214 - 11th Avenue SW, Suite 514 | Calgary, AB T2R 0K1
(403) 294-4200 | Fax (403) 294-4240 | www.parsons.com

September 26, 2024

Job No.: 10-13166
Ref. No.: 478479.81500

Mackenzie Valley Land and Water Board
4922 – 48th Street 7th Floor
P.O. Box 2130
Yellowknife, NT X1A 2P6

Attention: Angela Love, Regulatory Specialist

Water License MV2023L2-0006
Surveillance Network Program (SNP) Monthly Reporting
July 2024

INTRODUCTION

Parsons Inc. (Parsons) was retained by North American Tungsten Corporation Ltd. (NATC) to complete the monthly SNP inspection, sampling and reporting for NATC's Cantung Mine as per Water Licence MV2023L2-0006 (the Licence). NATC carried out its obligations under the License during the July field activities.

SNP MONTHLY DATA

Monitoring Data (Annex A Parts B&C)

Analytical results and field water quality data collected under the SNP this month, along with Quality Assurance/Quality Control (QA/QC) results, are presented in Appendix A.

The active monitoring stations are listed in Table 1, including rationale for sampling this month, and illustrated in Figures A, B and C.

Table 1. Active SNP stations as per Part B, Condition 2 of the Licence.

SNP Station #	Site Coordinates (UTM)	Description	Samples Collected	Rationale
4-1	N 6871361.36 E 540034.38 N	Flat River fresh water intake located in the Water Supply Facility	No	Flow monitoring station.
4-5	542519.57 E, 6869094.27 N	Flat River at bridge downstream of airstrip.	Yes	
4-6	540699 E, 6870572 N	Inflow to Wastewater Treatment Facilities.	No	Only when WWTF operating.
4-13	541326 E, 6869967 N	Discharge from “E” Zone.	Yes	
5-2	540519 E, 6870986 N	Old Lagoon Outflow	Yes	
4-20	541342.06 E, 6870330.45 N	Drainage culvert from Stinky Pond.	No	2 times annually
4-27-4	540469.07 E, 6870401.17 N	Groundwater monitoring well MW-5.	No	Annual.
4-27-7	541055.24 E, 6870529.79 N	Groundwater monitoring well BH-43.	No	Annual.
4-27-8	541150.52 E, 6870457.79 N	Groundwater monitoring well BH-44.	No	Annual.
4-27-9	540482.62 E, 6871000.43 N	Groundwater monitoring well BH-53.	No	Annual
4-27-10	540991.52 E, 6870580.59 N	TP4-07-MW01	No	Annual
4-27-11	541215.91 E, 6869955.63 N	TP5-07-MW01.	No	Annual.
4-27-12	541357.03 E, 6870091.54 N	TP3-07-MW01.	No	Annual
4-27-13	541326.91 E, 6869967.73 N	TP3-07-MW02.	No	Annual.
4-27-14	541256.87 E, 6869942.9 N	Groundwater well southeast of Tailings Pond 5 (between small creek and Tailings Pond 5).	No	Annual
4-27-15	541600.61 E, 6869880.3 N	Groundwater well southeast of airstrip.	No	Annual
4-27-16	540502.87 E, 6871064.44 N	Groundwater well east of Tailings Ponds 1 and 2. Replacement for SNP station 4-27-1; Groundwater monitoring well MW-1, and includes piezometers MW1-10, MW1-6, and MW1-1.	No	Annual
4-27-17	539968.54 E, 6871380.14 N	Groundwater well upstream of the Project.	No	Annual
4-27-18	540646.05 E, 6870369.63 N	Groundwater monitoring well (MW13-01) up-gradient of Tailings Storage Facility 7.	No	Temporarily suspended as of August 25, 2016 until not less than three months prior to the construction of Tailings Storage Facility 6.
4-27-19	540523.39 E, 6870788.48 N	Groundwater monitoring well down-gradient of Tailings Storage Facility 7.	No	
4-27-20	543765.09 E, 6868047.68 N	Groundwater monitoring well up-gradient of Tailings Storage Facility 6.	No	

