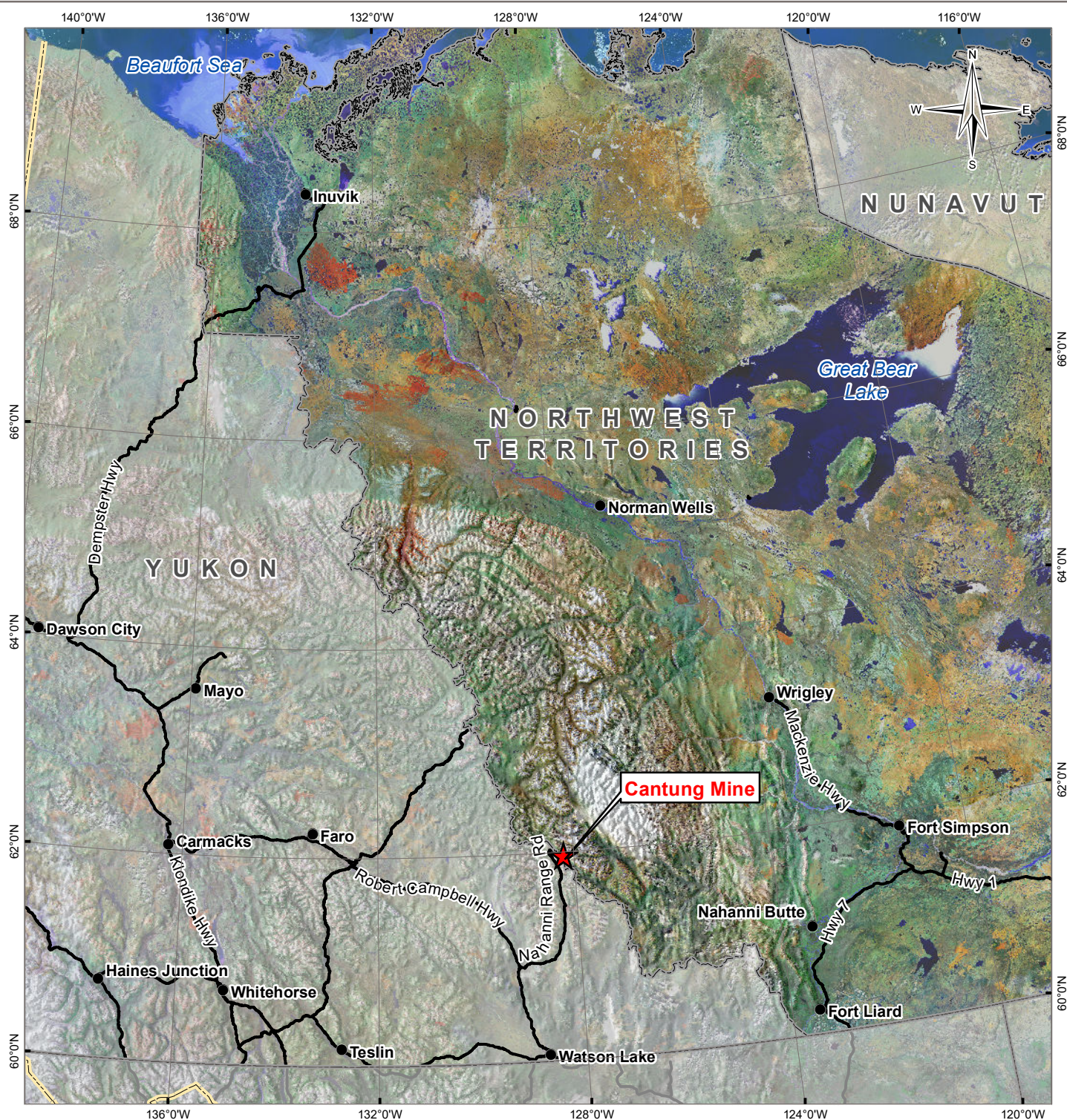


FIGURES

Figure 2-1	Location of Cantung Mine
Figure 3-1	General Site Plan
Figure 3-2	Mine Site and Townsite Overview
Figure 5-1	Regional Geology around Cantung Mine Site Area
Figure 5-2	Bedrock Geology at Surface
Figure 5-3	Terrain Map
Figure 6-1	Detailed Building Names Cantung Mine Site Plan
Figure 7-1	Underground Schematic Plan
Figure 7-2	Underground Schematic
Figure 7-3	PUG Pit
Figure 7-4	Waste Rock Stockpile #1
Figure 7-5	Waste Rock Stockpile #2
Figure 7-6	Main Waste Rock Pile (WR1) and Low Grade Ore Stockpile (WR2) - Plan View
Figure 7-7	Main Waste Rock Pile (WR1), Section A and B
Figure 7-8	Main Waste Rock Pile (WR1), Section C
Figure 7-9	Low Grade Ore Stockpile (WR2), Section D and E
Figure 7-10	Representative Section of TP1 and TP2 Water Balance
Figure 7-11	Representative Section of TP4, TP3, TP5 Water Balance
Figure 7-12	Tailings in Flat River Floodplain Plan View
Figure 8-1	Mine Site and Townsite Overview, Showing Existing Mine Discharge Ditches, Culverts, and Surface Drainage
Figure 8-2	Airstrip and Active Landfill Overview, Showing Existing Ditches, Culverts, and Surface Drainage
Figure 8-3	Mine Site and Townsite Overview Groundwater Elevation Contours and Monitoring Wells
Figure 8-4	Airstrip and New Landfill Overview, Showing Groundwater Monitoring Wells
Figure 8-10	Overall Site Water Management Plan and Catchment Area Boundaries
Figure 8-12	Flat River PMF Lateral Extents and Velocity
Figure 11-1	Site Model – Source, Pathway, Receptor - Waste Rock Piles, NW Mine, TP1/2
Figure 11-2	Site Model – Source, Pathway, Receptors - Flat River Tailings, SE Mine, TP4
Figure 11-3	Site Model – Source, Pathway, Receptors - TP3, TP5
Figure 11-4	Site Model – Source, Pathway, Receptors - Airstrip
Figure 11-5	Site Model – Source, Pathway, Receptors - Southeast Area, New Landfill
Figure 11-6	Existing Conditions Conceptual Model for Primary Source Areas
Figure 11-7	Plan view of Underground Workings at 1204m Level
Figure 11-8	Plan view of Underground Workings at 1204m Level – Detail View of East
Figure 11-9	Plan view of Underground Workings at 1204m Level – Detail View of West

Q:\Vancouver\GIS\ENVIRONMENTAL\WENW03039-03\Maps\Geochem_CSM\WENW03039-03_Fig2-1_SiteLocation.mxd modified 4/14/2021 by stephanie.leusink



LEGEND

-  Site Location
-  Populated Place
-  Major Road
-  Provincial / Territorial Boundary
-  International Border

NOTES

Base data source:
ESRI Data & Maps; Geomatics Yukon.

STATUS
ISSUED FOR USE

CANTUNG MINE CONCEPTUAL SITE MODEL

Location of Cantung Mine

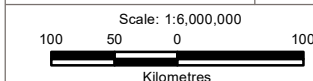
PROJECTION

Yukon Albers

DATUM

NAD83

CLIENT



FILE NO.
WENW03039-03_Fig2-1_SiteLocation.mxd

OFFICE

TL-VANC

DWN

SL

CKD

BB

APVD

SK

REV

0

DATE

May 2021

PROJECT NO.

ENW.WENW03039-03

Figure 2-1

Q:\Vancouver\GIS\ENVIRONMENTAL\WENW03039-03\Maps\Geochem_CSM\WENW03039-03_Fig3-1_SitePlan.mxd modified 4/14/2021 by stephanie.leusink



LEGEND

- Building
- Road
- Runway
- Bridge
- Ditch
- Watercourse
- Extent of Figure 3-2

NOTES
Base data source:
Data provided by INAC (2013).
Drone imagery at the borrow pit, tailings ponds,
and interceptor ditch collected in 2018.

