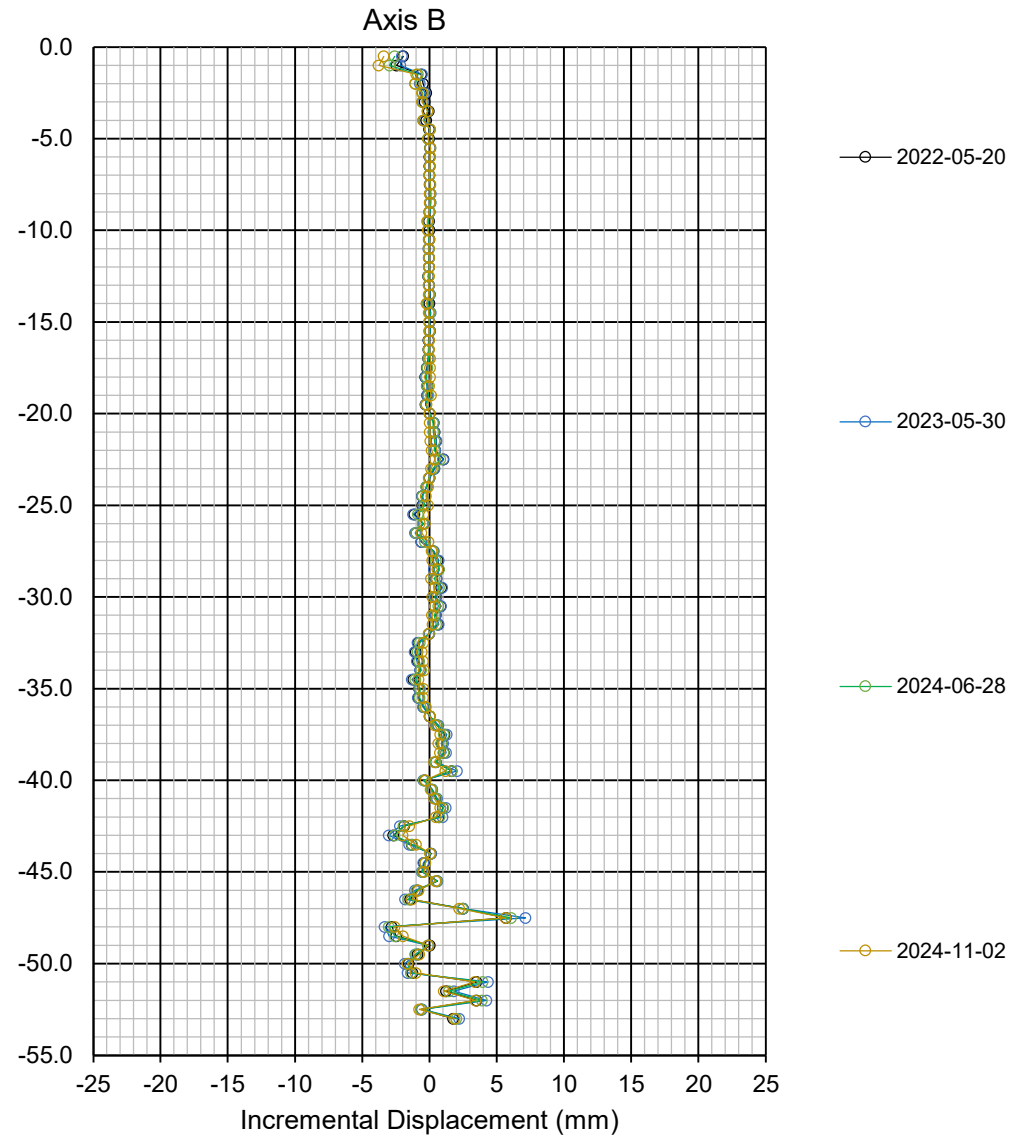
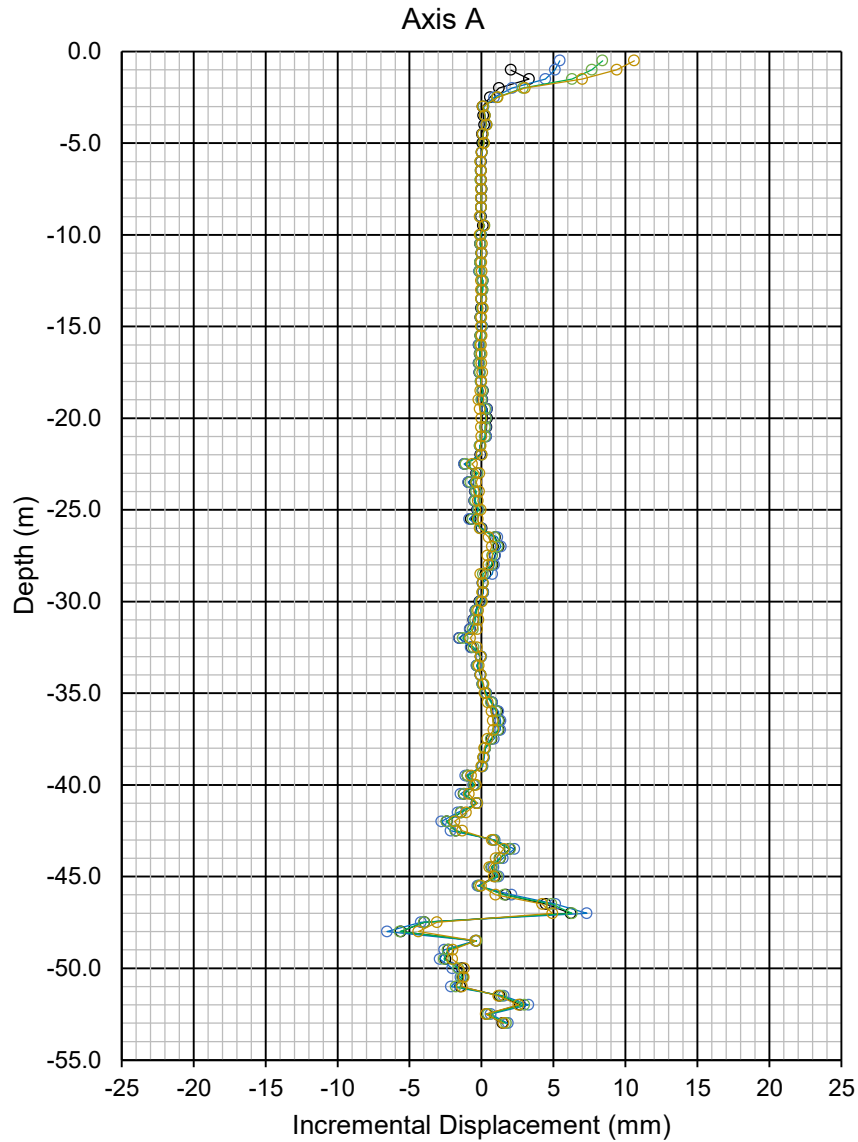
Mean Deviation



Incremental Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 3 Dam Crest
Baseline Reading: 2021-01-09 (to 53.0 m depth)

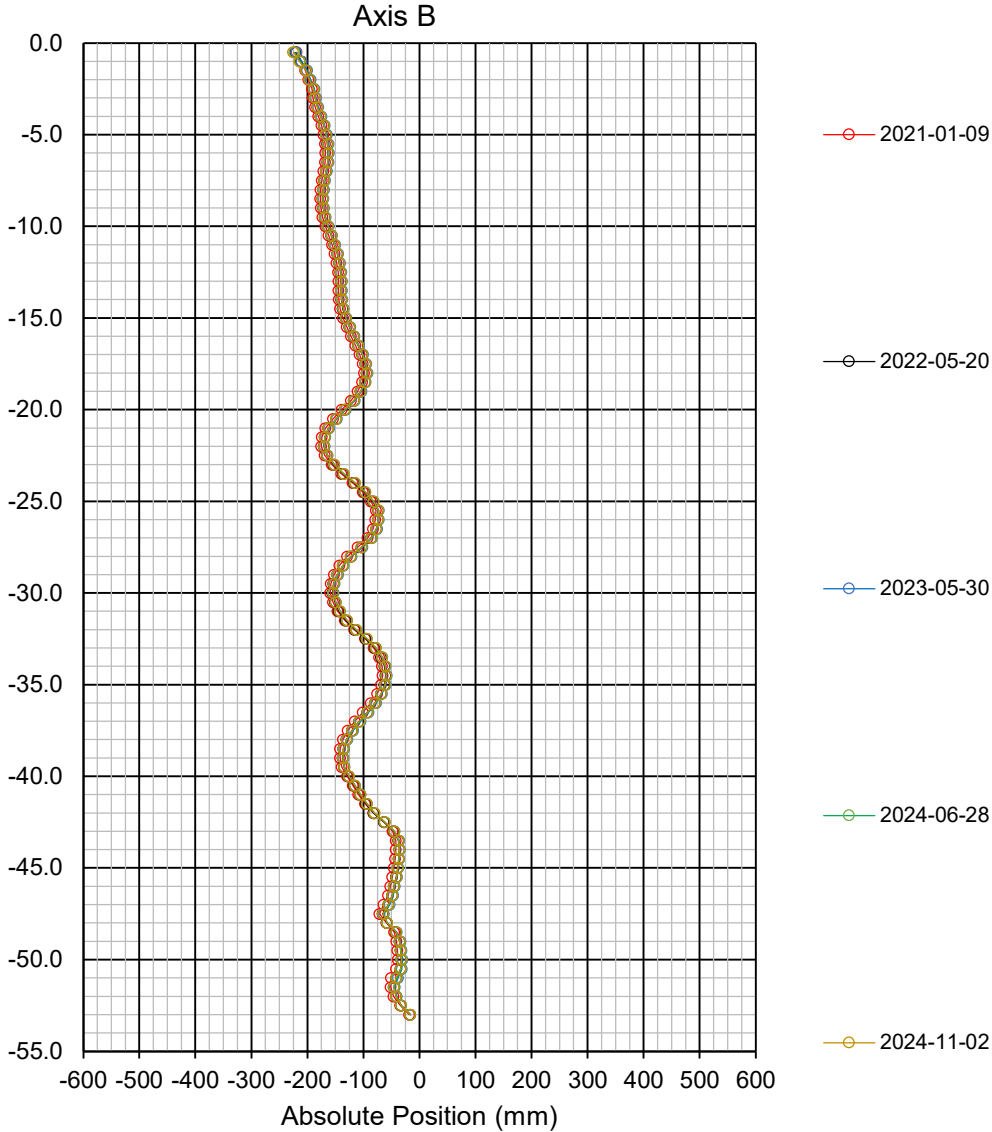
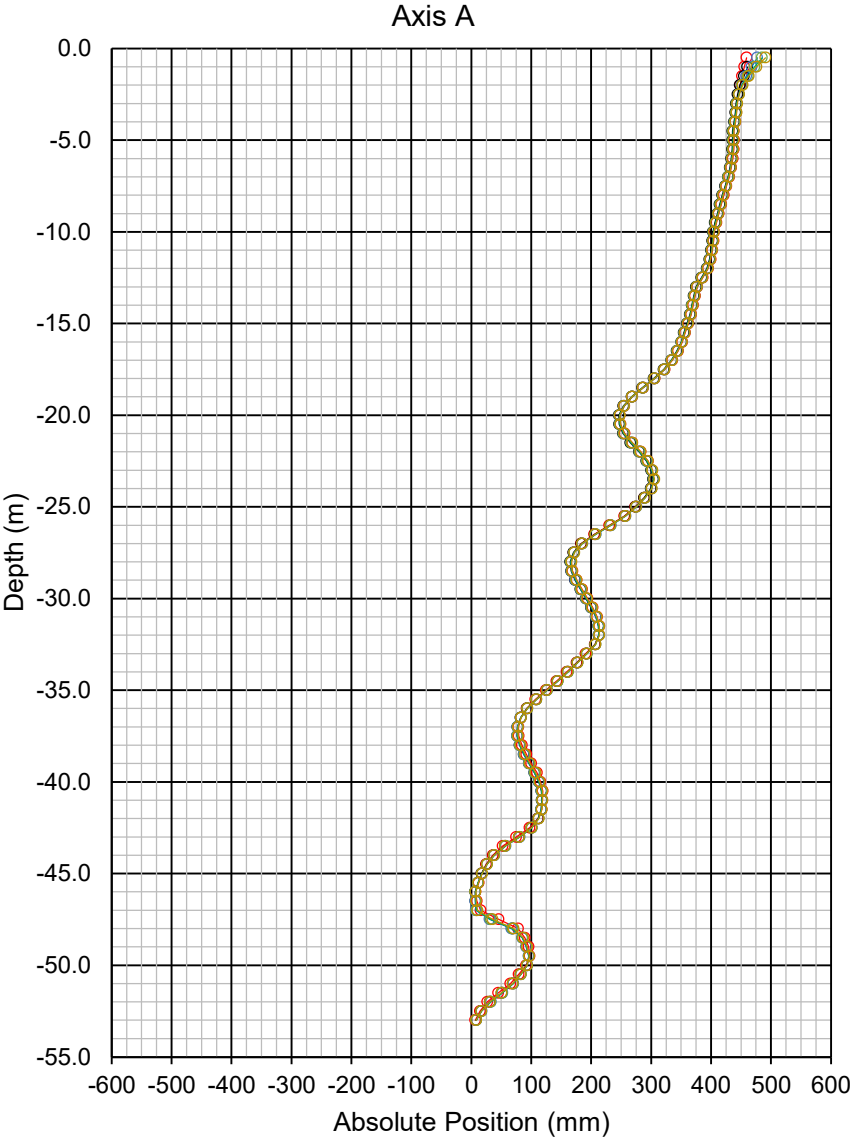
Instrument ID: GH11-12
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 66.0 m



Absolute Position

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 3 Dam Crest
Baseline Reading: 2021-01-09 (to 53.0 m depth)

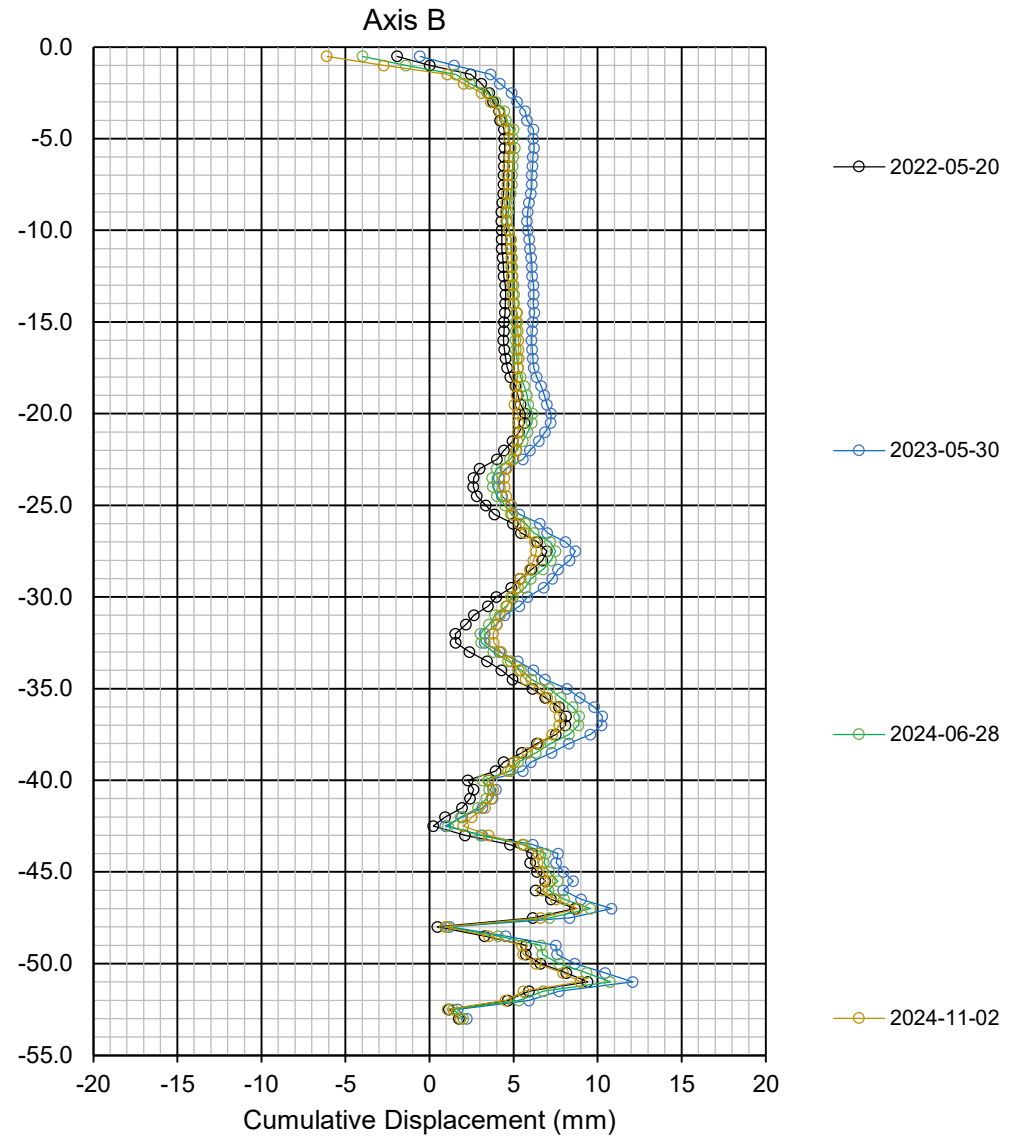
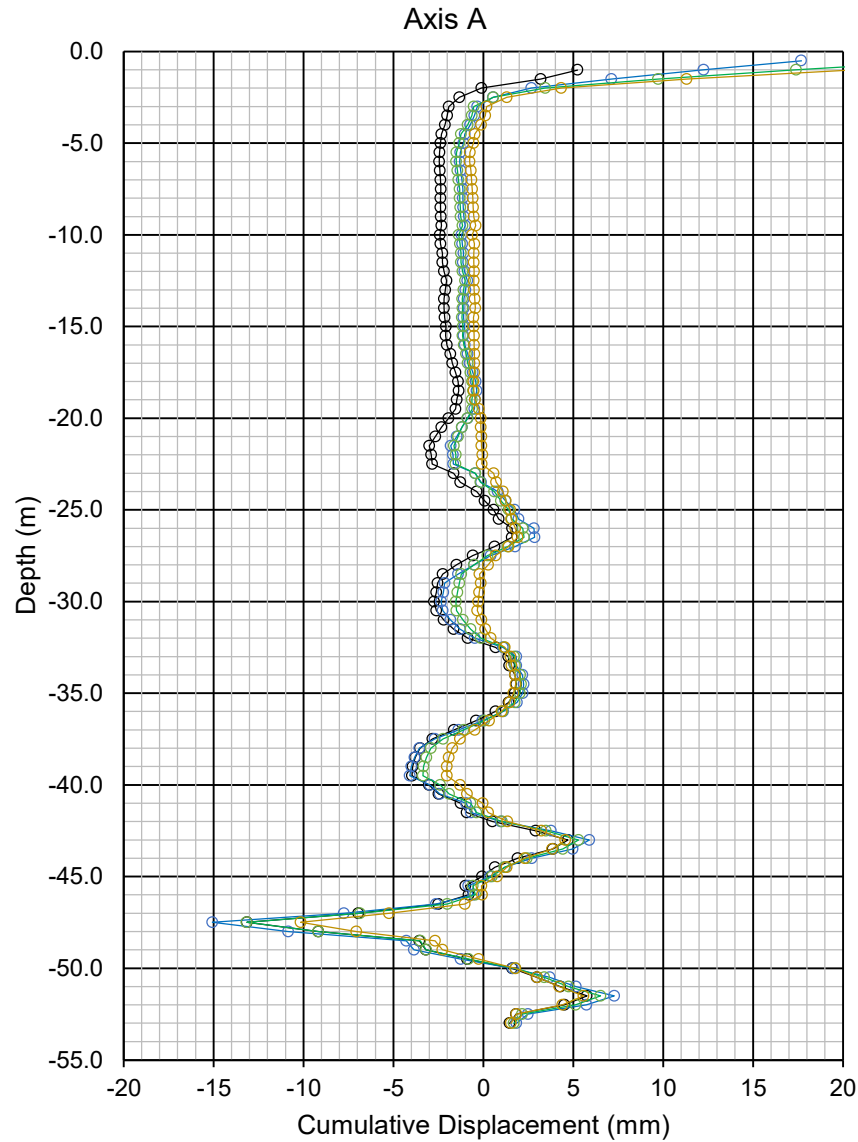
Instrument ID: GH11-12
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 66.0 m



Cumulative Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 3 Dam Crest
Baseline Reading: 2021-01-09 (to 53.0 m depth)

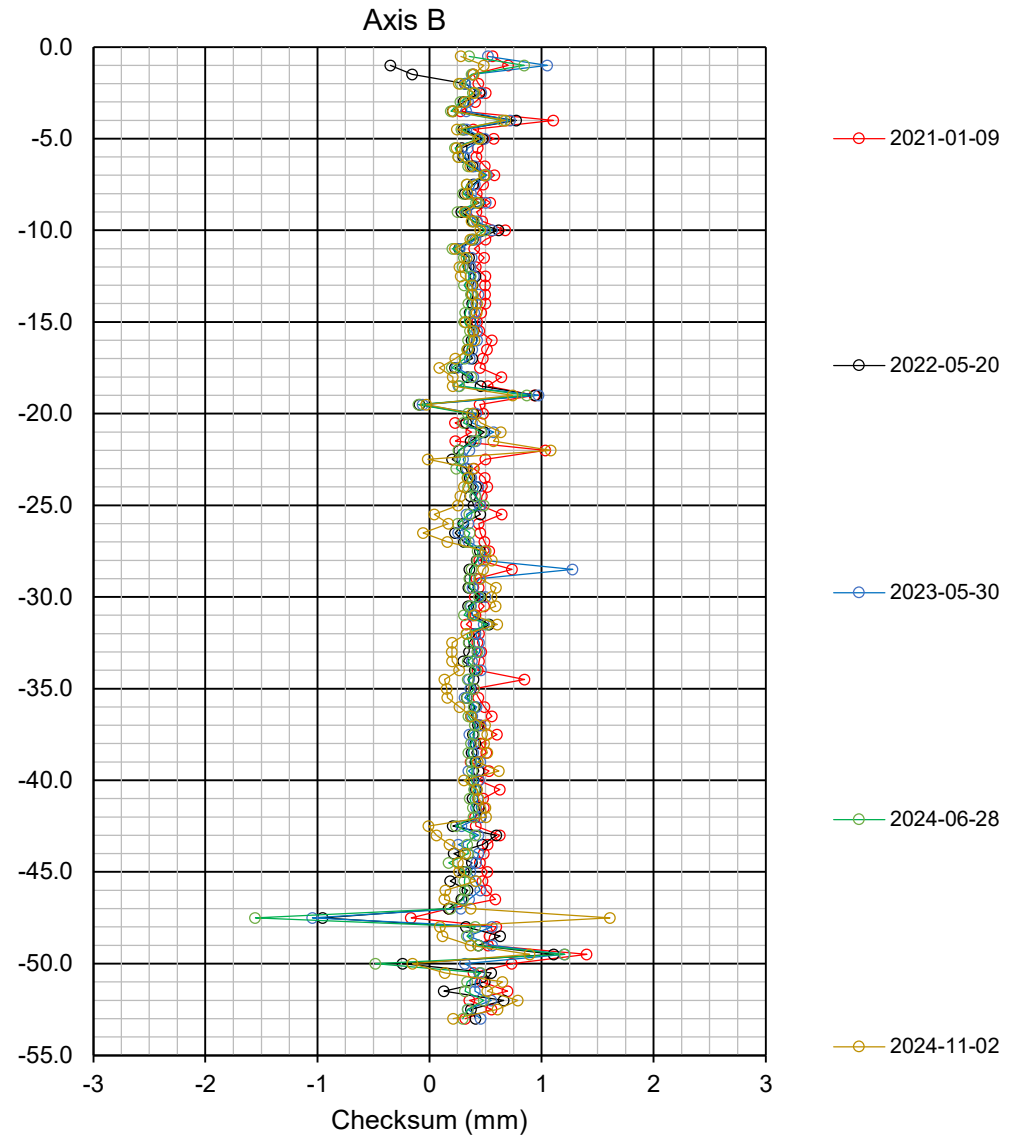
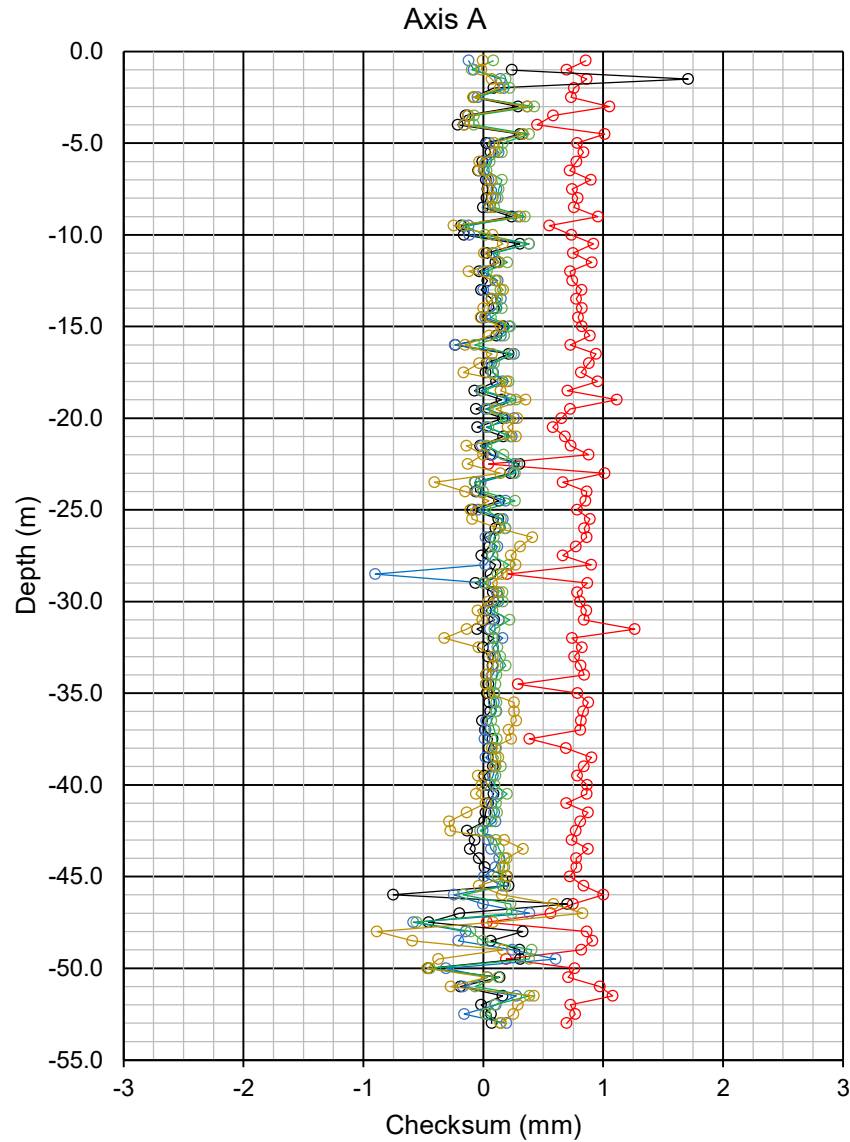
Instrument ID: GH11-12
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 66.0 m



Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: TSF 3 Dam Crest
Baseline Reading: 2021-01-09 (to 53.0 m depth)

Checksum

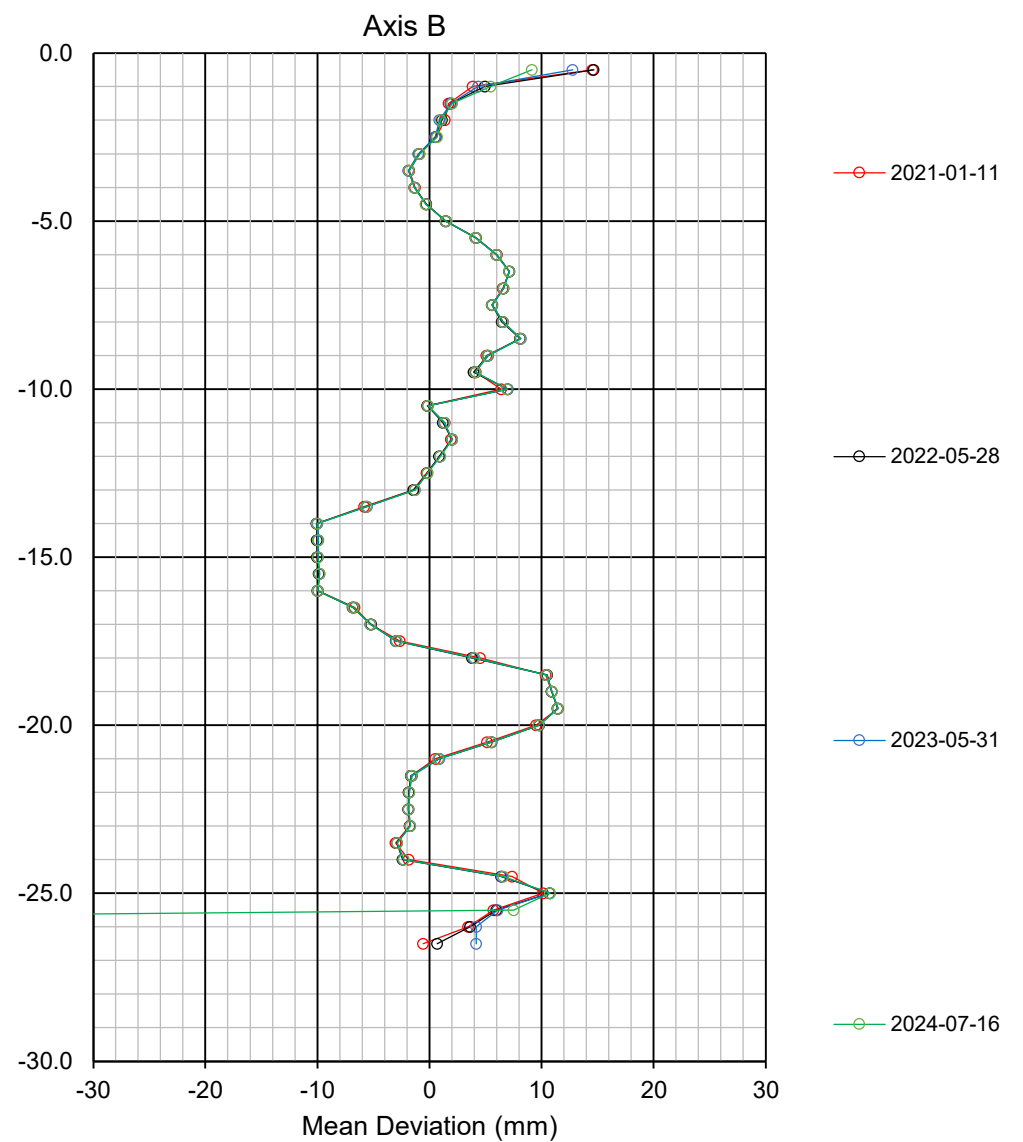
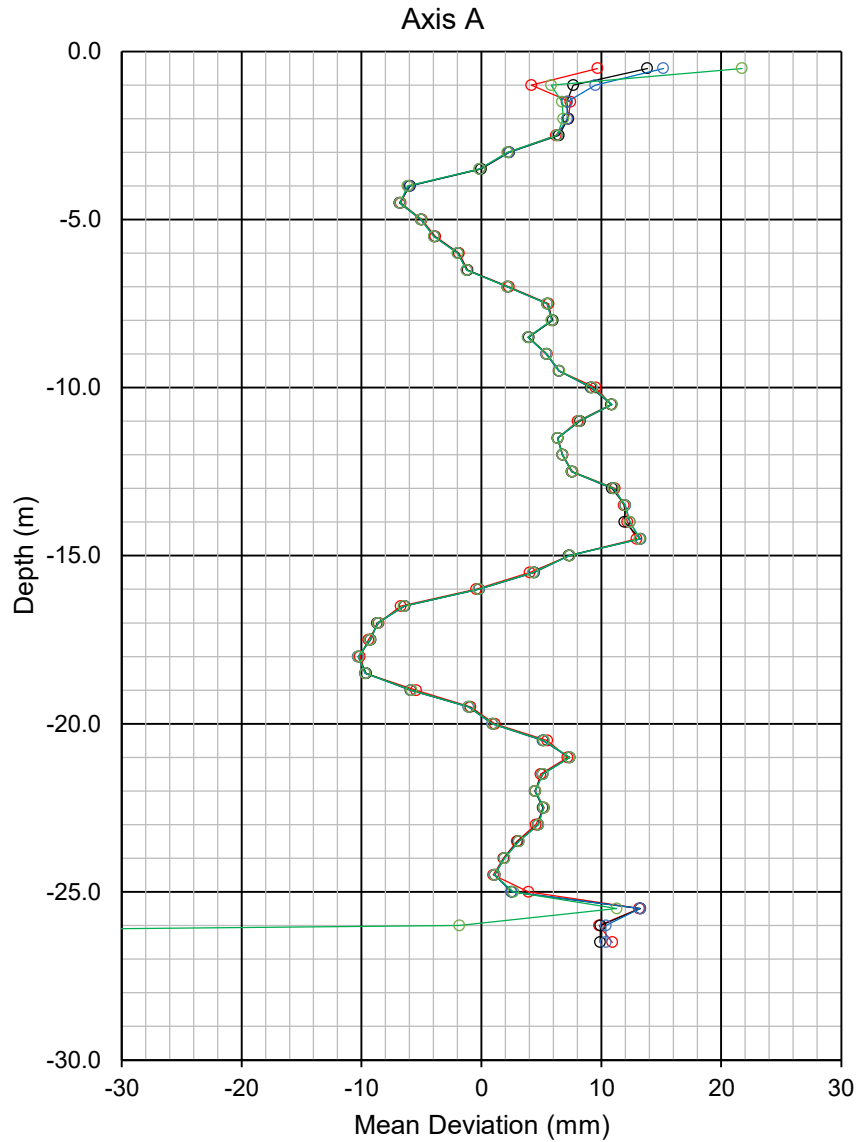
Instrument ID: GH11-12
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 66.0 m



Mean Deviation

Project: Cantung Mine Site Monitoring
 Project No.: ENG.WARC04142-02
 Client: NATCL
 Location: --
 Baseline Reading: 2021-01-11