4-27-21	543414.08 E, 6868150.03 N	Groundwater monitoring well (MW12-09) down-gradient of north end of Tailings Storage Facility 6.	No	
4-27-22	543593.31 E, 6867899.6 N	Groundwater monitoring well (MW12-3) down-gradient of middle of Tailings Storage Facility 6.	No	
4-27-23	544032.92 E, 6867627.55 N	Groundwater monitoring well (MW12-01 and MV12-02) down-gradient of south end of Tailings Storage Facility 6.	No	
4-28-1	541224 E, 6870386 N	Groundwater pumping well PW-1.	Yes	
4-28-2	541118 E, 6870491 N	Groundwater pumping well PW-2.	No	Annual.
4-29	538180 E, 6873871 N	Flat River, three (3) kilometers upstream of pumphouse.	Yes	
4-30	540162 E, 6870912 N	Mill Tailings at Tails Box in Mill.	No	Only when Mill is operating.
4-32	540123.65 E, 6871229.02 N	Sardine Creek.	Yes	
4-33	547271 E, 6864181 N	Far Field Downstream Station 8.5 km – Flat River.	No	Not accessible. 4-33R collected as alternate.
4-33R	543488.32 E, 6867874.61 N	Flat River, west of Tailings Storage Facility 6.	Yes	
4-34	540070 E, 6871022 N	Seepage down-gradient of the fuel berm.	No	No Seepage visible.
4-36	541368 E, 6870158 N	Any point between Tailings Pond 3 and the Flat River, where Seepage is visible.	No	No Seepage visible.
4-37	540997 E, 6870555 N	Any point between Tailings Pond 4 and the Flat River, where Seepage is visible.	No	No Seepage visible.
4-38	540343 E, 6871176 N	Any point between Tailings Pond 1 and the Flat River, where Seepage is visible.	No	No Seepage visible.
4-39	540407 E, 6871100 N	Any point between Tailings Pond 2 and the Flat River, where Seepage is visible.	No	No Seepage visible.
4-40	540858.16 E, 6870816.22 N	Surface Water point on Flat River between Tailings Ponds 2 and 4.	Yes	
4-41	541804 E, 6869690 N	Surface Water point on Flat River downstream of Tailings Pond 3.	Yes	
4-42	540169 E, 6870899 N	Minewater pump in the mill.	Yes	
4-43	540699 E, 6870572 N	Effluent from the Wastewater Treatment Facilities.	No	Only when WWTF operating.
4-44	541477.31 E, 6870223.15 N	Surface water point on Flat River approximately 180 metres downstream of drainage channel from Stinky Pond.	No	Temporarily suspended as of December 10, 2018 until not less than three months prior to discharge from the Wastewater Treatment Facility.
4-45	543144 E, 6868828 N	Middle Bridge, upstream of Stinky Pond Discharge to Flat River.	No	Flow monitoring station.
4-46		Thickener Overflow/Effluent.	No	When the Thickener is operating.

4-47		Collection point within Tailings Storage Facility 7 for Seepage/contact Water.	No	Facility not constructed.
4-48		Collection point within Tailings Storage Facility 6 for Seepage/contact Water.	No	Facility not constructed.
4-49	543343.79 E, 6868099.72 N	Flat River, west of the north end of Tailings Storage Facility 6.	No	Temporarily suspended as of August 25, 2016 until not less than three months prior to the construction of Tailings Storage Facility 6.
4-50	544026.55 E, 6867532.93 N	Flat River, immediately downstream of Tailings Storage Facility 6.	No	

INTERPRETATION OF QAQC RESULTS

Further to Part G, Condition 40 of the Licence, the Maximum Average Concentration (MAC), as the running average concentration of four consecutive analytic results (January, March, April and May), and Maximum Grab Concentration (MGC) were determined for listed analytical parameters at SNP station 4-28-1. Results are tabulated in Appendix A.3 and Appendix A.4, respectively indicating that SNP station 4-28-1 with effluent quality criteria (EQC) under the SNP met criteria described in Part G, Condition 40 of the Licence.

Historically, the results of the duplicate samples are considered notably different when the relative percent difference (RPD) between the two results is greater than 20% and the results are greater than five times above the Detection Limits (DLs.) The concentrations of all parameters in the duplicate sample collected at SNP station 4-28-1 were below the threshold RPD. (see Appendix A.5).

Further, the detection limits for the Trip blank was exceeded for one (1) parameter, Ammonia. While that parameter does have an EQC limit, there were no exceedances of that parameter were identified in any of the samples collected and analyzed. The detection limits for the field blank submitted were not exceeded. Overall, the QAQC program did not call into question the results of the sampling program this month (see Appendix A.6).

Finally, the lab report also includes a Quality Assurance Report indicating that the overall quality control for all the samples in July 2024 meets acceptability criteria.

ANALYTICAL RESULTS COMPARED TO COMPLIANCE POINTS (ANNEX A, PART A.2B)

Graphical results for the stations listed in Annex A Part A item 2b are not included as the stations, with one exception, are measured annually and therefore there are not enough data points to graph. Graphical results for SNP station 4-28-1 are included in Appendix B.

ACTIONS TAKEN IN RESPONSE TO EQC EXCEEDANCE (ANNEX A, PART A.2C).

There were no EQC exceedances this month.

MONITORING EQUIPMENT CALIBRATION (ANNEX A, PART A.2D)

Field water quality data is collected at the time of extraction using a YSI Professional Plus multimeter in conformance with NATC field sampling protocol. The YSI multi meter is calibrated prior to every sampling event using calibration solutions for pH and electrical conductivity, and atmospheric calibration for dissolved oxygen as per manufacturer instructions.

SUMMARY OF CUMULATIVE WATER USE (ANNEX A, PART A.2F)

A cumulative summary of water use is provided in Appendix C. Note, water used onsite was for non-potable purposes. Only bottled water was used for potable purposes.

METEOROLOGICAL MONITORING (ANNEX A, PART A.2G)

Data from the weather station was downloaded and included in Appendix D. There appeared to be some issues with data recording in the early part of July, but the station was functioning and recording for the rest of the month.

WATER WITHDRAWN FROM THE WATER SUPPLY FACILITY (ANNEX A PART C.1.A)

The water supply facility is not in use and no water was withdrawn from this location. Water withdrawn from the Flat River is reported above and in Appendix C.

ORE MILLED (ANNEX A PART C.1.B)

No ore was milled this month.

WASTE DISCHARGED TO THE TAILINGS CONTAINMENT AREA (ANNEX A PART C.1.C)

A weekly summary of wastewater effluent discharged to the TCA is provided in Appendix E.