STATUS
ISSUED FOR USE

CANTUNG MINE
CONCEPTUAL SITE MODEL

General Site Plan

PROJECTION UTM Zone 9		DATUM NAD83		CLIENT  NORTH AMERICAN TUNGSTEN CORPORATION LTD	
Scale: 1:15,000 200 100 0 200  Metres					
FILE NO. WENW03039-03_Fig3-1_SitePlan.mxd					
OFFICE Tl-VANC	DWN SL	CKD BB	APVD SK	REV 0	 TETRA TECH Figure 3-1
DATE May 2021	PROJECT NO. ENW.WENW03039-03				



Q:\Vancouver\GIS\ENVIRONMENTAL\WENW03039-03\Fig3-2_MineSite.mxd modified 4/14/2021 by stephanie.leusink

LEGEND

- Building
- Road
- Bridge
- Ditch
- Watercourse

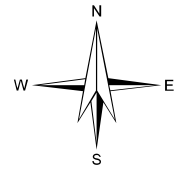
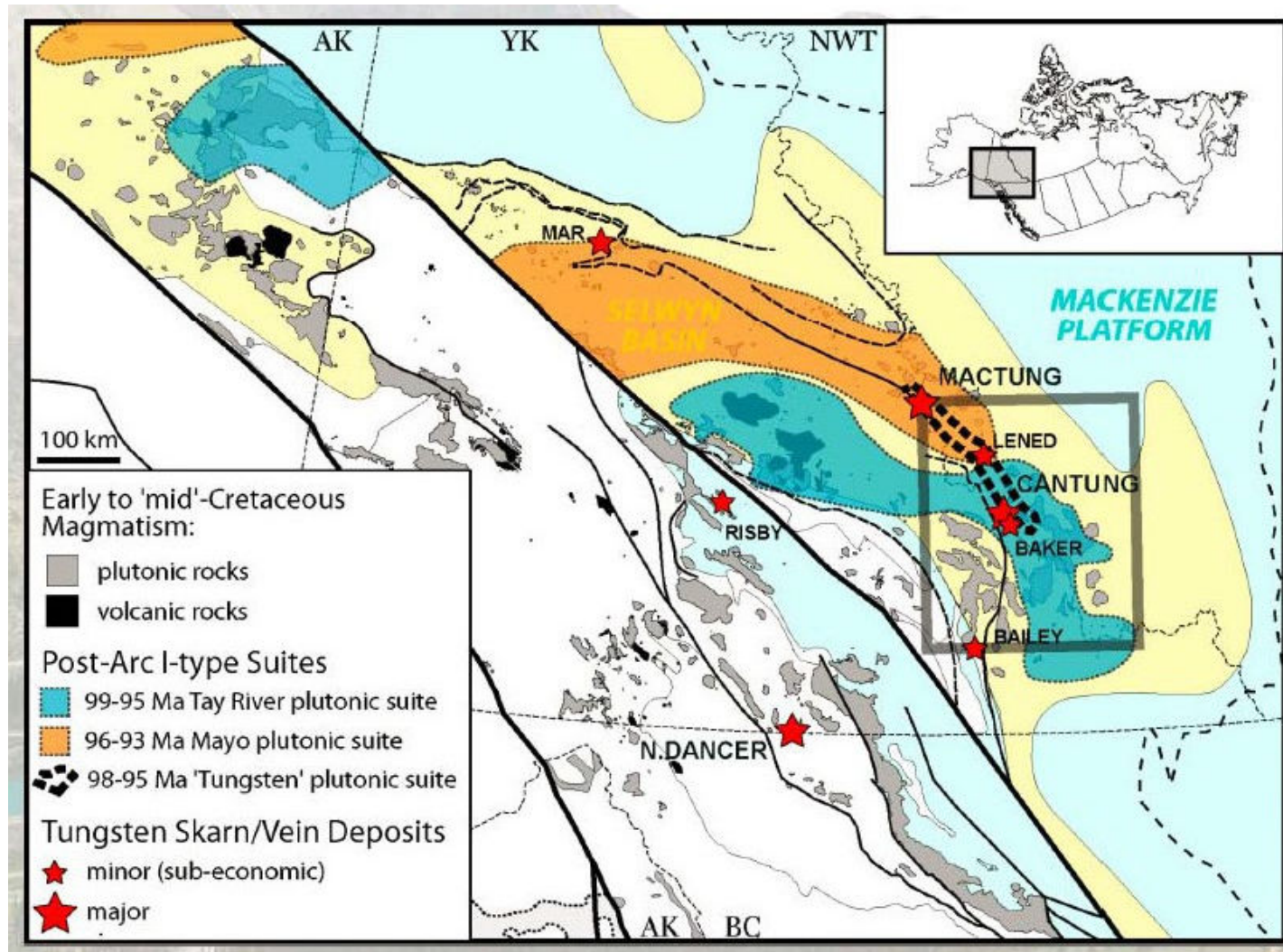
NOTES
Base data source:
Data provided by INAC (2013).
Drone imagery at the borrow pit, tailings ponds,
and interceptor ditch collected in 2018.

STATUS
ISSUED FOR USE

CANTUNG MINE
CONCEPTUAL SITE MODEL

Mine Site and Townsite Overview

PROJECTION UTM Zone 9	DATUM NAD83	CLIENT
Scale: 1:5,000 100 50 0 100 Metres		
FILE NO. WENW03039-03_Fig3-2_MineSite.mxd		
OFFICE Tl-VANC	DWN SL	CKD BB
DATE May 2021	APVD SK	REV 0
PROJECT NO. ENW.WENW03039-03		TETRA TECH
Figure 3-2		



NOTES
Base data source:
Technical Report on the Cantung Mine,
NWT, Canada, Figure 7.1
(NATC, 2014).

NOT TO SCALE

PROJECTION
N/A

DATUM
N/A

FILE NO.
WENW03039-03_Fig5-1_RegGeol.mxd

CLIENT
NORTH AMERICAN TUNGSTEN CORPORATION LTD.

TETRA TECH

OFFICE
TI-VANC

DATE
May 2021

DWN
SL

CKD
BB

APVD
SK

REV
0

PROJECT NO.
ENW.WENW03039-03

CANTUNG MINE CONCEPTUAL SITE MODEL

Regional Geology around Cantung Mine Site Area

Figure 5-1

STATUS
ISSUED FOR USE



NOTES
Base data source:
Technical Report on the Cantung Mine,
NWT, Canada, Figure 7.2
(NATC, 2014).

STATUS
ISSUED FOR USE

PROJECTION
N/A

DATUM
N/A

FILE NO.
WENW03039-03_Fig5-2_MineGeol.mxd

CLIENT
NORTH AMERICAN TUNGSTEN CORPORATION LTD.

TETRA TECH

CANTUNG MINE CONCEPTUAL SITE MODEL

Bedrock Geology at Surface

OFFICE
TI-VANC
DATE
May 2021

DWN	CKD	APVD	REV
SL	BB	SK	0

PROJECT NO.
ENW.WENW03039-03

Figure 5-2

Q:\Vancouver\GIS\ENVIRONMENTAL\WEN\W03039-03\Fig6-1_Buildings.mxd modified 4/14/2021 by stephanie.leusink



LEGEND

- Building
- Road
- Ditch
- Watercourse

NOTES
Base data source:
Data provided by INAC (2013).
Drone imagery at the borrow pit, tailings ponds,
and interceptor ditch collected in 2018.