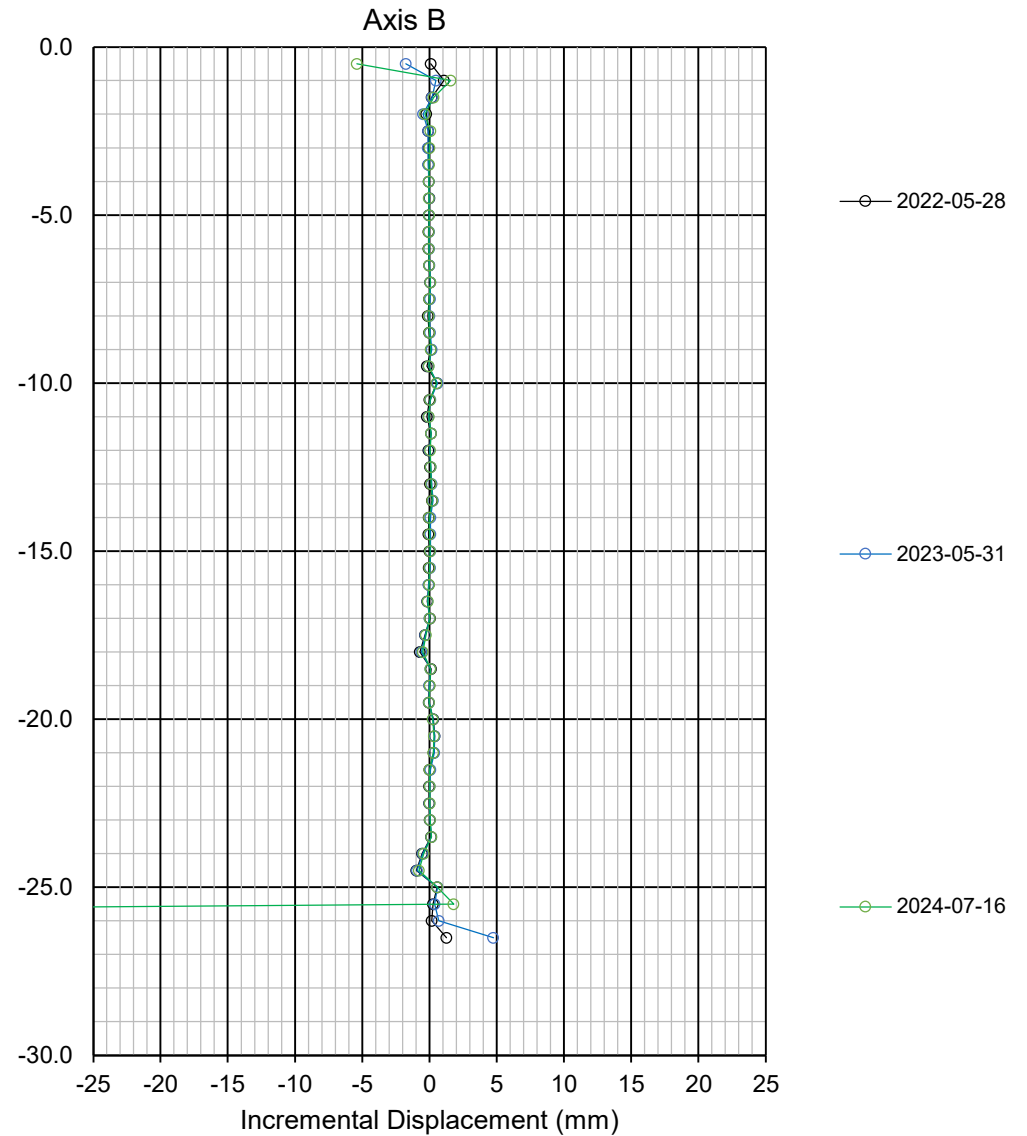
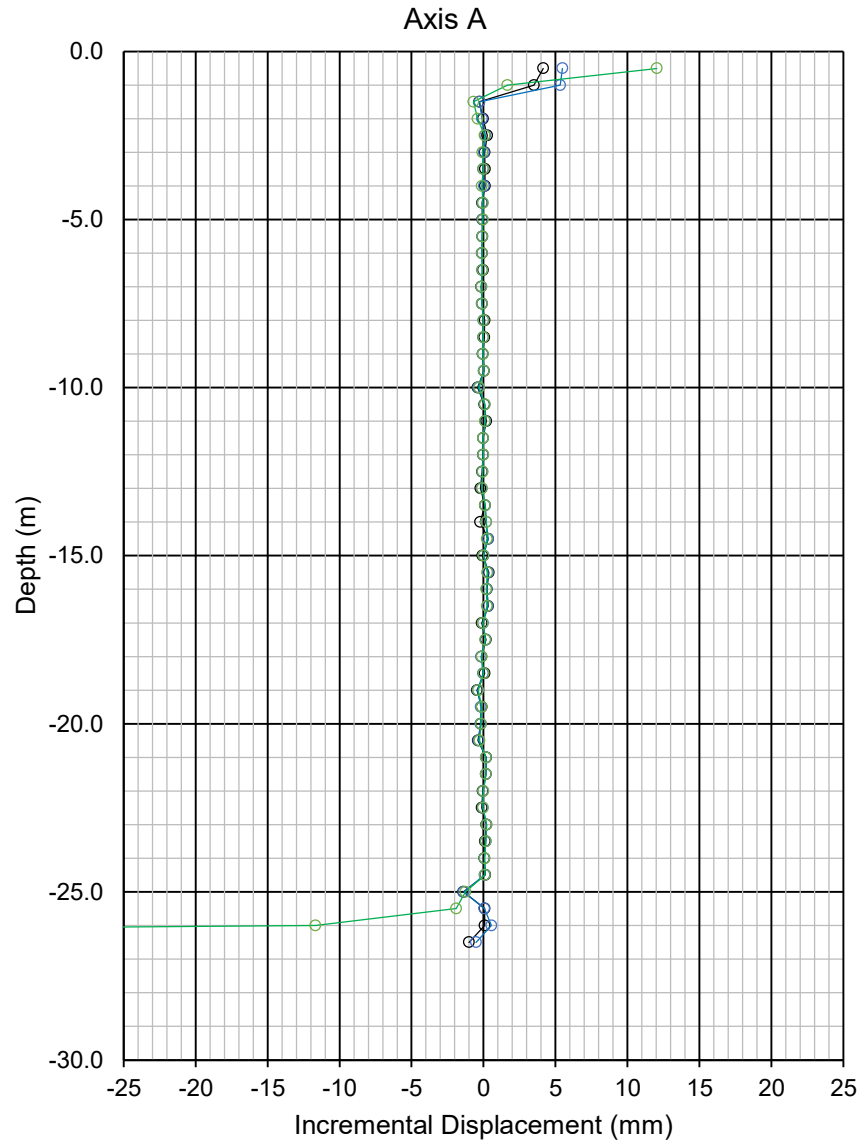
Instrument ID: GH12-B
 Coordinates: --
 Top Cap Elevation: --
 Stickup: --
 Bottom Depth: 26.5 m



Incremental Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-11

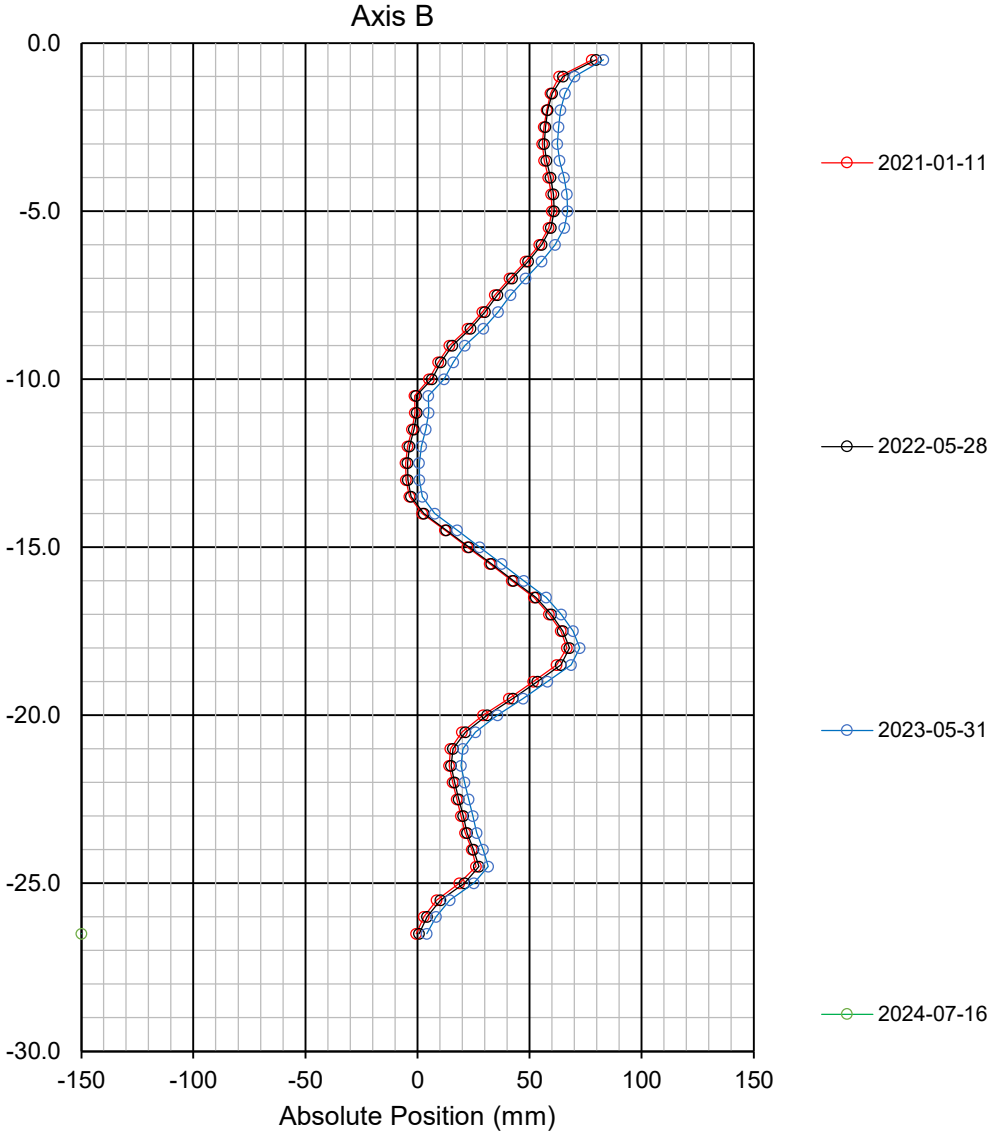
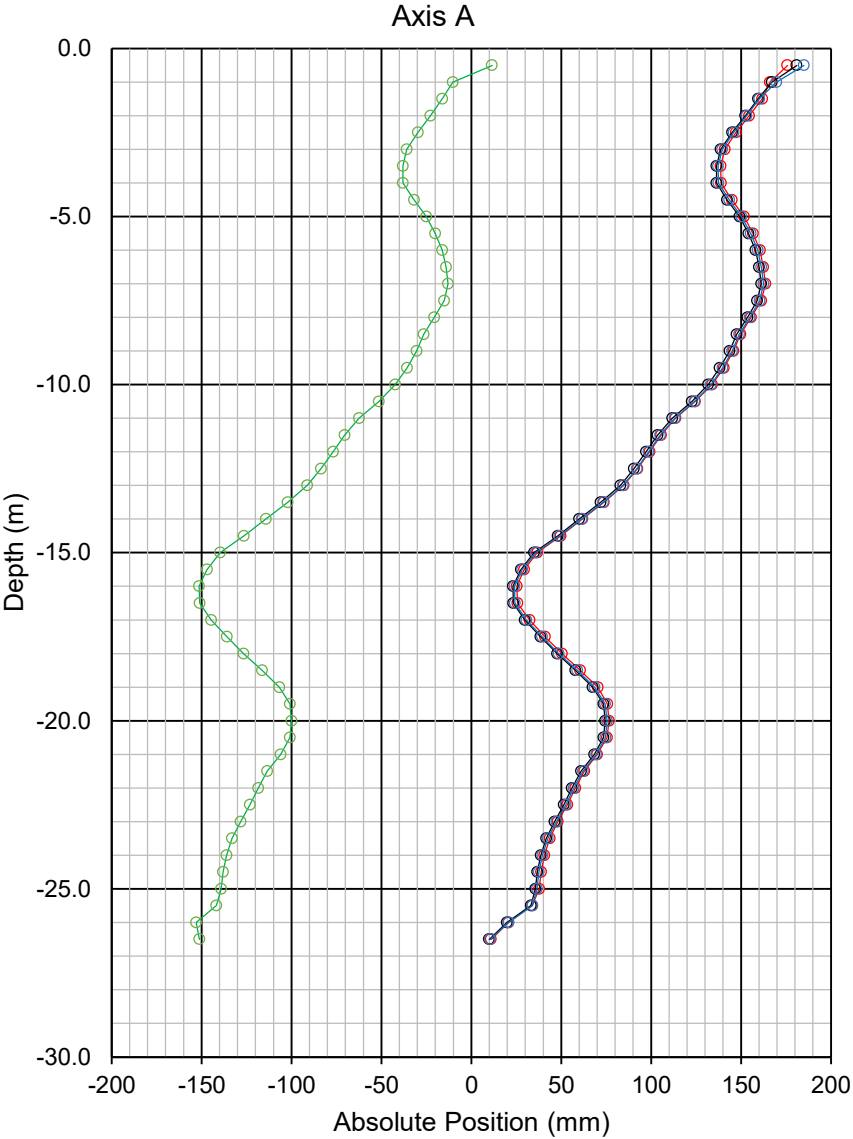
Instrument ID: GH12-B
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 26.5 m



Absolute Position

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-11

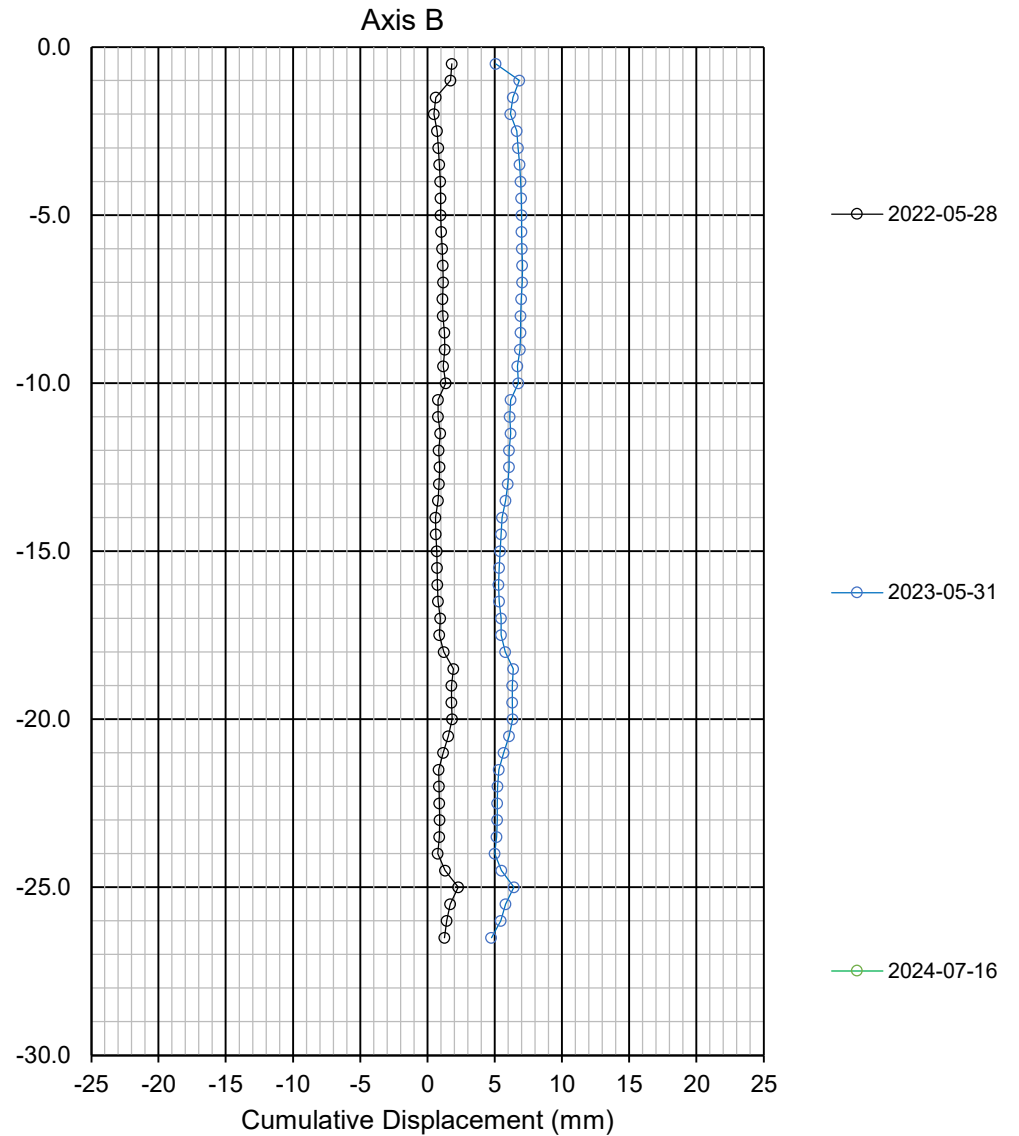
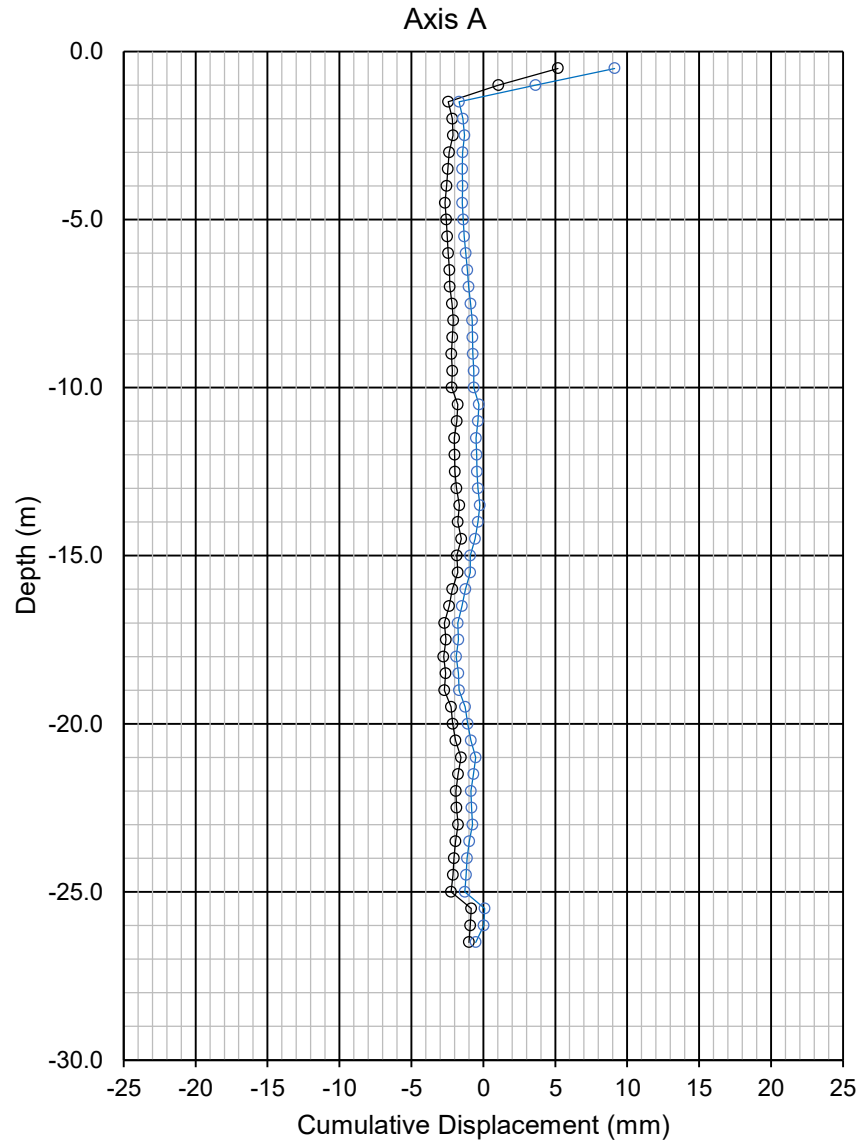
Instrument ID: GH12-B
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 26.5 m



Cumulative Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-11

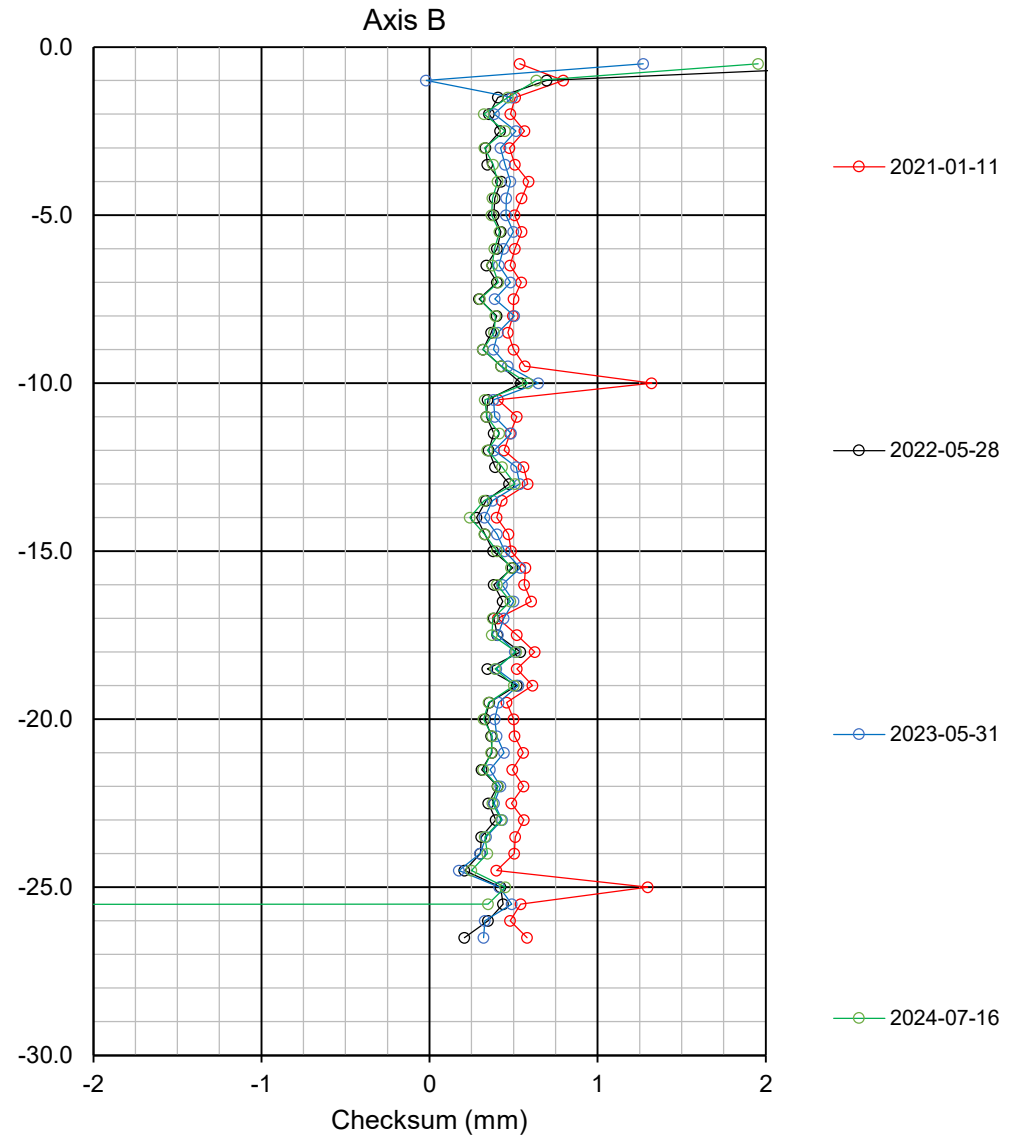
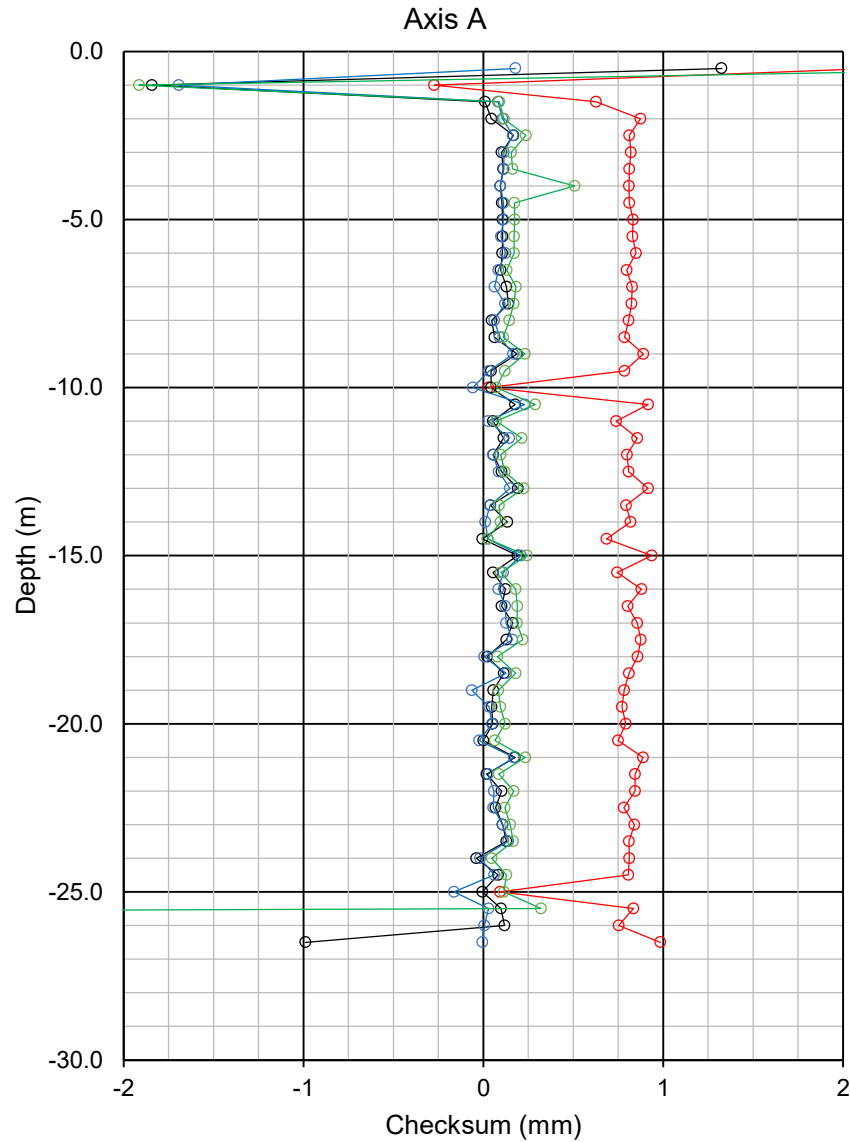
Instrument ID: GH12-B
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 26.5 m



Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-11

Checksum

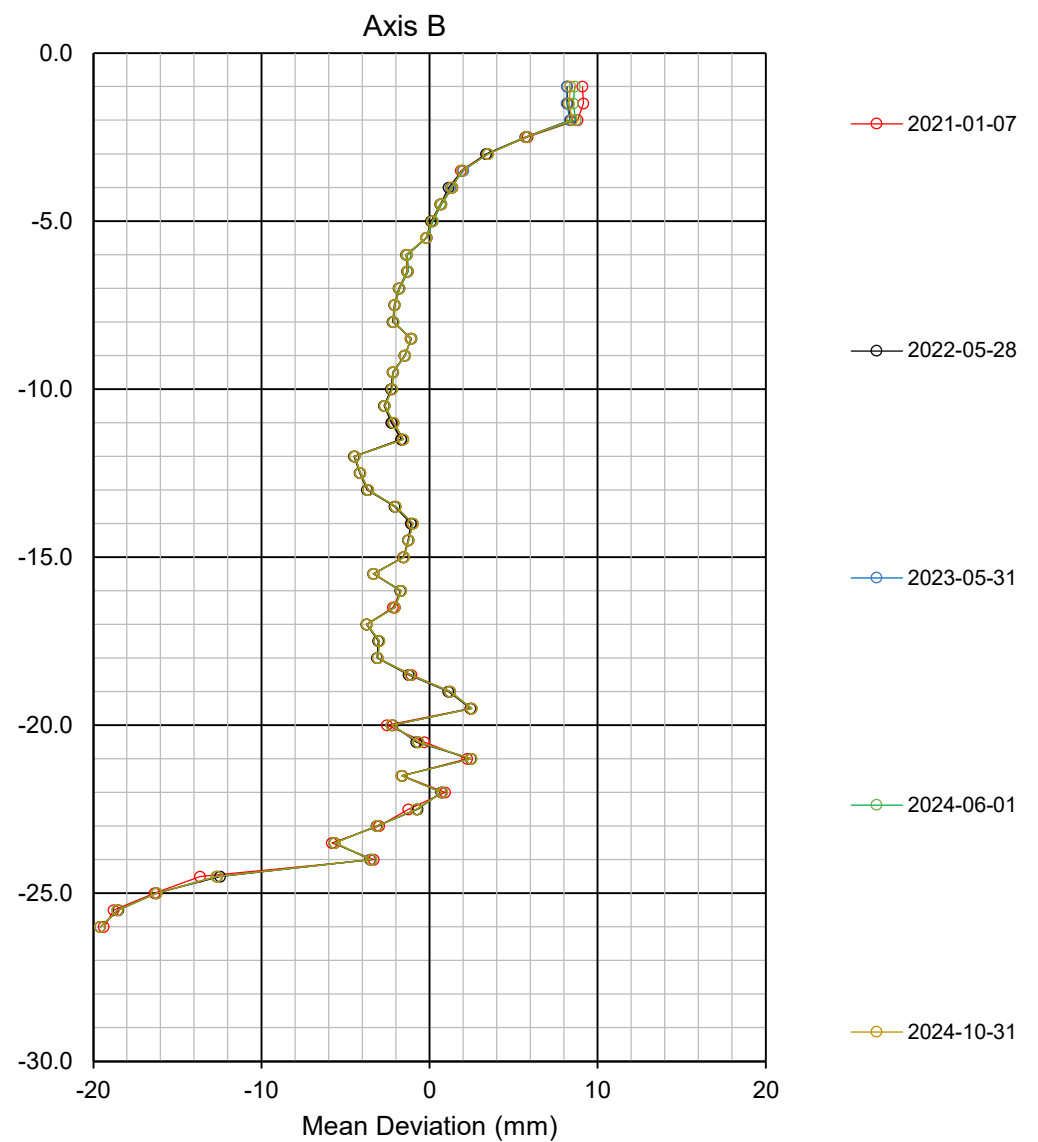
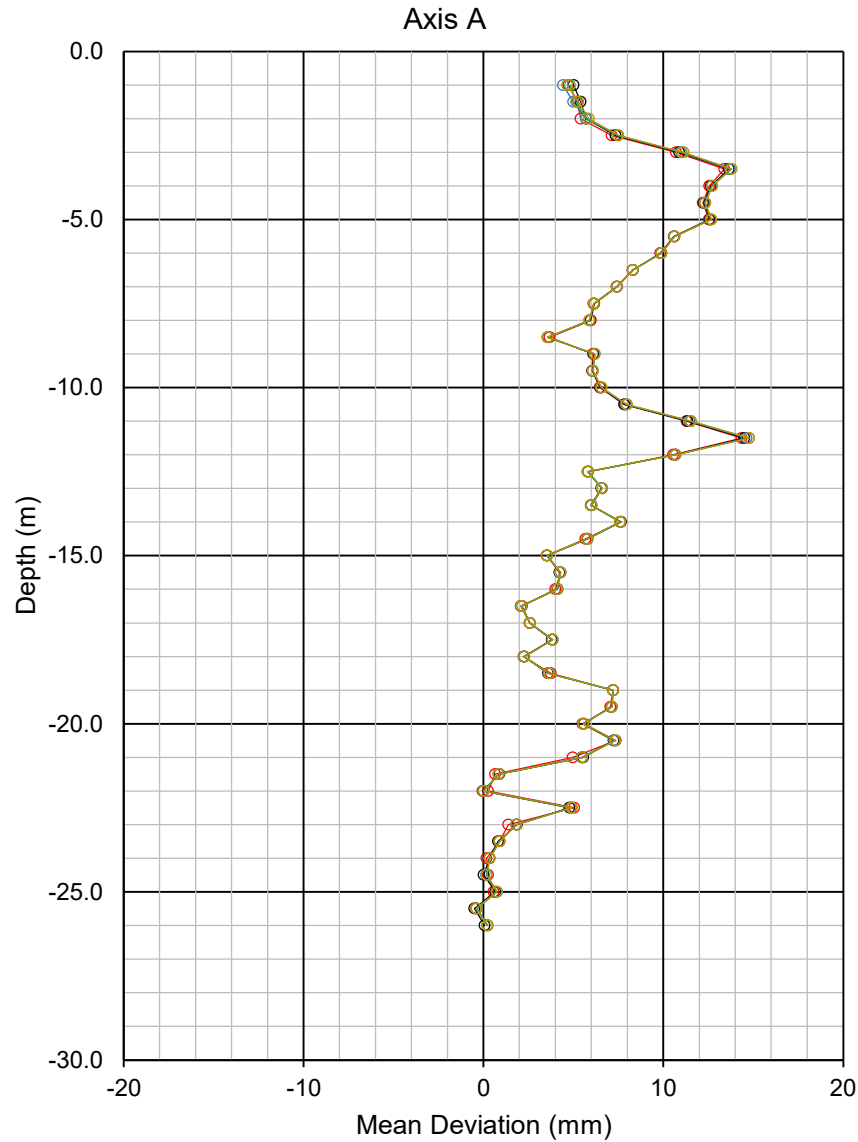
Instrument ID: GH12-B
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 26.5 m



Mean Deviation

Project: Cantung Mine Site Monitoring
 Project No.: ENG.WARC04142-02
 Client: NATCL
 Location: --
 Baseline Reading: 2021-01-07