THICKENER OVERFLOW DISCHARGED TO THE WASTEWATER TREATMENT FACILITIES AND/OR TP5 (ANNEX A PART C.1.D)

The Wastewater Treatment Facilities (WWTF) are permanently out of service with no thickener overflow discharge occurring.

CONTACT WATER DISCHARGED TO THE WASTEWATER TREATMENT FACILITIES AND/OR TP5 (ANNEX A PART C.1.E)

The Dry Stack Tailings Storage Facilities have not been constructed. There was no discharge from this facility this month.

Liquid Waste Discharged from the Wastewater Treatment Facilities (Annex A Part C.1.F)

The WWTF is permanently out of service and therefore no liquid waste will be discharged from the WWTF to Stinky Pond.

FLOW AND VELOCITY AT THE DRAINAGE CULVERT AT STINKY POND (ANNEX A PART C.1.G)

No monitoring was required nor occurred at this station this month.

DISCHARGE OF THE FLAT RIVER (ANNEX A PART C.1.H)

No monitoring was required nor occurred at this station this month.

LITHOLOGICAL IDENTIFICATION AND SULPHUR PLUS CARBON ANALYSES (ANNEX A PART C.1.I)

Mining has ceased; no new waste rock was generated this month and no analysis undertaken.

COMPOSITE MILL TAILS SAMPLE (ANNEX A PART C.1.J)

Milling has ceased; no new tails were generated this month, and no analysis undertaken.

OBSERVATIONS FROM THE INSPECTION OF THE TCA (ANNEX A PART C.1.K)

TCA observations can be found in Appendix F.

OBSERVATIONS FROM THE DAILY INSPECTION OF THE WWTF (ANNEX A PART C.1.L)

The WWTF is not in service. No inspection was undertaken.

DRY STACK TAILINGS MOISTURE AND DENSITY TESTING (ANNEX A PART C.1.M)

The Dry Stack Tailings Storage Facilities have not been constructed. No testing was undertaken this month.

DATA FROM THE PIEZOMETERS AND INCLINOMETERS (ANNEX A PART C.1.N)

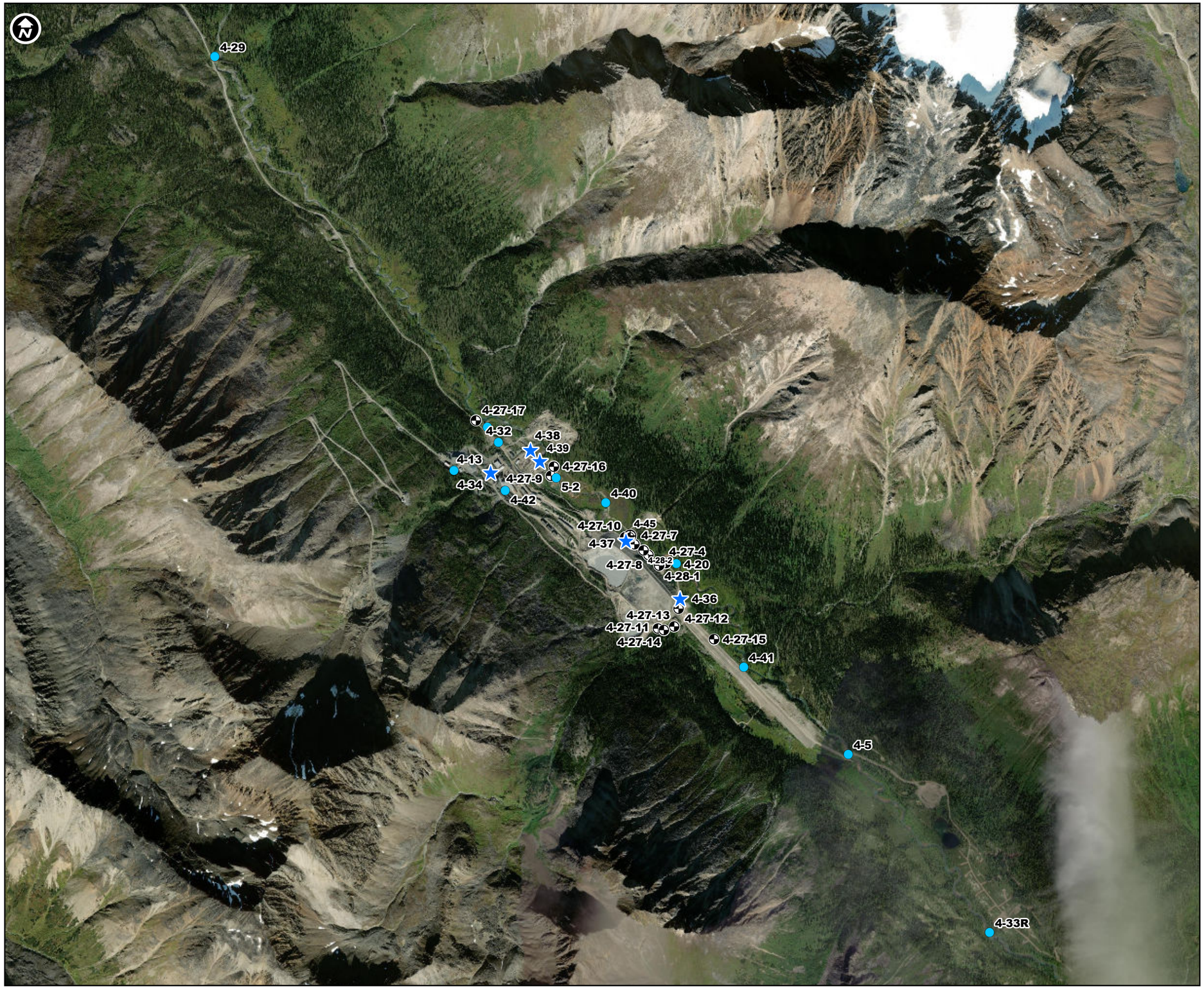
Dataloggers were installed on the piezometers in July 2023 which allow for continuous logging; data was downloaded from the stations in July 2024 and the results are plotted in Appendix G.