STATUS
ISSUED FOR USE

CANTUNG MINE
CONCEPTUAL SITE MODEL

Detailed Building Names
Cantung Mine Site Plan

PROJECTION
UTM Zone 9

DATUM
NAD83

CLIENT
NORTH AMERICAN
TUNGSTEN
CORPORATION LTD

Scale: 1:3,000
50 25 0 50
Metres

FILE NO.
WENW03039-03_Fig6-1_Buildings.mxd

OFFICE
Tl-VANC

DWN
SL

CKD
BB

APVD
SK

REV
0

DATE
May 2021

PROJECT NO.
ENW.WENW03039-03

Tt TETRA TECH

Figure 6-1

C:\Users\gary.koop\Desktop\Cantung\CAD2.0 Working Drawings\UndergroundUG Schematic.dwg [FIGURE 7-1] September 08, 2020 - 11:18:58 am (BY: KOOP, GARY)



NOTES

1. Horizontal Datum/Projection: UTM Zone 9N, NAD 83 (CSRS)(2010) - Meters
2. 10 m contour intervals

STATUS

ISSUED FOR USE

CLIENT



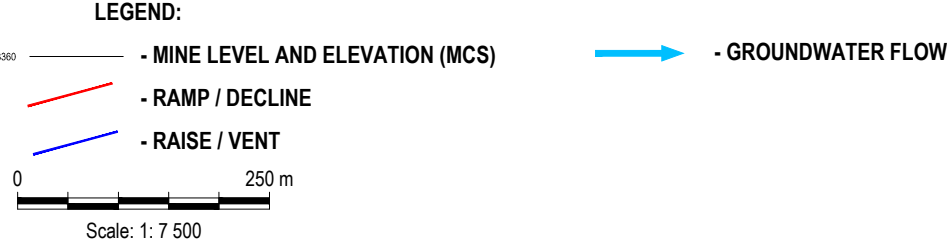
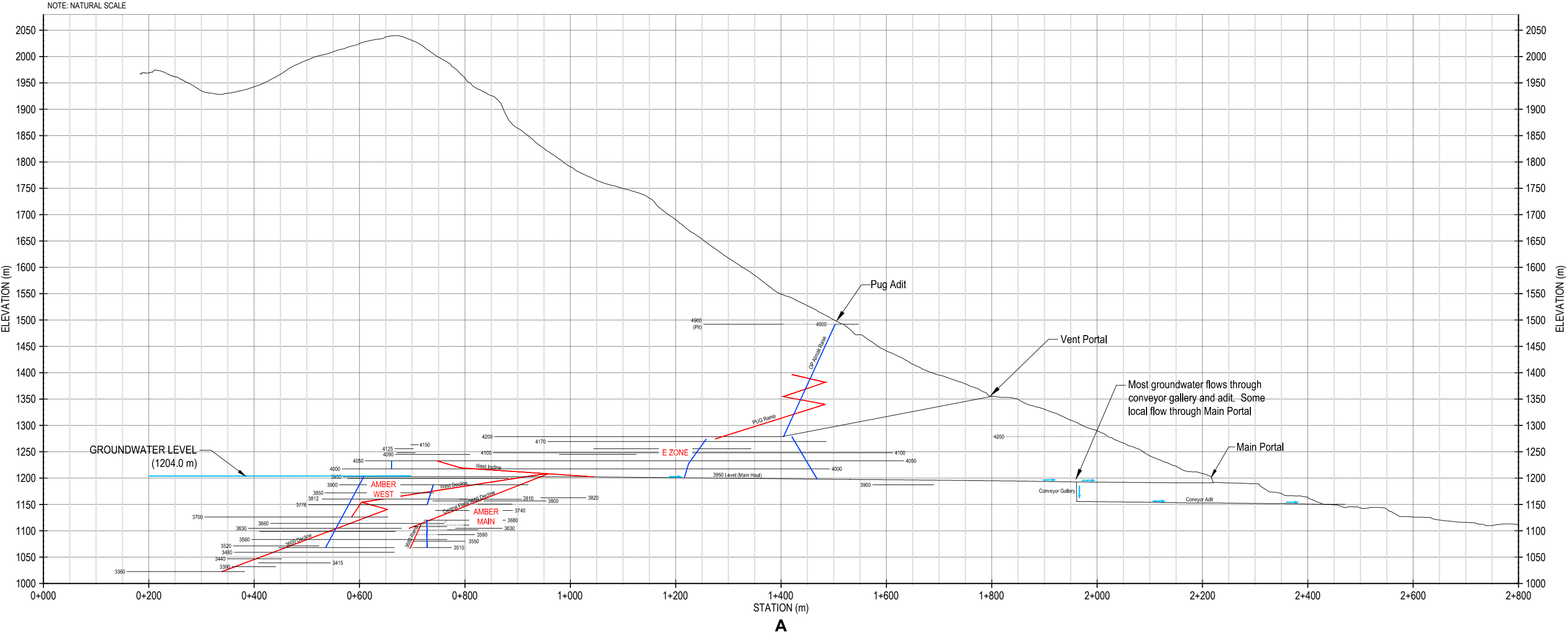
CONCEPTUAL SITE MODEL
CANTUNG MINE, NT

Underground Schematic
Plan

PROJECT NO. ENW.WENW03039-05	DWN GDK	CKD SK	REV A	Figure 7-1
OFFICE EDM	DATE May 2021			

0 250 m
Scale: 1: 7 500

C:\Users\gary.koop\Desktop\Cantung\Cantung\CAD2.0 Working Drawings\Underground\UG Schematic.dwg [FIGURE 7-2] September 08, 2020 - 11:55:15 am (BY: KOOP, GARY)