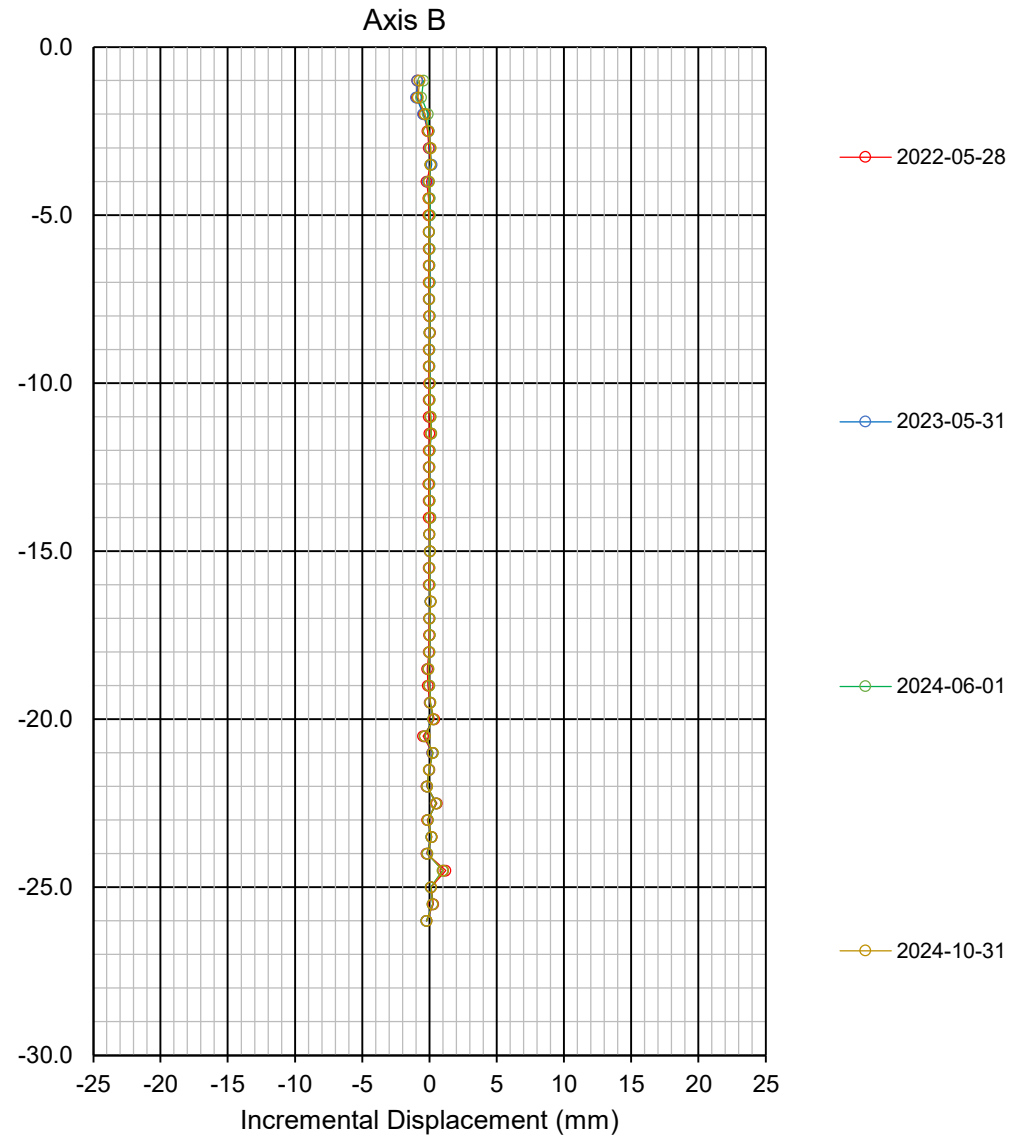
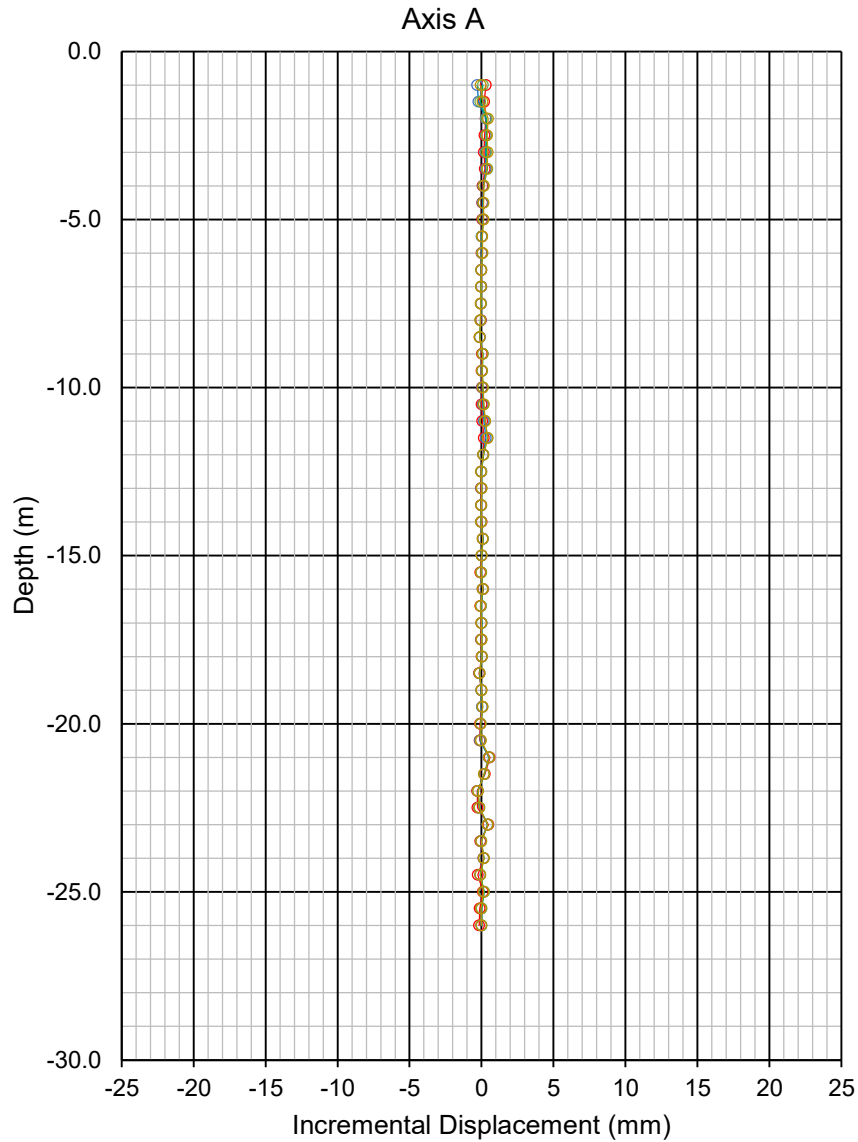
Instrument ID: SI-01
 Coordinates: --
 Top Cap Elevation: --
 Stickup: --
 Bottom Depth: 26.0 m



Incremental Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-07

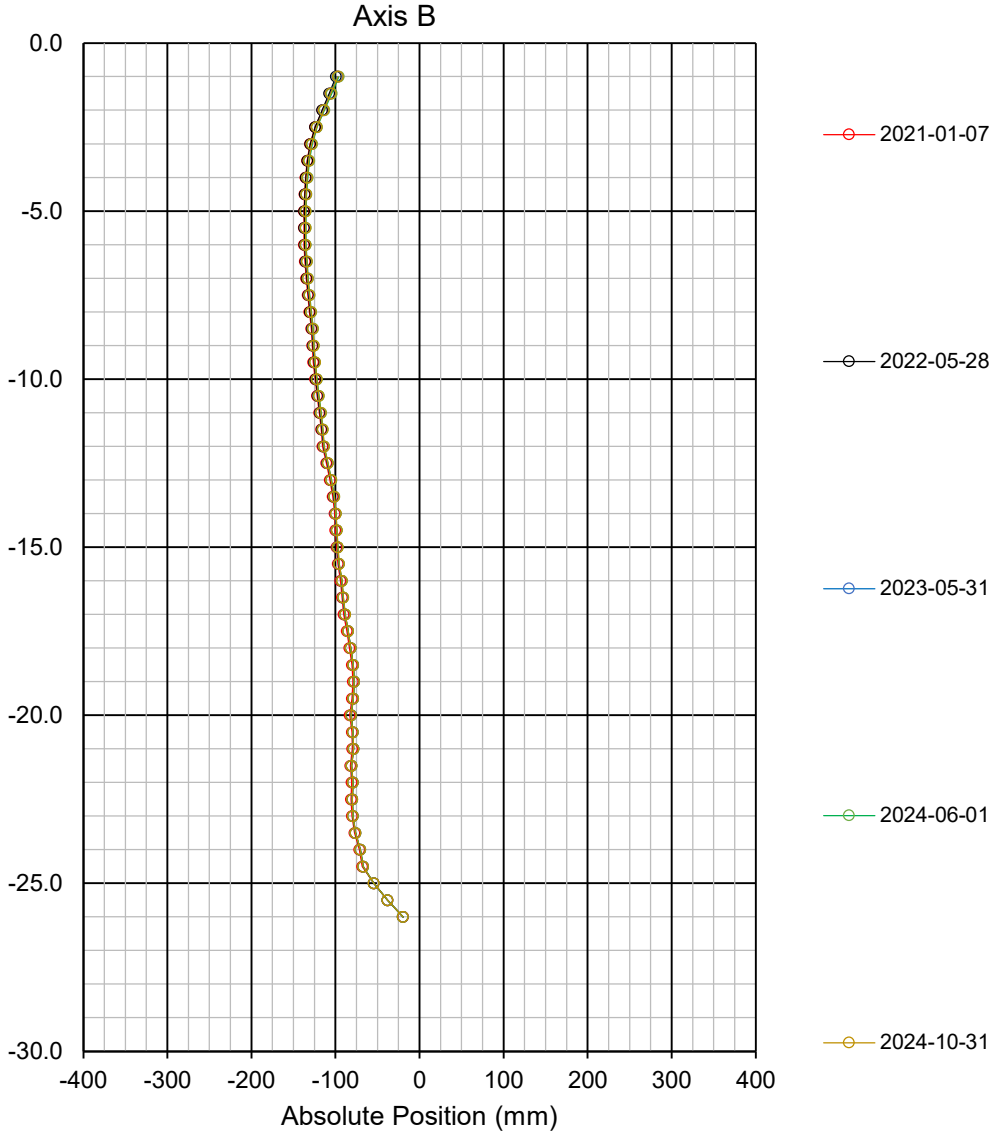
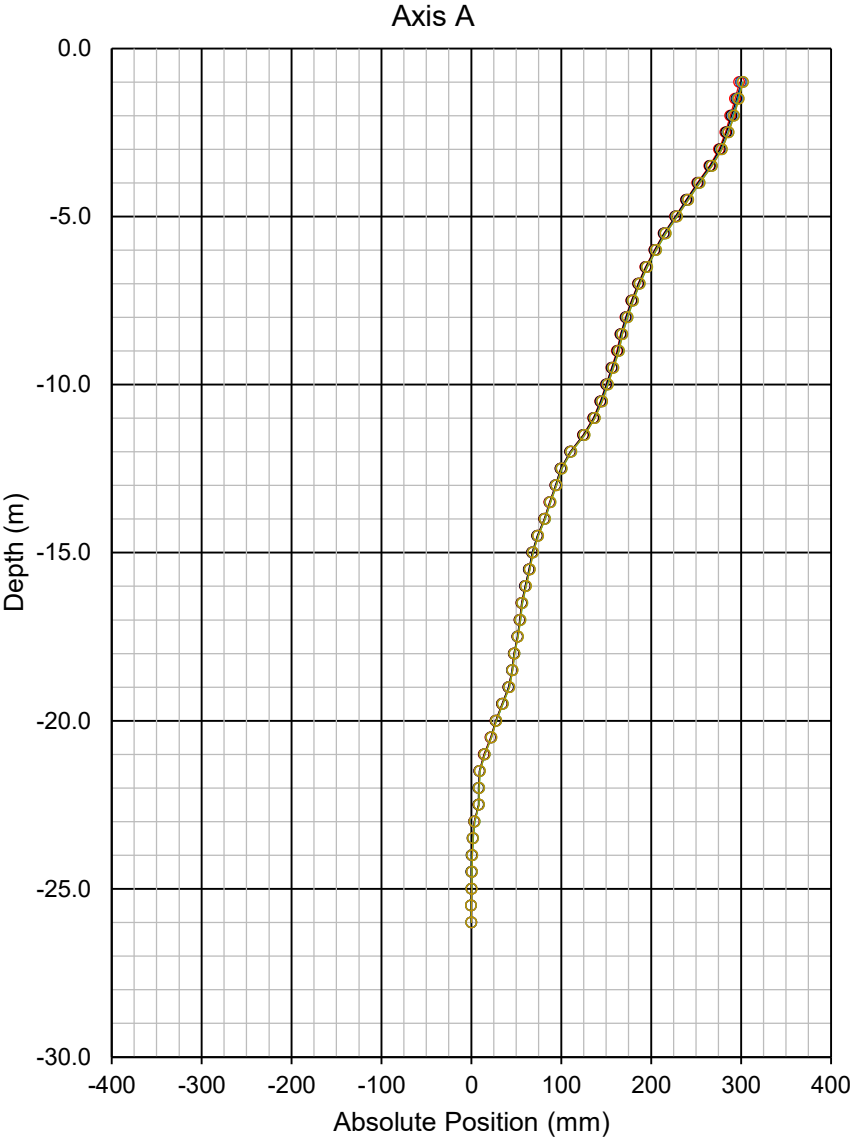
Instrument ID: SI-01
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 26.0 m



Absolute Position

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-07

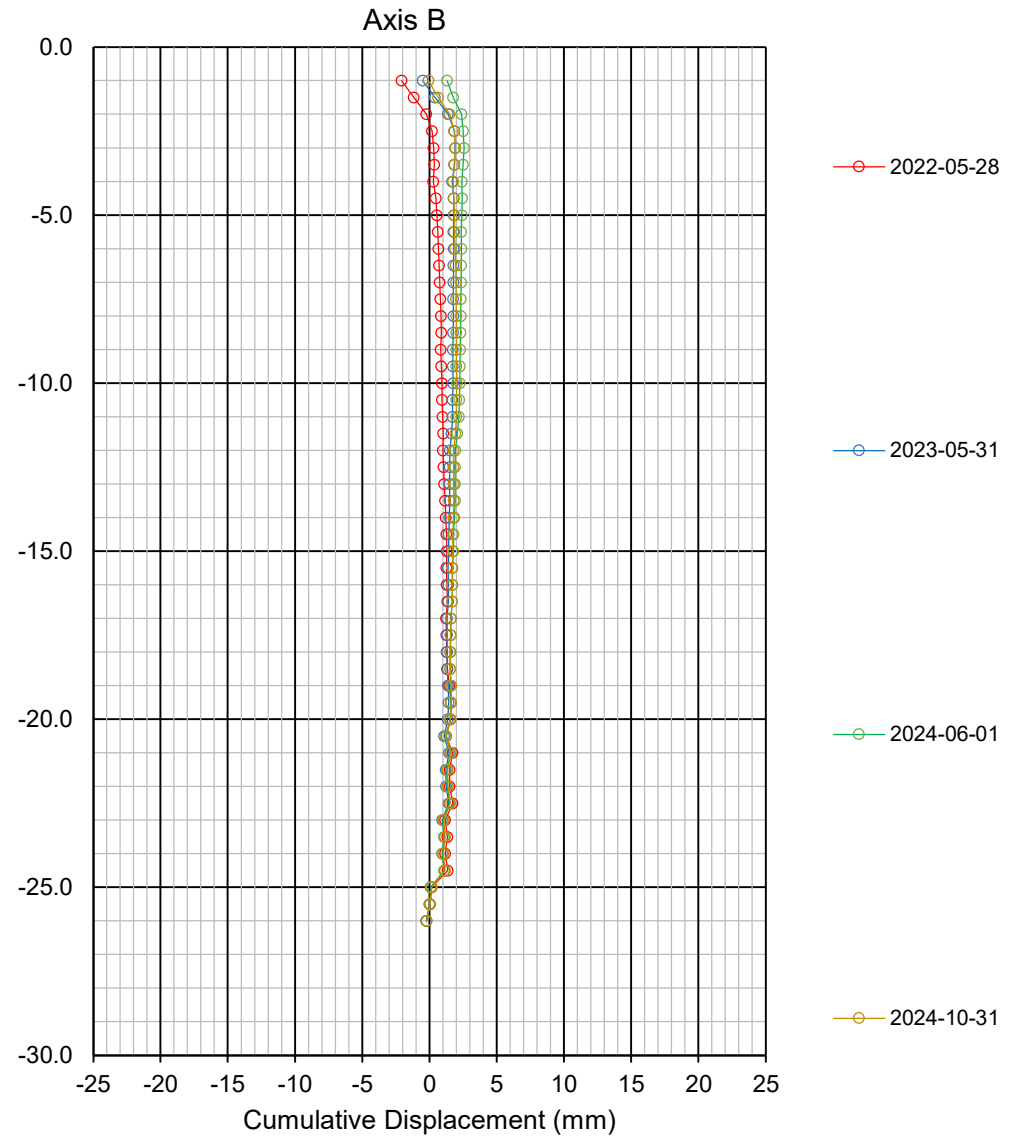
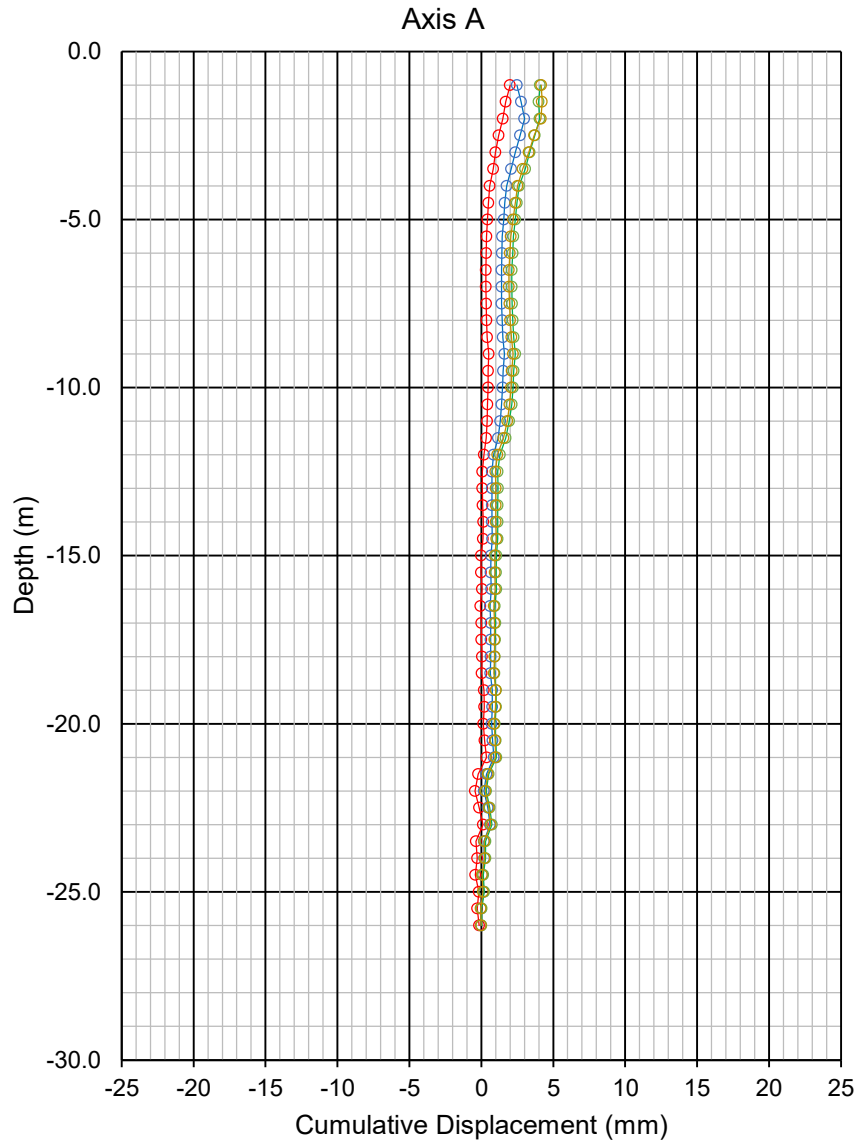
Instrument ID: SI-01
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 26.0 m



Cumulative Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-07

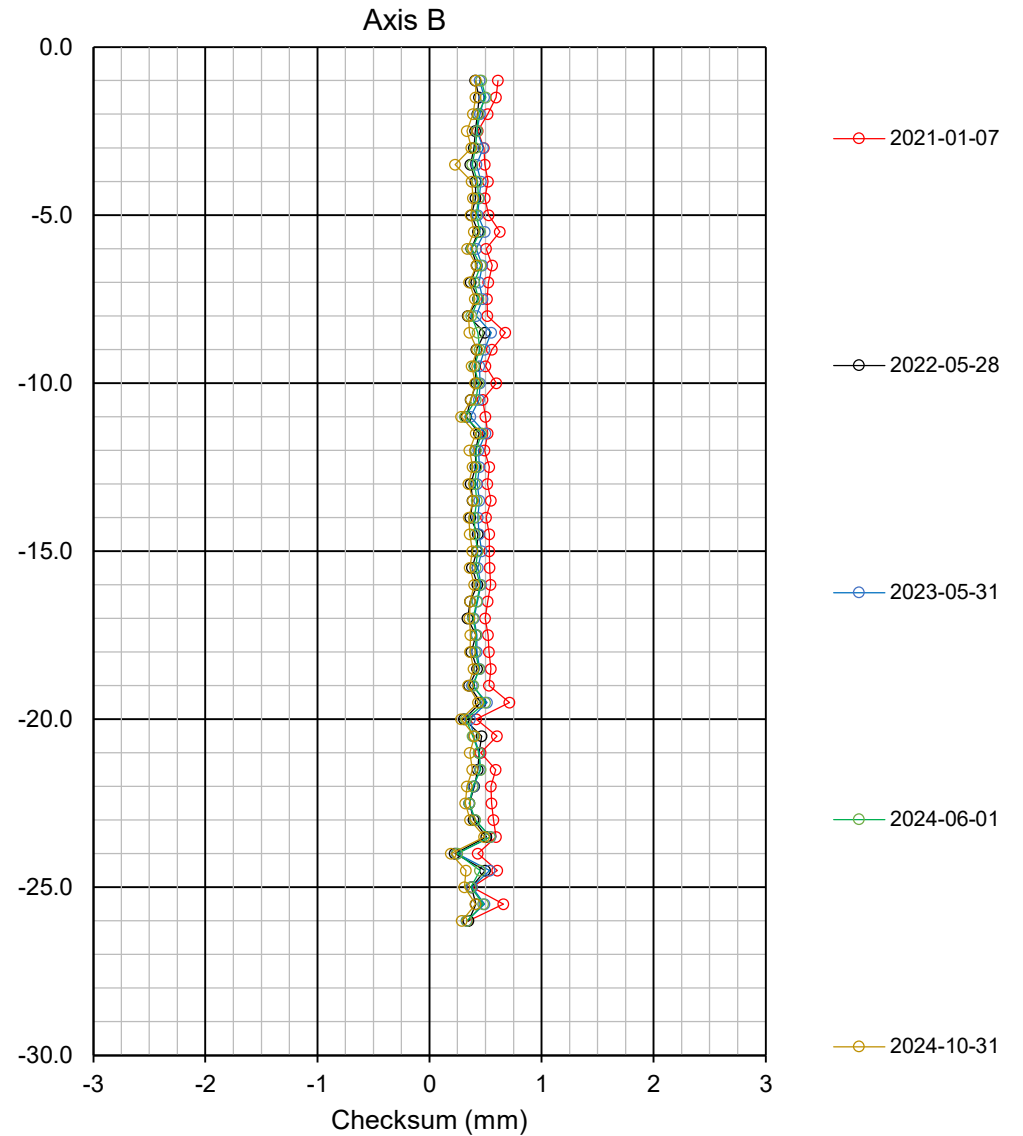
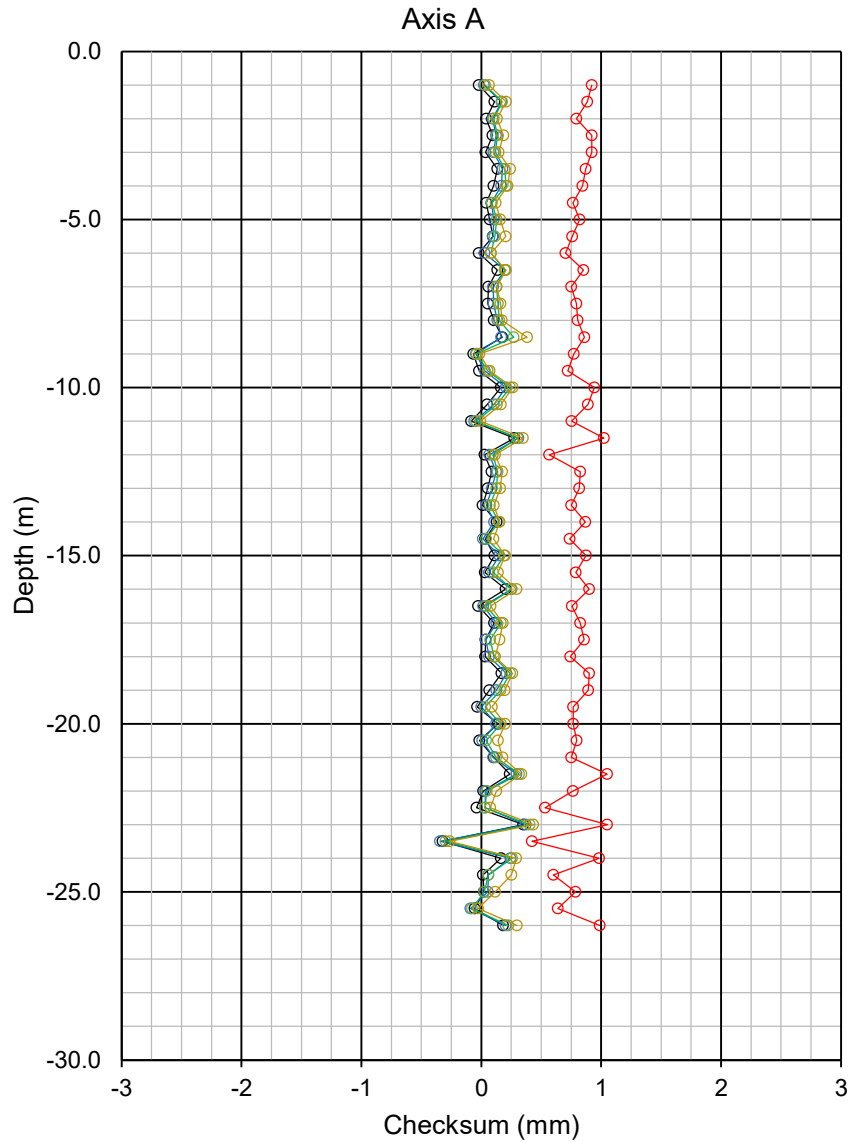
Instrument ID: SI-01
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 26.0 m



Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-07

Checksum

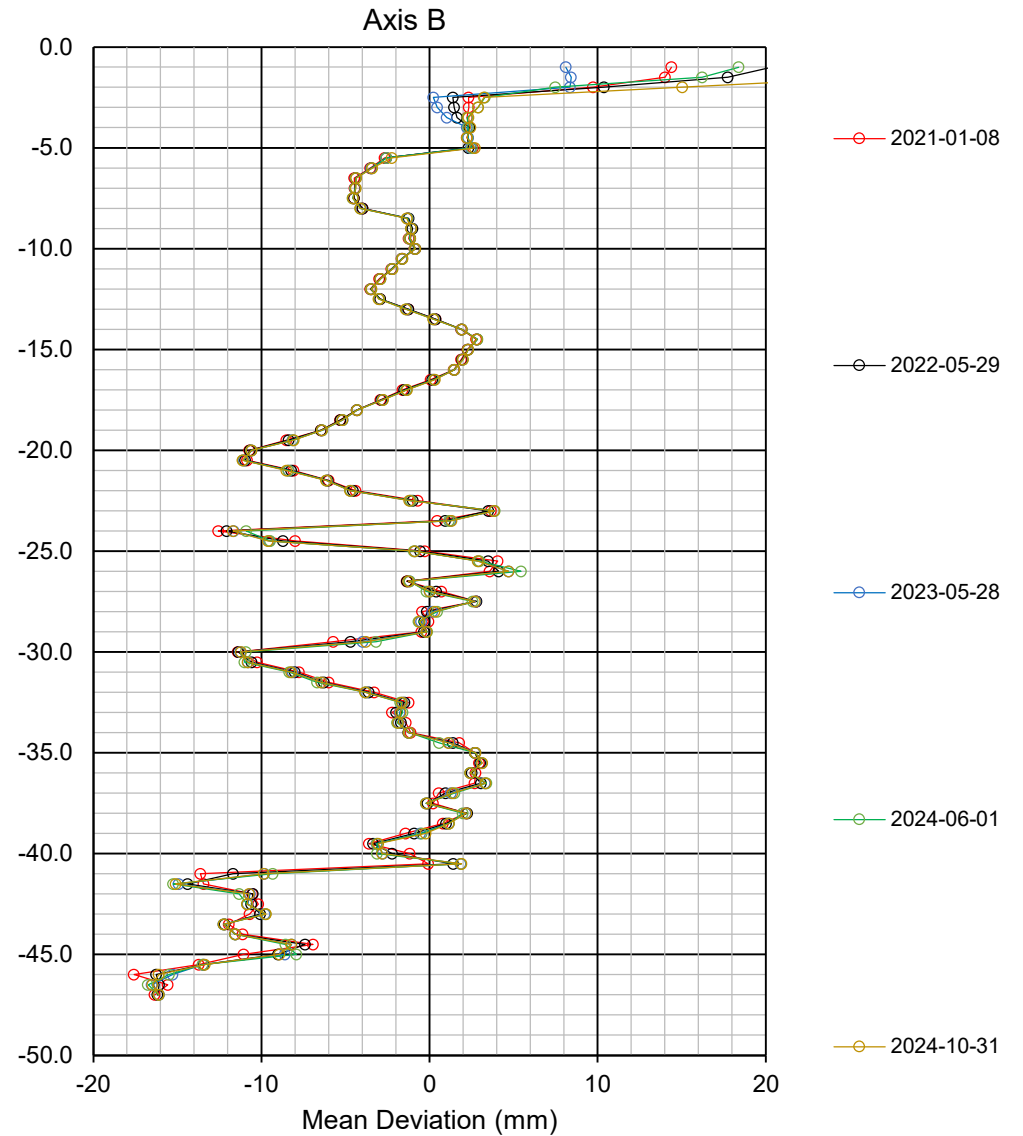
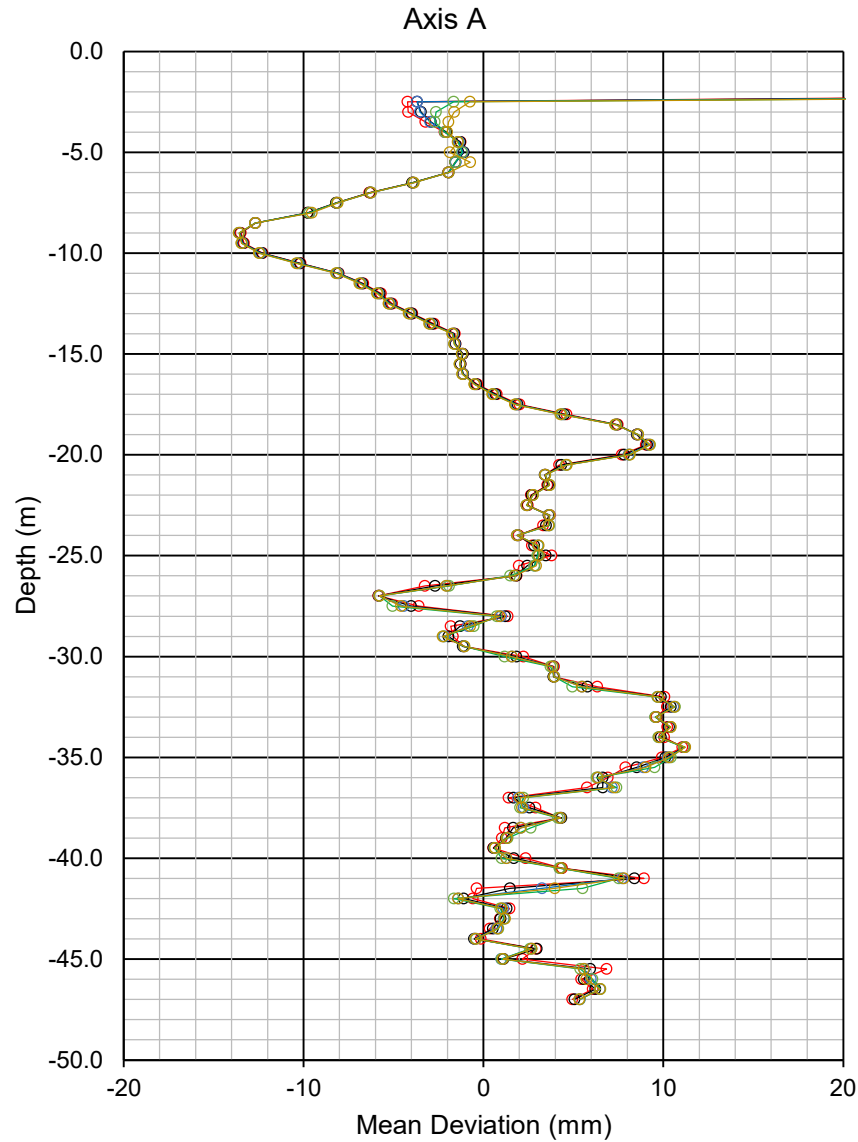
Instrument ID: SI-01
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 26.0 m



Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-08

Instrument ID: SI-02
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 47.0 m

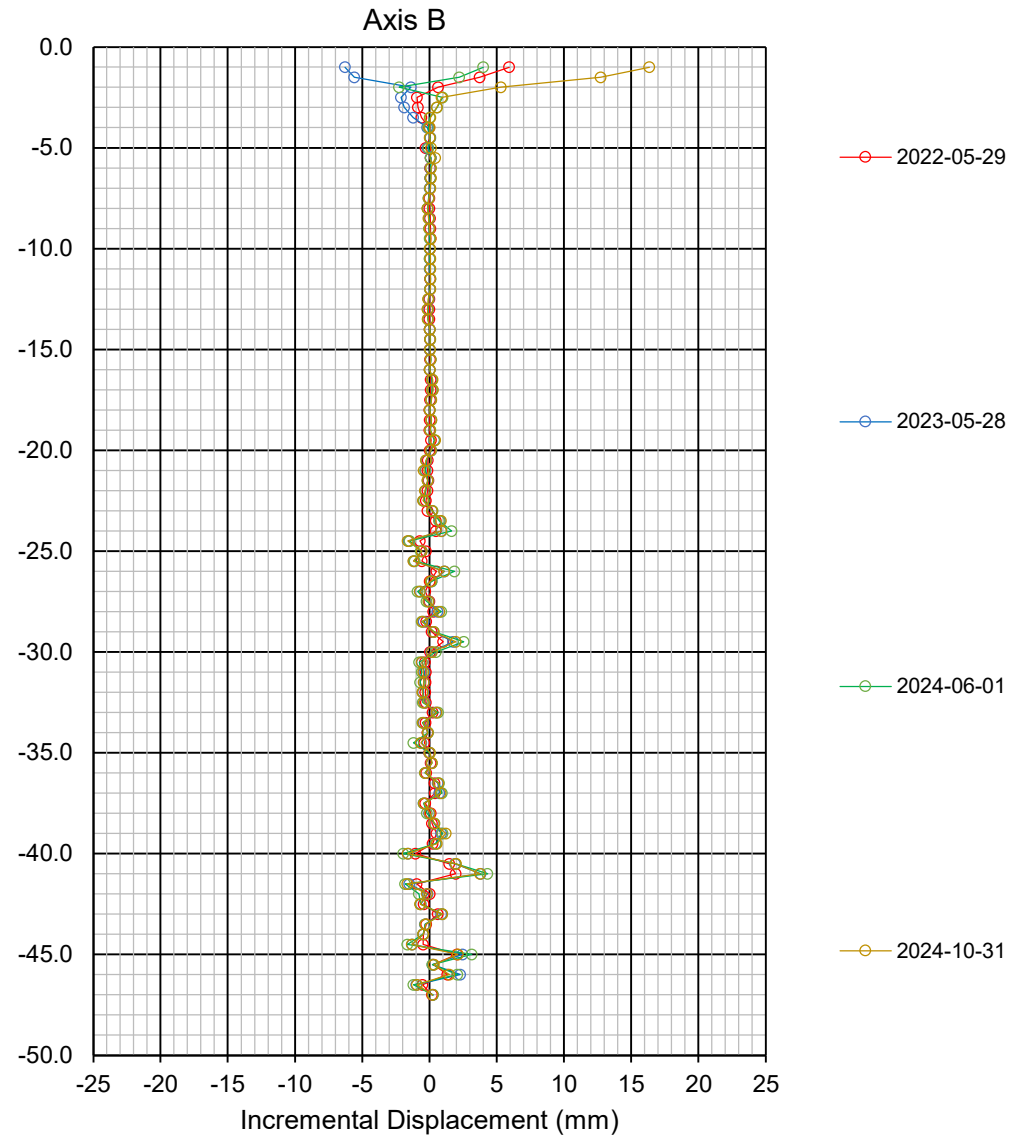
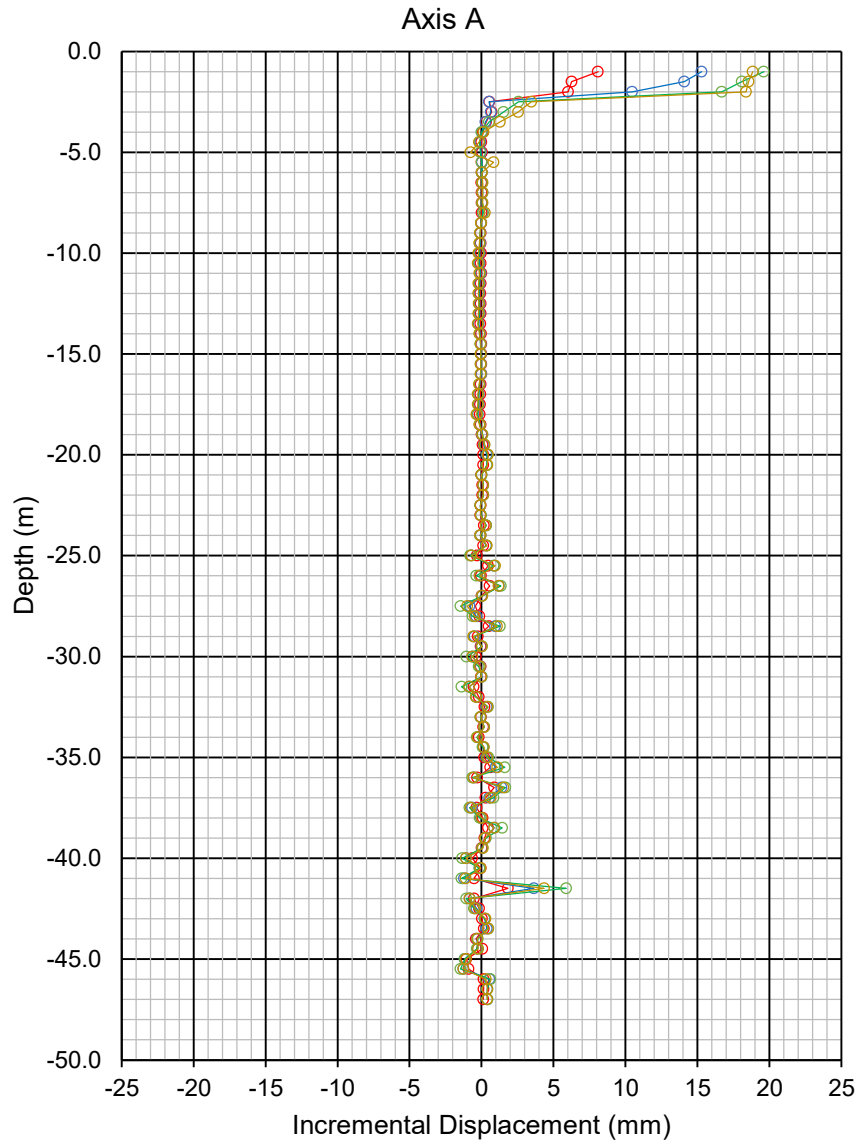
Mean Deviation



