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Sudbury Integrated Nickel Operations
A Glencore Company
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Report on the Glencore Canada Corp.

Drury Project

2019 Exploration Program

Sudbury, Ontario

Sudbury Mining Division, Ontario

WGS84 - Latitude: 46º 27’ 39.71” Longitude: -81º 28’ 56.58”.

Sabrina Sterner, P. Geo.
Sudbury Integrated Nickel Operations
A Glencore Company

August 13, 2020

SUMMARY

The Drury Project is located approximately 36 kilometres west of the City of Greater Sudbury and southwest of the town of Levack. The Property is accessed by a network of drill trails off of the Fairbanks Lake Road which trends north from (paved) Highway 17 west.

The Drury Project consists of four 100% owned Glencore Canada Corp. patented claims (Table 1) including both mining and surface rights totaling 64.75 ha, located in Trill Township in the Sudbury Mining division. The middle of the Project area is at Latitude: 46º 27' 39.71" Longitude: -81º 28' 56.58" and used DGPS for drillholes.

The West Range of the Sudbury Basin is a structurally complex area with multiple footwall panels thrusted on top of each other with the potential to host a large economic ore body. Multiple ore zones have been discovered by Vale and Glencore in this area (e.g. Trillabelle, Trillabelle Depth, Sultana, and Big Smoke), however there is a significant portion of the footwall that has not been tested due to the structural complexity. The regional AMT geophysics was used to help generate and constrain targets that could host 20Mt of both contact and footwall mineralization.

A total of 156 holes were drilled in the area between 1993 – 2012.

Glencore Canada Corp. ("Glencore") owns the Drury Project ("the Property") which formerly consists of privately owned patents within Trill and Drury Township. Sudbury Integrated Nickel Operations ("Sudbury INO"), a Glencore Company, conducted a geophysical survey and a diamond drill program on a portion of the Property in 2019. Trail construction and maintenance for the drill program started in November 2018 and was completed by William Day Construction. Drilling started in February of 2019 until end of 2019 and contracted by Foraco Canada Ltd. Physical properties surveys occurred between June and November 2019 and were completed by DGI Geoscience. Lamontagne Geophysics Ltd. performed the 4 borehole surveys between April and November 2019.

The drill program consisted of 7,643 metres in four drill holes. Three holes were designed to test a Regional AMT geophysical anomaly modelled on the footwall contact located down dip of the Big Smoke deposit, testing depths ranging from -1350 to -1850 meters vertical. One hole was designed to test a conductive UTEM geophysical anomaly.

BHEM surveys were completed on all 4 holes. T-064 did not show any conductive anomalies. T-062, T-063 and T-065 identified weak off-hole responses.

Sudbury INO personnel implemented the drilling program and logging over the course of 9 months (Feb/19 to Nov/19). All material was picked up, sumps were buried and caps were placed on all drillhole collars. The trail and drill sites will be seeded in the fall of 2020.

The AMT anomaly that was tested correlated to alteration within felsic norite likely associated to regional faulting and no significant mineralization was intersected. No follow up is required at this time.

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1.0 Introduction

Glencore Canada Corp. ("Glencore") owns the Drury Project ("the Property") which formerly consists of privately owned patents within Trill and Drury Township. Sudbury Integrated Nickel Operations ("Sudbury INO"), a Glencore Company, conducted an exploration program in 2019, consisting of a diamond drill program on a portion of the Property and downhole BHEM surveys starting in April 2019 until November 2019. Road preparation for the drilling started in November of 2018. Foraco Canada Ltd was contracted to carry out 7,643 metres of drilling, and this was completed by Sudbury INO between February 22nd, 2019 and November 10th, 2019. The program consisted of 4 drill holes totaling 7,643 meters, which were completed on 4 patented claims. The prime objective of the drilling was to discover new mineralization within the Sudbury Igneous Complex (SIC) contact east of known mineralization. Physical Properties was completed on 3 holes and BHEM was completed on all 4 holes. This report documents the exploration program completed in late 2018 and 2019 on the Property.

2.0 Property Description, Location and Access

The Drury Project is located in southeast Trill Township, approximately 36 kilometres west of the City of Greater Sudbury, Ontario (Figure 1). The Property is easily accessed from Fairbanks Lake Road, which is accessed northwards from Highway 17 West (Figure 2). There was an existing network of drilling trails however drill trails needed to be constructed to access all 4 drill holes during the drill program.

The Drury Project where drilling and geophysics was conducted consists of four 100% owned Glencore Canada Corp. patented claims (Table 1) including both mining and surface rights totaling 64.75 ha, located in Trill Township in the Sudbury Mining division. No assessment work is required to keep the patents in good standing, but any work filed for assessment will be credited towards contiguous claim cells. Figure 2 outlines the Property claims, and Table 1 documents the patents upon which exploration was performed.

The center of the Property is at WGS84 - Latitude: 46º 27' 39.71" Longitude: -81º 28' 56.58".

Table 1: Drury Patents on Which Work was Performed

Patent	Parcel No.	Pin No.	Hectares	Drill hole
PAT-42361	9167 SWS	73365-0153	16.187	T-065
PAT-42366	9170 SWS	73365-0156	16.187	T-063
PAT-42369	9171 SWS	73365-0157	16.187	T-064
PAT-42368	9172 SWS	73365-0158	16.187	T-062