CLOSURE

We trust the foregoing information is satisfactory for your requirements. If you have any questions or concerns, please contact Marianna Lee at marianna.lee@alvarezandmarsal.com.

PARSONS INC.

Michael Taylor, P.Ag.



LEGEND

Category

- Groundwater Station
- Flow
- Seepage
- Surface Water

0 250 500 1,000
Metres

Monitoring Locations

CANTUNG MINE, NT

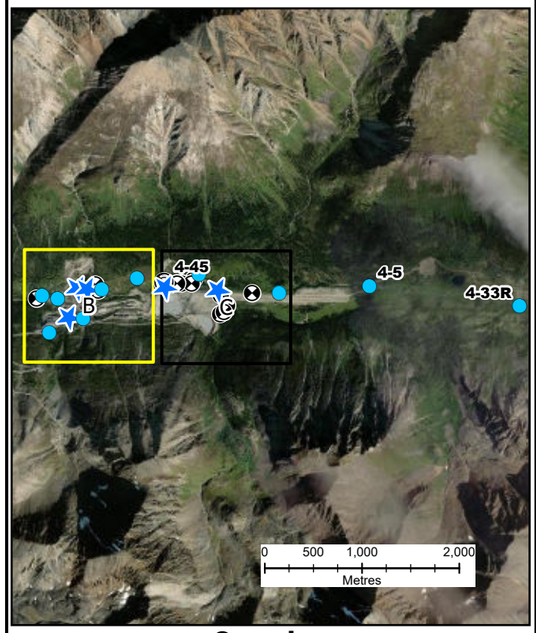
Reference: Tetra Tech, 2024	Drawn By: JDC	Ref. No.: 10-13166
	Reviewed By: MFT	Date: 12-Sep-2024
PARSONS		Drawing No.: 1

Document Path: C:\Z_Drive\10-13166\APRX\13166_Site_Plan_8309.aprx Coordinate System: NAD 1983 UTM Zone 9N

LEGEND

Surveillance Network Program (SNP) Stations

- Groundwater Station
- Flow
- Seepage
- Surface Water



Overview

0 50 100 200
Metres

Monitoring Locations

CANTUNG MINE, NT

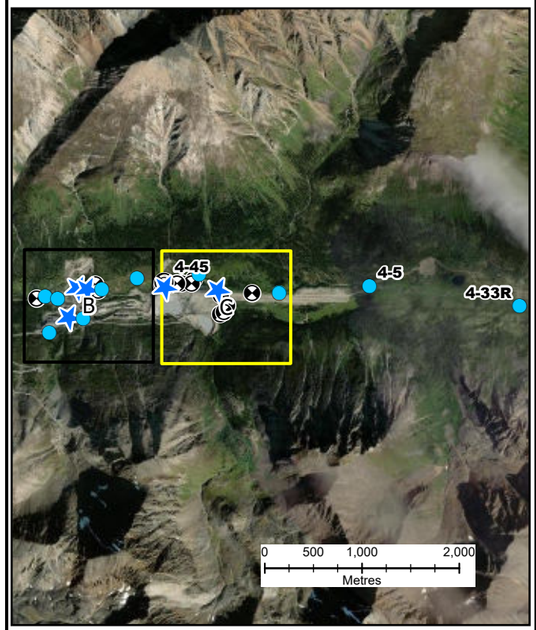
Reference: Tetra Tech, 2024	Drawn By: JDC	Ref. No.: 10-13166
	Reviewed By: MFT	Date: 23-Sep-2024
PARSONS		Drawing No.: 2

Document Path: C:\Z_Drive\10-13166\APRX\13166_Site_Plan_8309.aprx Coordinate System: NAD 1983 UTM Zone 9N

LEGEND

Surveillance Network Program (SNP) Stations

- Groundwater Station
- Flow
- Seepage
- Surface Water



Overview

0 50 100 200
Metres

Monitoring Locations

CANTUNG MINE, NT

Reference: Tetra Tech, 2024	Drawn By: JDC	Ref. No.: 10-13166
	Reviewed By: MFT	Date: 12-Sep-2024
PARSONS		Drawing No.: 3

Document Path: C:\Z_Drive\10-13166\APRX\13166_Site_Plan_8309.aprx Coordinate System: NAD 1983 UTM Zone 9N