Incremental Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-08

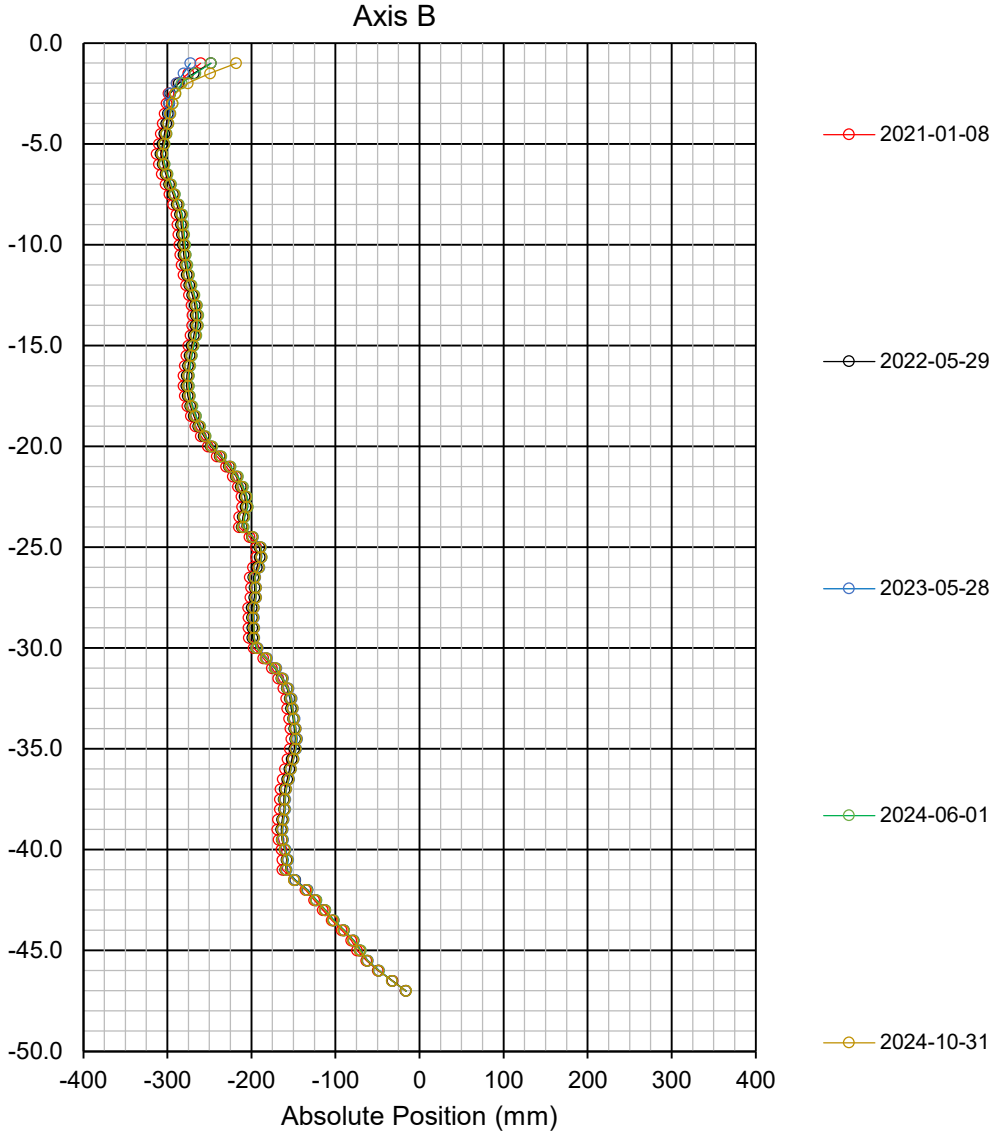
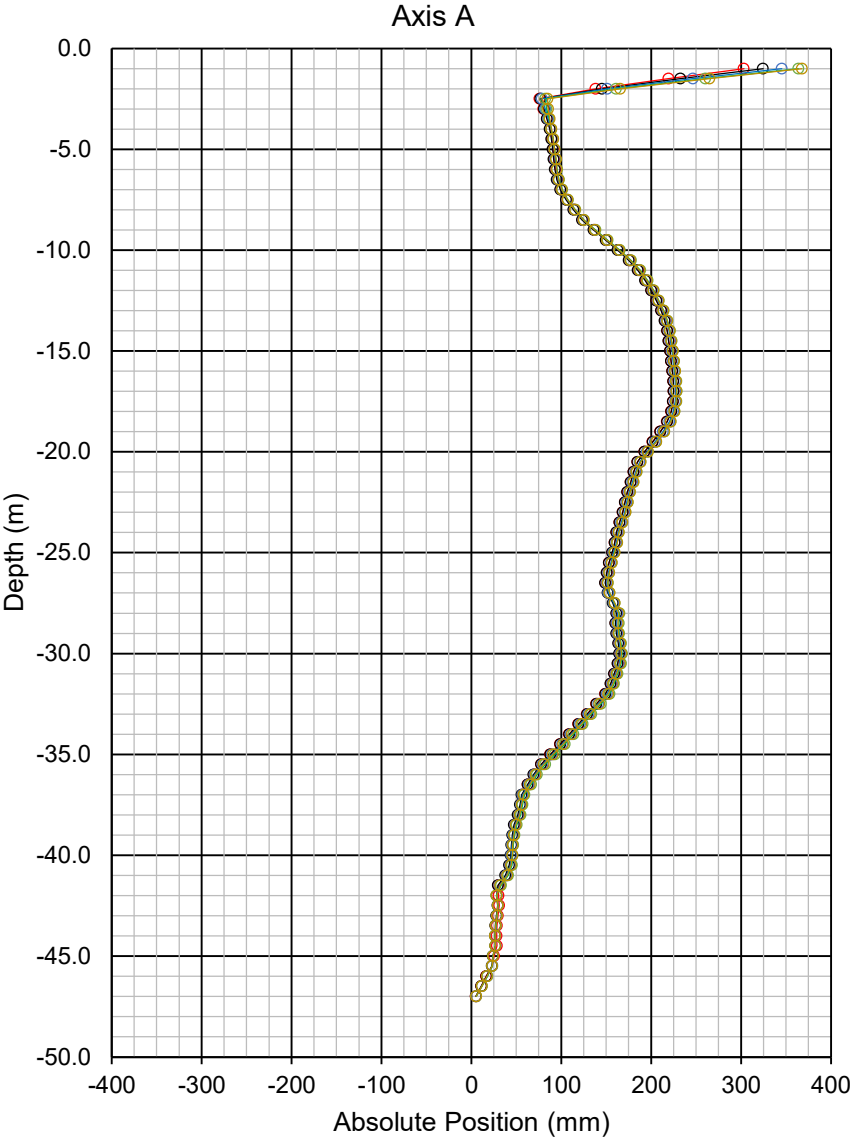
Instrument ID: SI-02
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 47.0 m



Absolute Position

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-08

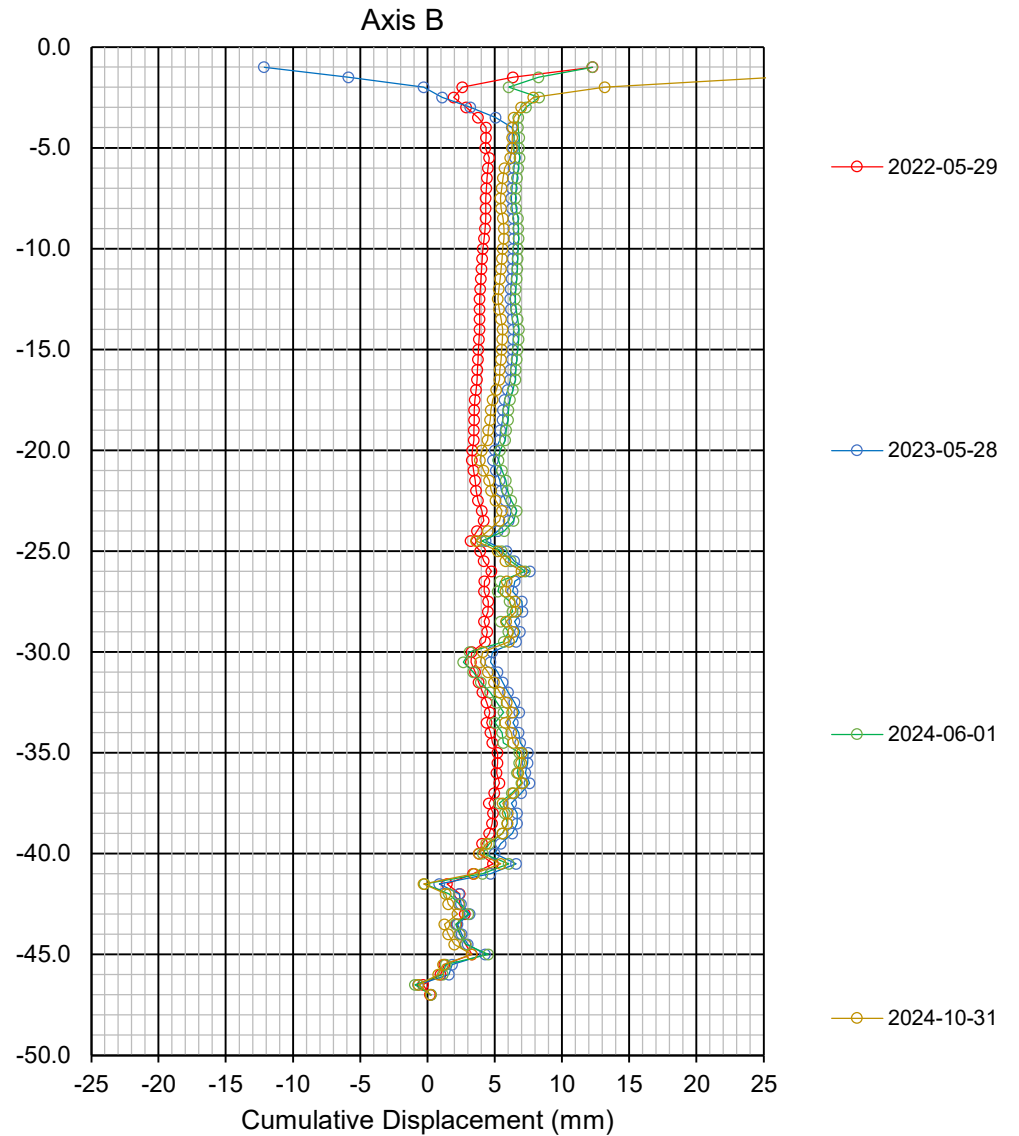
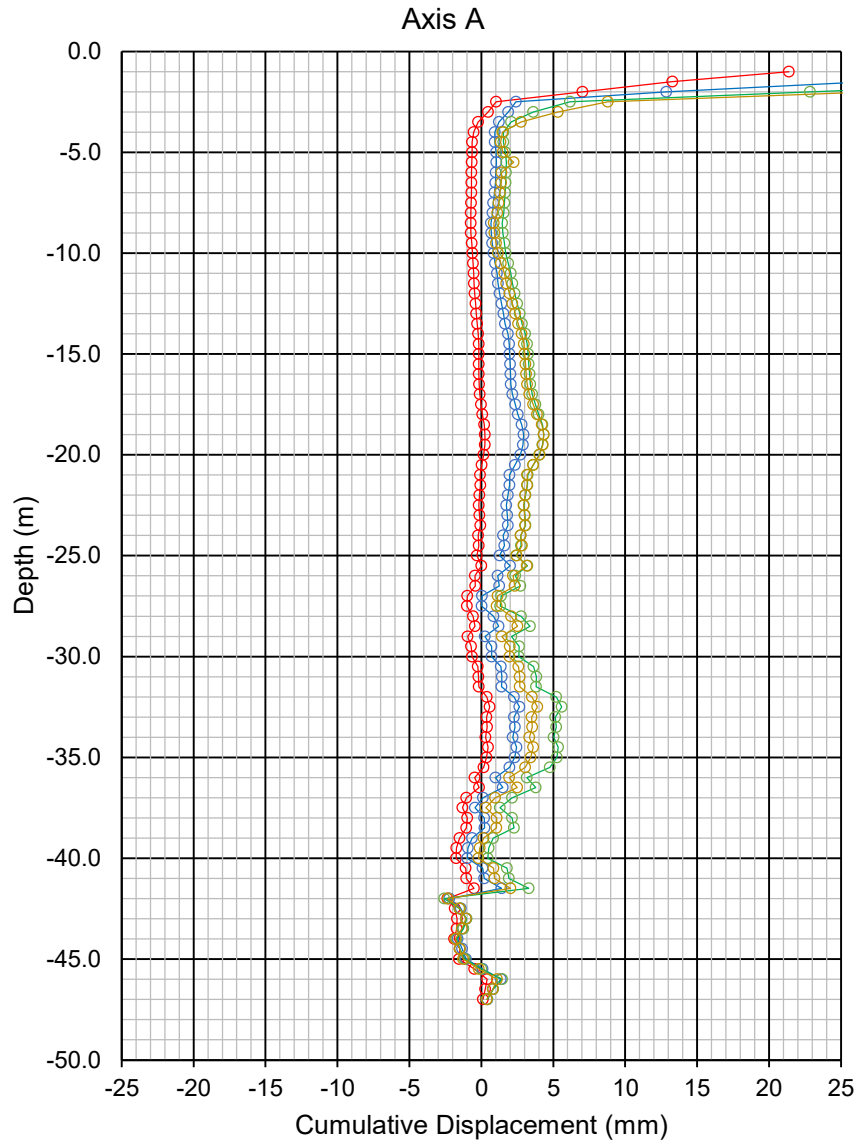
Instrument ID: SI-02
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 47.0 m



Cumulative Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-08

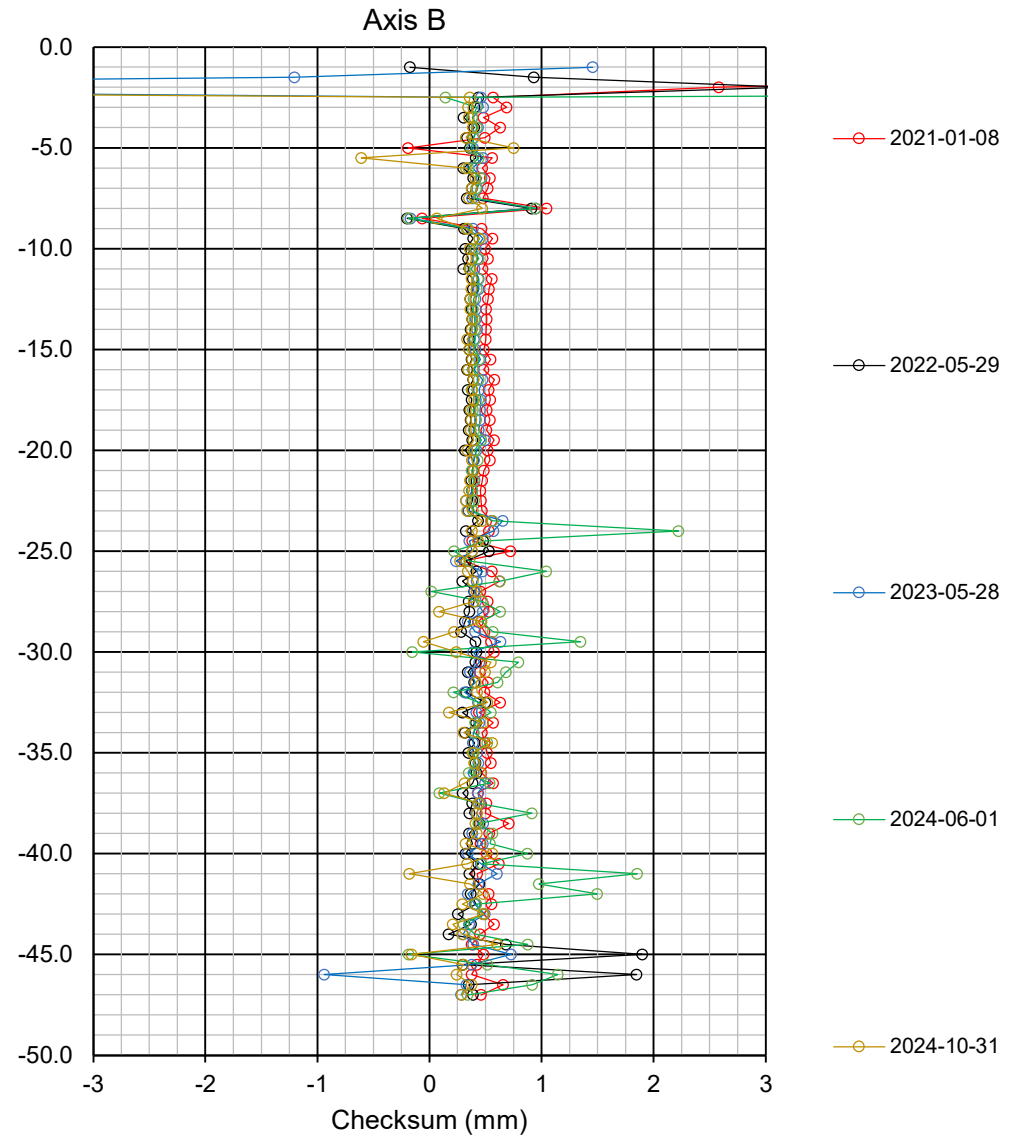
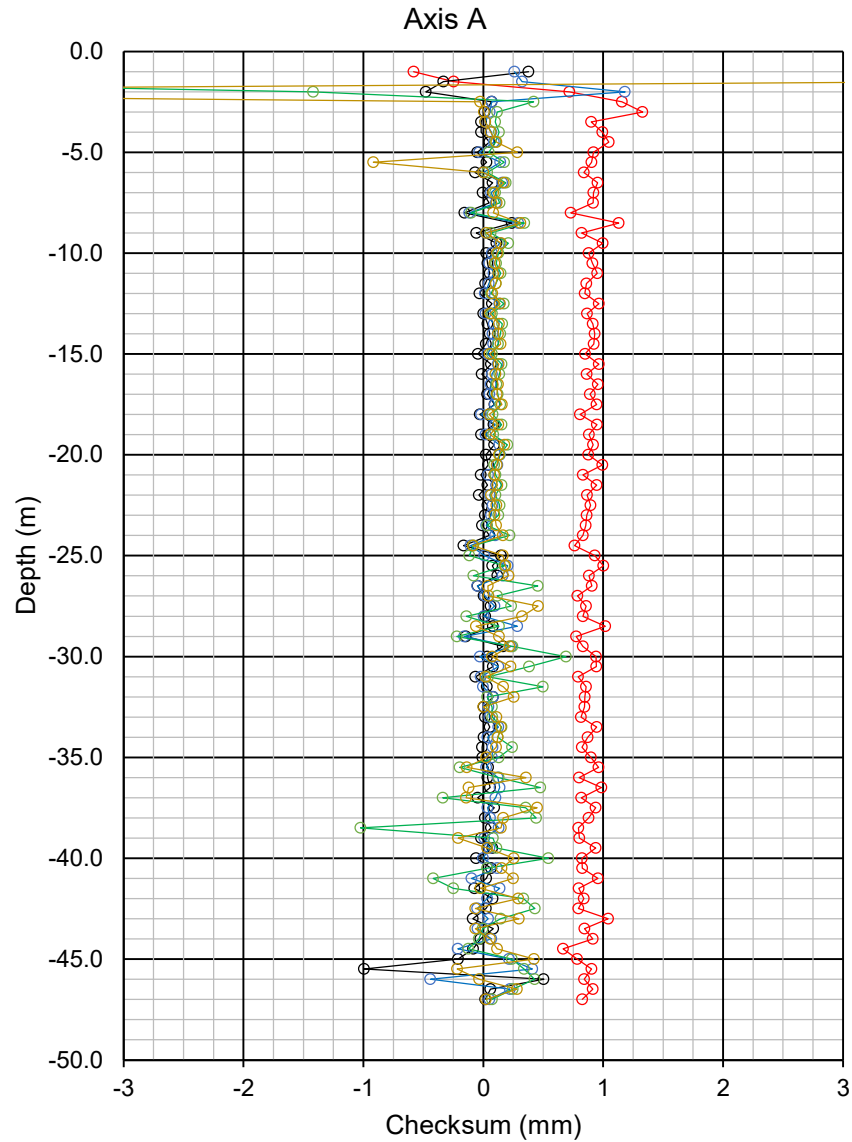
Instrument ID: SI-02
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 47.0 m



Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-08

Checksum

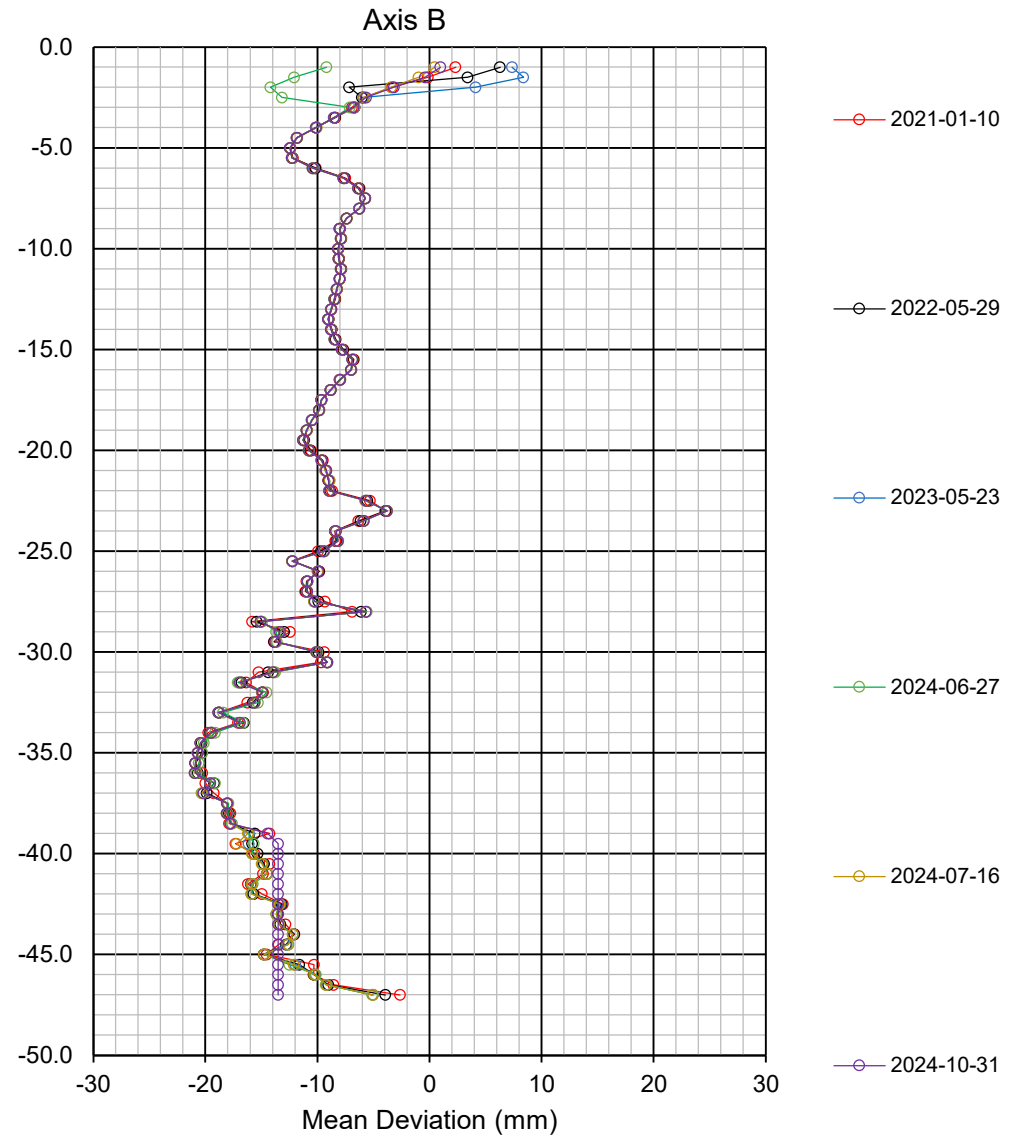
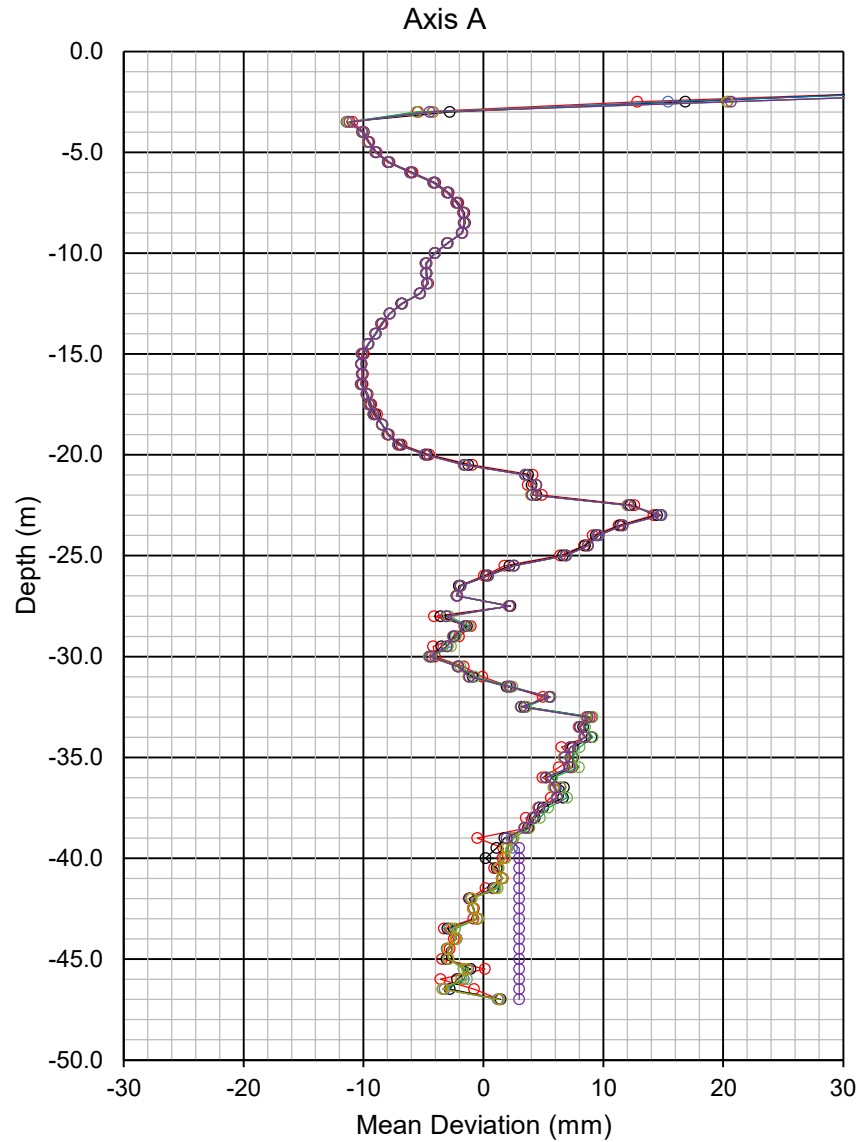
Instrument ID: SI-02
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 47.0 m



Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-10

Instrument ID: SI-03
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 47.0 m

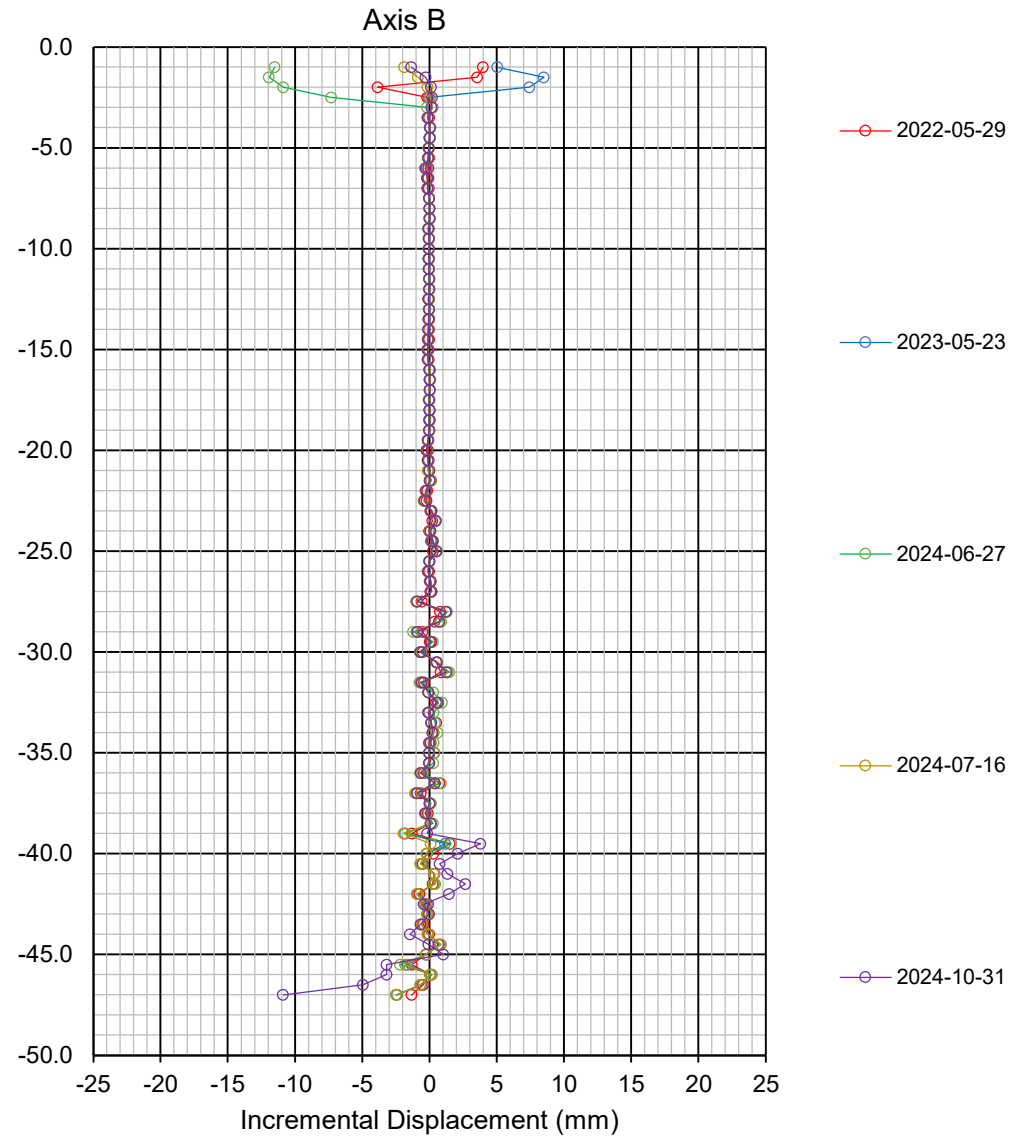
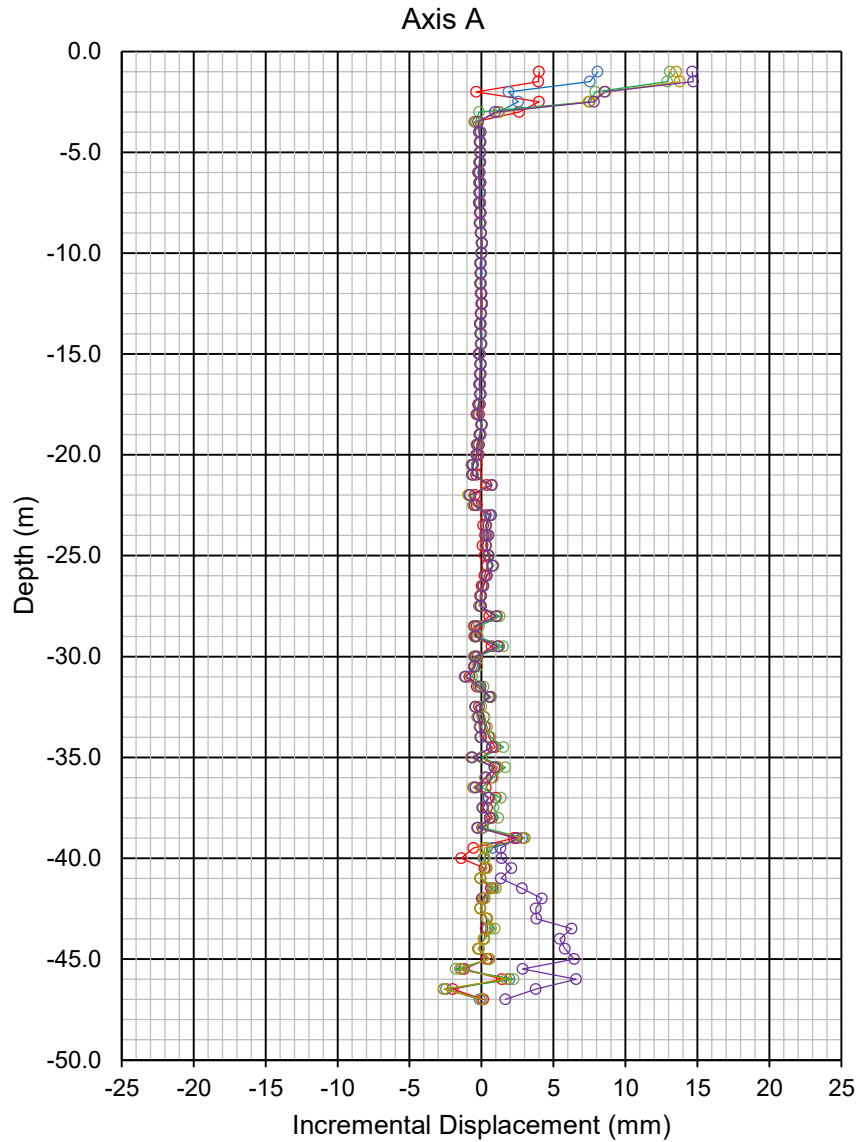
Mean Deviation