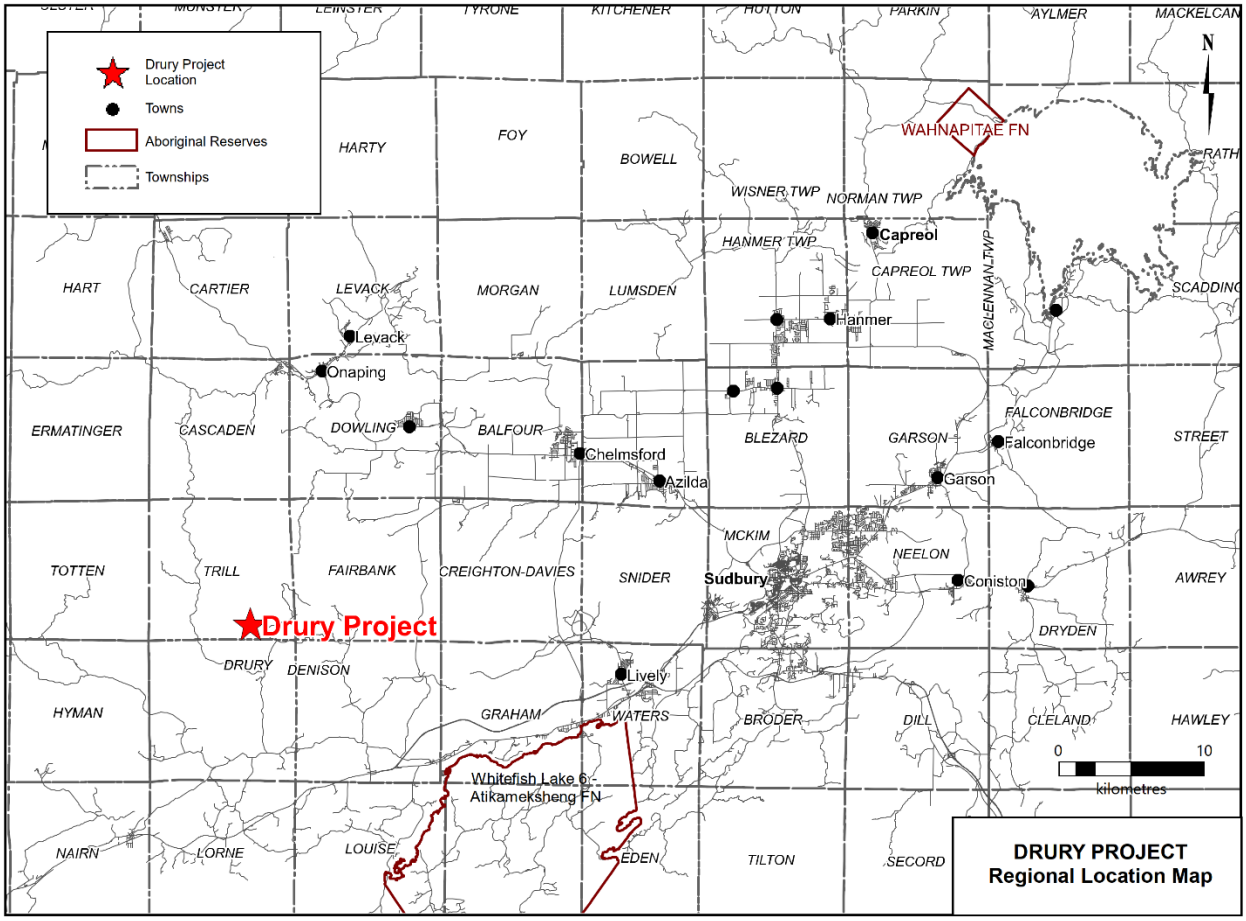

Figure 1: Regional Location Plan of the Drury Project

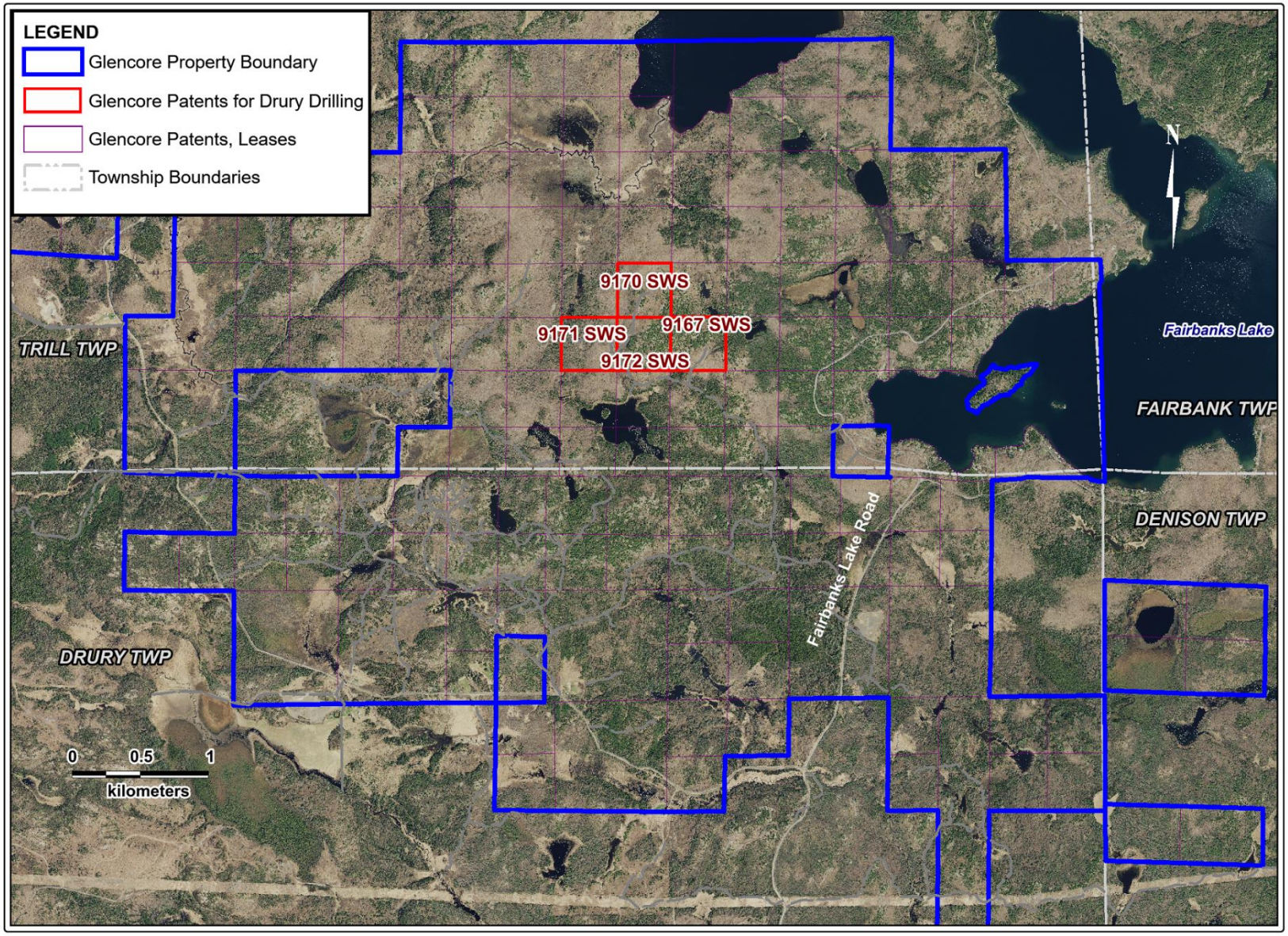

Figure 2: Drury Project Property and Tenure Plan

3.0 Geological Setting

The magmatic Ni-Cu-PGE deposits hosted by the Sudbury structure constitute one of the largest Ni-Cu districts in the world. The three main components of the elliptical-shaped Sudbury structure are: the Sudbury Igneous Complex (SIC), the Whitewater Group of the Sudbury basin, and Sudbury breccia. The SIC is interpreted to have formed by a 1.85 Ga meteorite impact, which resulted in fracturing of the crust and generating a melt sheet that filled the basin. The SIC is directly bounded by two major geological provinces. The Archean Superior Province is located to the North and the Proterozoic Southern Province is located to the South. The Sudbury basin is situated Northeast of the Grenville Province.

The Drury parcels are located in the southwest portion of the Sudbury Igneous Complex (SIC) which is also referred to as the West Range (Figure 3). The geology consists of typical SIC stratigraphy such as Granophyre (GRPH), Transition Zone (TRZN), Felsic Norite (FNOR), Mafic Norite (MNOR), Sublayer Norite (SLN) and minor Late Granite Breccia (LGBX). Multiple ore zones have been discovered by Vale and Glencore in this area (e.g. Trillabelle, Trillabelle Depth, Sultana, and Big Smoke). The Trillabelle and Sultana Embayments are situated in two major thickenings of Sublayer exposed at surface. The sequence is strongly disrupted by northwest verging thrust faults and also cut by later steeply dipping east-west shears. Due to the structural complexity, a significant portion of the footwall has not been tested prior to the current drill program.

The study area is situated roughly 2 kilometers east down-dip of known mineralization with very limited drillhole data. The lithology can be divided into four main units: Granophyre, Transition Zone, Felsic Norite and Onaping Formation. There is also minor Late Granite Breccia at the SIC contact. The area is disrupted by the northeast striking Cameron Creek Fault and the newly discovered Sultana Splay Fault. Both faults dip to the South. The footwall in this area is crosscut by the Sultana Splay fault and the stratigraphy starts back in the Onaping Formation (Figure 4).