NOTES
1. Base drawing provided by NATC

STATUS
ISSUED FOR USE

CLIENT

NORTH AMERICAN TUNGSTEN CORPORATION LTD

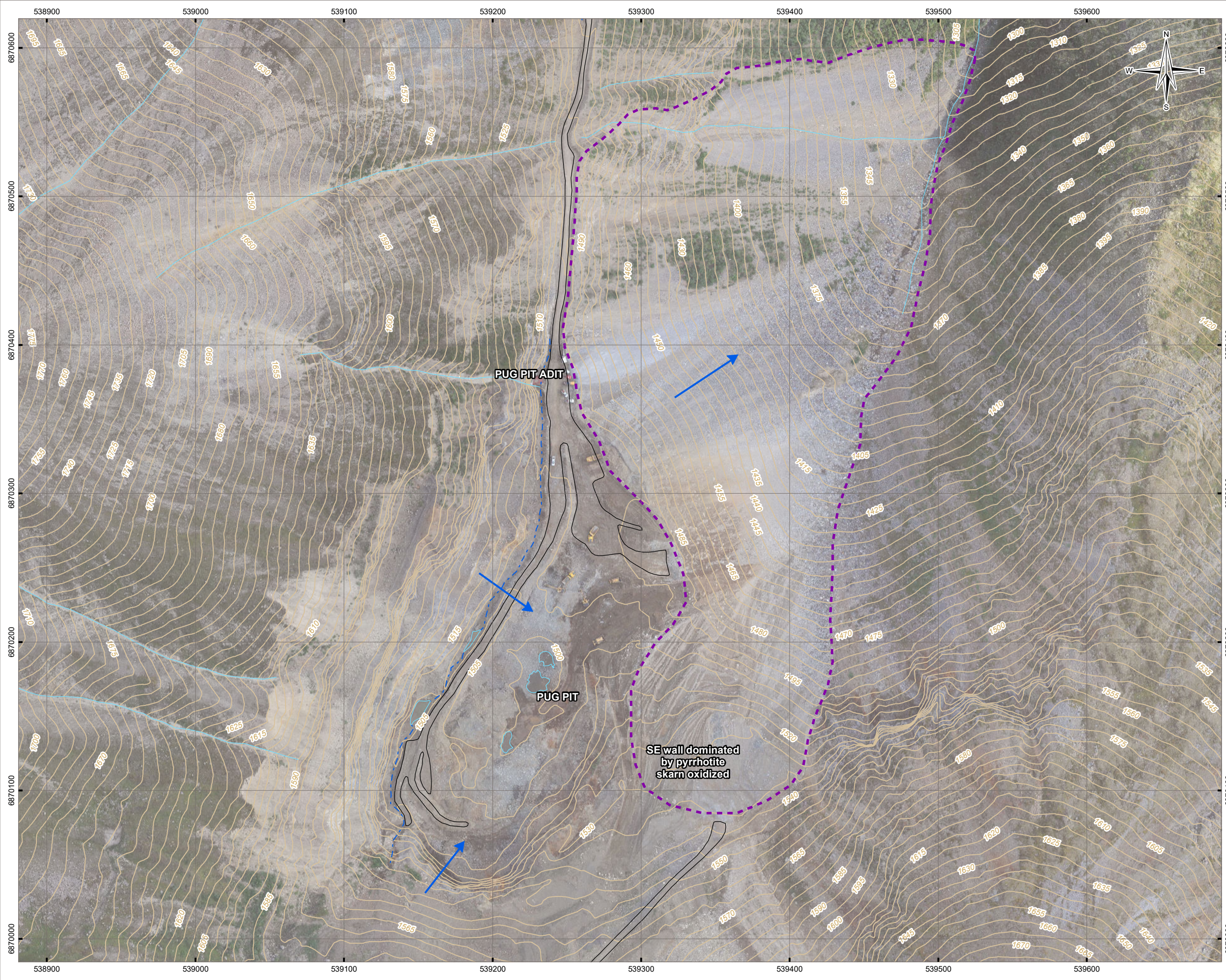
TETRA TECH

CONCEPTUAL SITE MODEL
CANTUNG MINE, NT

Underground Schematic

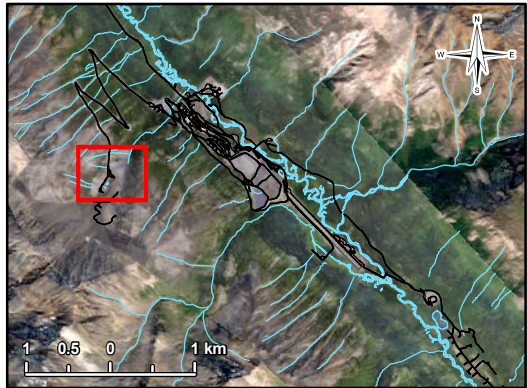
PROJECT NO. ENW.WENW03039-05	DWN GDK	CKD SK	REV A	Figure 7-2
OFFICE EDM	DATE May 2021			

Q:\Vancouver\GIS\ENVIRONMENTAL\WENW\WENW03039-03\Maps\Geochem_CSMW\ENW03039-03_Fig7-3_PUG-OpenPit.mxd modified 4/14/2021 by stephanie.leusink



LEGEND

- Inferred Boundary of Waste Rock Stockpile #3
- Surface Water Flow Direction
- Road
- Ditch
- Watercourse
- Contour (5 m)

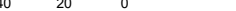


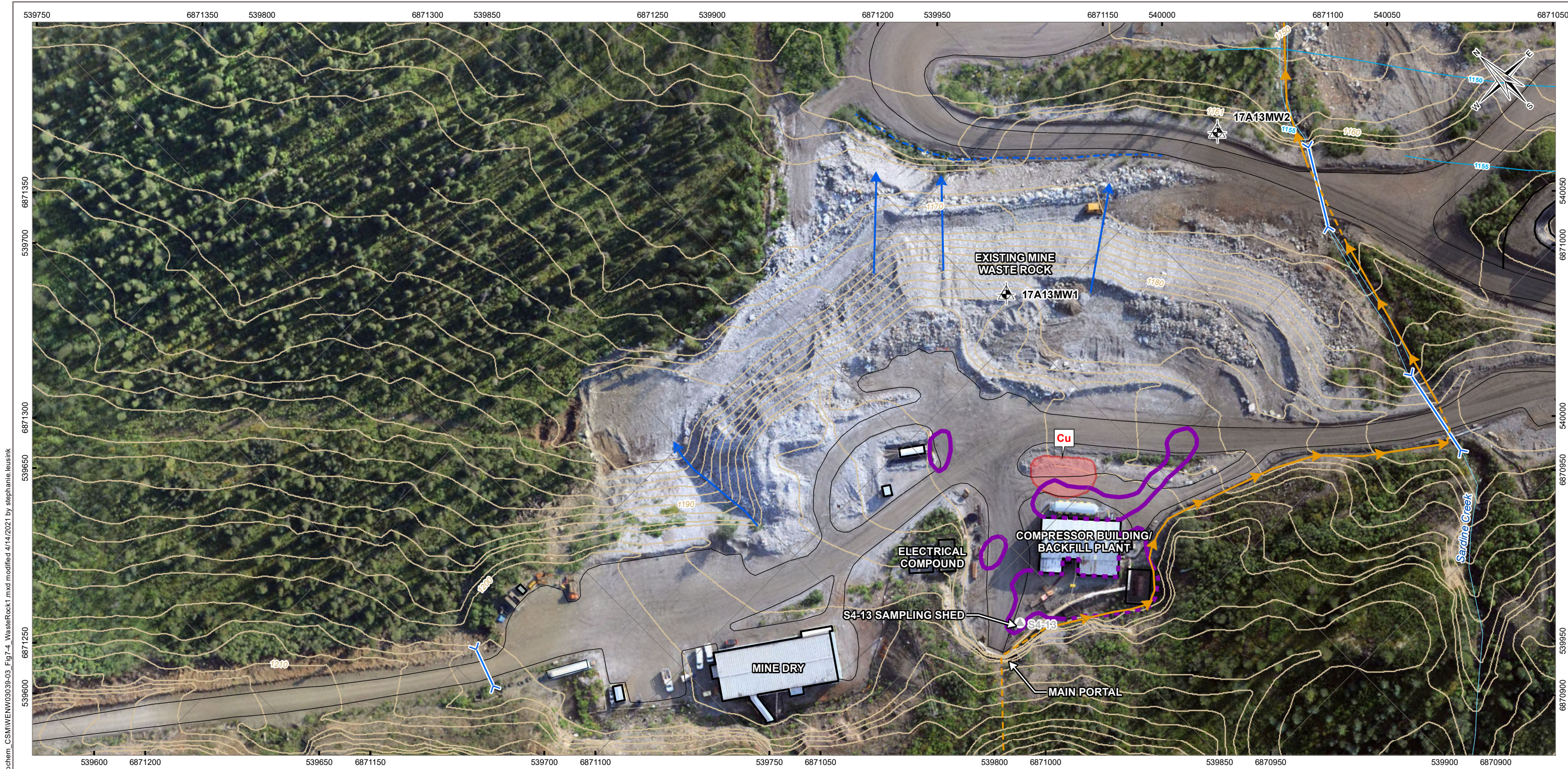
NOTES
All locations and area boundaries are approximate.
Base data source:
Data provided by INAC (2013).
Drone imagery at the borrow pit, tailings ponds,
and interceptor ditch collected in 2018.