Incremental Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-10

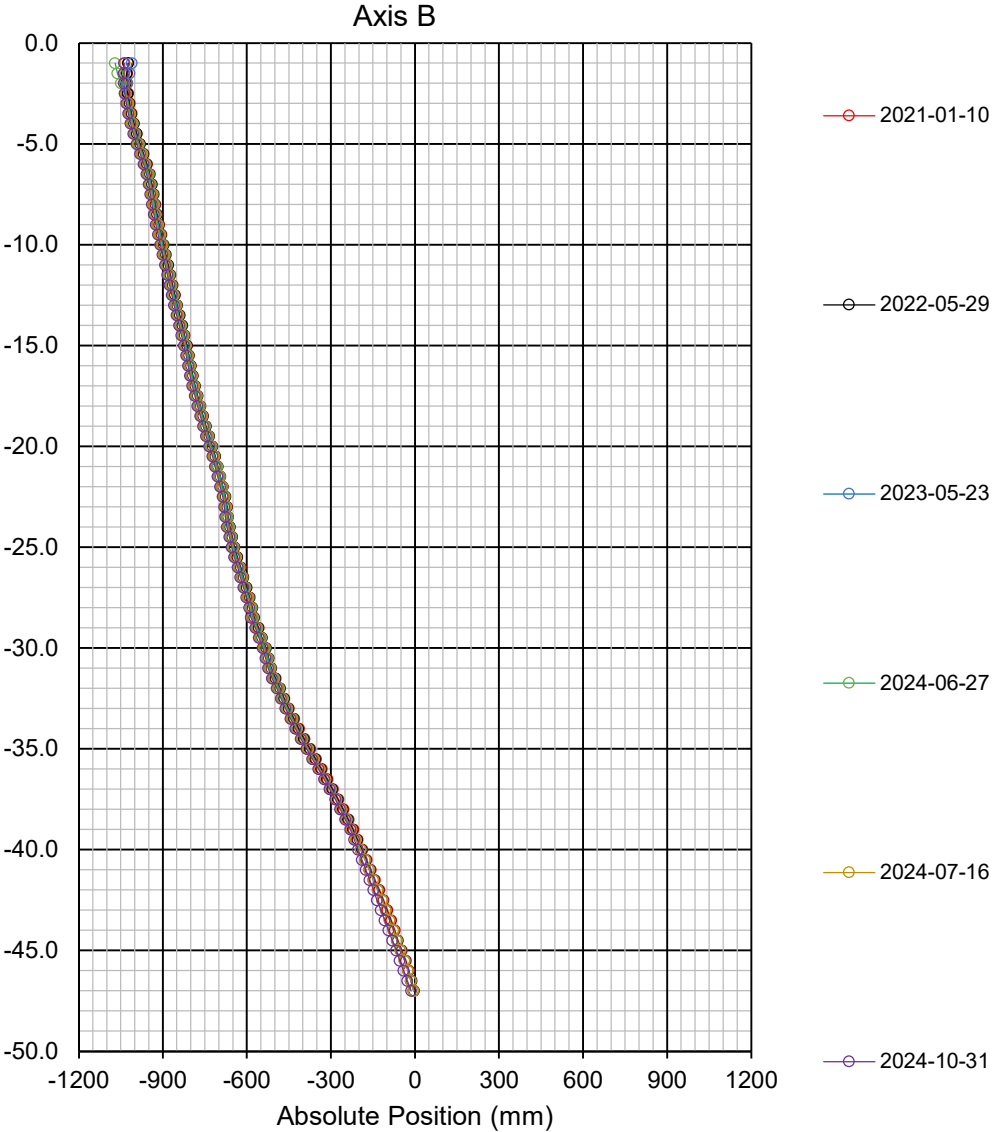
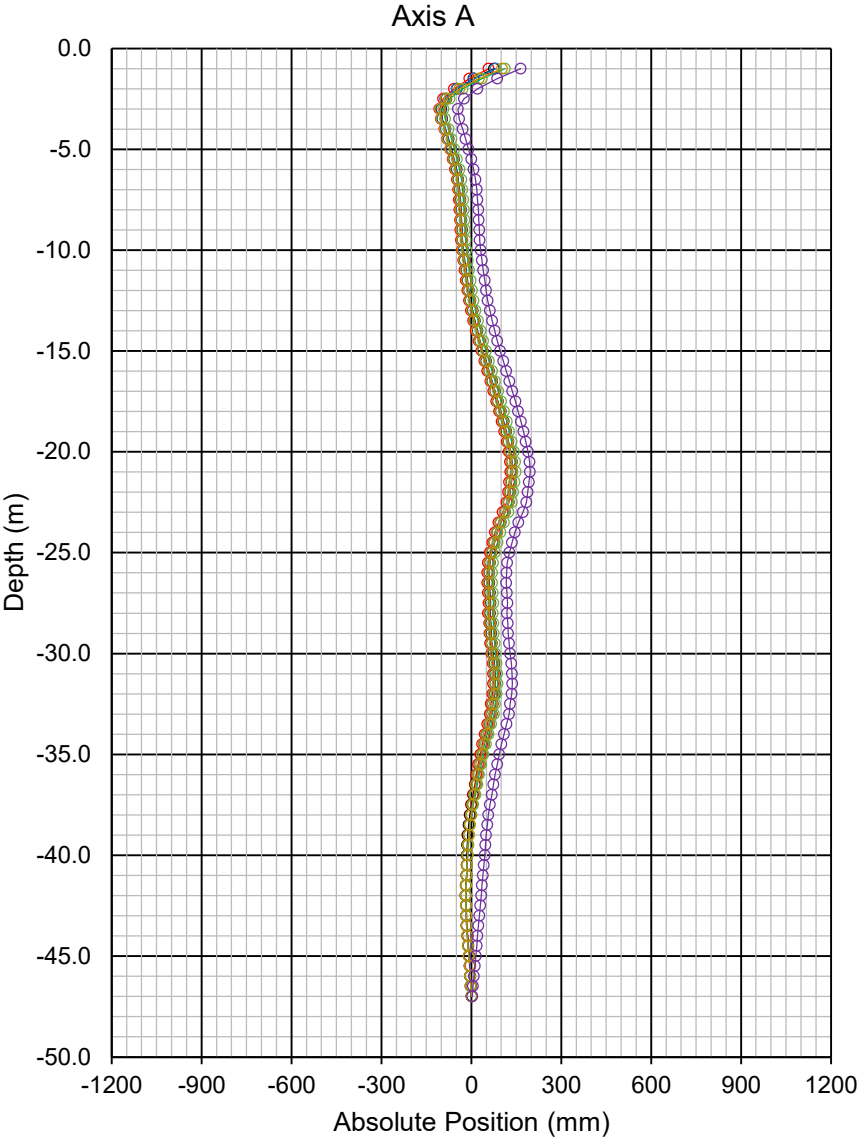
Instrument ID: SI-03
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 47.0 m



Absolute Position

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-10

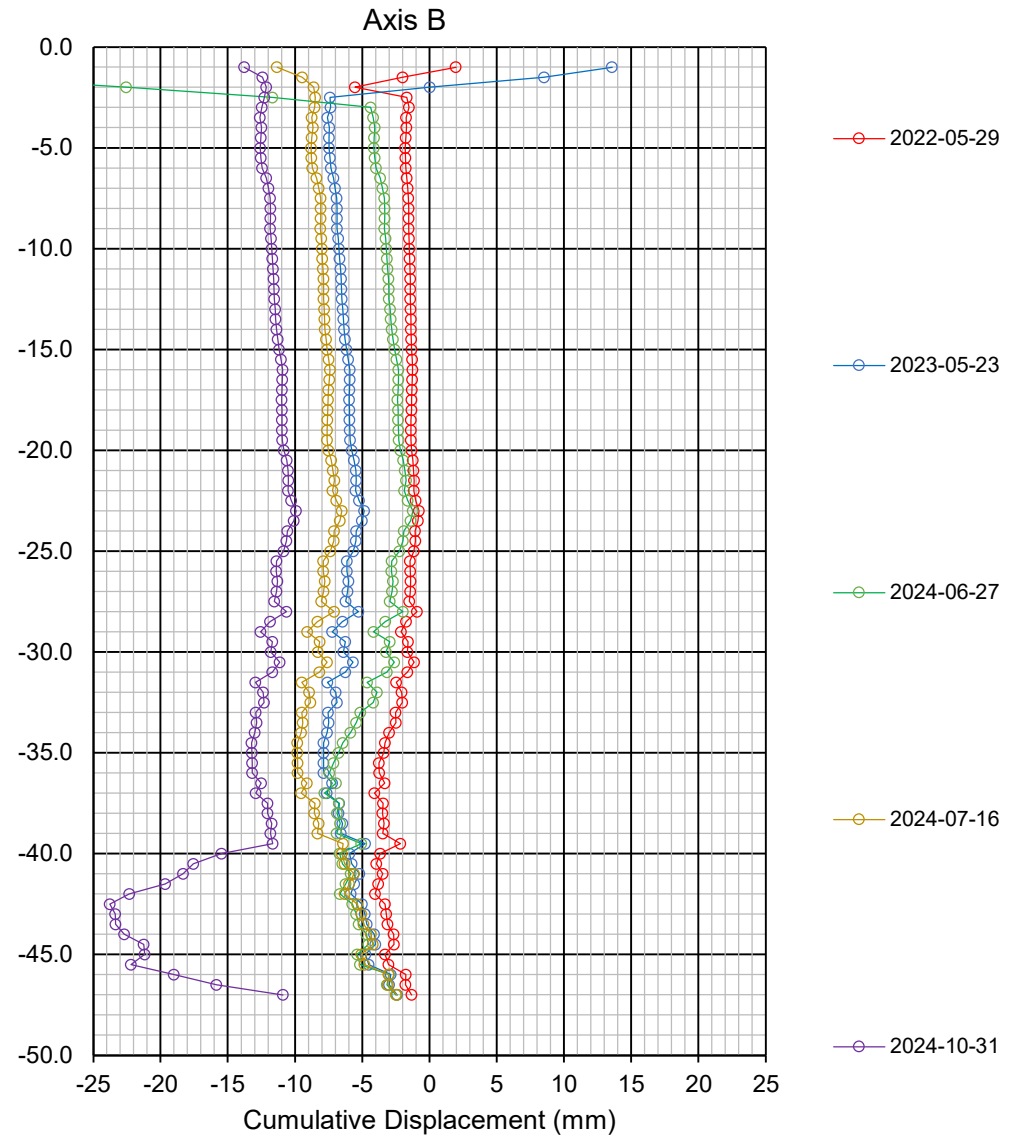
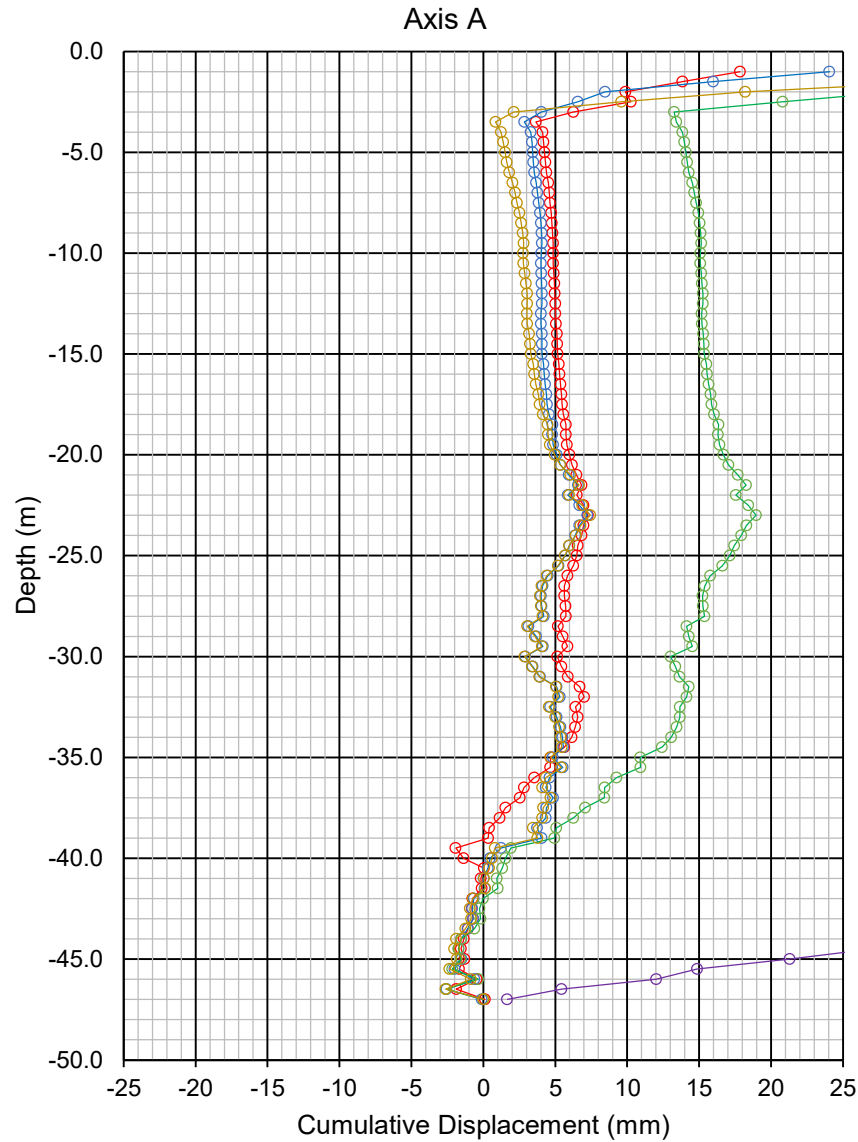
Instrument ID: SI-03
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 47.0 m



Cumulative Displacement

Project: Cantung Mine Site Monitoring
 Project No.: ENG.WARC04142-02
 Client: NATCL
 Location: --
 Baseline Reading: 2021-01-10

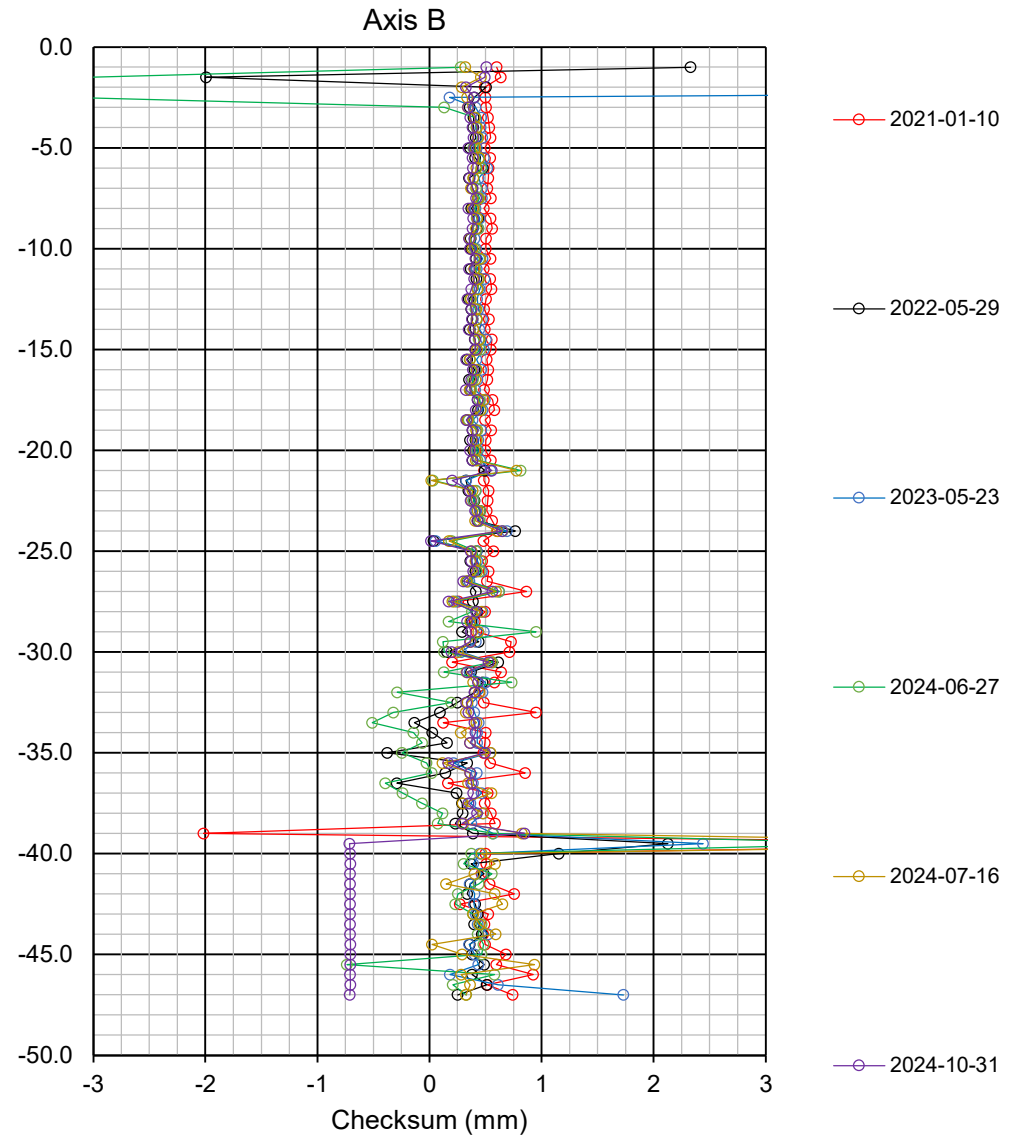
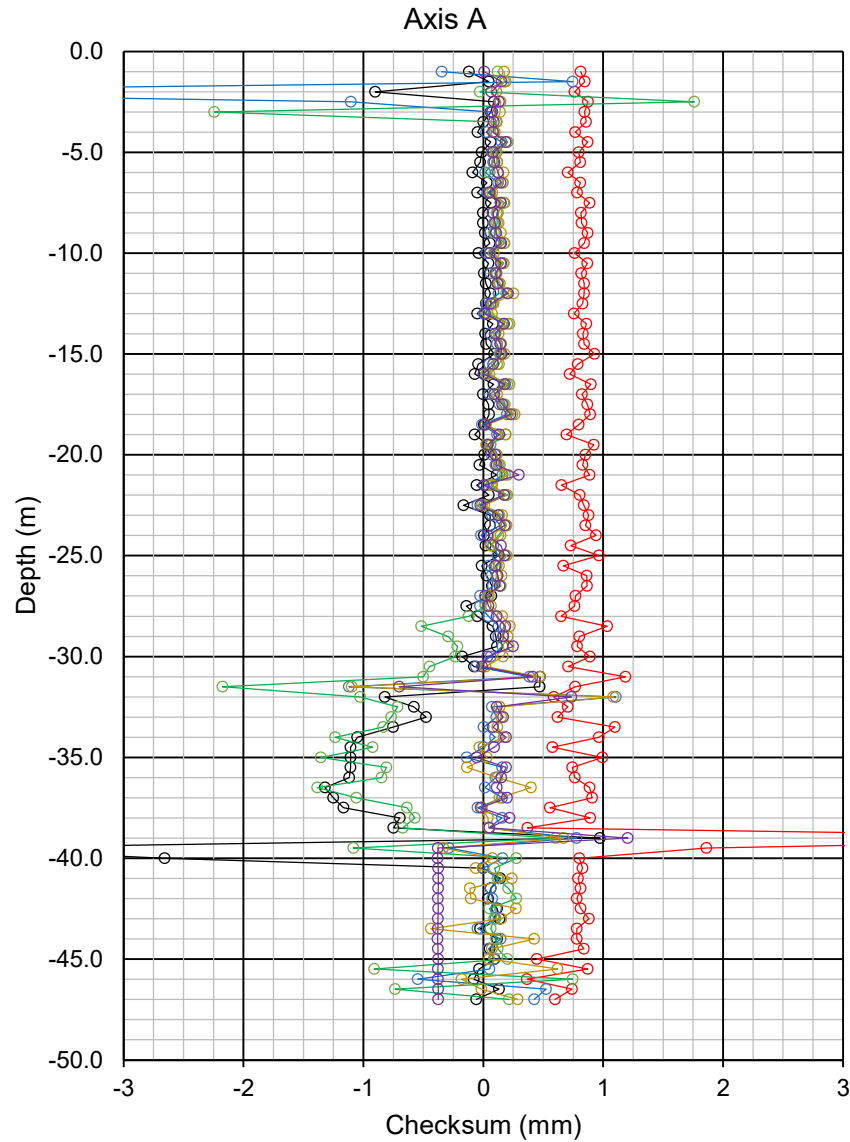
Instrument ID: SI-03
 Coordinates: --
 Top Cap Elevation: --
 Stickup: --
 Bottom Depth: 47.0 m



Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-10

Checksum

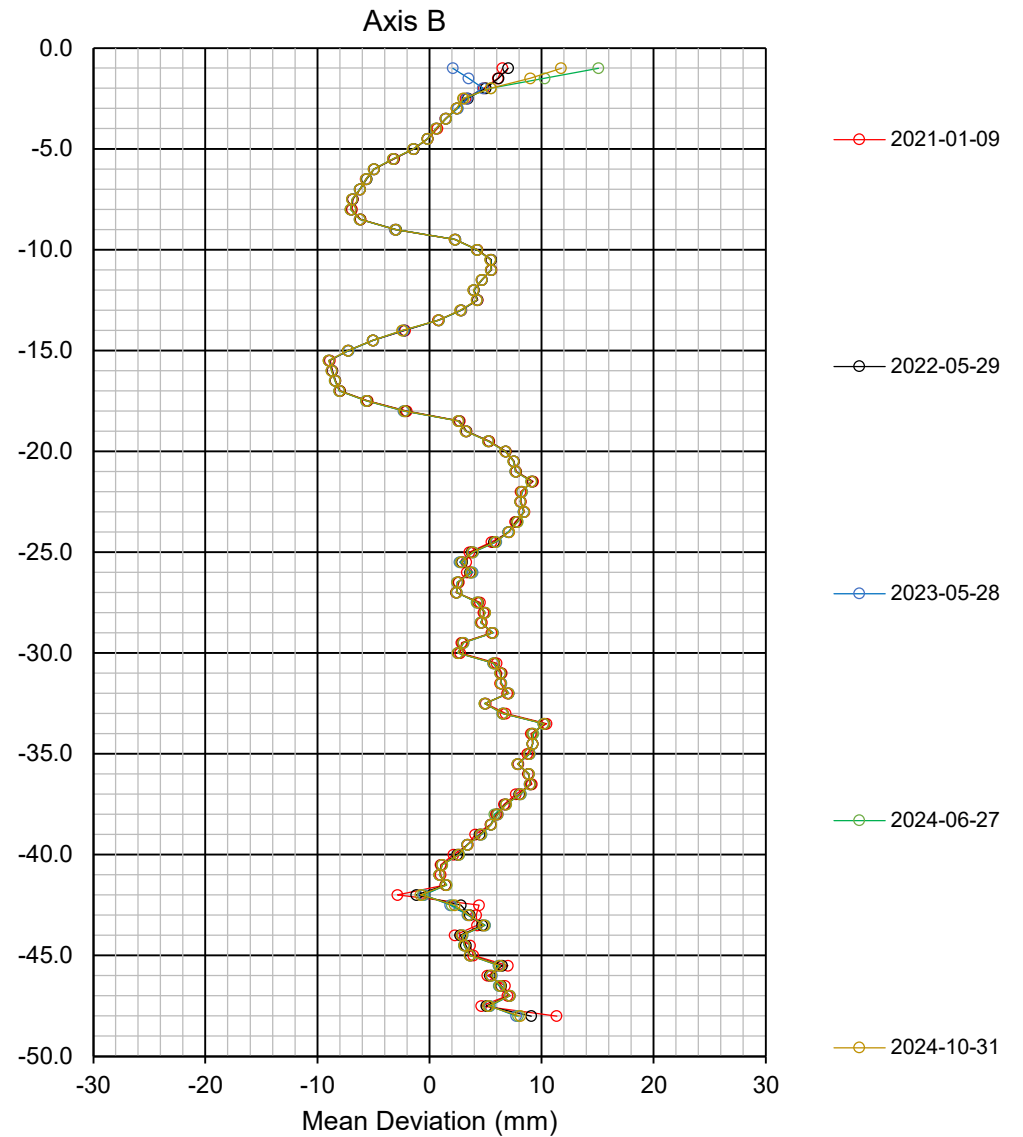
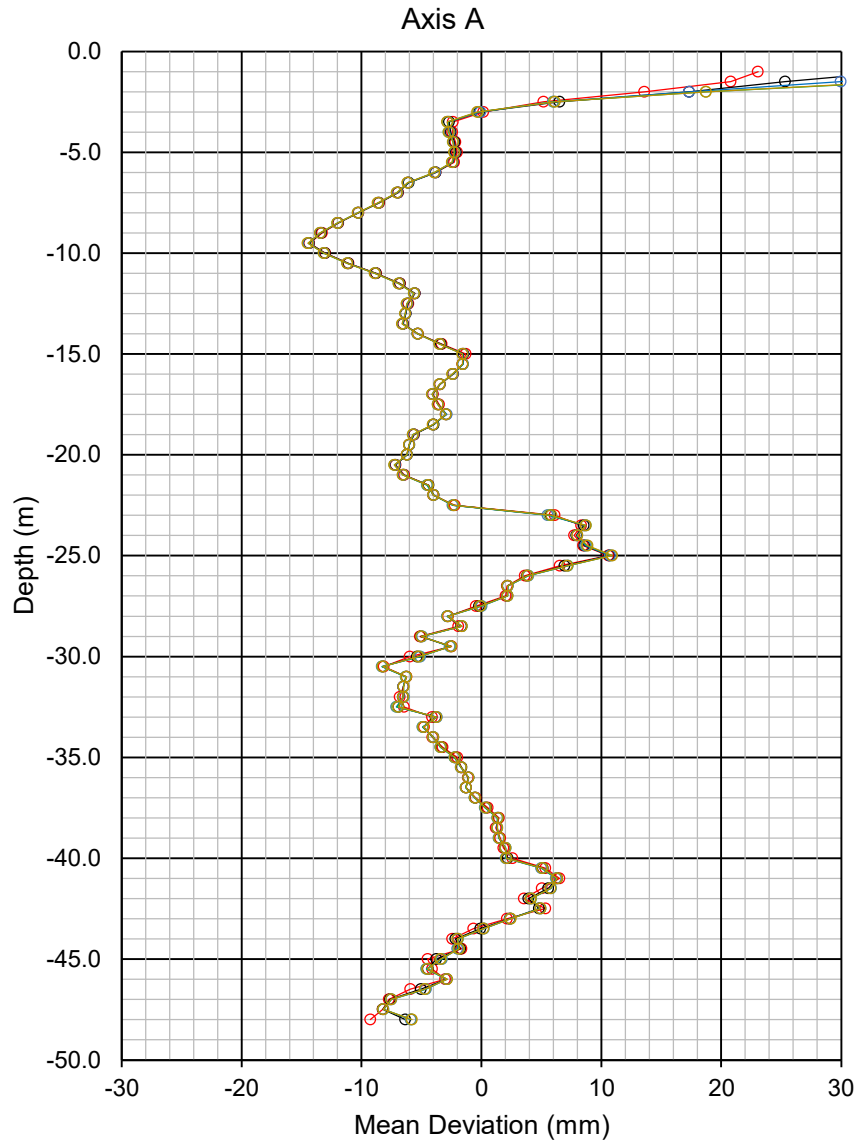
Instrument ID: SI-03
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 47.0 m



Mean Deviation

Project: Cantung Mine Site Monitoring
 Project No.: ENG.WARC04142-02
 Client: NATCL
 Location: --
 Baseline Reading: 2021-01-09

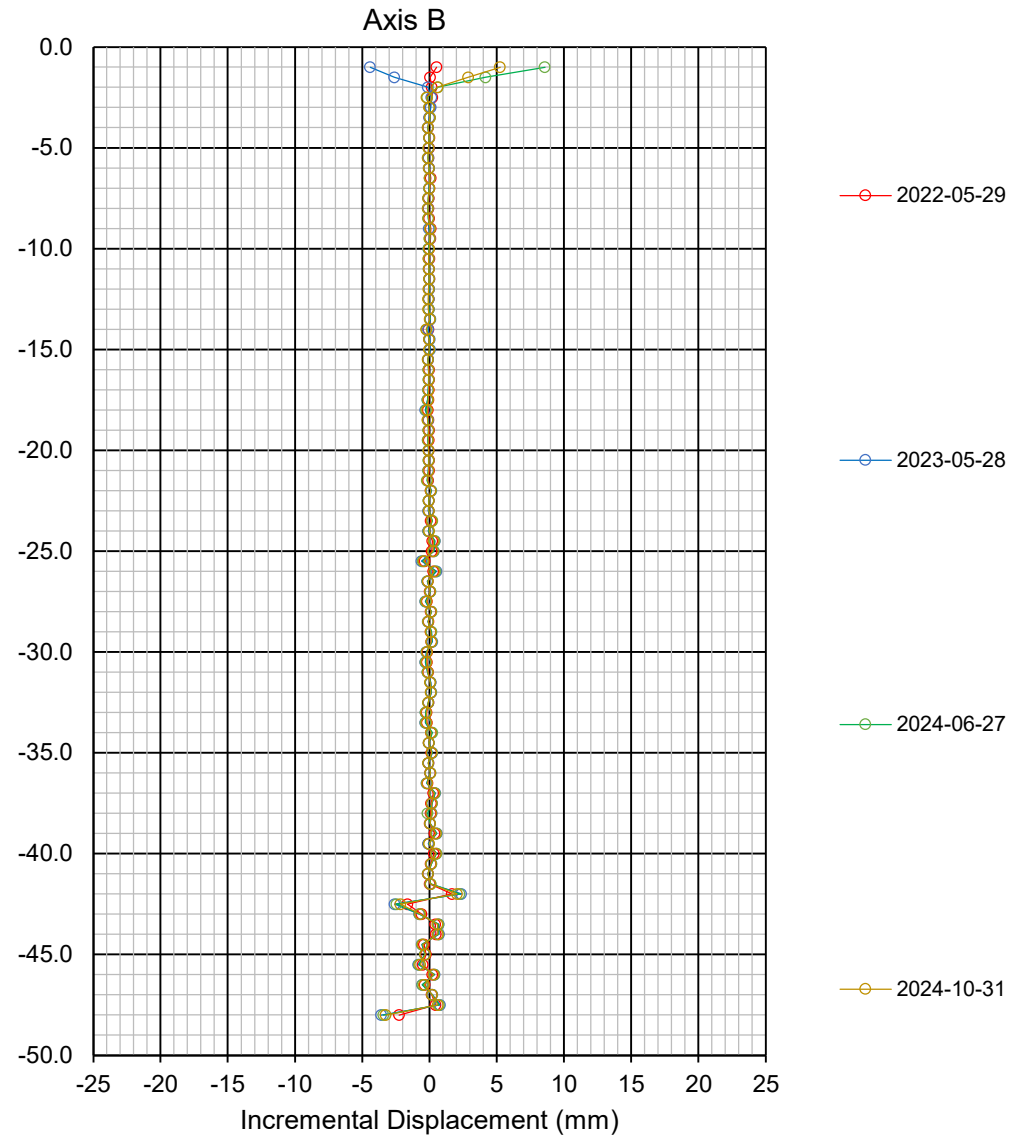
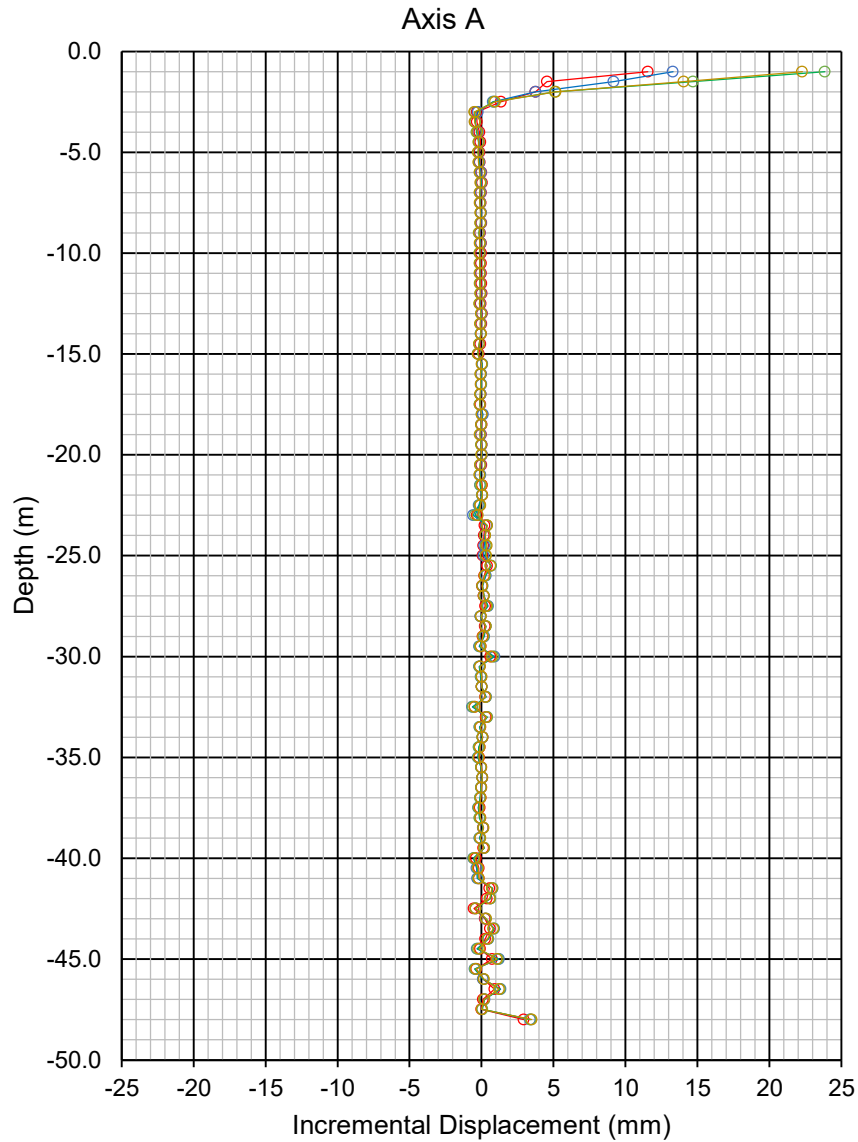
Instrument ID: SI-04
 Coordinates: --
 Top Cap Elevation: --
 Stickup: --
 Bottom Depth: 48.0 m