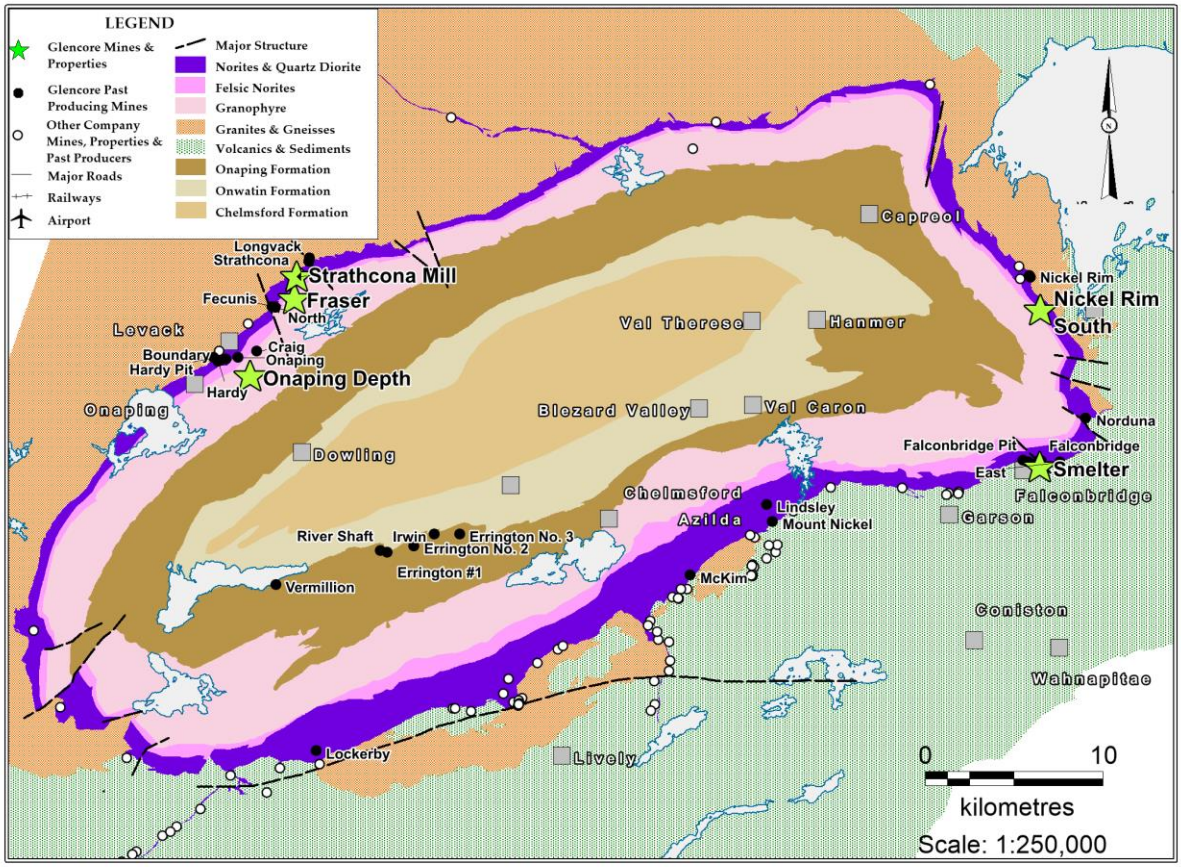

Figure 3: Regional Geology of the Sudbury Area

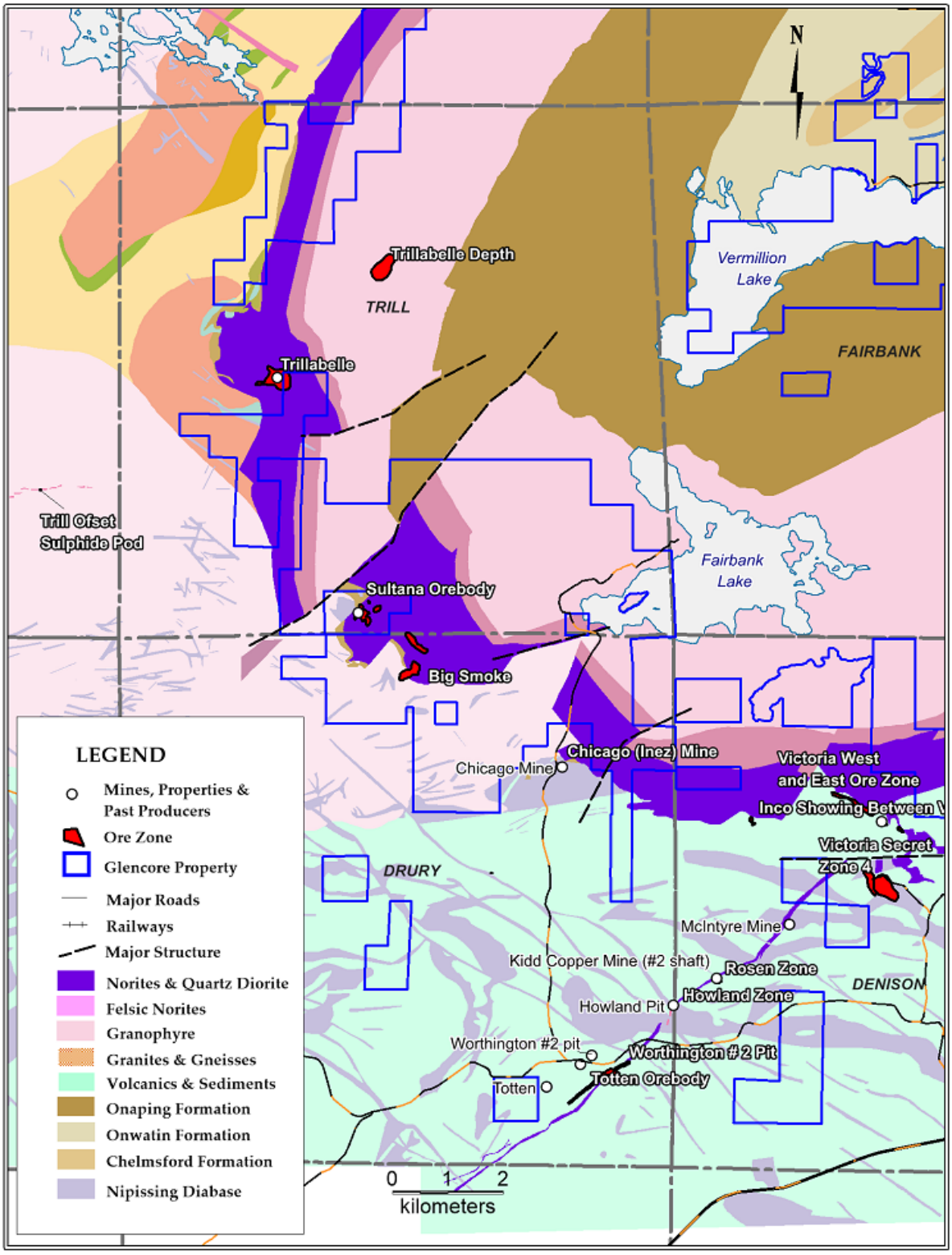

Figure 4: Geology and Occurrences of Drury and Trill Township

3.1 Mineralization

The 2019 Drury exploration program was designed to test a Regional AMT geophysical anomaly modelled on the footwall contact located down-dip of the Big Smoke deposit in the West Range of the Sudbury Basin. The AMT anomaly being tested shows a large contrast in resistivity, which can be correlated to either mineralization, regional faulting or a change in lithology. The location of the anomaly was favorable to host both contact and footwall styles of mineralization however based on the drilling results was most likely related to alteration within the felsic norite as no significant sulphides were intersected.

4.0 Previous Exploration

The exploration history of the Drury Project is presented in Table 2.

Table 2: Exploration History of the Drury Project

Period	Summary of Work Done
1916	7 Longyear drill holes totalling 242 metres in Trill Twp.
1935-1969	Geological mapping at scales of 1"=200', 1"=400' on various properties. Airborne and ground mag and VLF surveys on various properties, 1"=200', 1"=400'.
1930's	9 drill holes totalling 902.2 metres in Trill Twp.
1950's	12 drill holes totalling 2,890.4 metres in Trill Twp.
1960's	17 drill holes totalling 9,276.2 metres in Trill Twp.
1955-1974	Diamond drilling, Drury Twp., 16 holes totalling 9,763m.
1987	Aerodat airborne VLF-EM and magnetometer survey (all properties).
1992	Inco Exchange (378 Drill Holes)
1993	Diamond drilling, Trillabelle area, 4 holes totalling 2,573m. Geological mapping (1:2500) Lot 9, 10, 11, Con 3, Trill Twp. Summary report, Preliminary mineral inventory
1994	Trill-Drury PN 6-227Report on the 1994 Exploration Program. Surface UTEM geophysical survey, 92 line kilometres. Diamond drilling in Sultana and Chicago areas, 9 holes totalling 5,605 metres.
1995	Report On The 1995-1996 Exploration Program, Trill - Drury Project. Surface mapping over the cut grid covering the Planor Zone and Sultana South areas. Surface stripping over the Planor, Planor South and Boundary Zones. Diamond drilling in Sultana South and Planor Zones areas, 13 holes totalling 11,090 metres with subsequent borehole EM surveys (continuation from 1004).
1996	Diamond drilling in Sultana South area, 9 holes totalling 10,394 metres with subsequent borehole EM surveys.
1997	Diamond drilling in Sultana South area, 4 holes totalling 4,877 metres with subsequent borehole EM surveys. Acquisition negotiations were begun with several landowners in the area, including; Fielding; E. B. Eddy and Klem. Ten claim units were staked.
1998	50/50 Claims, PN 297 and Drury - Inco Joint Venture, PN 298 Sudbury Basin. Total of 24 AMT sites surveyed, 50 km of line-cutting (work completed in 1999). Acquisition negotiations were completed with several landowners in the area, including; Fielding. E.B. Eddy and Klem.
2004	2004 Program of Exploration – Trill and Drury Townships.
2007	Drilled 12 holes to test a wide range of geological environments varying from the shallow near-surface contact at Sultana South and DR-114 to the deep unexplored contact of the T-035 and DR-130 areas.
2009	Drilled 18 holes totalling 14,494m.
2010	Drilled 34 holes totalling 20,122m.
2011	Drilled 31 holes totalling 20,026m.
2012	Drilled 22 holes totalling 24,538m.

5.0 Exploration Program

5.1 Geophysics

The 4 borehole UTEM surveys were conducted by Lamontagne Geophysics Ltd. between the months of April of 2019 and November of 2019. The following holes were surveyed: T-062, T-063, T-064, T-065.

5.2 Diamond Drill Program

Initial trail building for the drill trails, and continued maintenance of the trails was provided by William Day Construction between November 2018 and December 2019.

The diamond drilling was contracted to Foraco Canada of North Bay, who completed the program of four drill holes totaling 7,643 meters of NQ core between February 2019 and November 2019.

Downhole directional surveying of the drillholes was provided by Gyro Data Services Canada, from May until November of 2019.

Physical properties of the drill holes was obtained using the services of DGI Geoscience Inc., only 3 of the 4 holes had the physical properties logged.

The drill core was logged by Sudbury INO personnel – consisting of Sabrina Sterner and Andre Taillefer. Drill program assistance was provided by Sudbury INO technical staff:

- Guido Serafini, Project Management
- Sabrina Sterner, Project Management
- Andre Taillefer, Core logging
- Daniel Lacasse, Field visits
- Chris Goulet, Diamond Drill safety
- Warren Hughes, Geophysical interpretations

6.0 Results

BHEM surveys were completed on all 4 holes. T-064 did not show any conductive anomalies. Two of the holes (T-062 and T-063) identified the same low conductive off-hole response at approximately 150 S/m and roughly 600m x 600m in size. The UTEM anomaly was tested with the fourth hole (T-065) and didn't intersect any mineralization. The BHEM survey completed on T-065 identified a weak anomaly to the North and does not require additional follow-up at this time as it is located in an area that is not favorable to host economic mineralization.

The drill program consisted of four drill holes targeted on the SIC contact and footwall. The 4 drill holes tested depths ranging from -1350 to approximately -1800 meters vertical (Figure 5). Table 3 outlines the drill hole statistics. No significant mineralization was intersected in the 4 holes. The physical property logging of the holes confirmed the large resistivity contrast correlated directly with the altered Felsic Norite, likely as a result from the regional faulting. Further interpretation of the physical properties data is ongoing and will help constrain the modelling of these types of Basin wide anomalies used for target generation.