STATUS
ISSUED FOR USE

CANTUNG MINE
CONCEPTUAL SITE MODEL

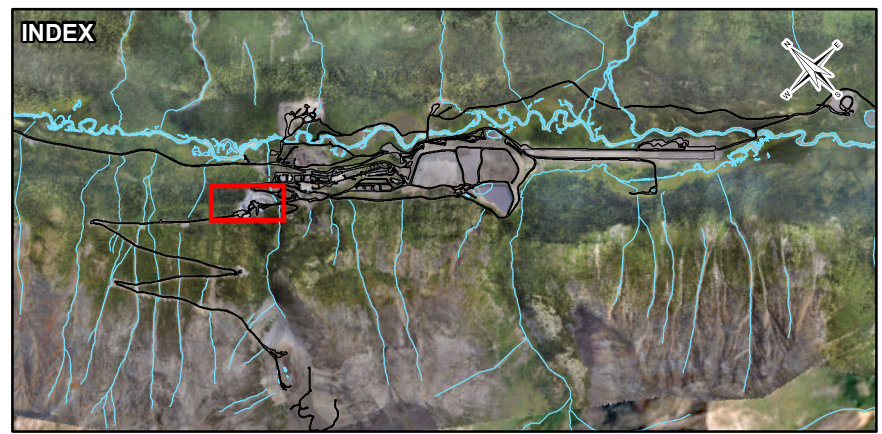
PUG Pit

PROJECTION UTM Zone 9		DATUM NAD83		CLIENT  NORTH AMERICAN TUNGSTEN CORPORATION LTD			
Scale: 1:2,500 4020040  Metres						 TETRA TECH	
FILE NO. WENW03039-03_Fig7-3_PUG-OpenPit.mxd							
OFFICE TL-VANC		DWN SL	CKD BB	APVD SK	REV 0		
DATE May 2021		PROJECT NO. ENW.WENW03039-03					
Figure 7-3							



LEGEND

- 2017 Monitoring Well (MW)
- Historical Surface Water Sample
- Mine Discharge Drainage Path (above-ground)
- Mine Discharge Drainage Path (below-ground)
- Surface Run-off Drainage Path
- Ditch
- Culvert
- Estimated Area with Soil Metals Exceeding SSRC
- Estimated PHC Affected Area (Management Limits)
- Inferred PHC Extent (requires further assessment) (Management Limits)
- Groundwater Contour (5 m asl; Fall 2017)
- Building
- Road
- Watercourse
- Contour (2 m)



NOTES
All locations and area boundaries are approximate.
Base data source:
Data provided by INAC (2013).
Drone imagery at the borrow pit, tailings ponds, and interceptor ditch collected in 2018.

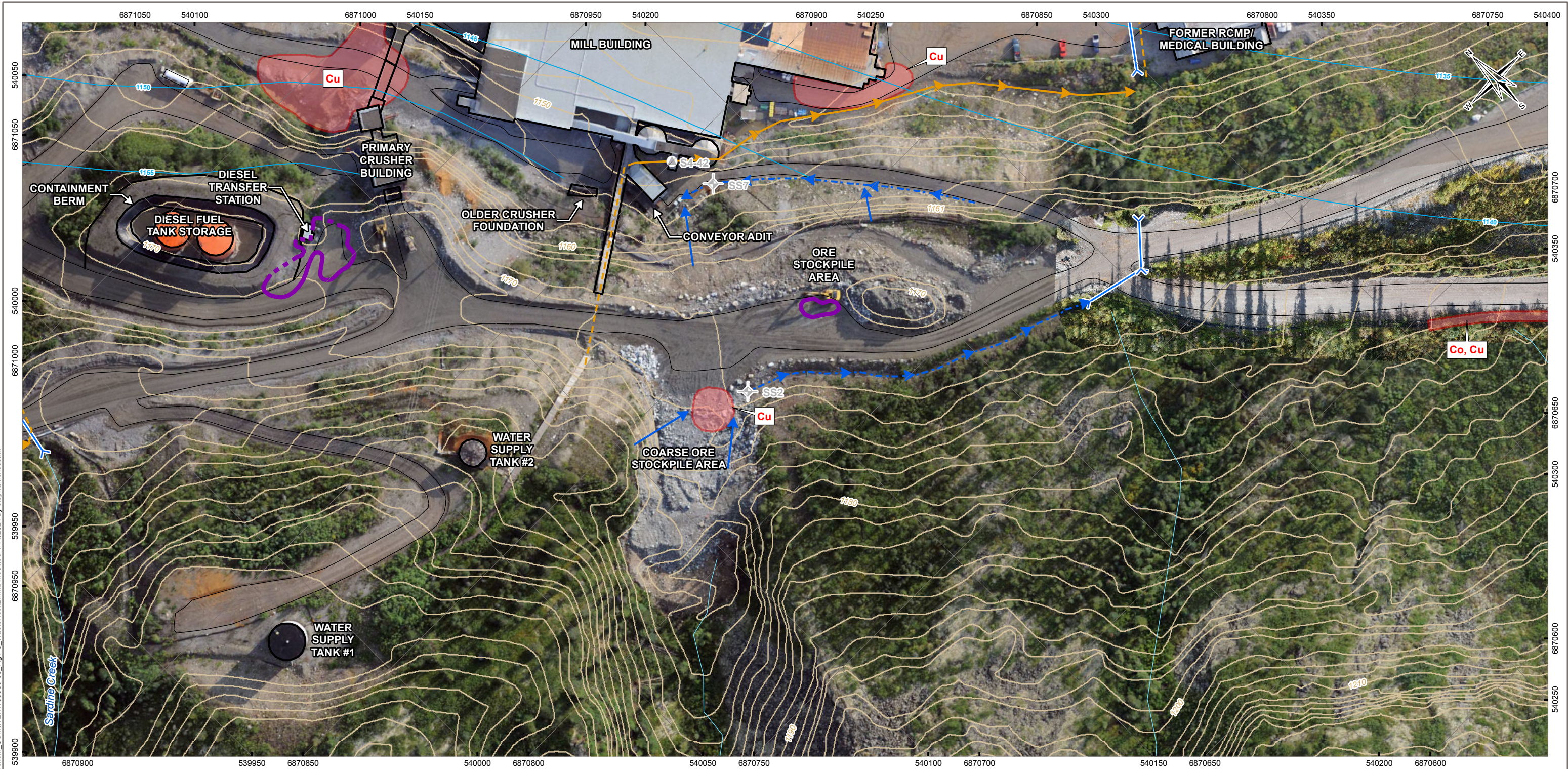
STATUS
ISSUED FOR USE

CANTUNG MINE
CONCEPTUAL SITE MODEL

Waste Rock Stockpile #1

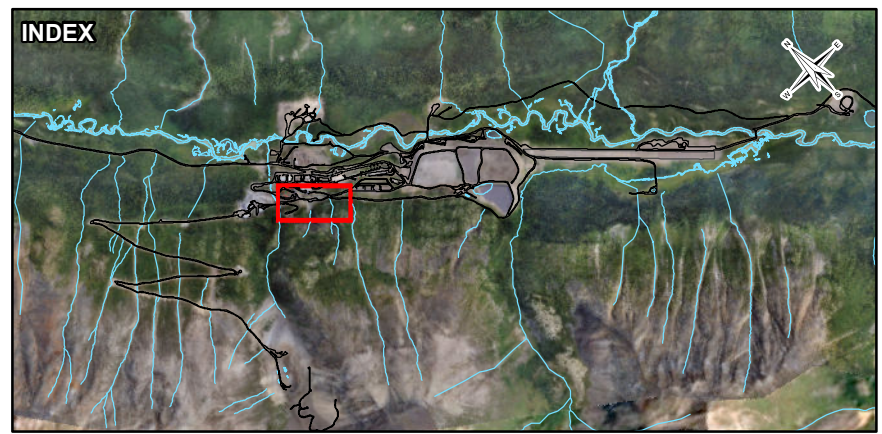
PROJECTION UTM Zone 9		DATUM NAD83		CLIENT  NORTH AMERICAN TUNGSTEN CORPORATION LTD	
Scale: 1:1,200  Metres				 TETRA TECH	
FILE NO. WENW03039-03_Fig7-4_WasteRock1.mxd					
OFFICE Tl-VANC	DWN SL	CKD YL	APVD SS	REV 0	Figure 7-4
DATE May 2021	PROJECT NO. ENW.WENW03039-03				