APPENDIX A

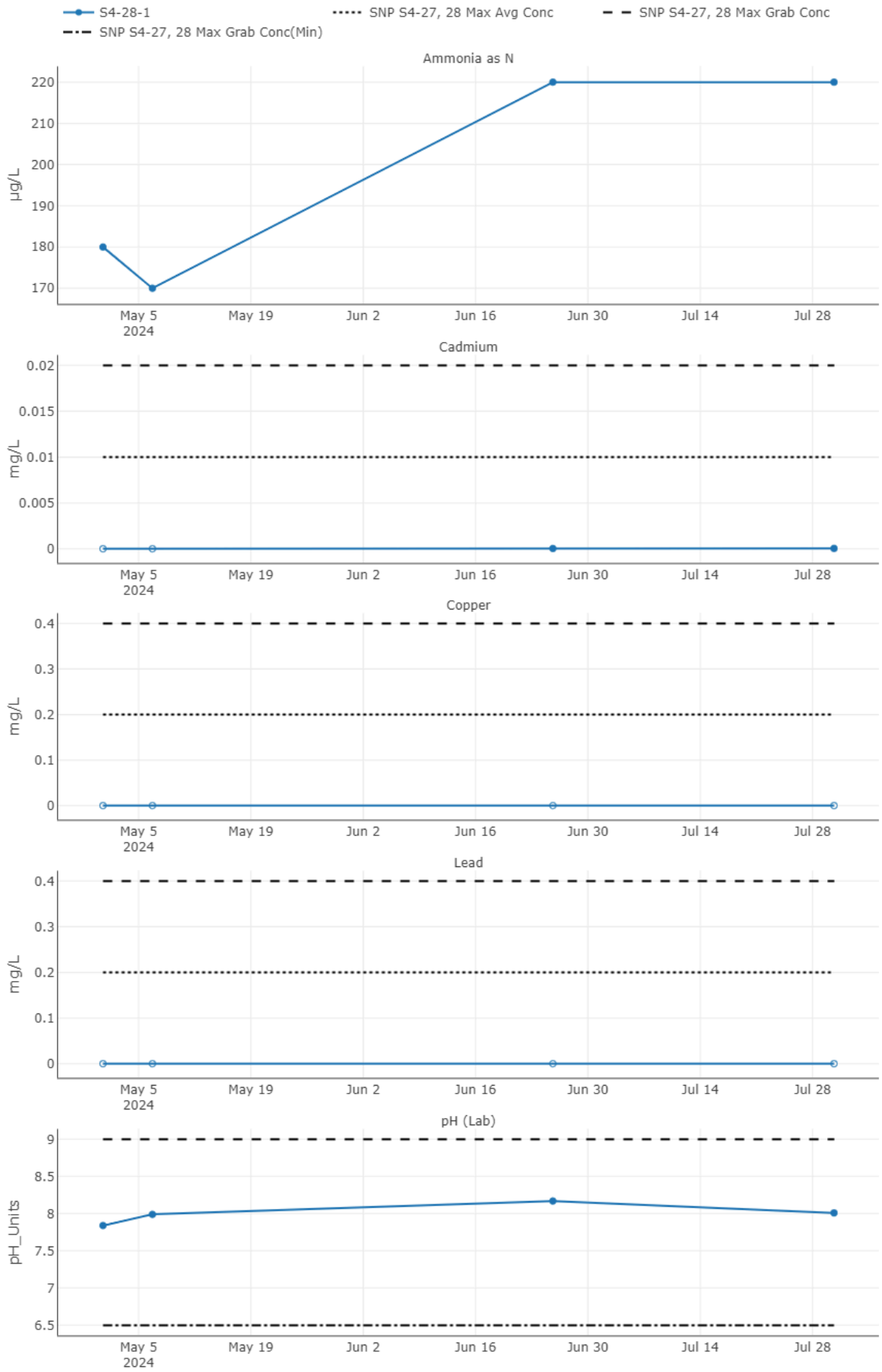
WATER QUALITY DATA

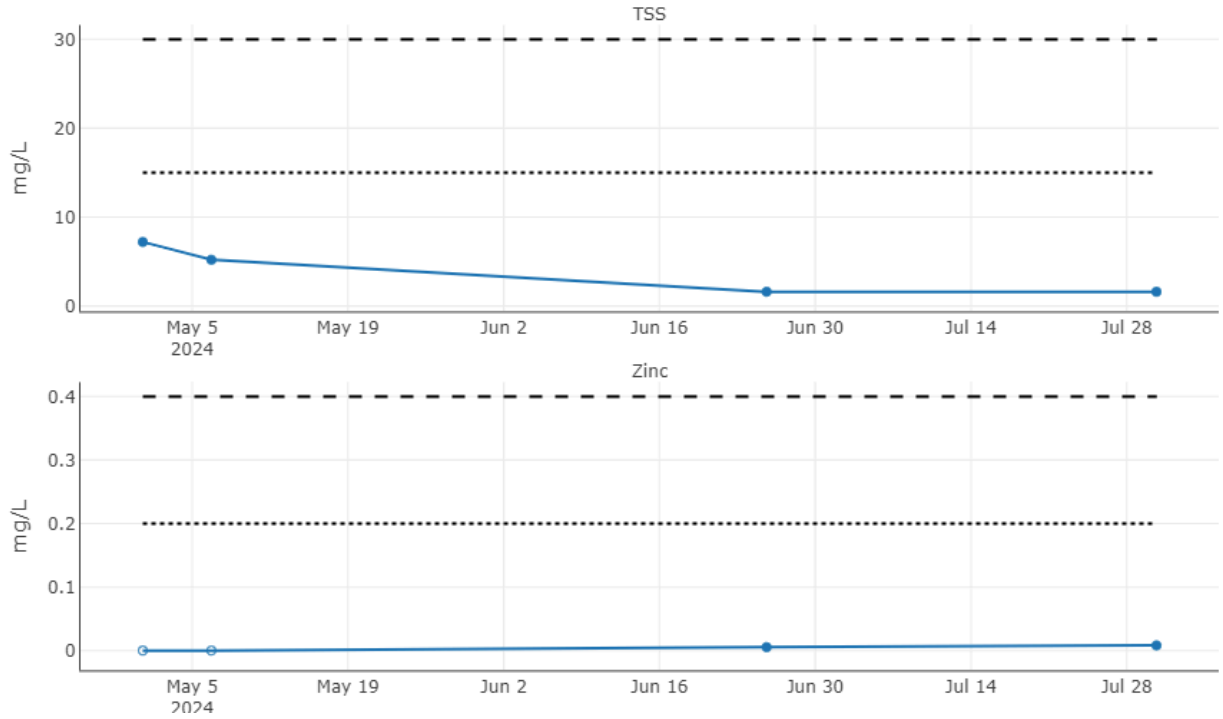
Excel File Enclosed

APPENDIX B

WATER QUALITY TREND CHARTS

Chemistry Graph





The report was generated based on the following filter:

Locations In "S4-28-1",

Chem Names In "Ammonia as N,Cadmium,Copper,Le...",

Sampled Date between "30 Mar 2024" and "29 Jul 2024",

Total or Filtered "Total"

Non-detects are indicated by a hollow marker

Publication Date: 24 Sep 2024

APPENDIX C

SUMMARY OF CUMULATIVE WATER USE

Excel File Enclosed

APPENDIX D

METEOROLOGICAL DATA

Excel File Enclosed

APPENDIX E

WASTEWATER DISCHARGED TO TCA

Excel File Enclosed

APPENDIX F

TCA INSPECTION CHECKLIST

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)	
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
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)	Nothing Fresh This PAST week
Y		e	Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	Drying
Y		f	Visible signs of Soiltac degradation	Yes
	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)	Nothing Fresh This PAST week
Y		e	Changes in ponded or accumulated water, indicating atypical increase in drying or wetting	Drying
Y		f	Visible signs of Soiltac degradation	YES
	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	Drying
Y		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, TCA4, 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 Ditchs 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: _____

G. English

[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

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 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	NO CHANGE
Y		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	
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 Soiltac degradation	
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.	SOME EROSION from HEAVY RAIN

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 (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	
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, 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
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: Jul 19 Initials: BJ

[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	
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, 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: 2F, 3F, 4F Issue/action: Soiltac is Not Standing up.

Follow-up on outstanding actions

Check ID: 2F, 3F, 4F Action date / Status: FLATTENING SLOPES for BETTER Soiltac Application
Soiltac Application next week

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

Checklist and photos email to EOR, A&M: Y/N Date: July 26 Initials: BJ

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

APPENDIX G

DATA FROM THE PIEZOMETERS AND INCLINOMETERS

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

NOTE:

IMAGERY COLLECTED JULY 2023

CLIENT

NORTH AMERICAN TUNGSTEN CORPORATION LTD

TETRA TECH

CANTUNG MINE SITE MONITORING

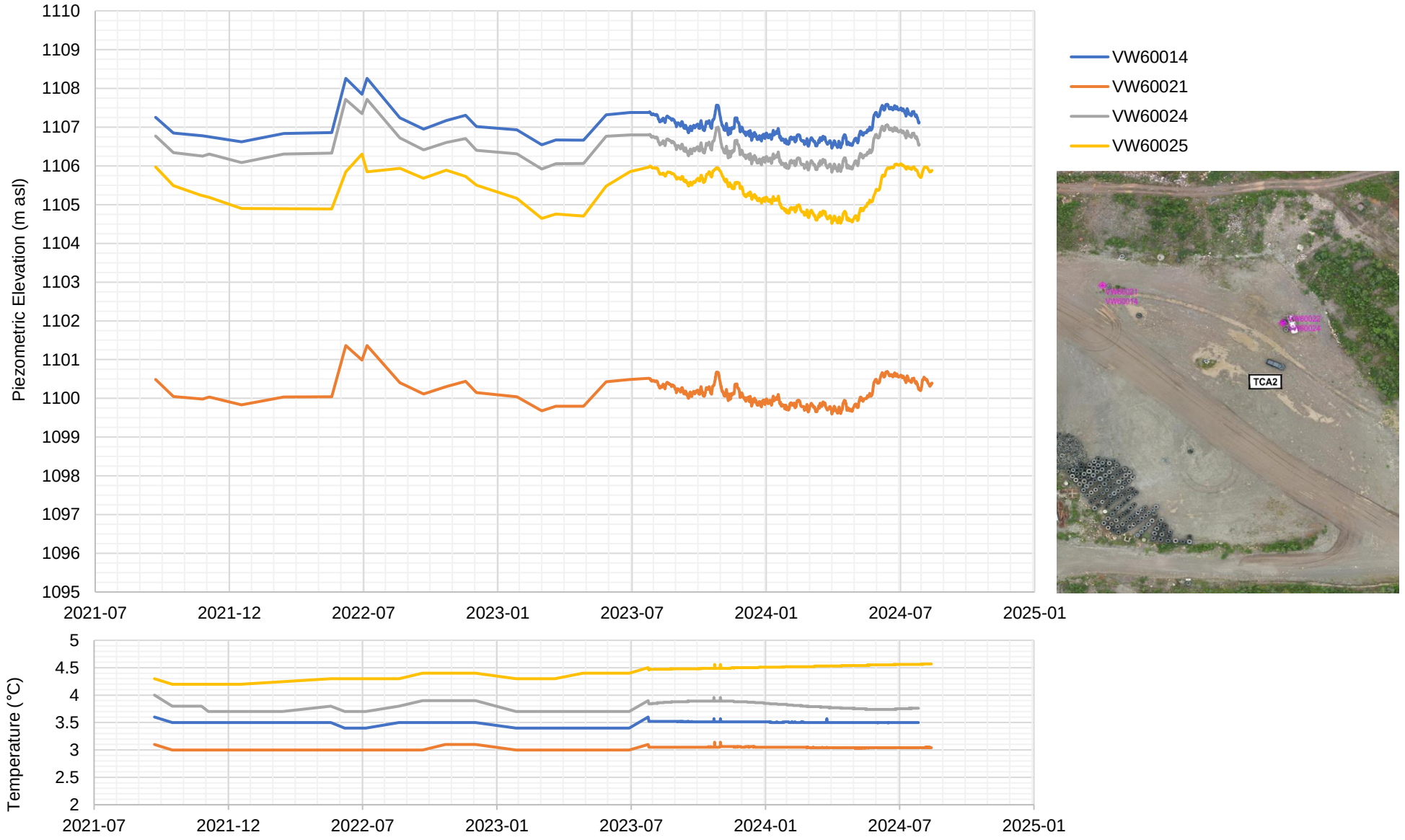
TCA1 Groundwater Elevation Monitoring

OFFICE	DWN	CKD	REV
EBA-WHSE	SAM	CPC	0

DATE: September 4, 2024

PROJECT NO.: 704-ENG.WARC04142-03

FIGURE 1



VWP ID	TIP EL. (masl)
VW60014	1088.3
VW60021	1097.5
VW60024	1087.2
VW60025	1114.3

NOTE:

IMAGERY COLLECTED JULY 2023

CLIENT

NORTH AMERICAN TUNGSTEN CORPORATION LTD

TETRA TECH

CANTUNG MINE SITE MONITORING

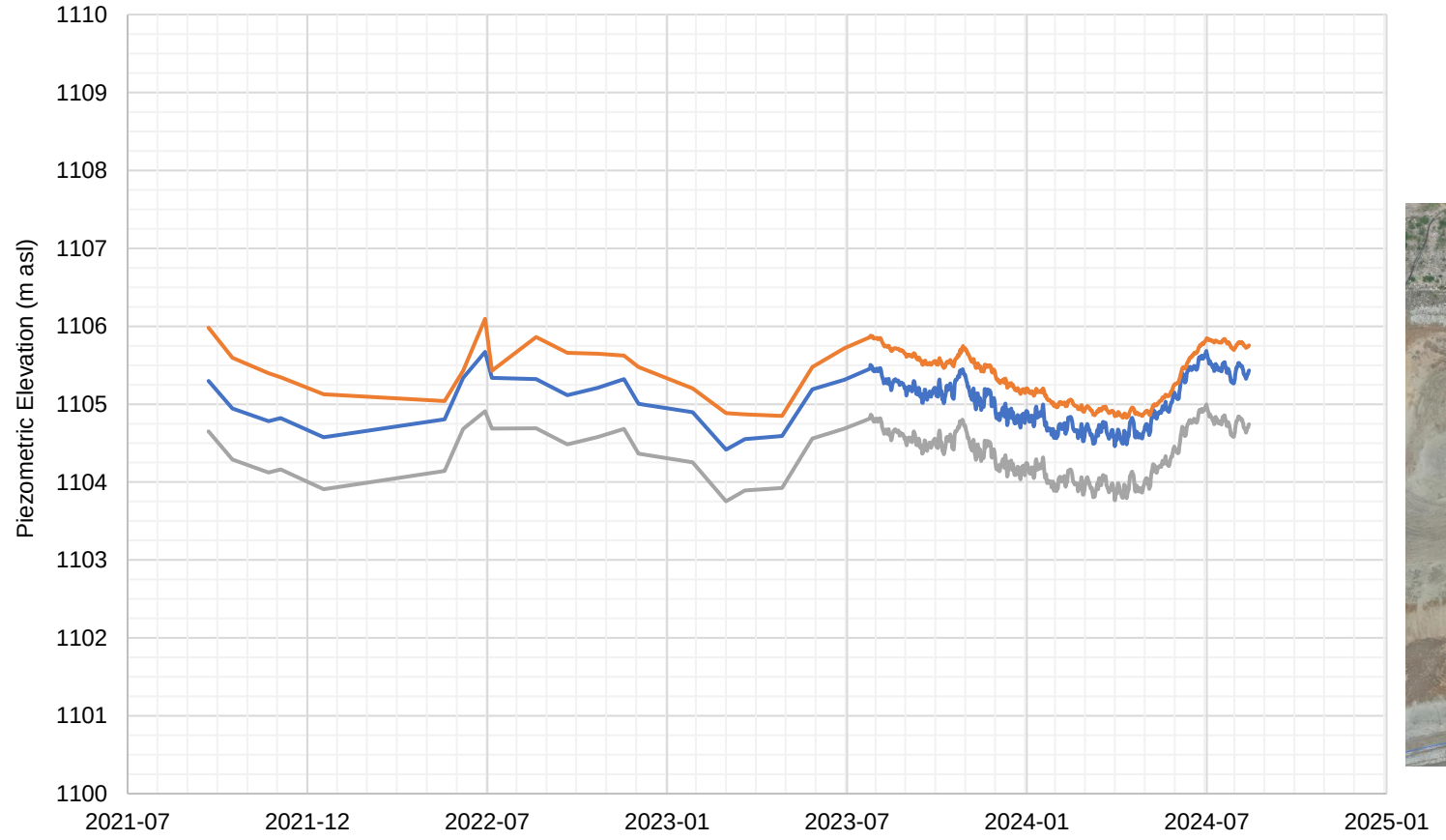
TCA2 Groundwater Elevation Monitoring

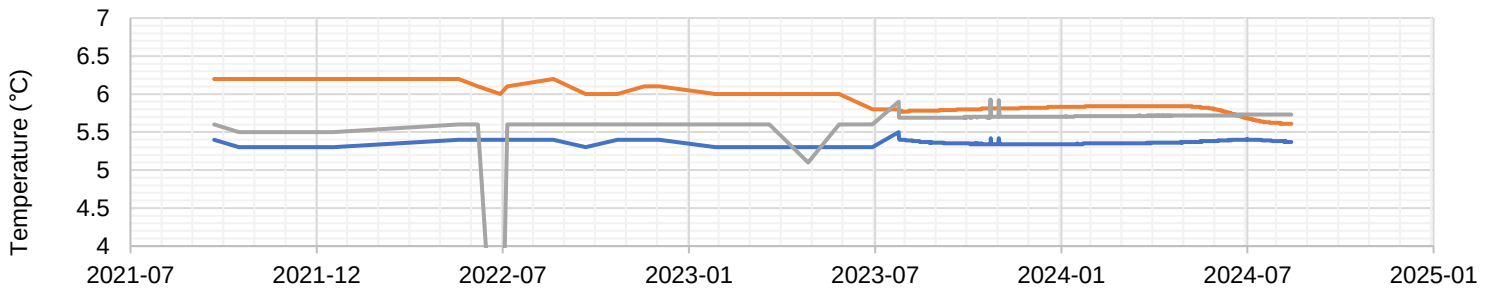
OFFICE	DWN	CKD	REV
EBA-WHSE	SAM	CPC	0

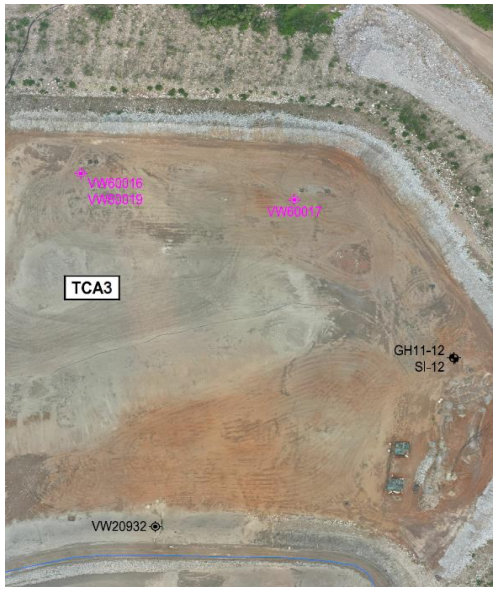
DATE: September 4, 2024

PROJECT NO.: 704-ENG.WARC04142-03

FIGURE 2







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

NOTE:

IMAGERY COLLECTED JULY 2023

CLIENT

NORTH AMERICAN TUNGSTEN CORPORATION LTD

TETRA TECH

CANTUNG MINE SITE MONITORING

TCA3 Groundwater Elevation Monitoring

OFFICE	DWN	CKD	REV
EBA-WHSE	SAM	CPC	0

DATE	PROJECT NO.
September 4, 2024	704-ENG.WARC04142-03

FIGURE 3

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

NOTE:

IMAGERY COLLECTED JULY 2023

CLIENT

NORTH AMERICAN TUNGSTEN CORPORATION LTD

TETRA TECH

CANTUNG MINE SITE MONITORING

TCA4 Groundwater Elevation Monitoring

OFFICE	DWN	CKD	REV
EBA-WHSE	SAM	CPC	0

DATE: September 4, 2024

PROJECT NO.: 704-ENG.WARC04142-03

FIGURE 4

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

NOTE:

IMAGERY COLLECTED JULY 2023

CLIENT

NORTH AMERICAN TUNGSTEN CORPORATION LTD

TETRA TECH

CANTUNG MINE SITE MONITORING

TCA5 Groundwater Elevation Monitoring

OFFICE	DWN	CKD	REV
EBA-WHSE	SAM	CPC	0

DATE: September 4, 2024

PROJECT NO.: 704-ENG.WARC04142-03

FIGURE 5