Table 3: Drury Project 2018-2019 Drill Hole Statistics

Hole No	Start Date	End Date	Azimuth	Dip	Easting_UTM	Northing UTM	Elevation	Depth
T-062	2019-02-22	2019-05-14	108.7	-87.89	462960.8	5145417.14	332.45	1886.11
T-064	2019-05-21	2019-07-17	104.25	-89.54	462585.06	5145336.41	301.48	1911.01
T-065	2019-08-29	2019-11-10	260.17	-86.38	463520.37	5145294.39	348.71	2025.01
T-063	2019-06-10	2019-08-15	47.12	-89.62	463146.84	5145767.7	344.45	1821.01

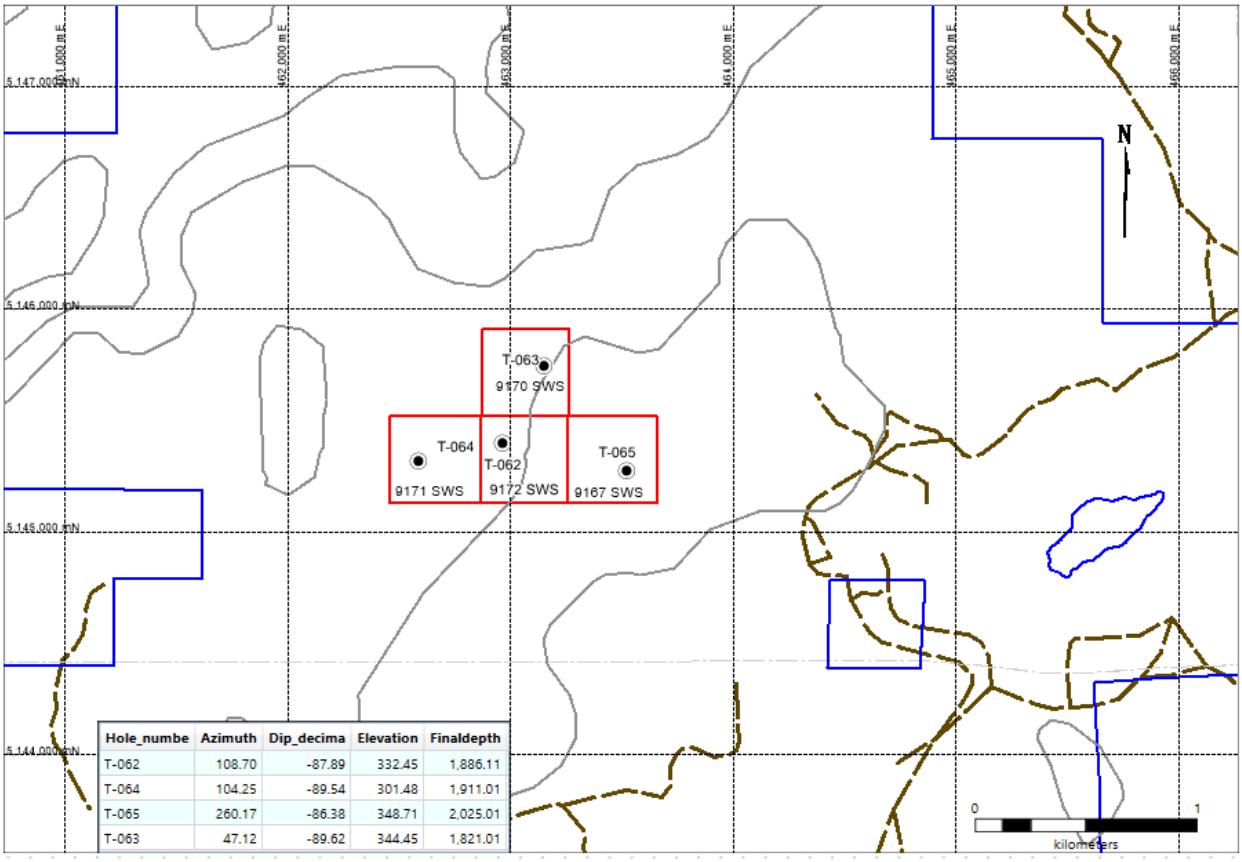

Figure 5: Drury Project 2018-2019 Drill Plan

Drill logs, cross sections, and the rock code legend are presented in Appendices I to III. The directional surveys of the drill holes are documented in the drill logs. Table 3 lists the drill holes, their locations, lengths, azimuths, and dips. The location of the drill holes is shown in Figure 5. The physical properties logs of holes T-062, T-063, and T-064 are given in Appendix IV.

7.0 Conclusions and Recommendations

The drilling program tested 4 targets in the regional AMT anomaly located in the SE part of Trill township. The regional AMT anomaly correlated to alteration within the felsic norite and no significant mineralization was intersected. The holes intersected the regional Sultana splay fault and the stratigraphy continues back in the Onaping Formation. Based on the drilling results, no further drilling is recommended in the area at this time. Further interpretation of the physical properties data is ongoing and will help constrain the modelling of these types of Basin wide anomalies used for target generation.

8.0 References

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Statement of Qualifications

I, Sabrina Sterner of 6 Edison Road, Falconbridge, Ontario P0M 1S0 do hereby certify that:

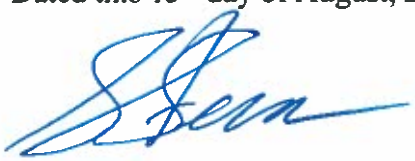
1) I am a practising member of the Association of Professional Geoscientists of Ontario (since 2018).

2) I am a graduate of Laurentian University and hold an Honours Bachelor of Science (Geology) Degree, 2015.

3) I am a Canadian Citizen.

4) I have been employed as a senior field geologist by Glencore Canada Corp.

Dated this 13th day of August, 2020.



Sabrina Sterner, P.Geo.

APPENDIX I

Legends

Glencore Rock Code Legend

CODE	DESCRIPTION
APL	APLITE DIKE
CAS	CASING
DIA	DIABASE
DNBX	DARK NORITE BRECCIA
DNOR	DARK NORITE
EOH	END OF HOLE
FGN	FELSIC GNEISS
FLT	FAULT
FNOR	FELSIC NORITE
GR	GRANITE
GRPH	GRANOPHYRE
LGBX	LATE GRANITE BRECCIA
IGN	INTERMEDIATE GNEISS
MGN	MAFIC GNEISS
MNOR	MAFIC NORITE
ONAP	ONAPING FORMATION
PHYF	PYROXENE HORNFELS
SDBX	SUDBURY BRECCIA
SHR	SHEAR
SLN	SUBLAYER NORITE
SULP	SULPHIDE
TRZN	TRANSITION ZONE

Glencore Canada Drill Log Abbreviations/Definitions		
Abbreviation	Word/Phrase	Alternates
alt'n	alteration	altn
amph	amphibole	
assoc	associated	
b/t	between	
bio	biotite	
bkn	broken	
bx	breccia	
bx'n	brecciation	
ca	core axis	
carb	carbonate	
chl	chlorite	
comp	composition	
cpx	clinopyroxene	cx
Cpy	chalcopyrite	Cp
CT	contact	
desc	describe(d)	
diss	disseminated	dis
DTCA	degrees to core axis	DCA, tca
EP	epidote	
FF	fracture filling	ff
flt	fault	
FR	fracture	fr
frags	fragments	
FSP	feldspar	
GN	gneissic	
hem	hematite	
incip	incipient	
K	potassic	k
leuco	leucocratic	
loc'n	location	
M:F	mafic to felsic	
mins	minerals	
minz'd	mineralized	
minz'n	mineralization	
mod	moderate(ly)	
mov't	movement	
NDIA	"new" diabase	
NVS	no visible sulphides	
OD	olivine dyke	
ODIA	"old" diabase	
OGAB	"old" gabbro	
phenos	phenocrysts	

Glencore Canada Drill Log Abbreviations/Definitions		
Abbreviation	Word/Phrase	Alternates
Pn	pentlandite	
Po	pyrrhotite	
prev	previous(ly)	
Py	pyrite	
remob	remobilizing, remobilization	
rextall'd	recrystallized	rextallz'd
rextall'n	recrystallization	rextallz'n
rx'n	reaction	
SGN	sedimentary gneiss	
SS	slickenside	
T.T.	true thickness	
tr	trace	
w	with	
xtls	crystals	xtals
vfg	very fine grained	
fg	fine grained	
mg	medium grained	
cg	coarse grained	
vcg	very coarse grained	

APPENDIX II

Drill Logs

SUDBURY INTEGRATED NICKEL OPERATIONS
A GLENCORE COMPANY

DETAILED LOG

Hole Number: **T-062**

Units: METRIC

Project Name:	FL SURFACE	Primary Coordinates	Grid: UTM:			Destination Coordinates	Grid: UTM:	Collar Dip:	-87.89
Project Number:	6227	North:	5145417.14			North:	5145417.14	Collar Az:	108.70
Location:	Surface	East:	462960.81			East:	462960.81	Length:	1,886.11
		Elev:	332.45			Elev:	332.45	Start Depth:	0.00
Date Started:	Feb 22, 2019	Collar Survey:	Y	Plugged:	N	Contractor:	FORACO CANADA LTD.	Final Depth:	1,886.11
Date Completed:	May 14, 2019	Multishot Survey:	Y	Hole Size:	NQ	Core Storage:	NIR		
Logged By:	Andre Taillefer, Logan Foucault	Pulse EM Survey:	Y	Casing:	Left in Hole, capped				

Comments: Hole is targeting the regional 3-D AMT anomaly modelled on the Big Smoke Footwall panel
The hole was reduced to BQ size at 1,518m after intersecting a bad gouge fault
Object in hole - Section of NQ rods stuck around 1,518m.