Q:\Vancouver\GIS\ENVIRONMENTAL\WEN\WENW03039-03\Maps\Geochem_CSM\WENW03039-03_Fig7-5_WasteRock2.mxd modified 4/14/2021 by stephanie.leusink



LEGEND

- | | | |
|---|---|---------------|
| 2014/2015 Seep Survey Sample (approximate) | Estimated Area with Soil Metals Exceeding SSRC | Building |
| Historical Surface Water Sample | Estimated PHC Affected Area (Management Limits) | Road |
| Mine Discharge Drainage Path (above-ground) | Inferred PHC Extent (requires further assessment) (Management Limits) | Watercourse |
| Mine Discharge Drainage Path (below-ground) | Groundwater Contour (5 m asl; Fall 2017) | Contour (2 m) |
| Surface Run-off Drainage Path | | |
| Ditch | | |
| Culvert | | |

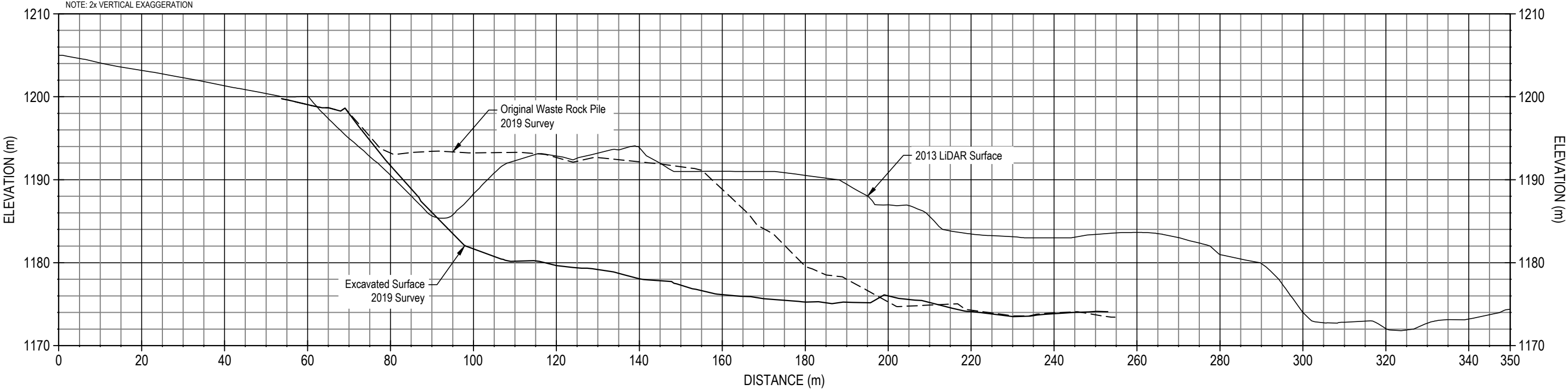


NOTES
All locations and area boundaries are approximate.
Base data source:
Data provided by INAC (2013).
Drone imagery at the borrow pit, tailings ponds, and interceptor ditch collected in 2018.

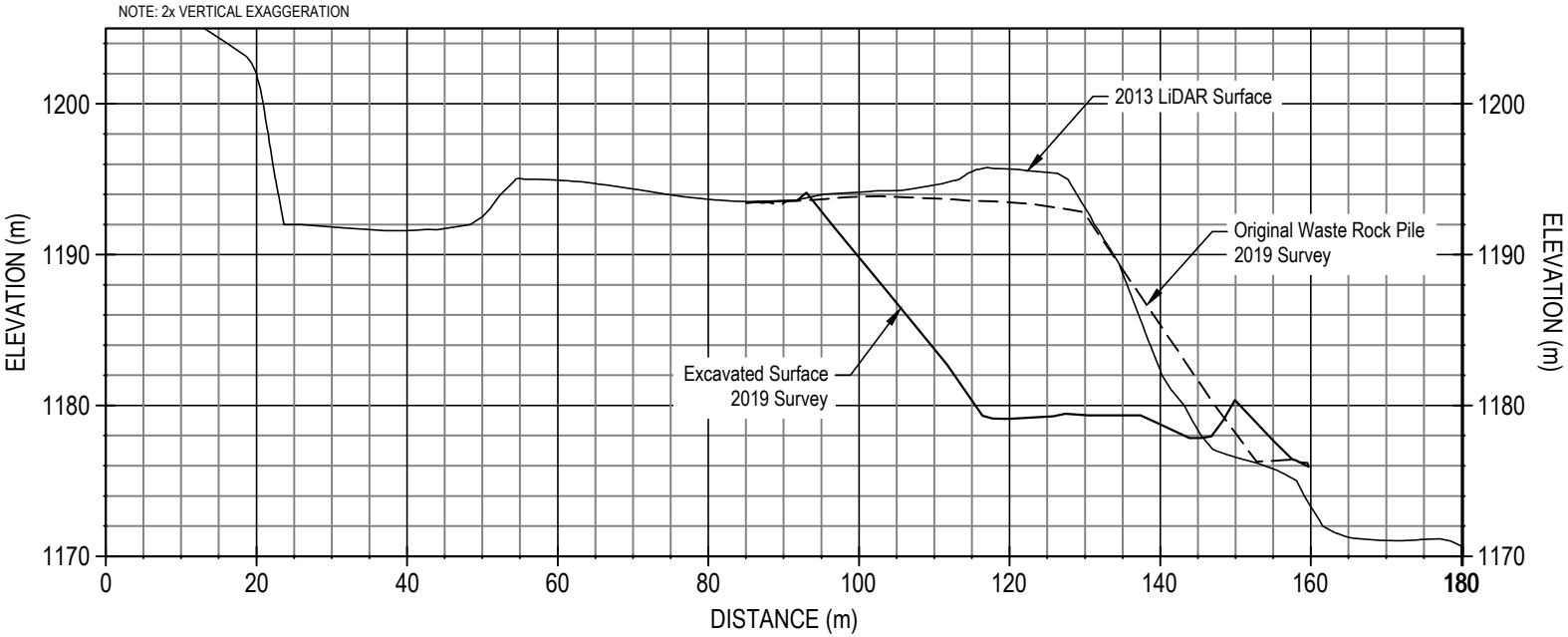
STATUS
ISSUED FOR USE

CANTUNG MINE CONCEPTUAL SITE MODEL				
Waste Rock Stockpile #2				
PROJECTION UTM Zone 9		DATUM NAD83		CLIENT
Scale: 1:1,200 				
FILE NO. WENW03039-03_Fig7-5_WasteRock2.mxd				
OFFICE Tl-VANC	DWN SL	CKD YL	APVD SS	TETRA TECH
DATE May 2021	PROJECT NO. ENW.WENW03039-03			
Figure 7-5				

C:\Users\gary.koop\Desktop\Cantung\Cantung\CAD2.0 Working Drawings\Waste Rock Piles\Waste Rock Pile 1 and Ore Stockpile 3.dwg [FIGURE 7-7] September 08, 2020 - 10:04:04 am (BY: KOOP, GARY)



SECTION A



SECTION B

- NOTES:
- Horizontal Datum/Projections : UTM Zone 9N, NAD83 (CSRS) (2010) - Meters
 - Contour Interval 2 m