Incremental Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-09

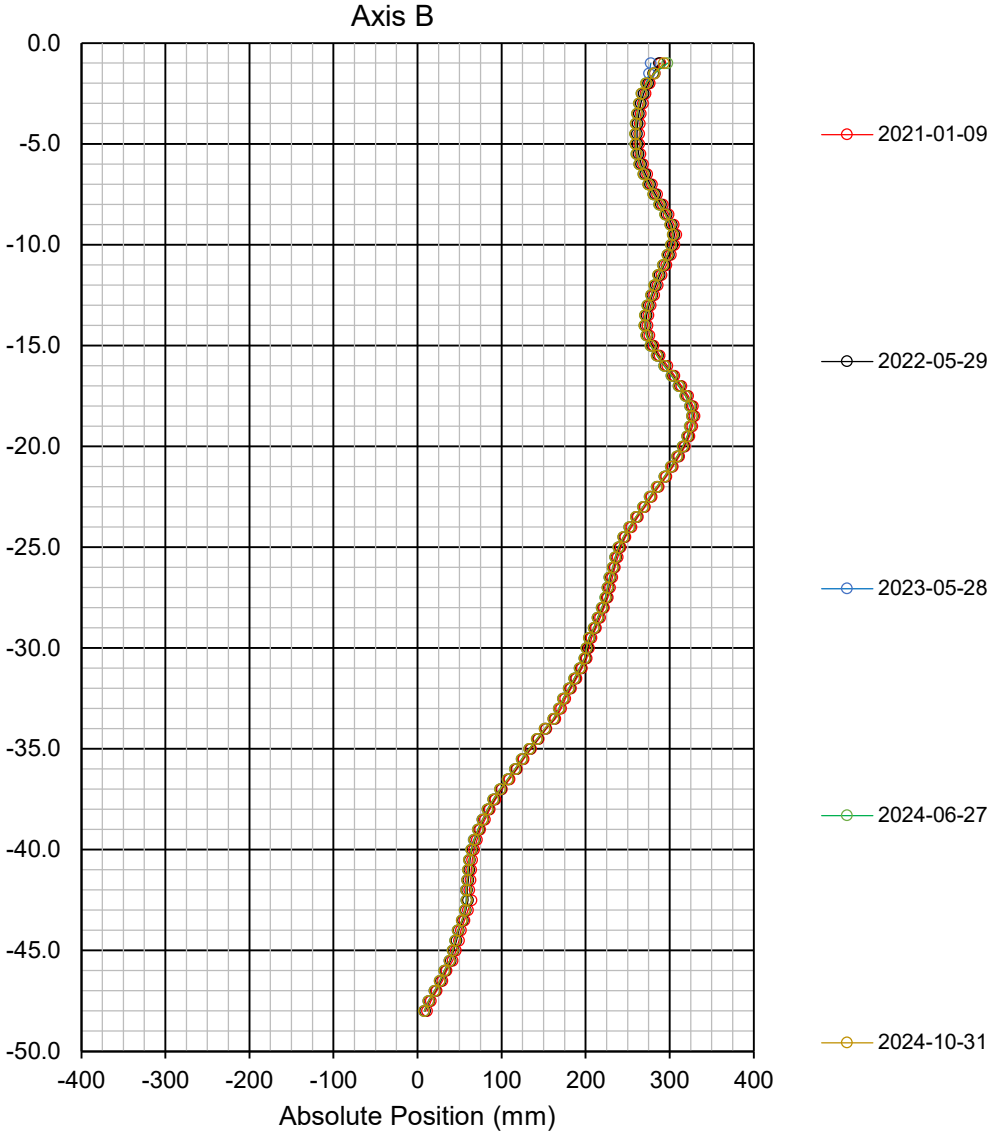
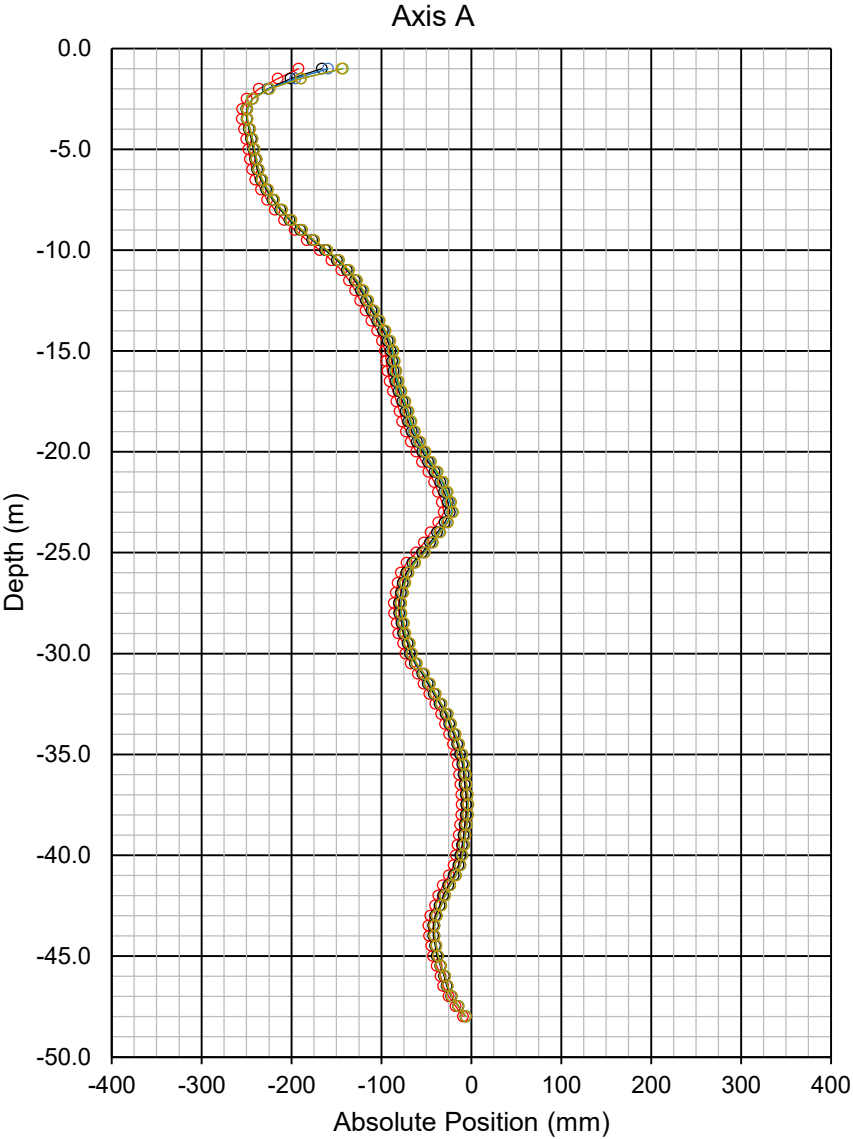
Instrument ID: SI-04
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 48.0 m



Absolute Position

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-09

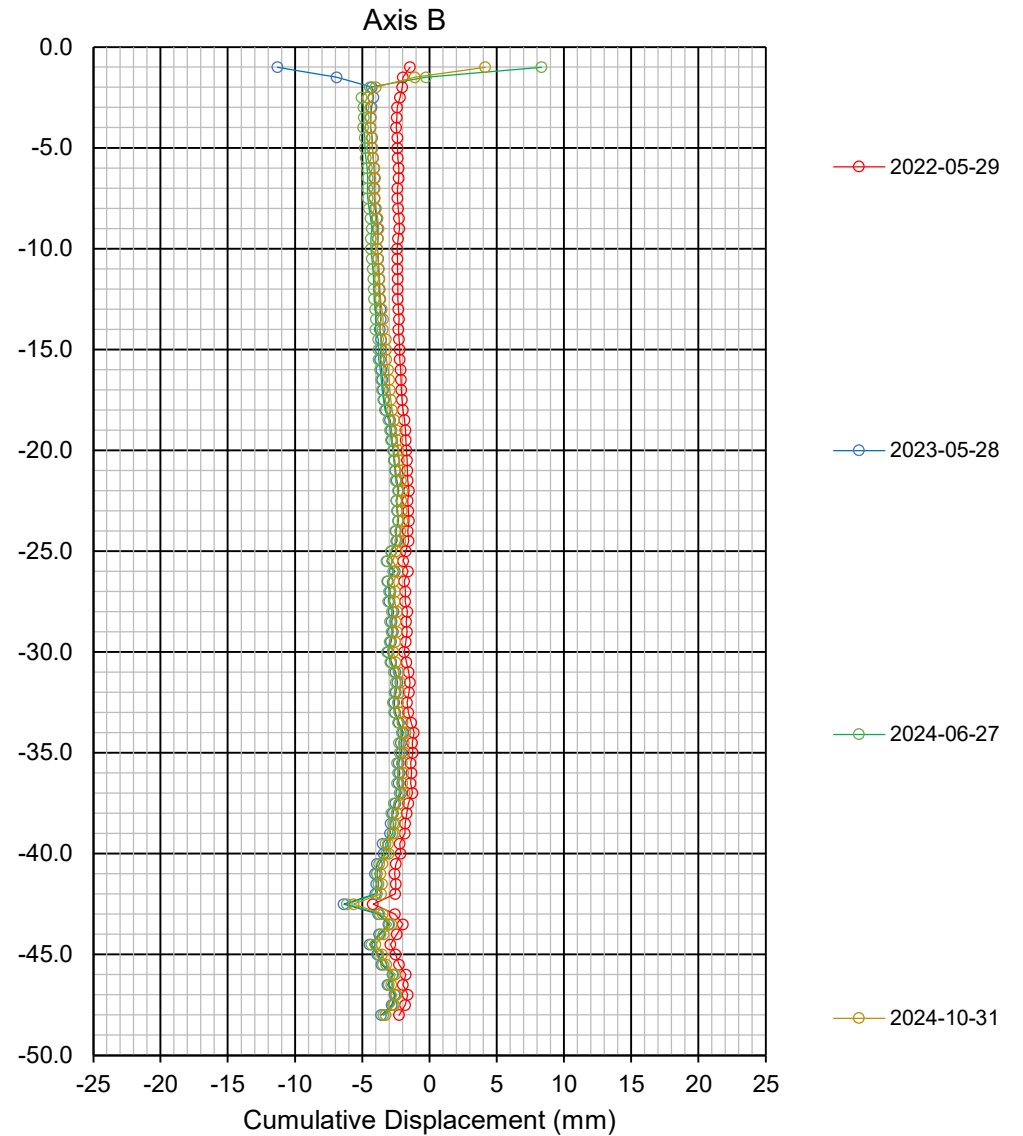
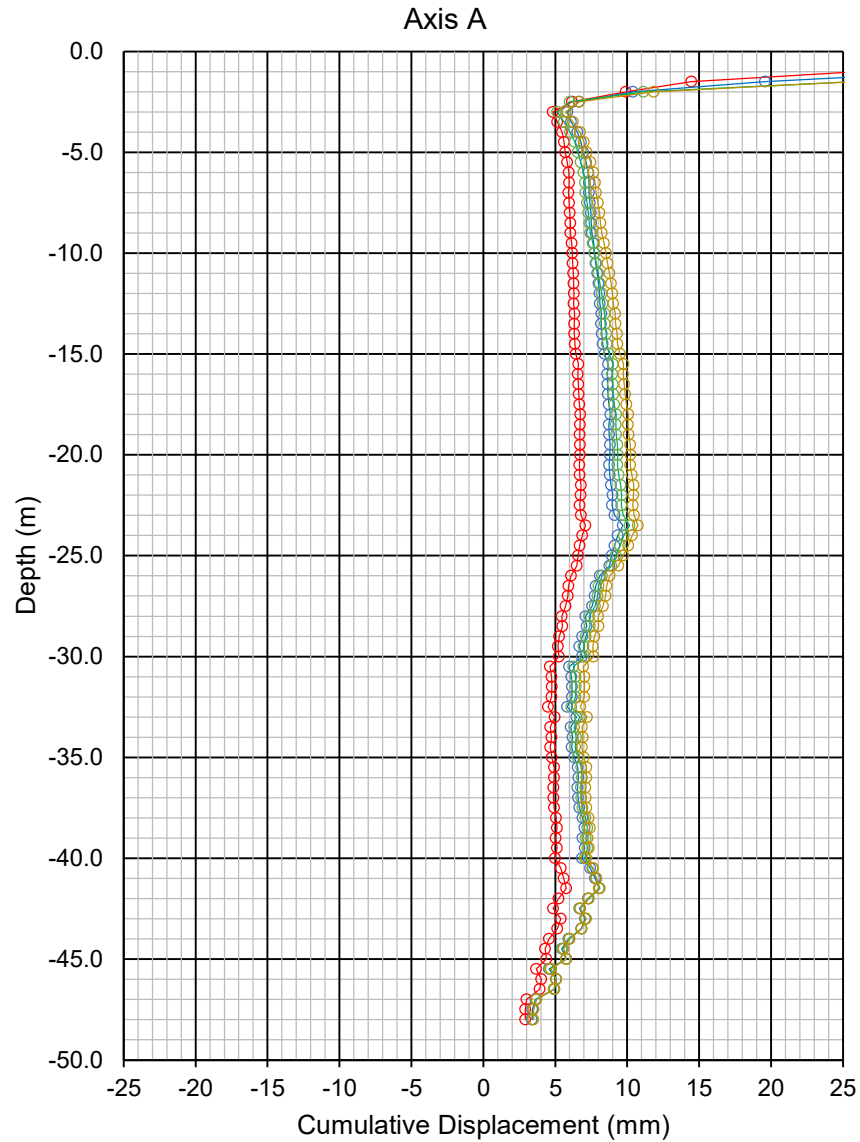
Instrument ID: SI-04
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 48.0 m



Cumulative Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-09

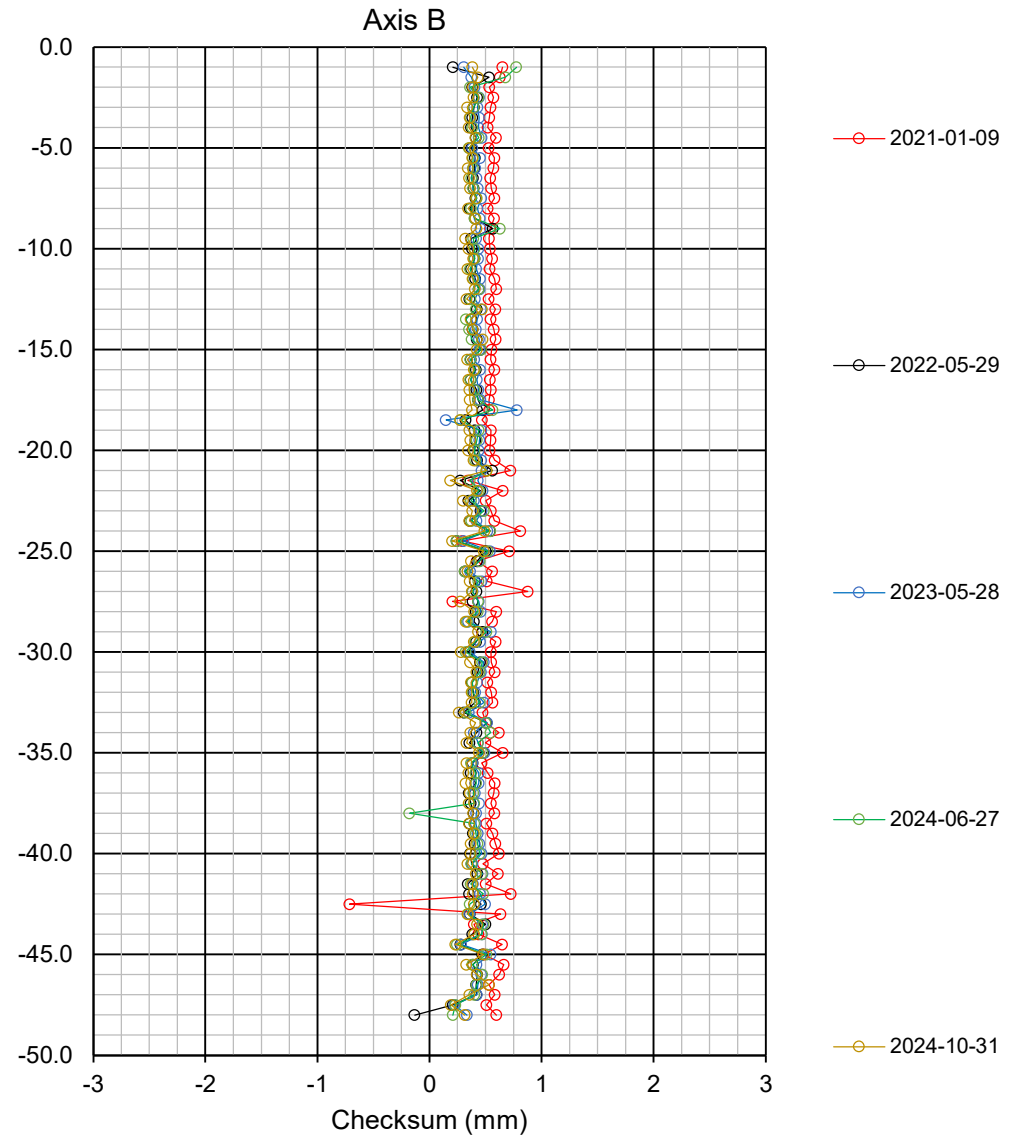
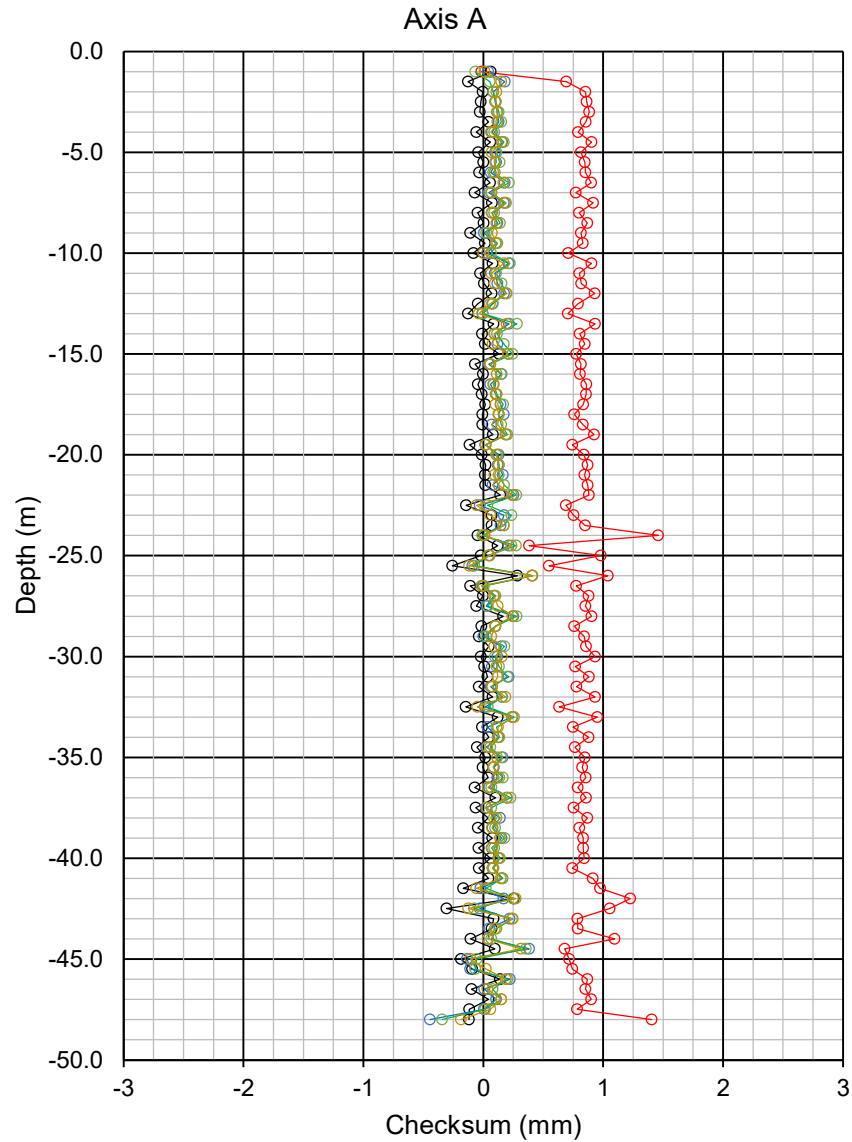
Instrument ID: SI-04
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 48.0 m



Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-09

Checksum

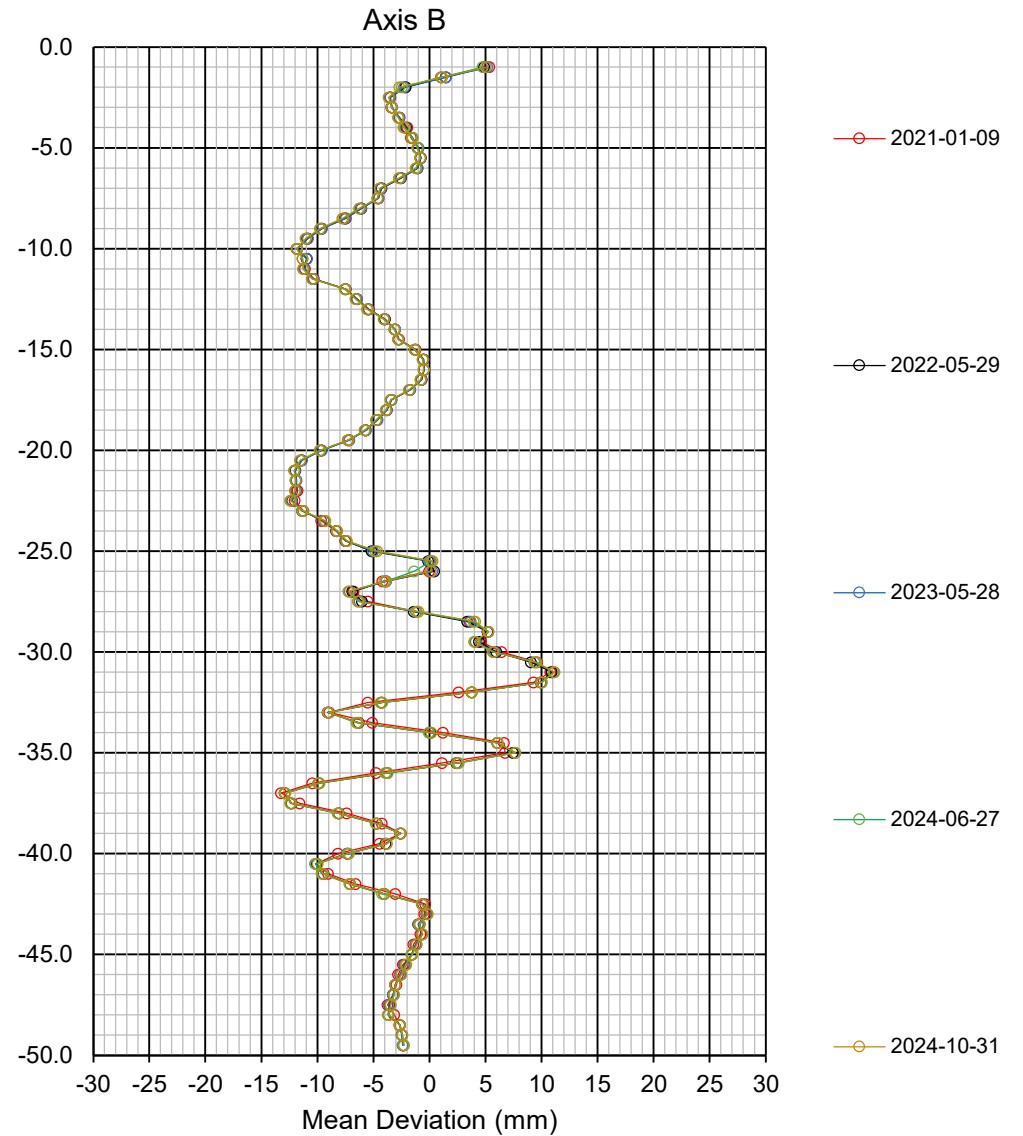
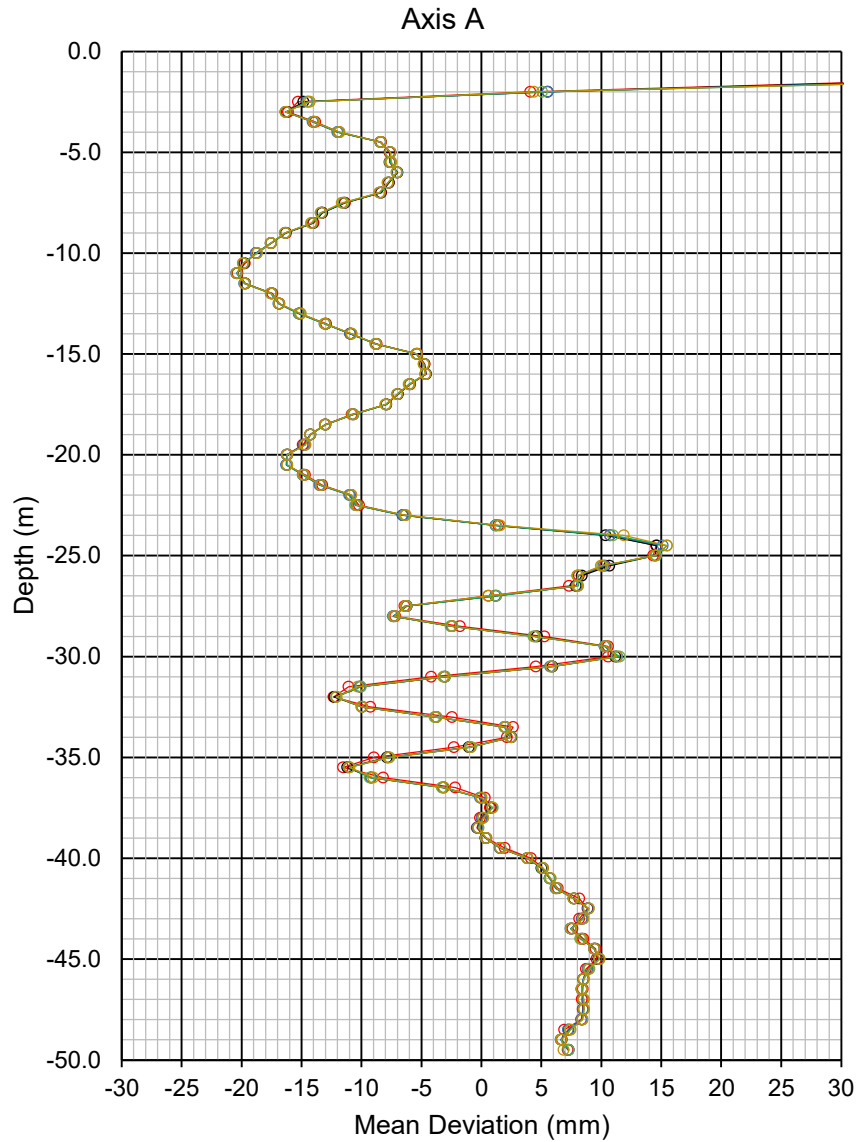
Instrument ID: SI-04
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 48.0 m



Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-09

Instrument ID: SI-05
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 49.5 m

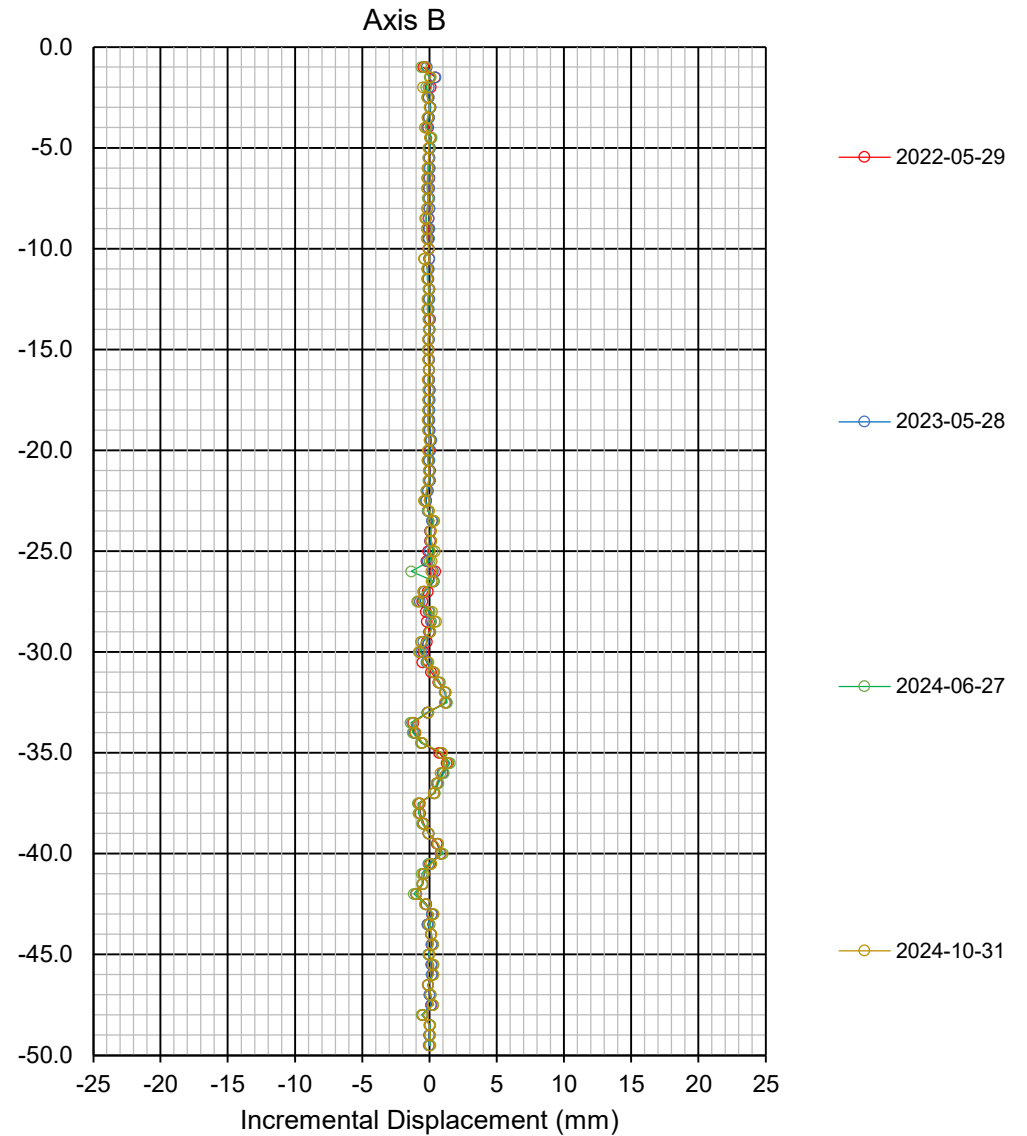
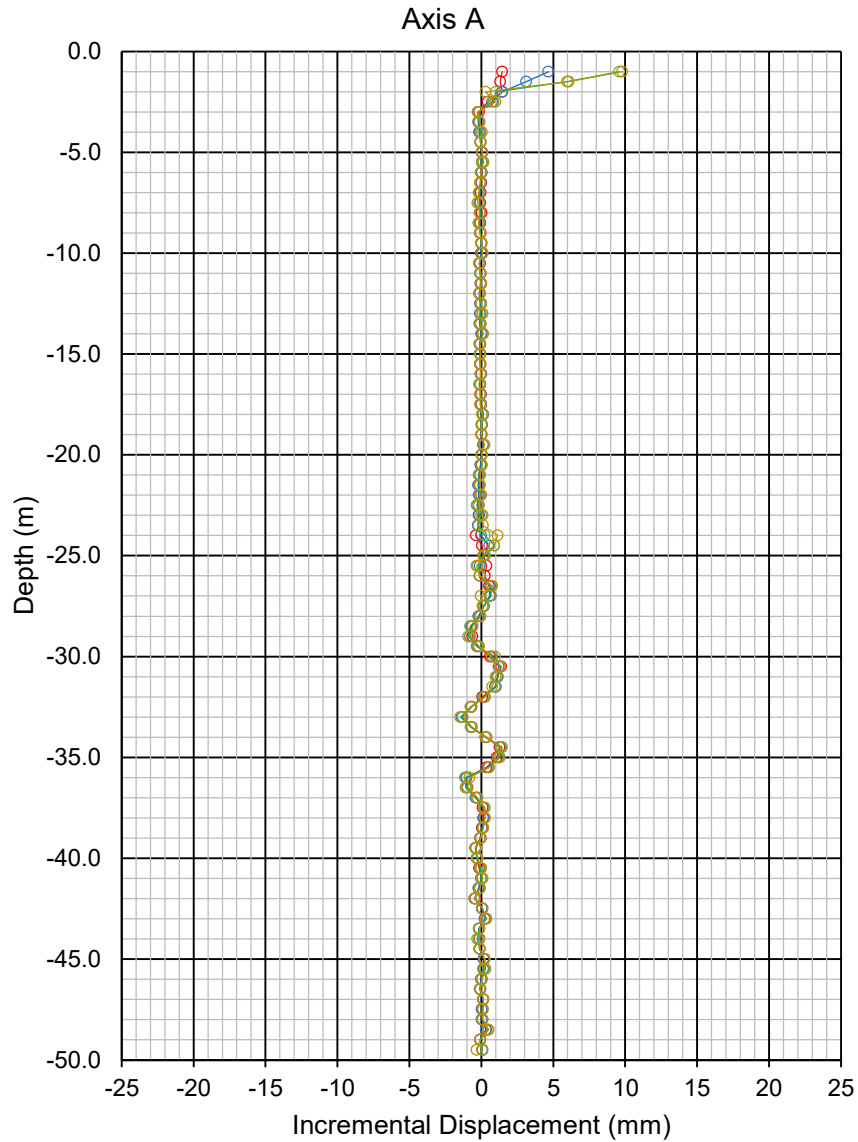
Mean Deviation



Incremental Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-09

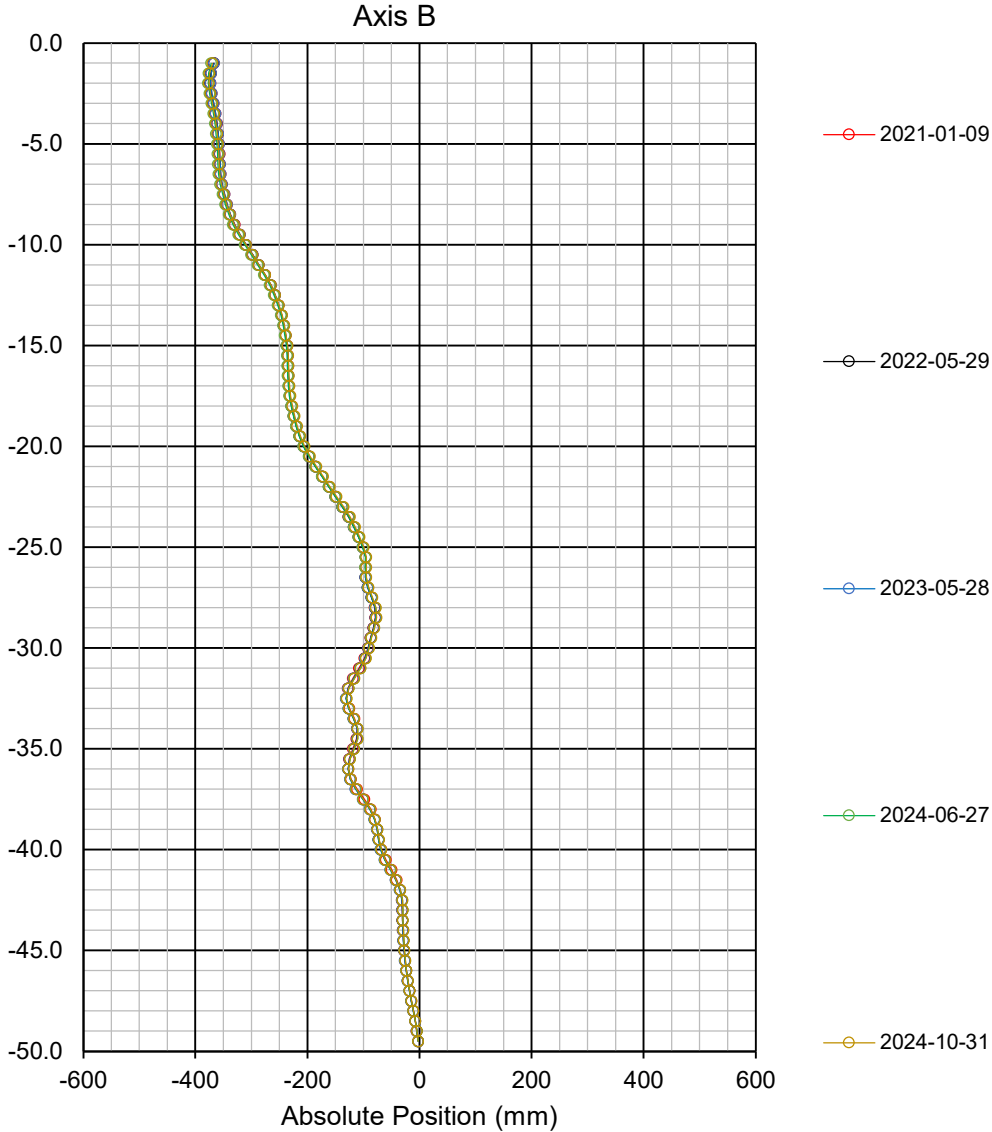
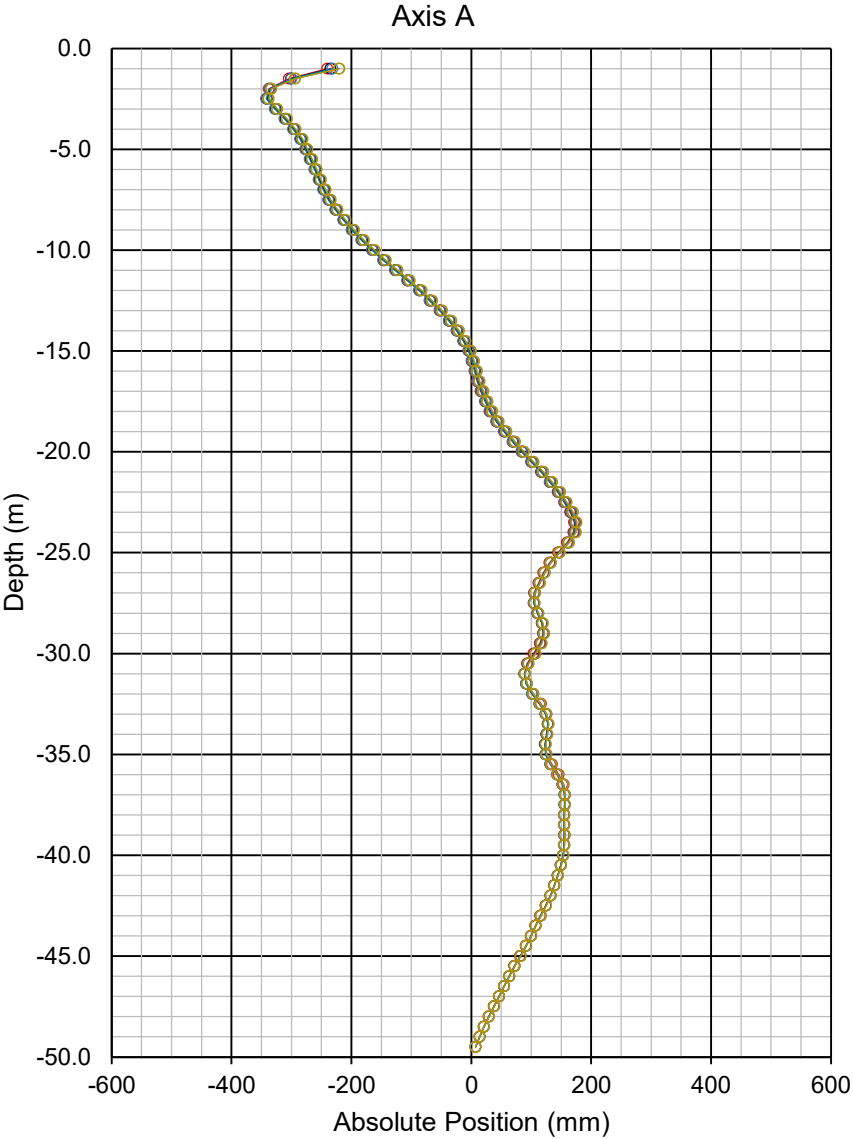
Instrument ID: SI-05
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 49.5 m