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	108.70	-87.89	G	OK	Start of T-062 gyro	**10.00**	112.35	-87.94	G	OK	
15.00	118.30	-88.20	EZ		Mag 55893	**20.00**	109.71	-87.97	G	OK	
30.00	108.76	-87.98	G	OK		**40.00**	105.40	-88.01	G	OK	
50.00	105.26	-88.07	G	OK		**60.00**	100.47	-88.10	G	OK	
69.00	102.80	-88.30	EZ		Mag 55242	**70.00**	99.96	-88.07	G	OK	
80.00	98.30	-88.26	G	OK		**90.00**	96.82	-88.32	G	OK	
100.00	91.98	-88.25	G	OK		**110.00**	84.38	-88.33	G	OK	
120.00	80.80	-88.40	EZ		Mag 55210	**120.00**	79.92	-88.21	G	OK	
130.00	72.18	-88.26	G	OK		**140.00**	68.06	-88.21	G	OK	
150.00	62.41	-88.03	G	OK		**160.00**	58.21	-87.96	G	OK	
170.00	57.53	-88.06	G	OK		**171.00**	58.80	-88.30	EZ		Mag 55144
180.00	56.36	-87.98	G	OK		**190.00**	55.24	-87.88	G	OK	
200.00	54.88	-87.78	G	OK		**210.00**	54.68	-87.71	G	OK	
220.00	54.73	-87.72	G	OK		**230.00**	54.61	-87.72	G	OK	
240.00	54.22	-87.70	G	OK		**250.00**	54.21	-87.71	G	OK	
260.00	54.20	-87.72	G	OK		**270.00**	53.38	-87.70	G	OK	
280.00	53.46	-87.74	G	OK		**290.00**	53.19	-87.59	G	OK	
300.00	51.31	-87.69	G	OK		**310.00**	50.88	-87.72	G	OK	
320.00	50.80	-87.80	G	OK		**330.00**	49.62	-87.69	G	OK	
340.00	48.54	-87.81	G	OK		**350.00**	47.50	-87.73	G	OK	
360.00	48.16	-87.87	G	OK		**370.00**	48.23	-87.81	G	OK	
380.00	47.97	-87.84	G	OK		**390.00**	47.64	-87.88	G	OK	
400.00	48.28	-87.92	G	OK		**410.00**	46.80	-87.88	G	OK	
420.00	47.31	-87.95	G	OK		**429.00**	50.90	-88.20	EZ		Mag 55088

Hole Number: **T-062** Units: METRIC

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
430.00	47.98	-87.98	G	OK		**440.00**	48.03	-88.01	G	OK	
450.00	48.78	-88.02	G	OK		**460.00**	48.72	-87.99	G	OK	
470.00	47.90	-87.95	G	OK		**480.00**	45.73	-87.90	G	OK	
488.00	49.40	-88.10	EZ		Mag 55230	**490.00**	43.16	-87.85	G	OK	
500.00	40.58	-87.92	G	OK		**510.00**	42.55	-88.03	G	OK	
520.00	43.56	-87.96	G	OK		**530.00**	41.39	-87.89	G	OK	
531.00	44.20	-88.00	EZ		Mag 55017	**540.00**	39.29	-87.92	G	OK	
550.00	35.18	-87.61	G	OK		**560.00**	32.21	-87.47	G	OK	
570.00	30.89	-87.44	G	OK		**580.00**	32.05	-87.52	G	OK	
582.00	32.60	-88.40	EZ		Mag 54775	**590.00**	32.60	-87.40	G	OK	
600.00	31.53	-87.35	G	OK		**610.00**	32.31	-87.36	G	OK	
620.00	31.21	-87.34	G	OK		**630.00**	31.29	-87.33	G	OK	
633.00	23.30	-87.40	EZ		Mag 54679	**640.00**	30.30	-87.33	G	OK	
650.00	28.91	-87.38	G	OK		**660.00**	28.52	-87.29	G	OK	
670.00	27.46	-87.32	G	OK		**680.00**	27.50	-87.28	G	OK	
684.00	25.90	-87.50	EZ		Mag 55044	**690.00**	26.64	-87.25	G	OK	
700.00	27.93	-87.33	G	OK		**710.00**	28.37	-87.37	G	OK	
720.00	28.42	-87.25	G	OK		**730.00**	29.35	-87.22	G	OK	
735.00	31.30	-87.40	EZ		Mag 54454	**740.00**	28.98	-87.26	G	OK	
750.00	29.28	-87.21	G	OK		**760.00**	27.20	-87.16	G	OK	
770.00	28.24	-87.17	G	OK		**780.00**	28.79	-87.20	G	OK	
786.00	30.70	-87.50	EZ		Mag 54140	**790.00**	28.39	-87.26	G	OK	
800.00	29.00	-87.28	G	OK		**810.00**	28.06	-87.33	G	OK	
820.00	26.54	-87.36	G	OK		**830.00**	26.18	-87.34	G	OK	
837.00	27.60	-87.70	EZ		Mag 55458	**840.00**	24.54	-87.28	G	OK	
850.00	25.39	-87.23	G	OK		**860.00**	24.39	-87.30	G	OK	
870.00	25.56	-87.25	G	OK		**880.00**	26.42	-87.14	G	OK	
888.00	19.60	-87.40	EZ		Mag 55541	**890.00**	24.99	-87.23	G	OK	
900.00	23.19	-87.27	G	OK		**910.00**	24.17	-87.19	G	OK	
920.00	23.24	-87.19	G	OK		**930.00**	24.03	-87.12	G	OK	
939.00	28.90	-87.30	EZ		Mag 55503	**940.00**	24.14	-87.09	G	OK	
950.00	24.46	-87.25	G	OK		**960.00**	23.82	-87.21	G	OK	
970.00	25.21	-87.13	G	OK		**980.00**	26.01	-87.26	G	OK	
990.00	24.73	-87.22	G	OK		**990.00**	26.40	-87.30	EZ		Mag 55438

Hole Number: **T-062**

Units: METRIC

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
1000.00	26.36	-87.31	G	OK		**1010.00**	25.17	-87.22	G	OK	
1020.00	25.06	-87.29	G	OK		**1030.00**	25.60	-87.25	G	OK	
1040.00	25.25	-87.28	G	OK		**1044.00**	26.90	-87.30	EZ		Mag 55502
1050.00	25.57	-87.47	G	OK		**1060.00**	24.84	-87.30	G	OK	
1070.00	25.39	-87.45	G	OK		**1080.00**	25.90	-87.49	G	OK	
1090.00	24.96	-87.43	G	OK		**1095.00**	23.30	-87.40	EZ		Mag 55755
1100.00	26.13	-87.42	G	OK		**1110.00**	24.95	-87.55	G	OK	
1120.00	24.14	-87.37	G	OK		**1130.00**	23.76	-87.34	G	OK	
1140.00	23.12	-87.27	G	OK		**1146.00**	25.40	-87.60	EZ		Mag 55760
1150.00	21.15	-87.35	G	OK		**1160.00**	21.95	-87.46	G	OK	
1170.00	21.60	-87.33	G	OK		**1180.00**	22.21	-87.45	G	OK	
1190.00	22.26	-87.38	G	OK		**1197.00**	21.00	-87.70	EZ		Mag 55715
1200.00	22.03	-87.37	G	OK		**1210.00**	21.81	-87.50	G	OK	
1220.00	22.63	-87.47	G	OK		**1230.00**	22.13	-87.43	G	OK	
1240.00	22.64	-87.51	G	OK		**1248.00**	23.00	-87.50	EZ		Mag 55700
1250.00	19.91	-87.42	G	OK		**1260.00**	21.67	-87.56	G	OK	
1270.00	19.68	-87.51	G	OK		**1280.00**	19.53	-87.53	G	OK	
1290.00	18.77	-87.51	G	OK		**1299.00**	19.70	-87.60	EZ		Mag 55728
1300.00	18.26	-87.51	G	OK		**1310.00**	17.84	-87.40	G	OK	
1320.00	18.69	-87.45	G	OK		**1330.00**	19.68	-87.43	G	OK	
1340.00	19.52	-87.47	G	OK		**1350.00**	21.79	-87.43	G	OK	
1350.00	20.70	-87.60	EZ		Mag 55933	**1360.00**	21.33	-87.43	G	OK	
1370.00	20.98	-87.36	G	OK		**1380.00**	21.37	-87.47	G	OK	
1390.00	20.66	-87.45	G	OK		**1400.00**	21.29	-87.51	G	OK	
1404.00	20.50	-87.60	EZ		Mag 55870	**1410.00**	21.14	-87.56	G	OK	
1420.00	21.49	-87.61	G	OK		**1430.00**	22.59	-87.52	G	OK	
1440.00	22.91	-87.60	G	OK		**1450.00**	23.50	-87.57	G	OK	
1455.00	19.70	-87.70	EZ		Mag 55953	**1460.00**	23.84	-87.52	G	OK	
1470.00	24.47	-87.50	G	OK		**1480.00**	22.80	-87.42	G	OK	
1490.00	23.41	-87.25	G	OK		**1500.00**	17.63	-87.01	G	OK	
1510.00	18.04	-86.96	G	OK		**1520.00**	22.54	-87.21	G	OK	
1530.00	22.92	-87.22	G	OK		**1540.00**	22.14	-87.06	G	OK	
1550.00	22.85	-87.14	G	OK		**1560.00**	20.29	-87.08	G	OK	
1570.00	18.40	-87.01	G	OK		**1580.00**	18.58	-86.96	G	OK	