STATUS
ISSUED FOR USE

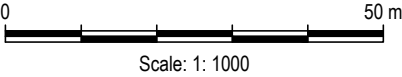


CONCEPTUAL SITE MODEL
CANTUNG MINE, NT

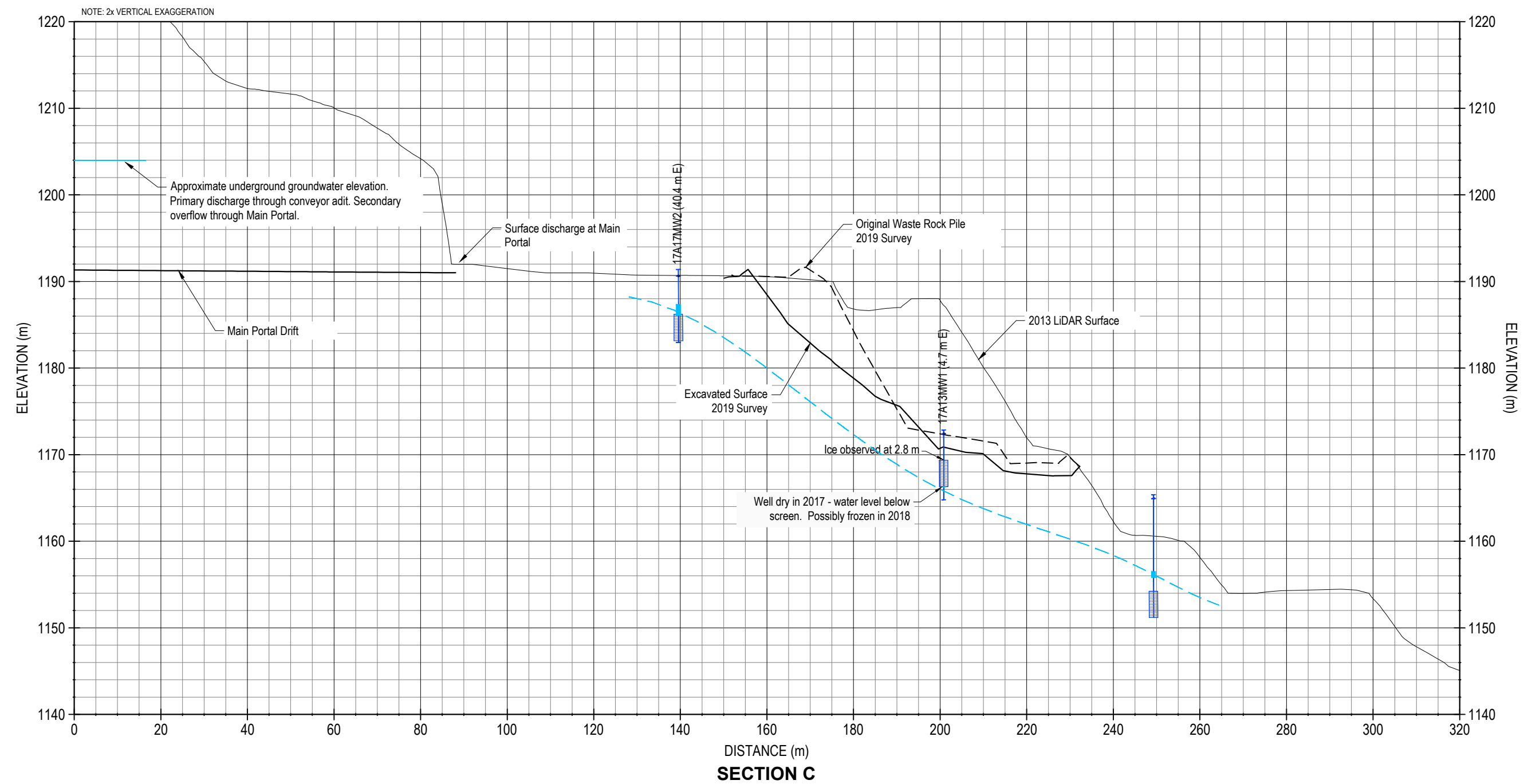
Main Waste Rock Pile (WR1)
Section A and B

PROJECT NO. ENW.WENW03039-05	DWN GDK	CKD SK	REV C
OFFICE EDM	DATE May 2021		

Figure 7-7



C:\Users\gary.koop\Desktop\Cantung\Cantung\Waste Rock Piles\Waste Rock Pile 1 and Ore Stockpile 3.dwg [FIGURE 7-8] September 08, 2020 - 10:09:08 am (BY: KOOP, GARY)



LEGEND:

- WELL SCREEN
- MEASURED WATER LEVELS
- INTERPRETED GROUNDWATER

0 50 m

Scale: 1: 1000

NOTES:

- Horizontal Datum/Projections : UTM Zone 9N, NAD83 (CSRS) (2010) - Meters
- Contour Interval 2 m