Absolute Position

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-09

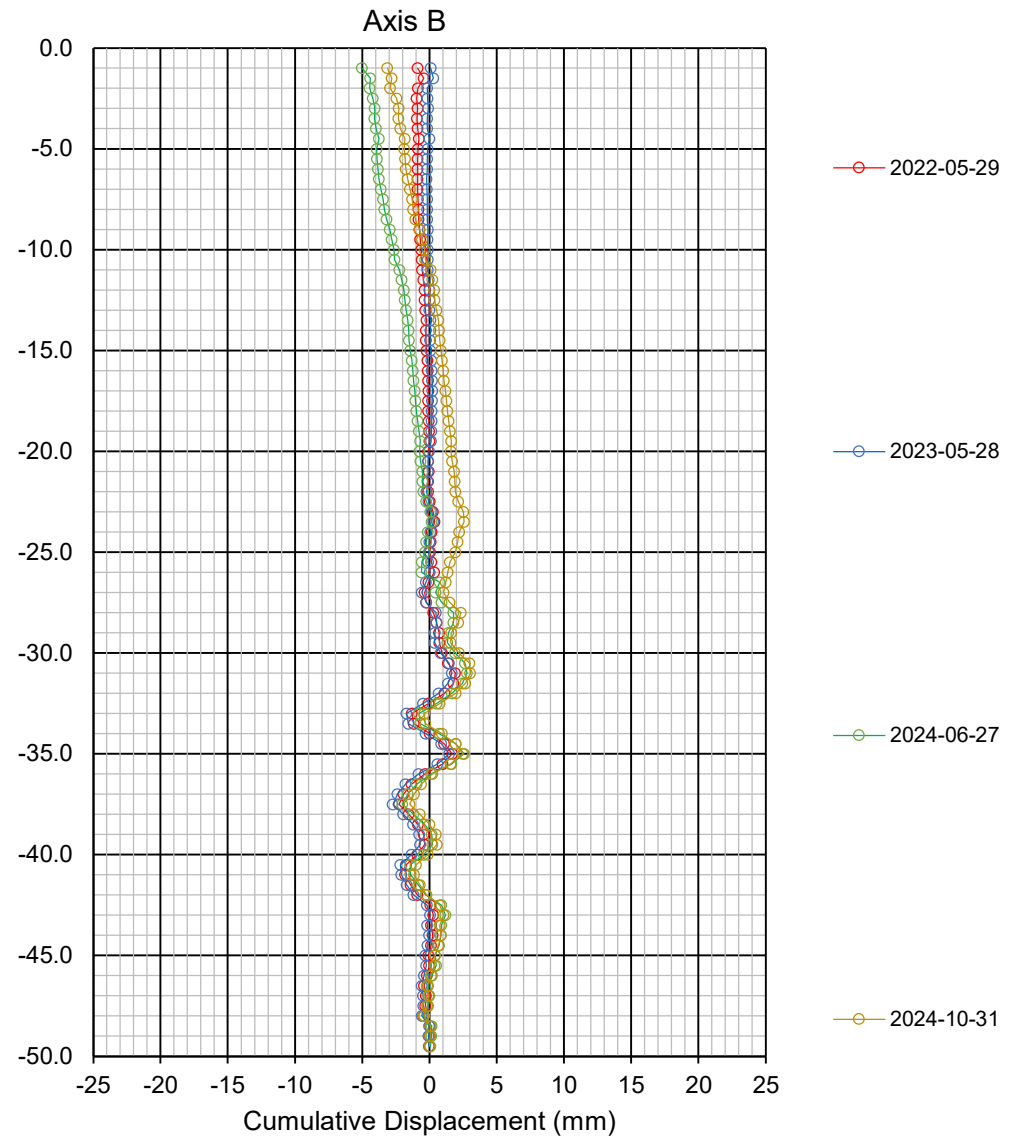
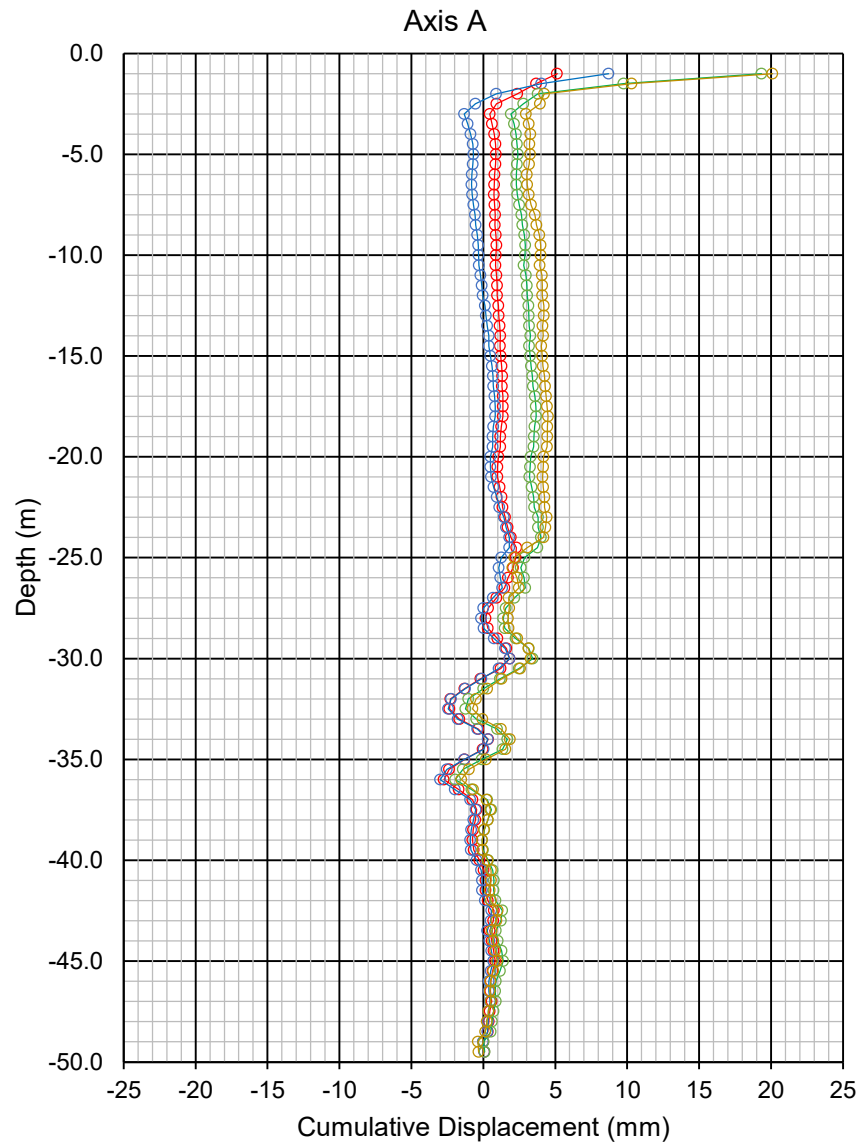
Instrument ID: SI-05
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 49.5 m



Cumulative Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-09

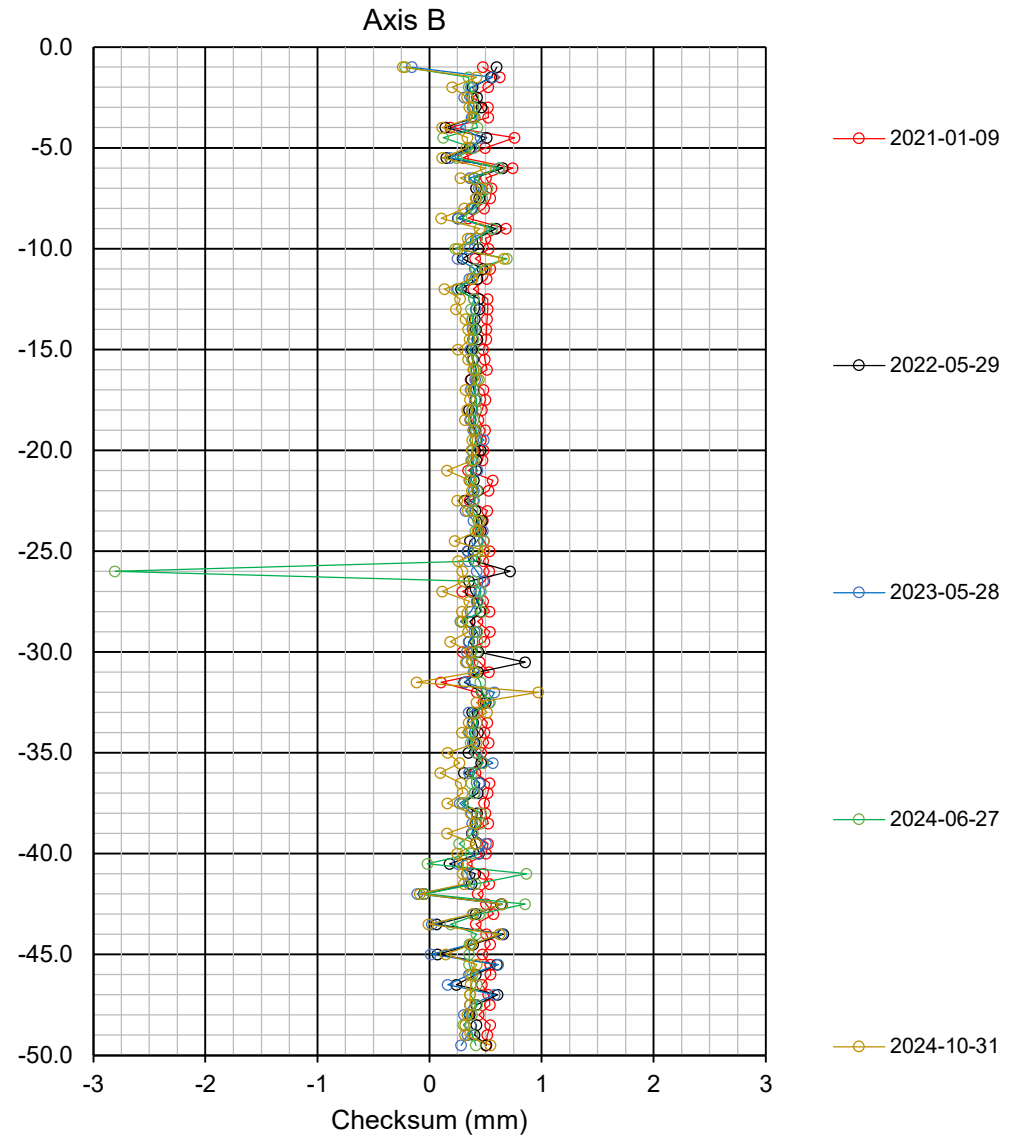
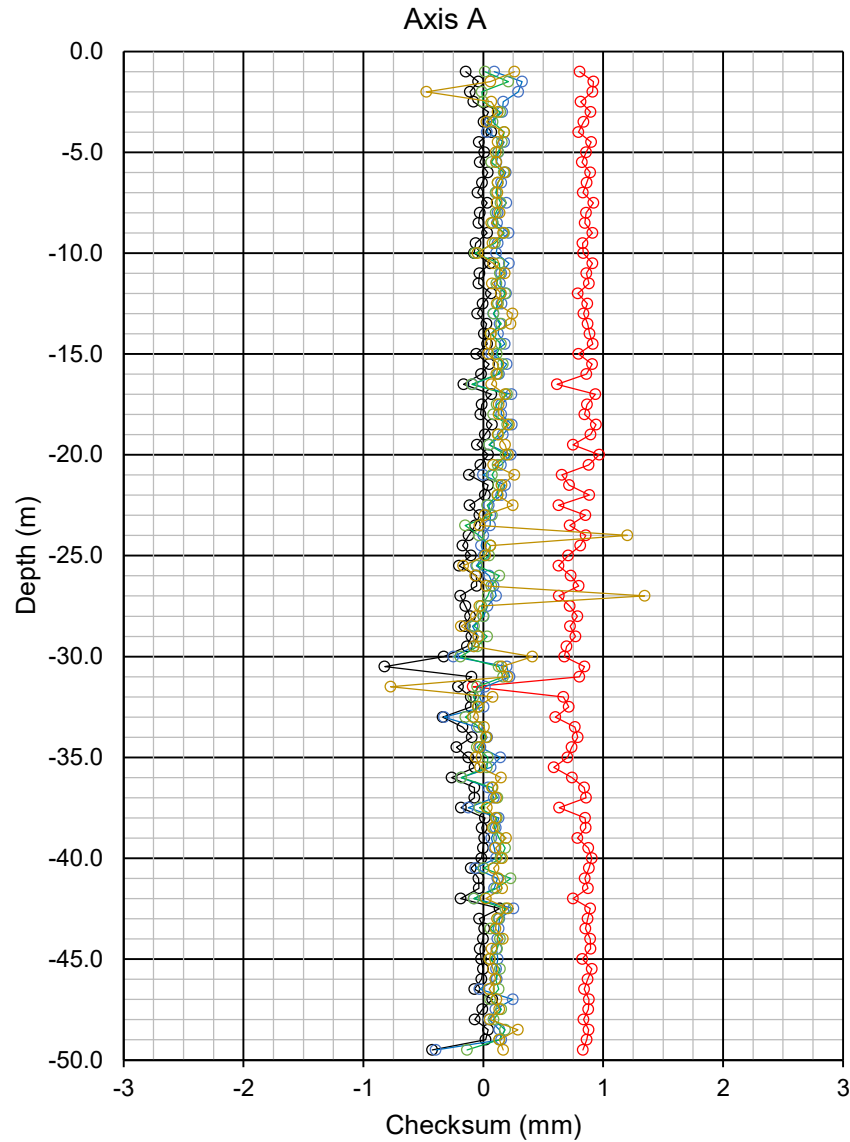
Instrument ID: SI-05
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 49.5 m



Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-09

Checksum

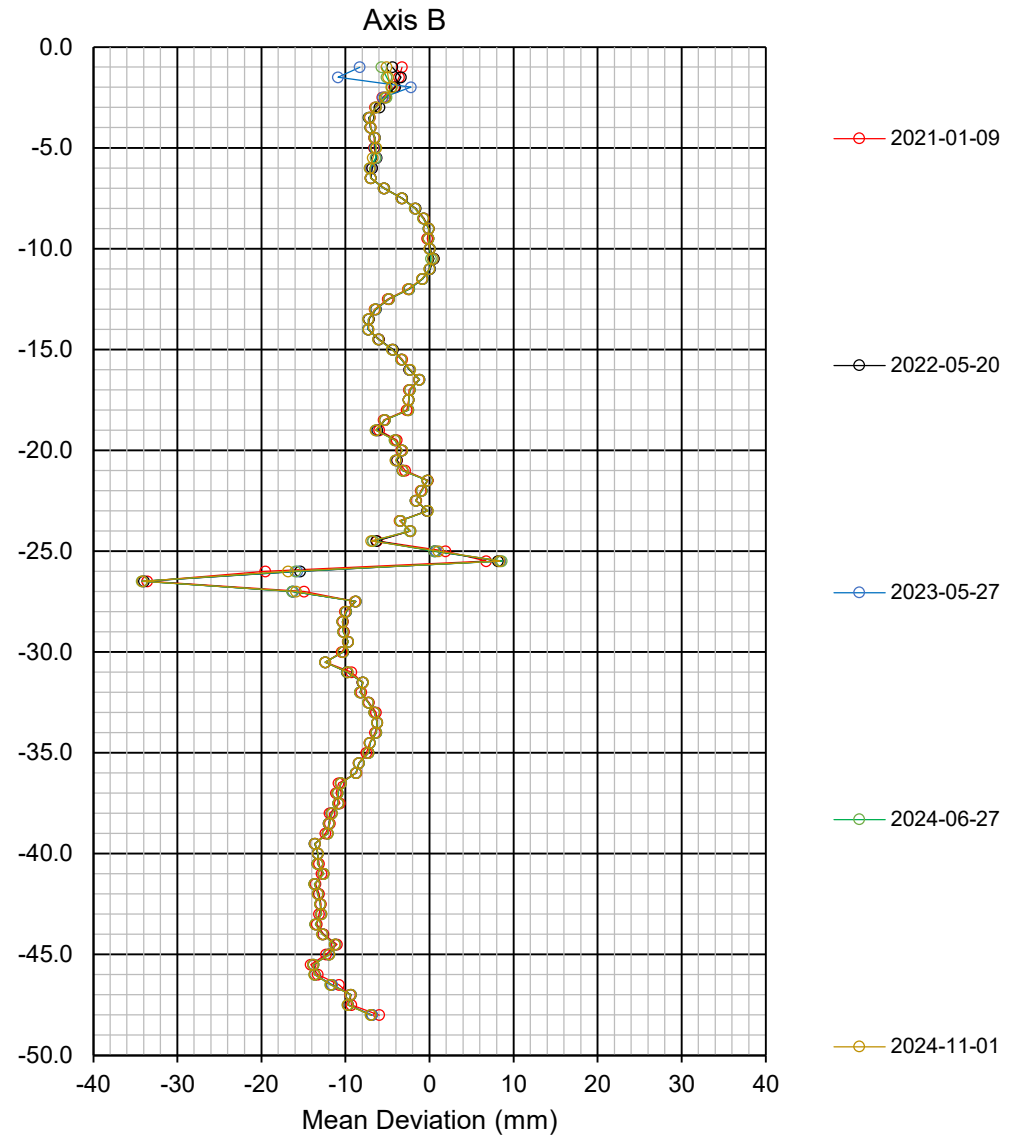
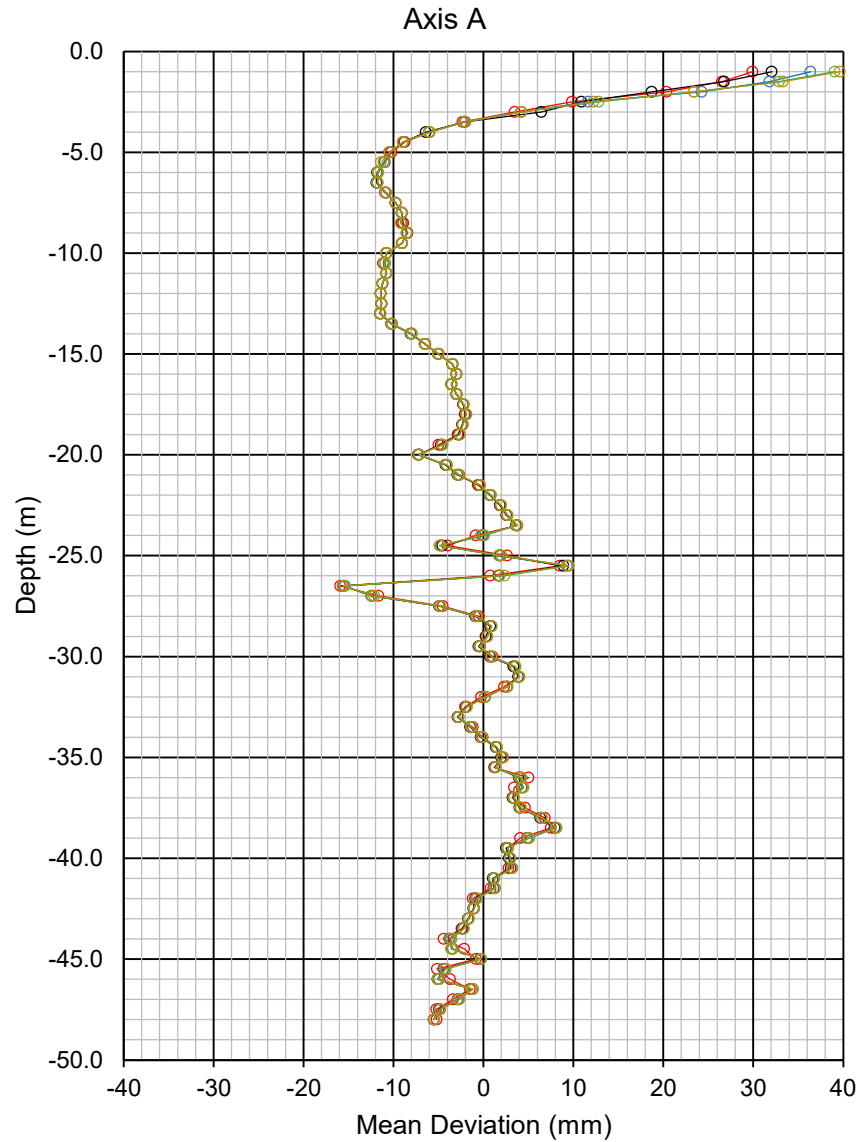
Instrument ID: SI-05
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 49.5 m



Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-09

Instrument ID: SI-06
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 48.0 m

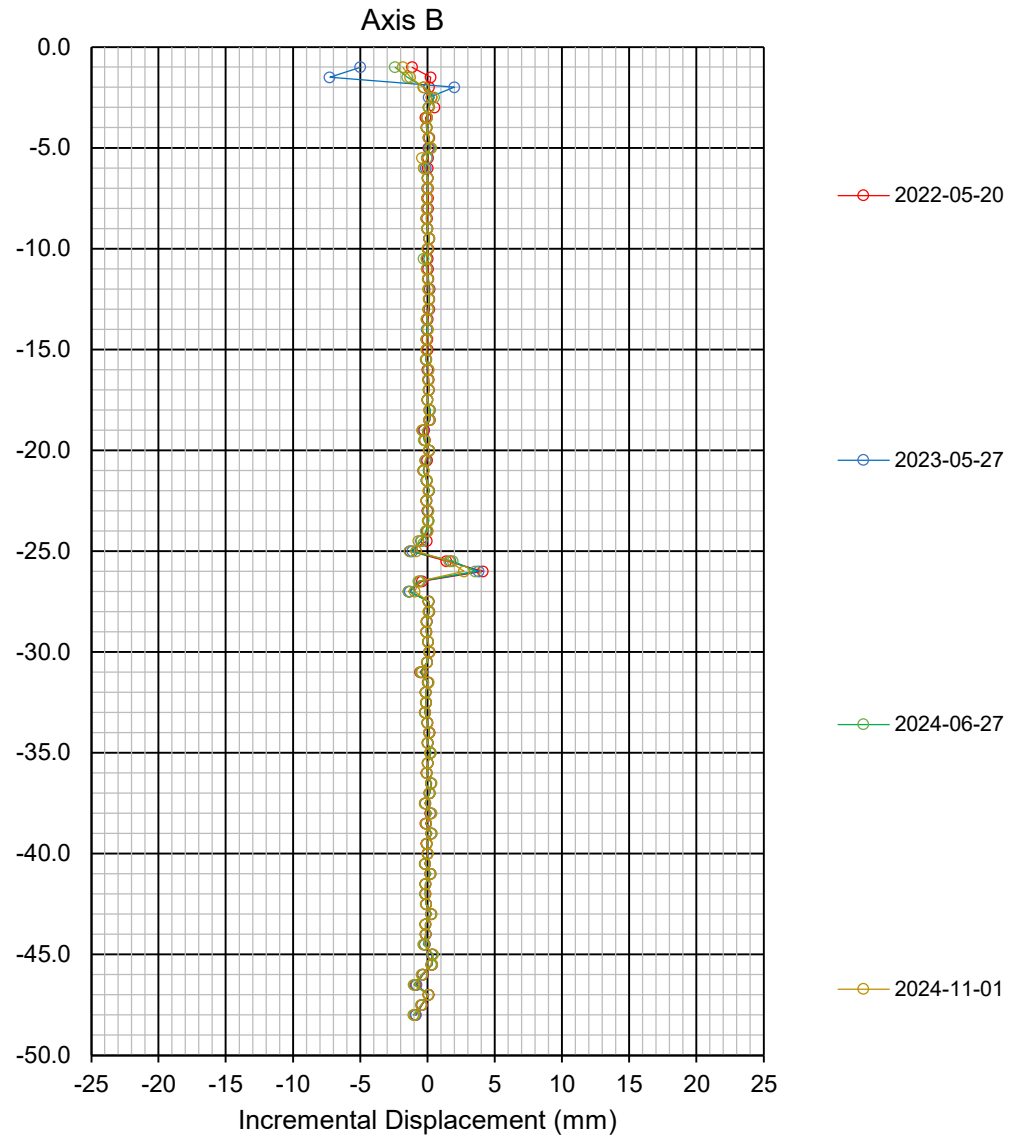
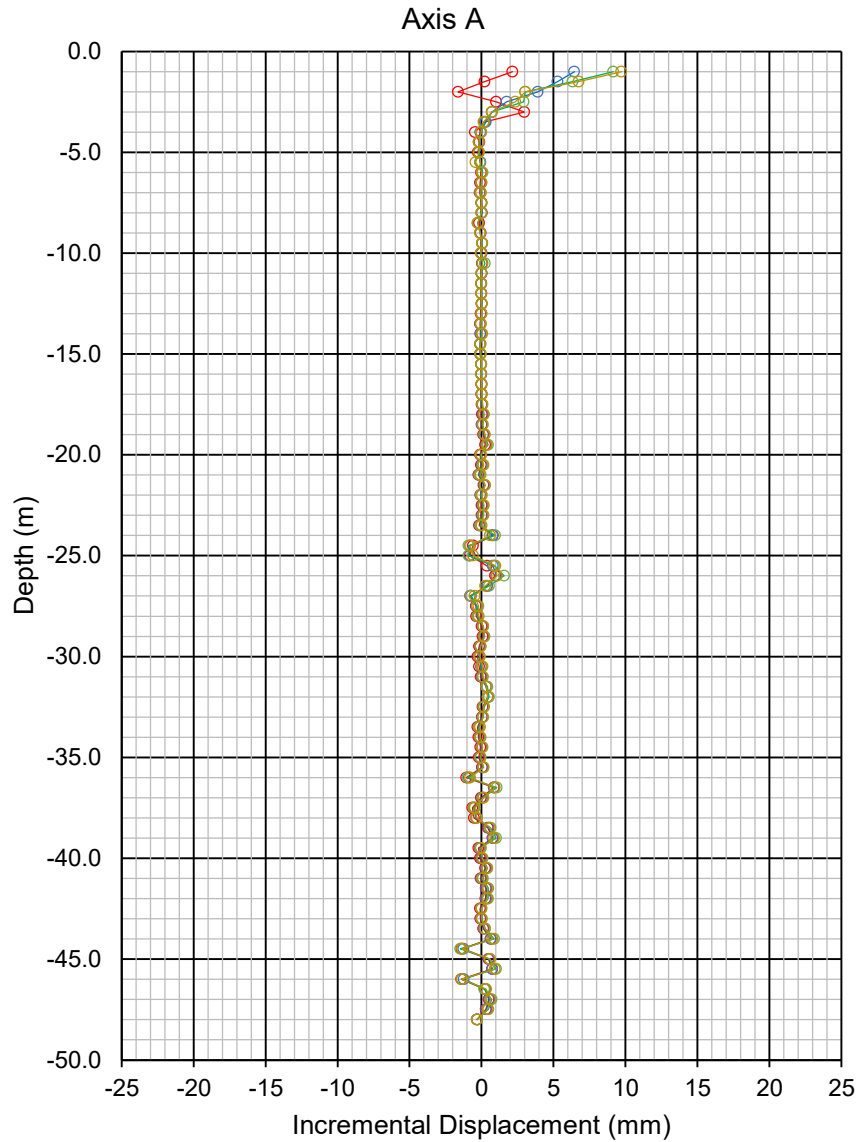
Mean Deviation



Incremental Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-09

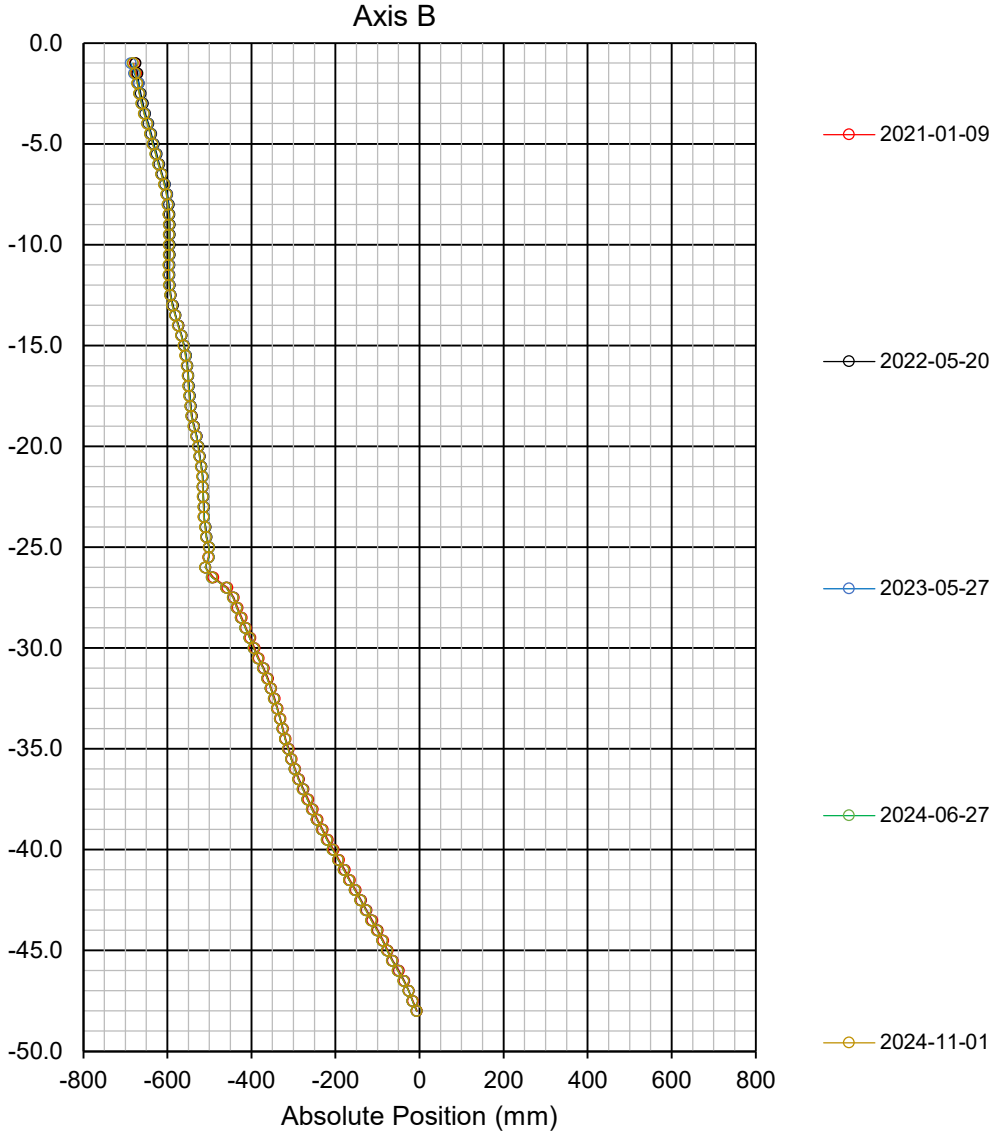
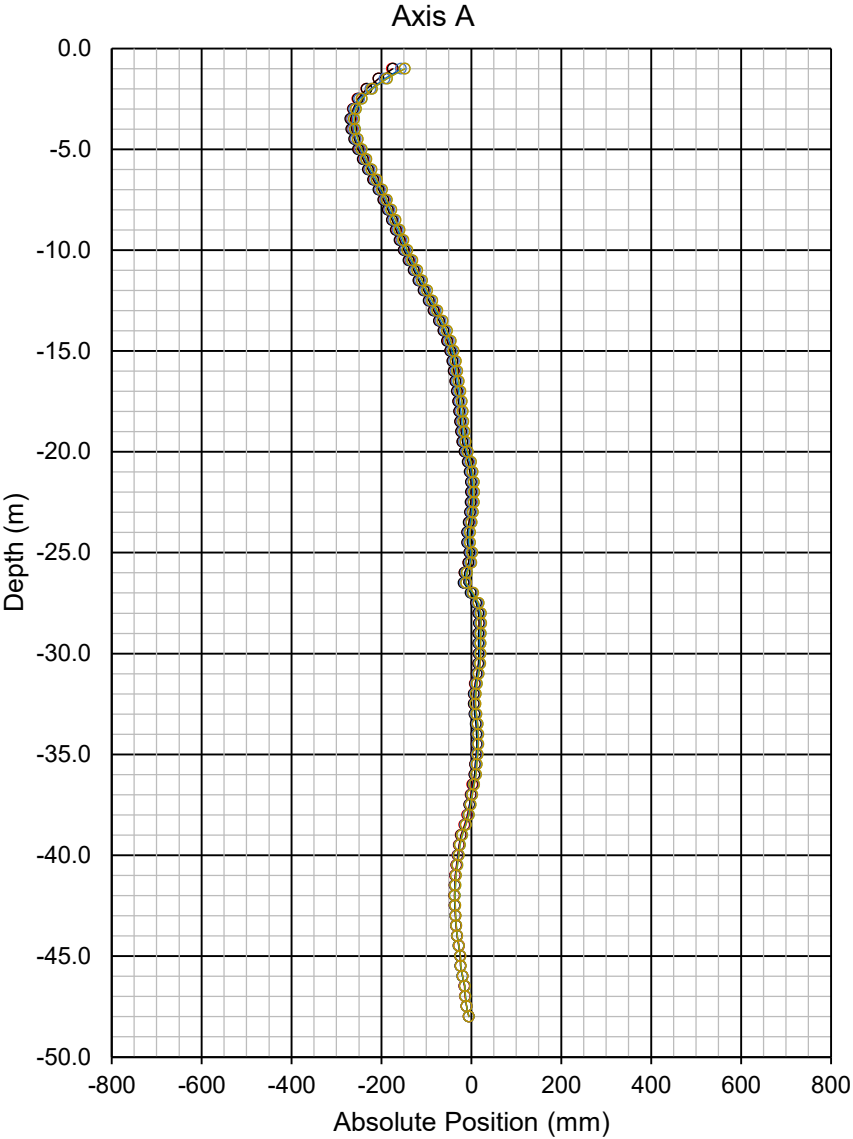
Instrument ID: SI-06
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 48.0 m