Hole Number: **T-062**

Units: METRIC

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
1590.00	18.00	-87.03	G	OK		**1600.00**	18.19	-86.87	G	OK	
1610.00	19.96	-86.94	G	OK		**1620.00**	20.90	-86.78	G	OK	
1630.00	21.42	-86.65	G	OK		**1640.00**	20.33	-86.58	G	OK	
1650.00	21.19	-86.44	G	OK		**1660.00**	20.98	-86.28	G	OK	
1670.00	21.10	-86.22	G	OK		**1680.00**	21.60	-86.10	G	OK	
1690.00	22.42	-86.08	G	OK		**1700.00**	23.18	-85.96	G	OK	
1710.00	23.62	-85.92	G	OK		**1720.00**	23.52	-85.88	G	OK	
1730.00	25.07	-85.91	G	OK		**1740.00**	25.73	-85.89	G	OK	
1750.00	26.70	-85.93	G	OK		**1760.00**	26.68	-85.88	G	OK	
1770.00	27.83	-85.87	G	OK		**1780.00**	27.99	-85.90	G	OK	
1790.00	27.85	-85.90	G	OK		**1800.00**	28.44	-85.92	G	OK	
1810.00	28.58	-85.90	G	OK		**1820.00**	29.01	-85.87	G	OK	
1830.00	29.36	-85.78	G	OK		**1840.00**	29.83	-85.66	G	OK	
1850.00	29.74	-85.66	G	OK		**1860.00**	28.08	-85.73	G	OK	
1870.00	28.52	-85.69	G	OK		**1875.10**	29.16	-85.55	G	OK	End of T-062 gyro

Detailed Lithology

From	To	Lithology
0.00	**5.00**	**CAS, Casing**
5.00	**391.00**	**GRPH, Granophyre** Unit is medium grained, somewhat equigranular, salmon to brick red colored felsic groundmass with dark green to greenish black pyroxene and creamy white plagioclase feldspars. No mineralization **Structure** 19.00 - 22.00 : FLT Fault, 35.00 Deg to CA Small FLT with fine CHL mud gouge with gossany staining suggesting groundwater movement within the structure. 45.00 - 48.00 : FLT Fault, 50.00 Deg to CA Small FLT with fine HEM/gossany staining within the slips suggesting groundwater movement within the structure. 72.00 - 75.60 : FLT Fault, 35.00 Deg to CA Small FLT with fine CHL/HEM mud gouge with gossany staining suggesting groundwater movement within the structure. 126.60 - 132.00 : FLT Fault, 70.00 Deg to CA Rehealed FLT with 10cm of CARB infill with moderate CARB tension gashes 170.00 - 181.00 : FLT Fault, 70.00 Deg to CA Rehealed FLT with ~6cm of CHL/CARB infill with moderate CHL fractures and FF and CARB tension gashes. **RQD** 95.20 - 95.80 : 0.00 % RQD 100.00 % Core Weak convex disking with 1-3cm disks and incipient disking as well.

Assay Data

Sample #	From	To	Length	Ni %	Cu %

Hole Number: **T-062**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
391.00	**632.55**	**TRZN, Transition Zone** Medium to coarse grained, fairly massive, light greyish-pink felsic groundmass with euhedral to lathy feldspars, green to greenish black pyroxene and creamy white plagioclase. Top contact is defined by start of magnetism. No mineralization throughout exept for a small blebbs of cpy at 381m **Structure** 436.00 - 439.00 : FLT Fault, 70.00 Deg to CA Rehealed, competent FLT with 35cm of QTZ/CARB infill with weak CARB tension gashes 574.10 - 574.20 : SHR Shear, 50.00 Deg to CA Small, compentent Carb gash, minor hem alteration 595.40 - 598.10 : SHR Shear, 70.00 Deg to CA Small section of shearing before dyke. **MINOR INTERVALS:** **Minor Interval:** 511.10 - 512.70 APL, Aplite Dike **Minor Interval:** 598.10 - 602.80 LGBX, Late Granite Breccia Small intrusive LGBX unit with distinct contacts. Unit contains well to sub-rounded fragments of GRPH, mafics, NOR? and plag within a fine grained, light grey-pinkish matrix of slight DIOR appearance. (see picture tab).						
632.55	**659.00**	**FLT, Fault** Large, moderate to strong FZ with 170cm of strongly sheared infill material, containing APL?/mafic/CHL/CARB with blocks/fragments of GRPH with moderate to strong CARB tension gashes throughout with moderate CHL found after the gouge. Unit is competent, but after gouge becomes blocky due to CHL fractures. Dip of FZ is at 60° tca. No mineralization. **Alteration** 632.55 - 659.00 :Carb Carbonate, FF Fracture Filling, S Strong **RQD** 654.00 - 660.00 : 29.00 % RQD 100.00 % Core Tail end of FZ with strong CHL fractures thoughout.						

Hole Number: **T-062**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
659.00	**837.40**	**TRZN, Transition Zone** Medium to coarse grained, fairly massive, light greyish-pink felsic groundmass with euhedral to lathy feldspars, green to greenish black pyroxene and creamy white plagioclase. Moderately magnetic with 1-3% magnetite grains throughout. No economic mineralization seen. **Alteration** 735.25 - 740.00 :HE Hematite, P Pervasive, M Moderate 735.25 - 740.00 :CHL Chlorite, FF Fracture Filling, M Moderate **Structure** 735.25 - 736.20 : SHR Shear, 20.00 Deg to CA Small section of shearing before dyke. 739.40 - 746.00 : SHR Shear, 30.00 Deg to CA Small section of shearing after dyke. **MINOR INTERVALS:** **Minor Interval:** 736.20 - 739.40 DIA, Diabase Dark green to blackish green pyroxenes and amphyboles with fine cream to white phenocrysts peppered throughout, fine grained, moderately magnetic with 1-3% fine disseminated magnetite throughout with sharp but irregular contacts. No mineralization							
837.40	**854.55**	**APL, Aplite Dike** Homogenous, fine grained, light grey unit. Sharp contacts with the TRZN, 70tCA and 80tCA respectively. Unit is very silicious, partially bleached? Structure - small <1mm carbonate filled fractures throughout Alteration - Unit is possibly bleached Mineralization - none observed **Alteration** 837.40 - 854.55 :Carb Carbonate, FF Fracture Filling, W Weak Weak carb FF, <1mm in size, discontinous, <10/meter **RQD** 851.10 - 851.50 : 25.00 % RQD 100.00 % Core <1cm disks, minor CHL along fractures							

Hole Number: **T-062**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
854.55	**906.00**	**TRZN, Transition Zone** Homogenous, medium to coarse grained, grey - light pink in color. feldspar grains are tabular, px grains accicular, dark green/black in color. Small aplite dikes cross cutting the unit, sharp contacts. Lower contact with the FNOR is gradational Structure - Multiple small shears <5cm across scattered across the unit. Minor competent fault, <1m in size. moderate alteration halo surrounding Alteration - hematite alteration surrounding the faulted area, and weak locallized epi alt of feldspars Mineralization - Minor Py assocaited with a small qtz/carb vein. **Alteration** 874.00 - 886.70 :HE Hematite, P Pervasive, M Moderate Moderate - Strong pervasive hematite alteration asssociated with a competent fault. Alteration increases towards the fault at 881.40m - 881.65m 881.40 - 881.65 :EP Epidote, P Pervasive, S Strong Strong epi alteration of fault matrix **Structure** 881.40 - 881.65 : F Fractured, 70.00 Deg to CA Strong Hematite alteration of competent fault, fault contains small clasts of host rock, and intense epi alteration of matrix							