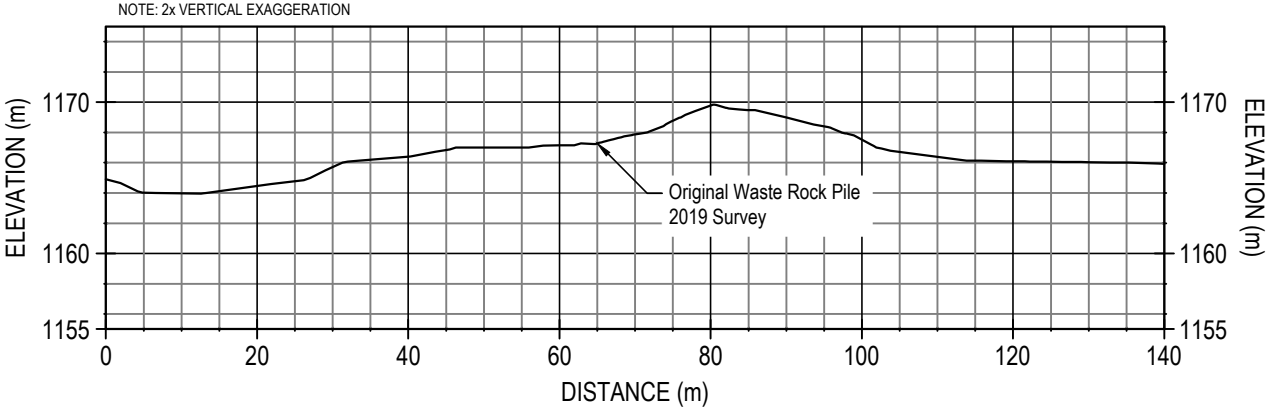
STATUS

ISSUED FOR USE

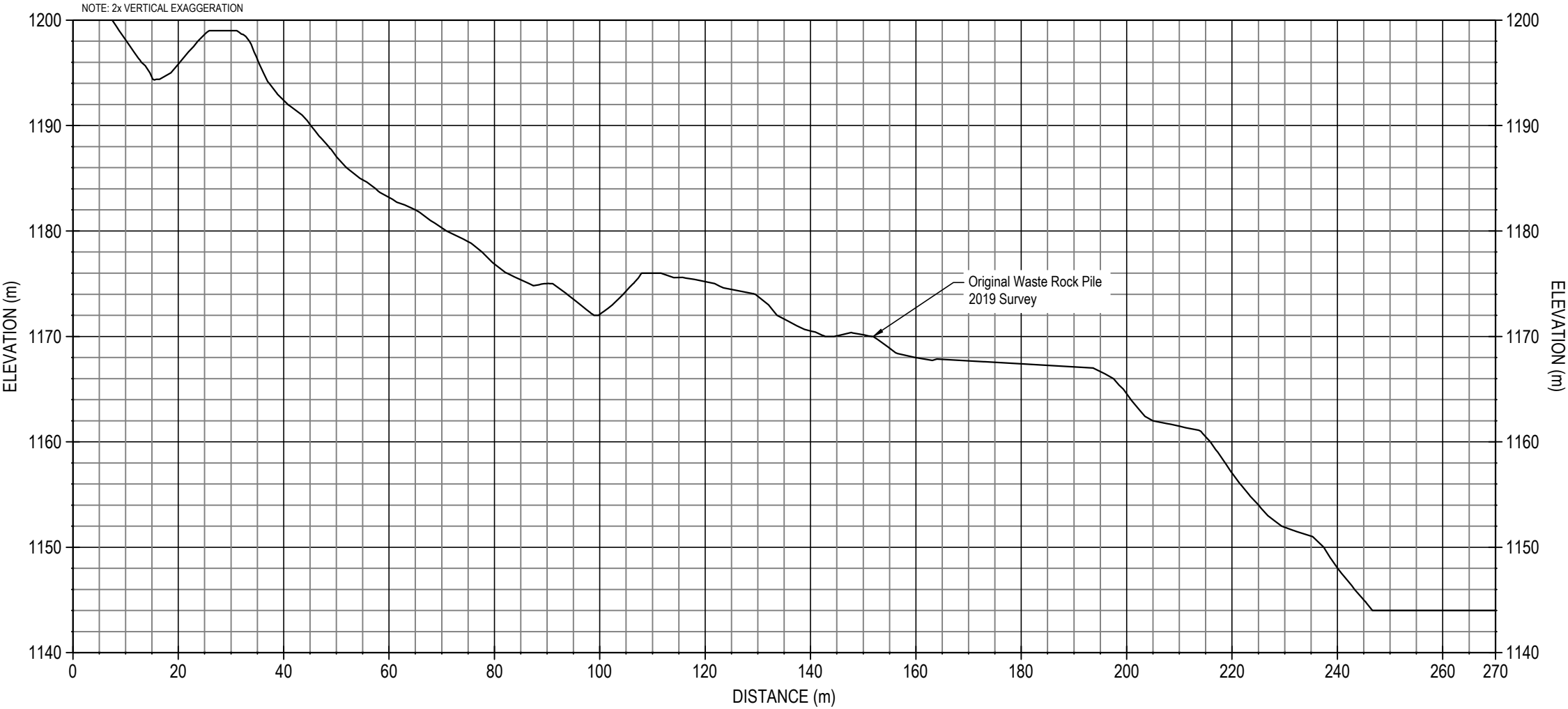
CLIENT		CONCEPTUAL SITE MODEL CANTUNG MINE, NT			
		Main Waste Rock Pile (WR1) Section C			
PROJECT NO. ENW.WENW03039-05	DWN GDK	CKD SK	REV C	Figure 7-8	
OFFICE EDM	DATE May 2021				

TETRA TECH

C:\Users\gary.koop\Desktop\Cantung\Cantung\CAD2.0 Working Drawings\Waste Rock Piles\Waste Rock Pile 1 and Ore Stockpile 3.dwg [FIGURE 7-9] September 08, 2020 - 10:12:32 am (BY: KOOP, GARY)



SECTION D



SECTION E

- NOTES:
- Horizontal Datum/Projections : UTM Zone 9N, NAD83 (CSRS) (2010) - Meters
 - Contour Interval 2 m

STATUS
ISSUED FOR USE

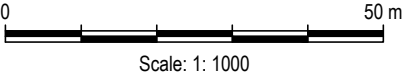


CONCEPTUAL SITE MODEL
CANTUNG MINE, NT

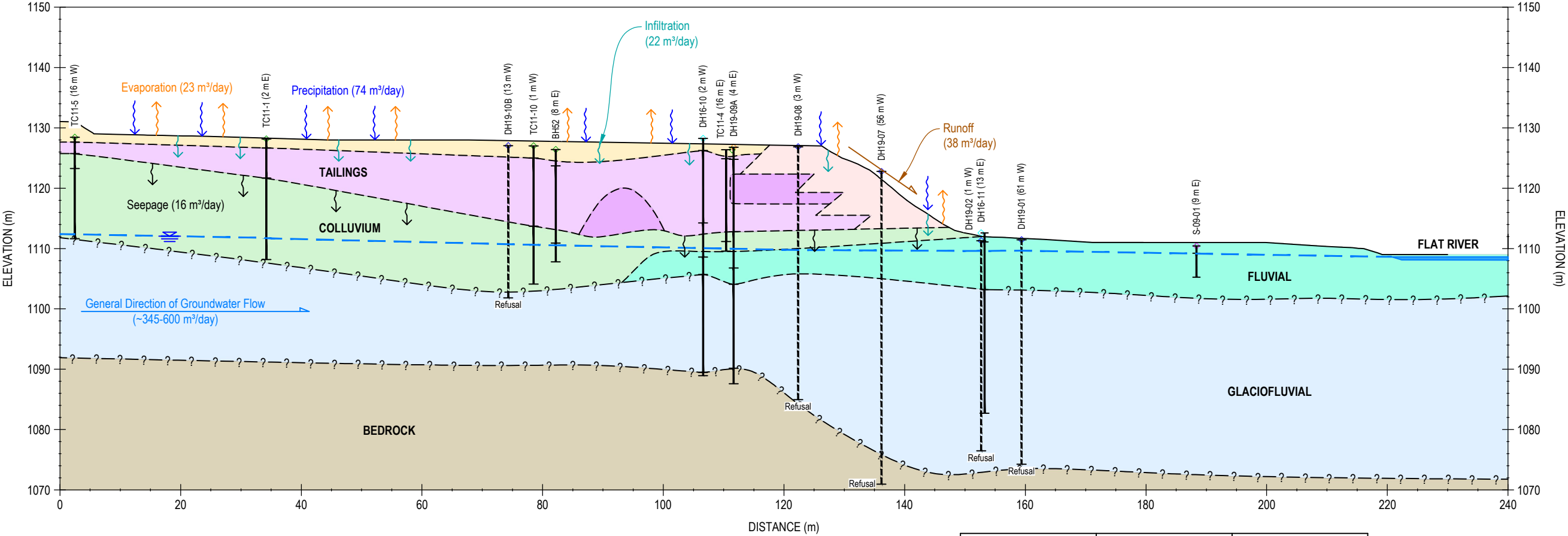
Low Grade Ore Stockpile (WR2)
Section D and E

PROJECT NO. ENW.WENW03039-05	DWN GDK	CKD SK	REV C
OFFICE EDM	DATE May 2021		

Figure 7-9



Q:\Edmonton\Engineering\141\Projects_CANTUNG\6.0 CAD\Drawings\CSM\2020 CSM Update\CSM_7-10_7-11.dwg [FIGURE 7-10] March 04, 2021 - 9:56:26 am (BY: LEE, ELVIN)



- NOTES:
- O₂ DIFFUSION NOT LIMITED BY COVER
 - NOTES OF STAINING MOST PREVALENT AT INTERFACE OF SAND AND SILT
 - SECTION A-A' (TETRA TECH. 2020b)

	TP1	TP2
Number of Tests	11.0	19.0
Minimum (%)	5.0	5.4
Maximum (%)	35.1	35.0
Median (%)	22.5	26.0
Mean (%)	21.7	22.9

- LEGEND:
- — — — — INFERRED WATER TABLE (Phase III ESA)
 - ? — ? — ? — INFERRED CONTACT
 - - - - - INTERPRETED CONTACT

- COVER
- COARSE TAILINGS (SANDS, GRAVELS)
- FINE TAILINGS (SILTS, FINE SANDS)
- COLLUVIUM

- FLUVIAL
- GLACIOFLUVIAL
- BEDROCK
- EMBANKMENT

ISSUED FOR USE

CLIENT



CONCEPTUAL SITE MODEL
CANTUNG MINE, NT

REPRESENTATIVE SECTION OF
TP1 AND TP2 WATER BALANCE

PROJECT NO. ENW.WENW03039-04	DWN EL	CKD GDK	REV 0
OFFICE EDMONTON	DATE May 2021		

Figure 7-10