Absolute Position

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-09

Instrument ID: SI-06
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 48.0 m

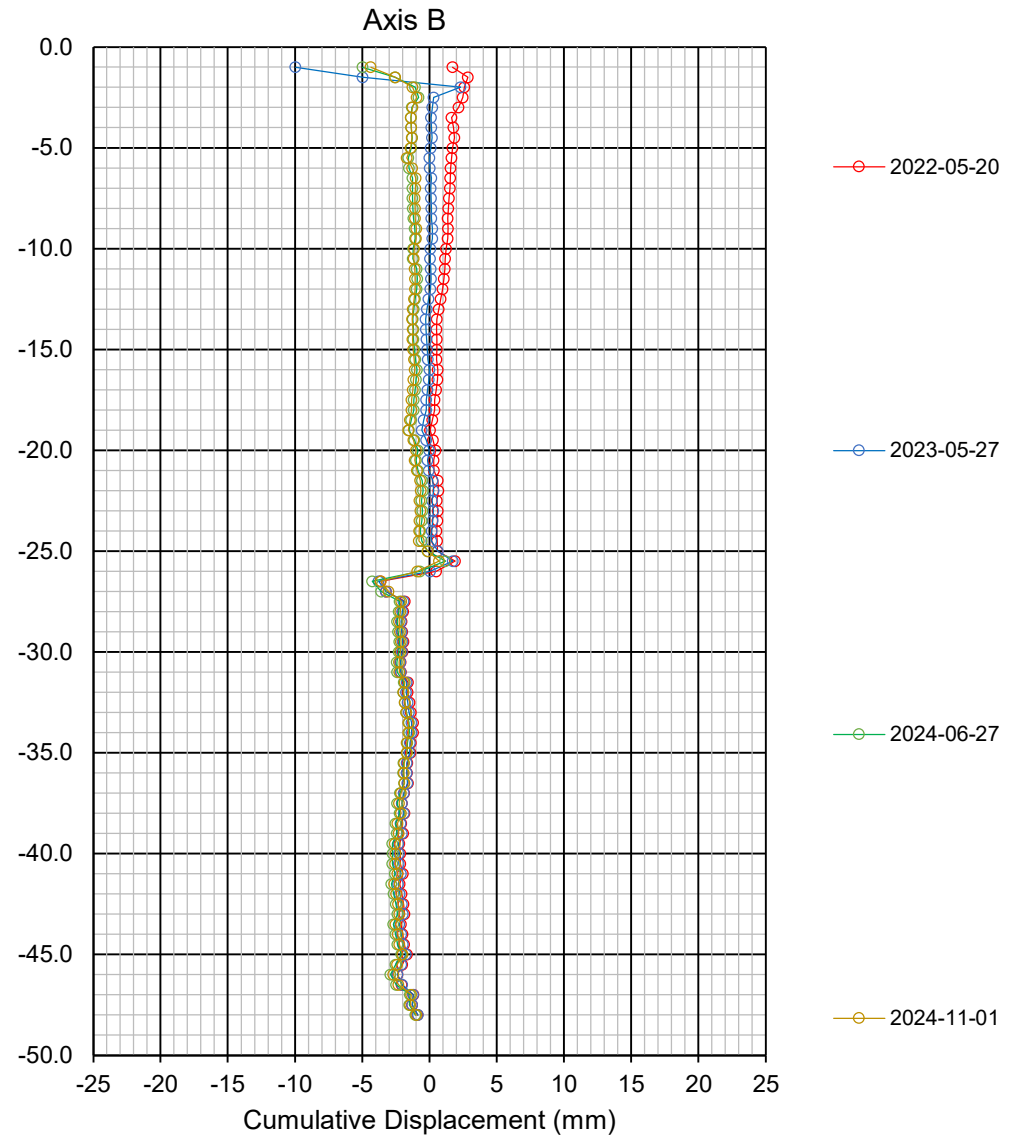
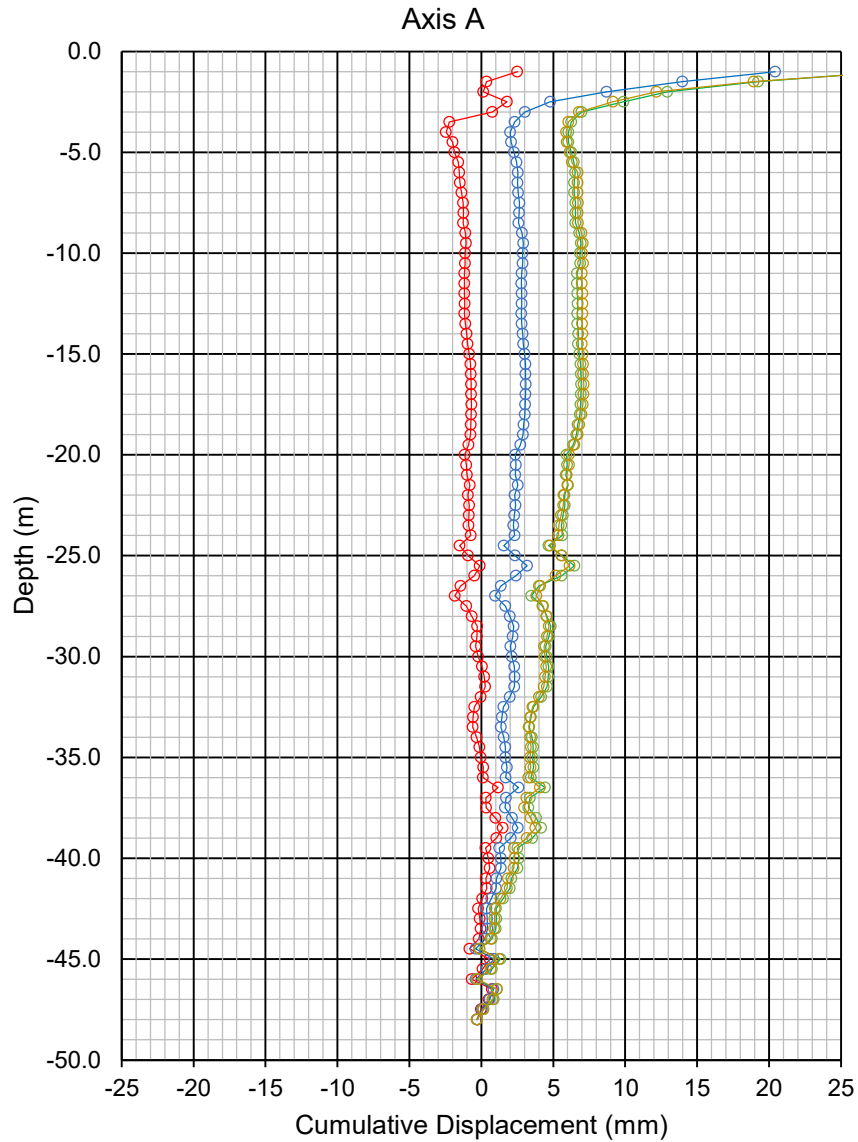


- 2021-01-09
- 2022-05-20
- 2023-05-27
- 2024-06-27
- 2024-11-01

Cumulative Displacement

Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-09

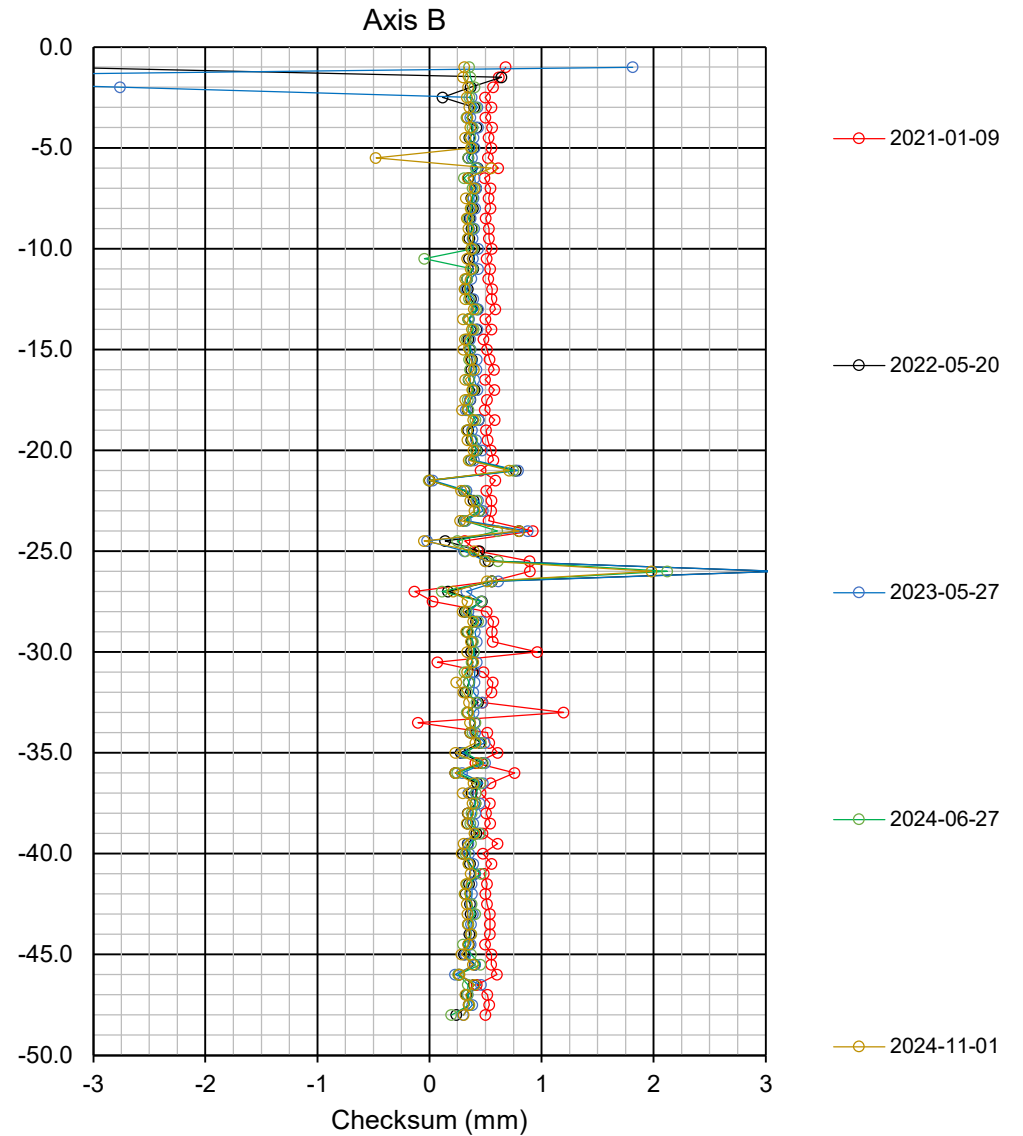
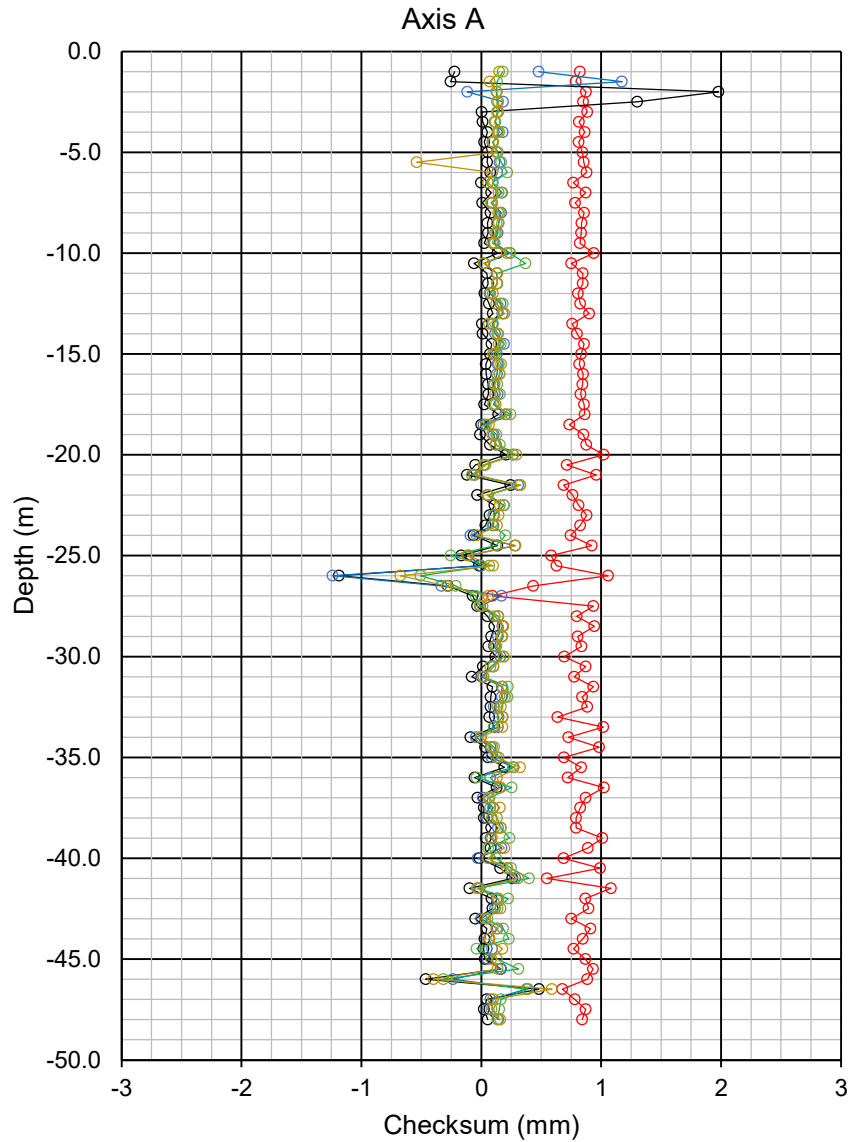
Instrument ID: SI-06
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 48.0 m

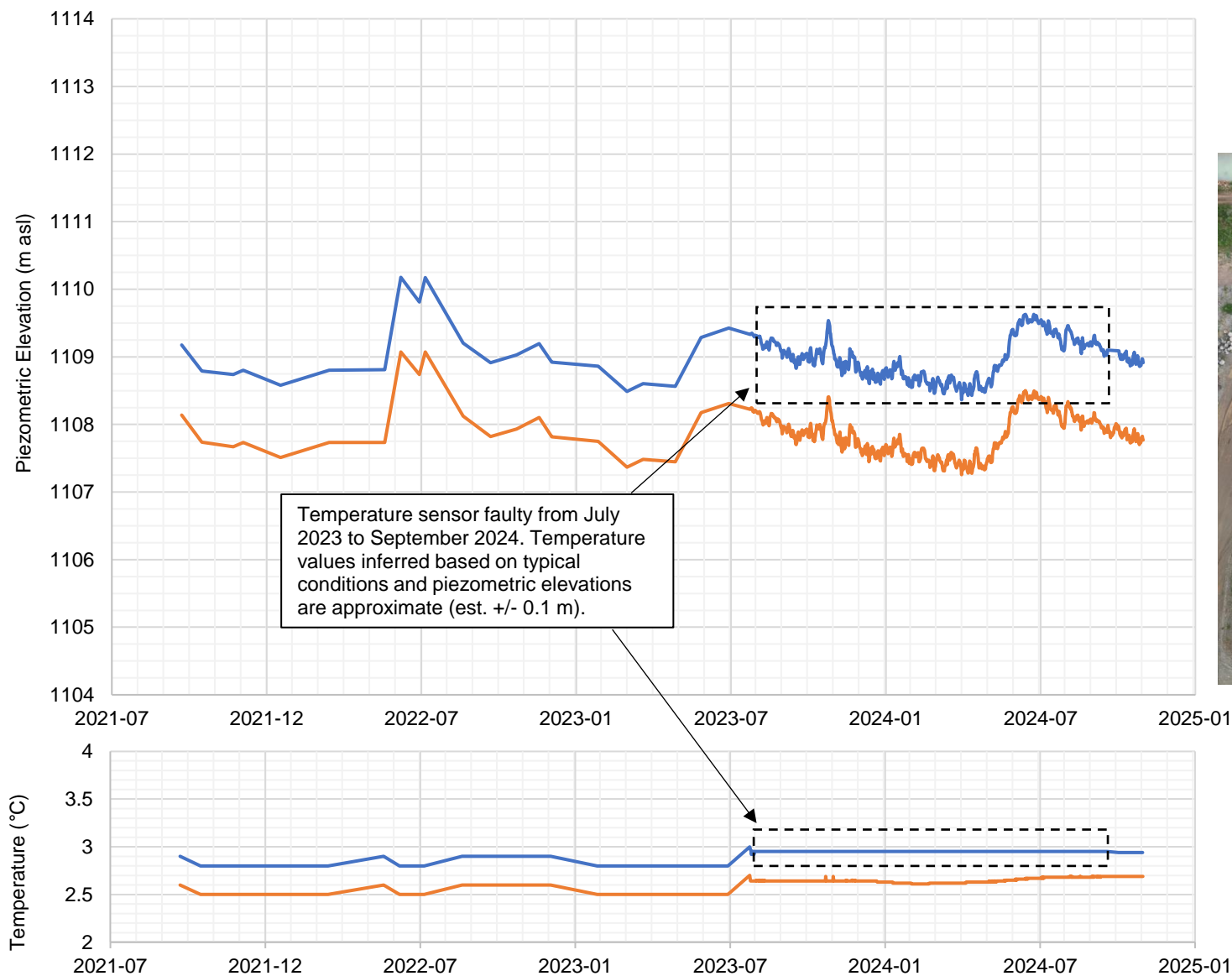


Project: Cantung Mine Site Monitoring
Project No.: ENG.WARC04142-02
Client: NATCL
Location: --
Baseline Reading: 2021-01-09

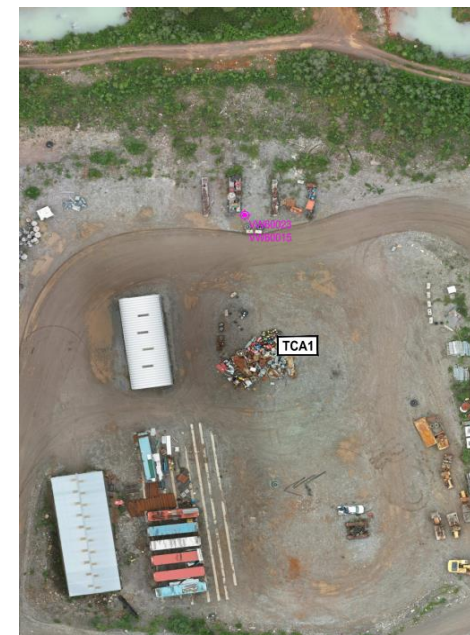
Checksum

Instrument ID: SI-06
Coordinates: --
Top Cap Elevation: --
Stickup: --
Bottom Depth: 48.0 m





VW60015
VW60023



VWP ID	TIP EL. (masl)
VW60015	1090.8
VW60023	1100.8

NOTE:

1. IMAGERY COLLECTED JULY 2023
 2. PLOTS CURRENT TO DATA RECEIVED
- NOVEMBER 1, 2024

CLIENT

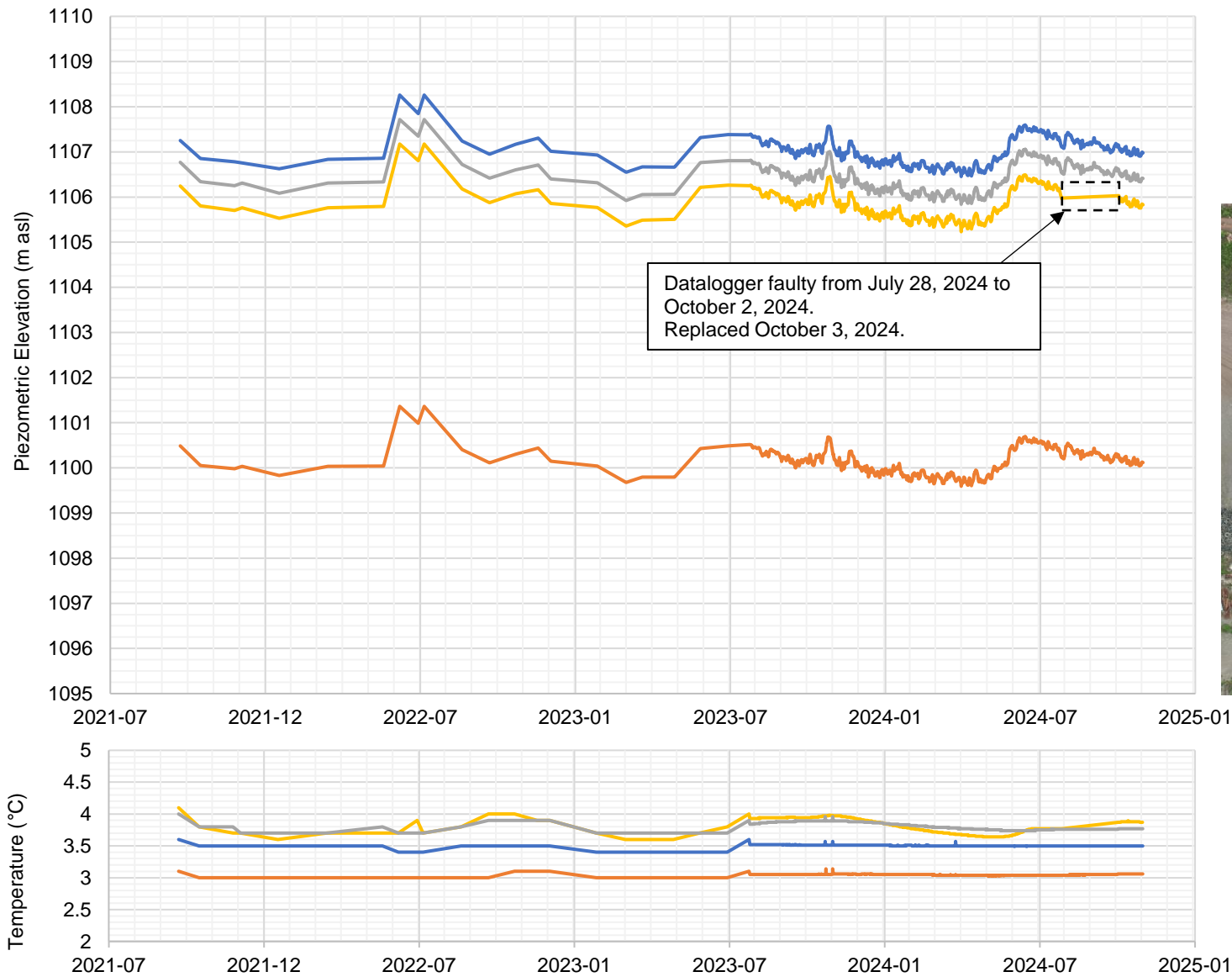


CANTUNG MINE SITE MONITORING

TCA1 Groundwater Elevation Monitoring

OFFICE EBA-WHSE	DWN SAM	CKD 0	REV 0
DATE November 4, 2024	PROJECT NO. 704-ENG.WARC04142-03		

FIGURE 1



VWP ID	TIP EL. (masl)
VW60014	1088.3
VW60021	1097.5
VW60022	1097.2
VW60024	1087.2

NOTE:

1. IMAGERY COLLECTED JULY 2023
 2. PLOTS CURRENT TO DATA RECEIVED
- NOVEMBER 1, 2024

CLIENT

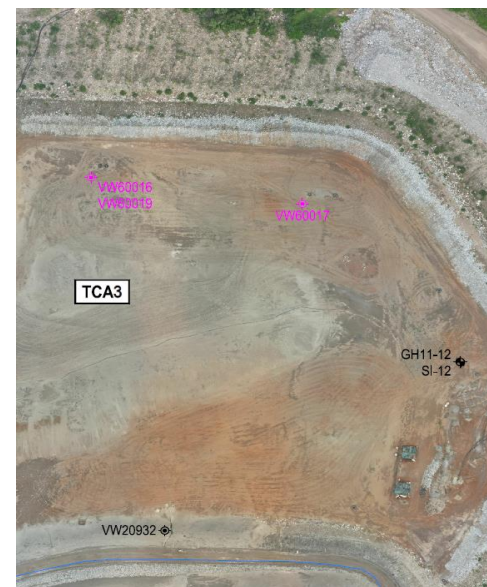
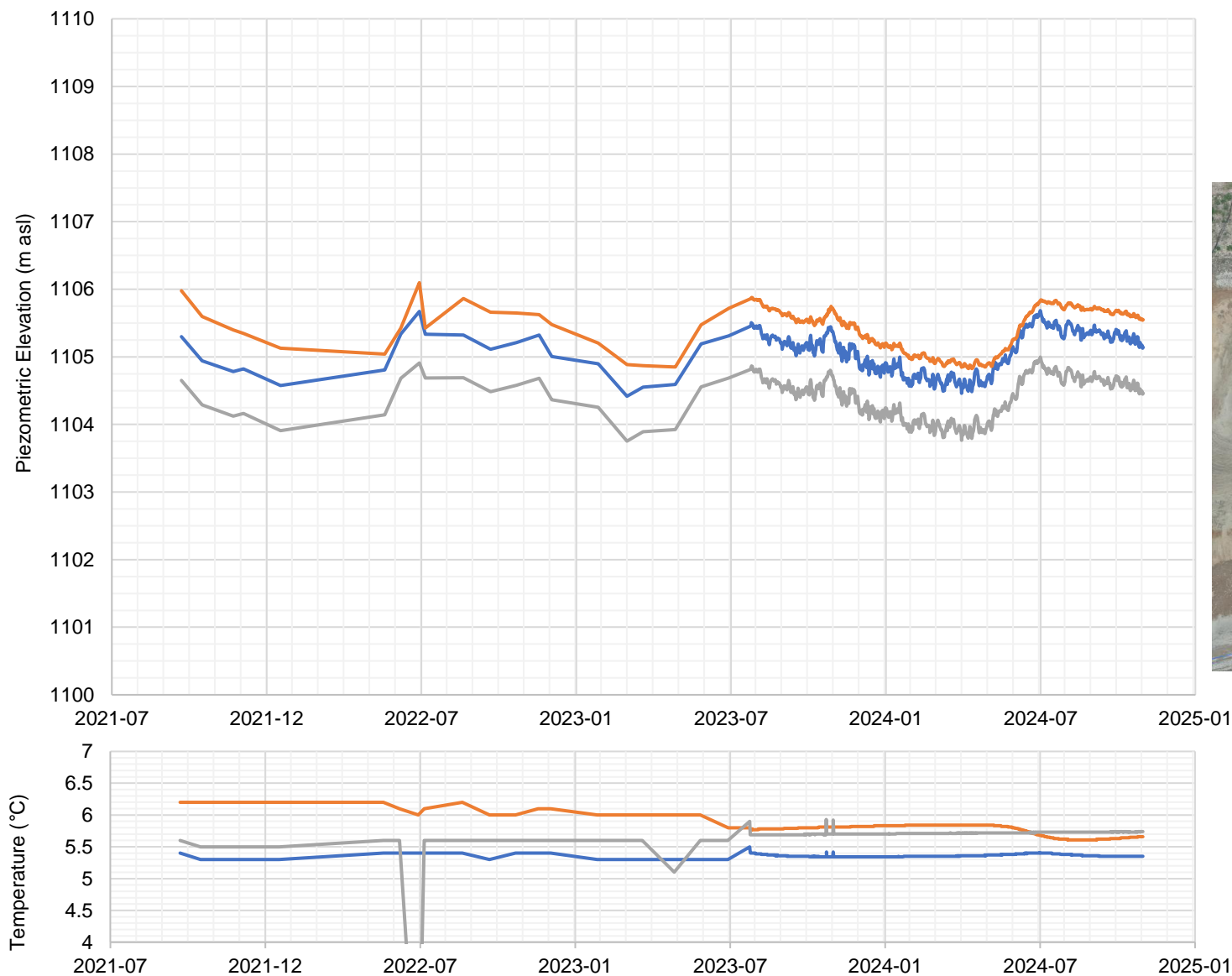


CANTUNG MINE SITE MONITORING

TCA2 Groundwater Elevation Monitoring

OFFICE EBA-WHSE	DWN SAM	CKD 0	REV 0
DATE November 4, 2024	PROJECT NO. 704-ENG.WARC04142-03		

FIGURE 2



VWP ID	TIP EL. (masl)
VW60016	1100.6
VW60017	1095.8
VW60019	1086.4

NOTE:

1. IMAGERY COLLECTED JULY 2023
2. PLOTS CURRENT TO DATA RECEIVED

NOVEMBER 1, 2024

CLIENT

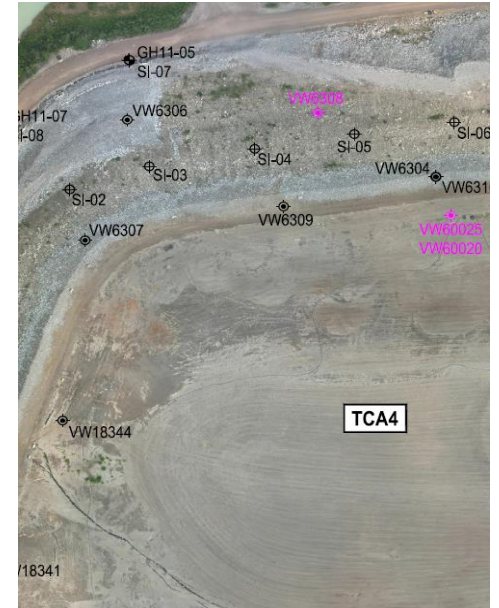
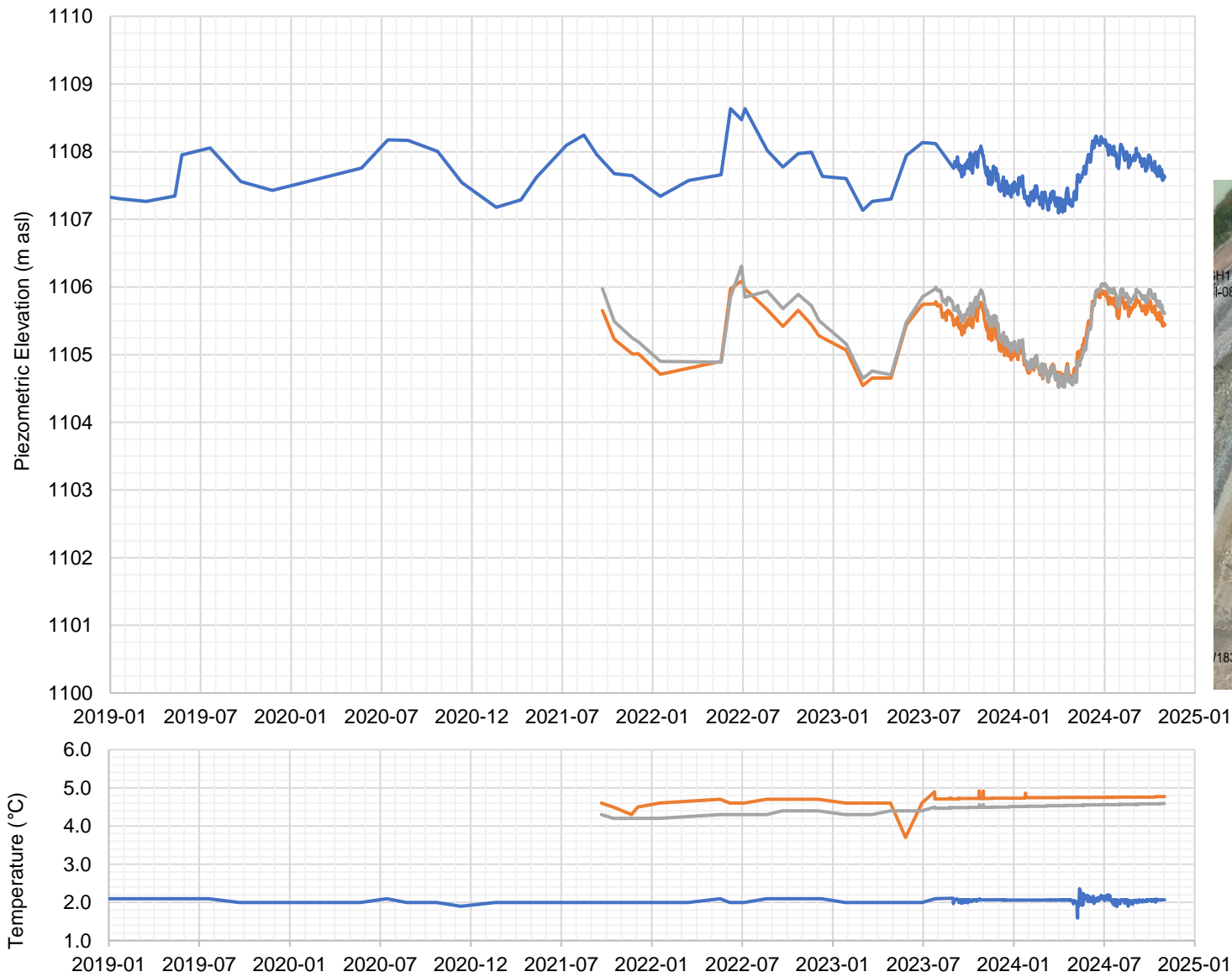


CANTUNG MINE SITE MONITORING

TCA3 Groundwater Elevation Monitoring

OFFICE EBA-WHSE	DWN SAM	CKD	REV 0
DATE November 4, 2024	PROJECT NO. 704-ENG.WARC04142-03		

FIGURE 3



VWP ID	TIP EL. (masl)
VW6308	1101.0
VW60020	1093.3
VW60025	1106.1

NOTE:

1. IMAGERY COLLECTED JULY 2023
2. PLOTS CURRENT TO DATA RECEIVED
NOVEMBER 1, 2024

CLIENT

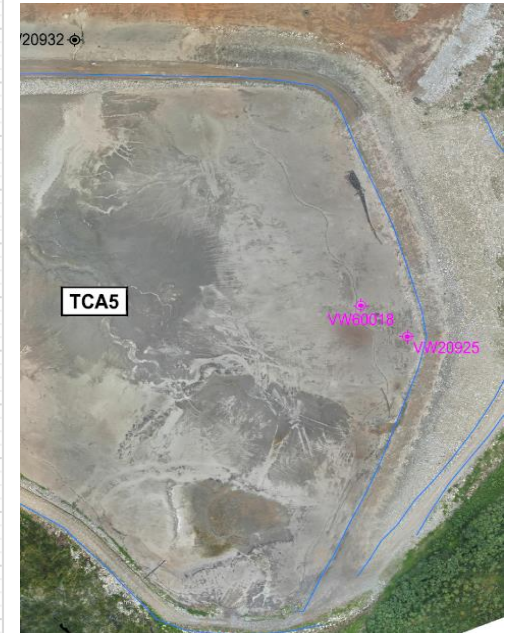


CANTUNG MINE SITE MONITORING

TCA4 Groundwater Elevation Monitoring

OFFICE EBA-WHSE	DWN SAM	CKD	REV 0
DATE November 4, 2024	PROJECT NO. 704-ENG.WARC04142-03		

FIGURE 4



VWP ID	TIP EL. (masl)
VW20925	1114.3
VW60018	1101.7

NOTE:

1. IMAGERY COLLECTED JULY 2023
2. PLOTS CURRENT TO DATA RECEIVED

NOVEMBER 1, 2024

CLIENT



CANTUNG MINE SITE MONITORING

TCA5 Groundwater Elevation Monitoring

OFFICE EBA-WHSE	DWN SAM	CKD 0	REV 0
DATE November 4, 2024	PROJECT NO. 704-ENG.WARC04142-03		

FIGURE 5

APPENDIX G

METEOROLOGICAL DATA

(MS Excel Files Provided Separately)