Hole Number: **T-062**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
906.00	**1260.00**	**FNOR, Felsic Norite** FNOR - Homogeouns, fine-medium grained unit, light grey with occasional discoloration due to alteraiton. Cotnact with the TRZN with gradtional, and grain size reduction as well as lack of euhedral plg was used to determine the approximate area of the change. 60/40 mafic/felsic mineral composition. Minor Aplite dikes cross . Entire unit has been cross cut by thin <5cm Qtz/Carb veins with a creamy/green/grey color, possbile due to alteration. Weakly magnetic past 1230.50m Structure - Minor zones of Qtz/Carb FF shearing, fault present with 1-2mm of gouge along fractures, see structure tab. Alteration - Strong epi and moderate-strong hematite alteration associated with the fault. Carb FF present, locallized areas of weak kspar Mineralization - trace Po + Py + Ccp asscociated with qtz/carb FF <1% **Texture** 922.40 - 924.00 : FG Fine Grained Fine grained Aplite dike 1025.15 - 1172.65 : HOMO Homogeneous Homogenous FNOR, 60/40 mafic/felsic composition 906.00 - 1024.75 : HOMO Homogeneous Homogenous FNOR, roughly 60/40 mafic/felsic composition 1024.75 - 1025.15 : FG Fine Grained Fine grained aplite dike 1172.65 - 1173.65 : FG Fine Grained Decrease in grain size, increase in mafic composition 80/20. 1173.65 - 1249.50 : HOMO Homogeneous Homogenous FNOR 1249.50 - 1250.25 : APH Aphanitic Aphanitic - fine grained dike, containing blocks of FNOR within, weak chill margins along contacts **Mineralization** 973.45 - 973.65 : PO Pyrrhotite, VN Veins, 0.10% Trace Po within core of Epi vein 993.95 - 994.05 : PY Pyrite, VN Veins, 0.10% Trace Py associated with Qtz/Carb vein 995.75 - 995.85 : PY Pyrite, VN Veins, 0.10% trace Py associated with Qtz/Carb vein 1077.05 - 1077.10 : PO Pyrrhotite, TR Trace, 0.10% Trace Po + Ccp within the shear zone 1104.45 - 1104.55 : CP Chalcopyrite, TR Trace, 1.00% Small Ccp + Po stringers/smoke (<mm) associated with a small shear 1104.45 - 1104.65 : PO Pyrrhotite, TR Trace, 0.25% Small Po along a small shear 1118.95 - 1119.00 : PO Pyrrhotite, VN Veins, 0.10% Trace vein of Py with minor Po + Ccp						

Hole Number: **T-062**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
		Mineralization						
		1120.70 - 1121.00 : PO Pyrrhotite, TR Trace, 0.25% Trace Po within Carb FF of shear zone						
		1142.70 - 1142.75 : PY Pyrite, VN Veins, 0.25% Trace Py vein						
		1155.85 - 1156.00 : PO Pyrrhotite, TR Trace, 0.25% trace Po + Py associated with Carb FF.						
		1158.00 - 1158.10 : PY Pyrite, TR Trace, 0.10% Trace Py along thin <1mm veinlet						
		1169.05 - 1169.40 : PY Pyrite, VN Veins, 0.25% trace Py along the contacts of Carb FF						
		Alteration						
		973.45 - 973.65 :EP Epidote, VN Vein, M Moderate						
		Small <2cm TW Epi vein, ~40tCA, with small <1mm vein of Po in the core of the vein						
		1001.75 - 1010.80 :HE Hematite, F Fracture Controlled, S Strong						
		Moderate - Strong Hem alteration associated with the fault zone. Alteration increases intensity towards the fault zone.						
		1005.00 - 1005.80 :EP Epidote, F Fracture Controlled, S Strong						
		Strong Epi/Chl alteration associated with the faulted zone.						
		1126.00 - 1134.15 :K K-Feldspar, P Pervasive, W Weak						
		Weak kspar alteration, locally moderate alteration						
		1151.55 - 1153.45 :K K-Feldspar, P Pervasive, W Weak						
		Weak-Moderate kspar alteration of felsic minerals. Locally moderate alteration						
		1173.70 - 1175.75 :K K-Feldspar, P Pervasive, W Weak						
		Weak pervasive kspar alteration						
		1188.70 - 1193.70 :K K-Feldspar, P Pervasive, W Weak						
		Very weak kspar alteration of felsic minerals						
		1215.60 - 1220.70 :Sil Silica, P Pervasive, M Moderate						
		Moderate silicious alteration and fracture filling of interval, minor brecciation present within						
		1220.70 - 1226.25 :K K-Feldspar, P Pervasive, W Weak						
		Weak - Moderate kspar alteration of felsic minerals						
		Structure						
		978.00 - 978.75 : SHR Shear, 80.00 Deg to CA Moderate Qtz/Carb FF within shear zone. small rounded fragments in the center of the shear zone. Py along contact of the shear.						
		993.00 - 997.20 : SHR Shear, 50.00 Deg to CA Weak Qtz/Carb FF within shear zone, FF appear milky/grey in color. ~5/meter, continuousm <1cm in width.						
		1001.80 - 1010.80 : F Fractured, 35.00 Deg to CA Fault zone, ~35tCA <2mm gouge along fracture surfaces in main fault zone. FF associated are a light grey/green milky texture (altered qtz/carb?) generally 1-3cm wide, and include fragments of FNOR within. >15fractures/meter, ~10 veins/meter.						
		1030.25 - 1034.30 : SHR Shear, 70.00 Deg to CA Weak shear with Qtz/Carb FF, minor epi alteration of FF						
		1034.30 - 1034.45 : SHR Shear, 60.00 Deg to CA Weak sheared zone, fine grain black matrix with small <mm fragments within						

Hole Number: **T-062**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
		Structure 1071.00 - 1071.55 : SHR Shear, 60.00 Deg to CA Moderate shear zone with 5 carb FF through, foliation of material w/in the zone is 60tCA. 1076.00 - 1077.60 : SHR Shear, 60.00 Deg to CA Moderate shear zone, with qtz/carb FF, and a light brown FF phase (unknown) Po and Ccp is associated with Qtz FF. <1% Po+Ccp 1084.70 - 1085.05 : SHR Shear, 70.00 Deg to CA Moderate shear zone, qtz/carb FF, + minor kspar alteration of fragments w/in. 1118.95 - 1119.00 : SHR Shear, 40.00 Deg to CA Weak shear with minor Po+Ccp+Py 1120.70 - 1121.00 : SHR Shear, 60.00 Deg to CA Weak-moderate shear zone with minor Carb FF, Po + Py mineralization associated 1135.75 - 1135.90 : SHR Shear, 60.00 Deg to CA Weak shear zone with milky + carb FF (epi?) 1155.85 - 1156.00 : SHR Shear, 65.00 Deg to CA Weak Carb FF w/in shear zone, with Po + Py 1169.05 - 1169.40 : SHR Shear, 35.00 Deg to CA Weak shear with carb FF and associated Py mineralization 1215.50 - 1220.00 : SHR Shear Moderate shear with minor breccia and moderate silicious alteration **MINOR INTERVALS:** **Minor Interval:** 922.40 - 924.00 APL, Aplite Dike Homogenous, fine grained light grey aplite dike. **Minor Interval:** 1249.50 - 1250.25 DIA, Diabase Aphanitic-fine grained diabase sharp contacts ~50tCA, showing weak chill margins along the contact. Contains large block (45cm) of FNOR within						
1260.00	**1301.55**	**FNOR, Felsic Norite** FNOR - Homogenous, fine-medium grained, light grey, generally 60/40 mafic/felsic composition. Pyroxenes are subhedral, <~mm in size, plag grains <~mm as well. Unit is sharply cut by diabase units, ~75tCA on both upper and lower contact. Unit is also cut by occasional carb veins, <1cm in width. <3veins/meter. Alteration - Weak epidote alteration, locally increasing with proximity to the diabase. Structure - No major structures observed Mineralization - No mineral observed **Texture** 1260.00 - 1301.55 : HOMO Homogeneous Homogenouns FNOR **Alteration** 1274.85 - 1301.55 :EP Epidote, P Pervasive, W Weak Weak pervasive epi alteration of plagiclase						

Hole Number: **T-062**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
1301.55	**1304.60**	**DIA, Diabase** DIA - Aphanitic, fine-grained, sharp contacts with the FNOR ~75tCA on obth contacts. Unit is blocky, RQD ~57%. Fractures within the diabase are polished, with strong chloritic slicks with minor <mm of gouge. Structure - Blocky Mineralization - Tr <mm spherulites(?) of Py within diabase. **Texture** 1301.55 - 1304.60 : APH Aphanitic Aphanitic fine grained diabase **Mineralization** 1301.55 - 1304.60 : PY Pyrite, TR Trace, 0.10% Trace Py spherulites within Dia unit **Alteration** 1301.55 - 1304.60 :CHL Chlorite, F Fracture Controlled, S Strong Strong polished fracture surfaces of Diabase with Chl slicks and gouge. **Structure** 1301.55 - 1304.60 : BLKY Blocky, 55.00 Deg to CA Blocky core with Chl slicks/polishing on fractures							

Hole Number: **T-062**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
1304.60	**1483.30**	**FNOR, Felsic Norite** FNOR - Homogenous, fine-medium grained, light grey, generally 60/40 mafic/felsic composition. Locally increasing to 70/30 mafic/felsic. Unit is cross cut by qtz/carb veins with minor chl alteration <3veins/meter. Unit is cross cut by two small diabases at 1387.50-1387.75m and 1388.80-1389.05m. Gradationally grain size decreases ~1400, 70/30 mafic/felsic composition. Structure - small competent fault <5cm in width, carb FF present, multiple competent shear zones present, varying degree of shear zones and competent faults. See Structure tab Alteration - weak pervasive epi alteration throughout, 1385.0m core becomes increasingly green in color, possibly due to epi/chl alteration, moderate - strong hematite alteration associated with faults Mineralization - Small Po vein within a minor shear zone, vein was heavily oxidized **Texture** 1304.60 - 1387.50 : HOMO Homogeneous homogenous FNOR 1387.50 - 1387.75 : APH Aphanitic aphanitic diabase 1387.75 - 1388.80 : HOMO Homogeneous homogenous FNOR 1388.80 - 1389.05 : APH Aphanitic Aphanitic diabase 1389.05 - 1419.00 : HOMO Homogeneous homogenous FNOR 1419.00 - 1455.20 : HOMO Homogeneous Homogenous FNOR with a decrease in grain size, 70/30 mafic/felsic composition 1455.20 - 1457.50 : FLT Fault Gouge Fault zone with mod-strong hematite alteration 1457.50 - 1483.30 : HOMO Homogeneous Homogenous FNOR with weak alteration, fine grained **Mineralization** 1392.55 - 1392.65 : PO Pyrrhotite, VN Veins, 5.00% 5% Po vein along a qtz/carb FF, does not fully cross cut core, only a small segment was intersected. Minor Py present, cross cutting Po. **Alteration** 1304.60 - 1362.00 :EP Epidote, P Pervasive, W Weak Very weak pervasive epi alteration 1377.90 - 1378.65 :K K-Feldspar, P Pervasive, M Moderate Moderate potassic alteration 1385.00 - 1419.00 :EP Epidote, P Pervasive, W Weak Weak chl/epi alteration of the core, giving the core a slight green hue 1393.00 - 1393.80 :K K-Feldspar, P Pervasive, W Weak weak potassic alteration							

Hole Number: **T-062**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
		Alteration 1408.90 - 1412.45 :K K-Feldspar, P Pervasive, W Weak Weak-moderate potassic alteration within a shear zone 1438.80 - 1440.55 :HE Hematite, P Pervasive, M Moderate Moderate hematite alteration, within the shear zone 1451.85 - 1453.20 :HE Hematite, P Pervasive, W Weak Weak hematite alteration approaching fault zone 1453.20 - 1455.50 :HE Hematite, P Pervasive, M Moderate Moderate hematite alteration approaching fault 1455.50 - 1457.50 :HE Hematite, P Pervasive, S Strong Strong hematite alteration within fault zone 1457.50 - 1475.00 :HE Hematite, P Pervasive, W Weak Very weak hematite alteration away from fault and pervasively throughout the interval **Structure** 1331.05 - 1331.15 : SHR Shear, 80.00 Deg to CA Moderate Carb F within competent fault 1378.10 - 1378.45 : FLT Fault, 80.00 Deg to CA Moderate fault zone with chl alteration and gouge along fractures. Fault breccia present in central zone. 1392.55 - 1392.65 : SHR Shear, 80.00 Deg to CA Weak Chl shear zone with Po + Carb FF. 1408.90 - 1412.45 : FLT Fault, 65.00 Deg to CA Moderate competent fault zone with potassic alteration and carb FF entraining fragments of altered host rock 1433.55 - 1443.70 : SHR Shear, 50.00 Deg to CA Weak shear zone with Qtz/Carb FF varying betwen 40-60tCA. Veins are continuous and <3cm in width. ~2veins/meter across the interval 1455.20 - 1457.50 : FLT Fault Moderate - Strong hematite alteration of FNOR within fault zone, ~15fractures/meter within the zone. FF filled with a fine grianed black material and hematite. 1463.90 - 1471.00 : SHR Shear, 60.00 Deg to CA Weak Qtz/Carb FF, oriented ~60tCA. Veins are all continuous, include fragments of FNOR within. Minor hematite alteration within the veins and surrounding FNOR. **MINOR INTERVALS:** **Minor Interval:** 1455.20 - 1457.50 FLT, Fault Fault w/in FNOR. Blocky ground with moderate - strong hematite alteration and Chl slicks. <mm layer of gouge on slick planes. Alteration is gradational away from the fault zone.							

Hole Number: **T-062**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
1483.30	**1583.70**	**FLT, Fault** FLT - Major fault zone hosted in FNOR. ~60-70tCA orientation of breaks. 1mm - 5mm of gouge along fractures. Decrease in ground quality with increase in depth. 1496.95m ground becomes a mixture of fragments, clay and consolidated pieces of fault breccia. Structure - FLT zone Alteration - Strong - Intense hematite alteration, gradtionally increasing with depth. Primary textures of FNOR completely destoryed by the alteration starting around 1492m. Mineralization - No mineral observed **Texture** 1501.35 - 1583.65 : BX Brecciated FLTBX, composed of angular polymictic fragments 1492.00 - 1511.55 : FLT Fault Gouge Fault, gradation reduction in compendancy of core, destruction of primary FNOR textures. **Mineralization** 1501.35 - 1511.45 : PY Pyrite, DIS Disseminated, 2.00% 2% Disseminated Py through the FLTBX zone, often associated with small stringers **Alteration** 1483.30 - 1499.00 :HE Hematite, P Pervasive, S Strong Strong, gradational increase in hematite alteration throughout fault zone. Sections of fault zone are completely replaced and orignal textures destoryed by the alteration 1501.35 - 1511.45 :CHL Chlorite, P Pervasive, W Weak Weak pervasive alteration of FLTBX matrix **Structure** 1483.30 - 1499.00 : FLT Fault, 60.00 Deg to CA Strong hematite alteration due to large fault zone						

Hole Number: **T-062**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
		MINOR INTERVALS: **Minor Interval:** 1501.45 - 1583.65 ONAP, Onaping Formation Onaping Formation (Basal Member) Strongly silicified, sub-rounded to almost jagged light beigy-green to white to light pink mostly Quartzite and Andesite fragments, within a sparce grey-green to taupe silicious matrix with very fine mica and fine PY occasionally seen. **Texture** 1566.45 - 1576.75 : BX Brecciated Fault breccia appears to be more mafic, and has an increase in gouge present along fractures. 1548.30 - 1553.60 : MG Medium Grained Medium grained section with subhedral plagioclase grains, kspar alteration and dark matrix **Alteration** 1548.30 - 1553.60 :K K-Feldspar, P Pervasive, M Moderate Moderate kspar alteration of plagioclase grains **Structure** 1560.50 - 1564.45 : SHR Shear Moderate-Strong irregular carb FF, inclusions of host rock present, ~45% of interval is carb material						

Hole Number: **T-062**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
1583.70	**1620.10**	**FNOR, Felsic Norite** Fairly typical FNOR with strong interstitial HEM alteration throughout, weak CHL shearing "flows" throughout as well as CARB tension gashes. Both contacts are sharp at 55° tca. Unit becomes intruded/intermixed with sheared MD towards the end of unit and as a result quite chloritic and sheared. **Alteration** 1583.70 - 1603.25 :HE Hematite, INT Interstitial, S Strong 1603.25 - 1620.10 :CHL Chlorite, P Pervasive, M Moderate **Structure** 1583.70 - 1603.25 : SHR Shear, 55.00 Deg to CA 1603.25 - 1620.10 : SHR Shear, 55.00 Deg to CA FNOR unit becomes intruded/intermixed with sheared MD towards the end of unit and as a result quite chloritic and sheared. **RQD** 1610.00 - 1628.00 : 20.00 % RQD 100.00 % Core Blocky due to low angled fractures combined with multiple consecutive higher angled fractures. **MINOR INTERVALS:** **Minor Interval:** 1603.25 - 1609.55 FLT, Fault Moderate to strongly sheared, pervasively chloritic (moderate), fine grained, with dark green to greenish black pyroxene and amphiboles, fine biotite. Sheared to 50-55° tca. Sharp contacts at 55° tca. **Minor Interval:** 1613.65 - 1616.10 ONAP, Onaping Formation Onaping Formation (Basal Member) Strongly silicified, sub-rounded to almost jagged light beigy-green to white to light pink mostly Quartzite and Andesite fragments, within a sparce grey-green to taupe silicious matrix with very fine mica and fine PY occasionally seen.						
1620.10	**1733.40**	**ONAP, Onaping Formation** Onaping Formation (Basal Member) Strongly silicified, sub-rounded to almost jagged light beigy-green to white to light pink mostly Quartzite and Andesite fragments, within a sparce grey-green to taupe silicious matrix with very fine mica and fine PY occasionally seen (see photos tab). Moderate CHL fractures + CARB FF dipping between 45-70°. **Structure** 1620.10 - 1632.00 : BLKY Blocky, 55.00 Deg to CA 1666.00 - 1684.00 : BLKY Blocky, 35.00 Deg to CA Blocky due to low angled fractures combined with multiple consecutive higher angled fractures. 1714.00 - 1729.90 : FLT Fault, 45.00 Deg to CA Slightly blocky rehealed FLT zone with 5cm of CARB infill, with sections of mm thick mud gouge seams seen occasionally within the zone with weak to moderate CARB tension gashes as well. **RQD** 1667.00 - 1680.00 : 25.00 % RQD 100.00 % Core Blocky due to low angled fractures combined with multiple consecutive higher angled fractures.						

SUDBURY INTEGRATED NICKEL OPERATIONS
GLENCORE

DETAILED LOG

Hole Number: **T-062**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
1733.40	**1886.10**	**GRPH, Granophyre** Granophyre composed of dark green to blackish green colored, medium grained matrix, with mm sized, dense, cream to orangey-pink plagioclase phenocryst. NON MAGNETIC. Unit has a slight Granodioritic appearance to it. Moderate CHL fractures dipping between 25-60° tca. Top contact is sharp, yet irregular. No mineralization seen. **Structure** 1734.00 - 1764.00 : BLKY Blocky, 35.00 Deg to CA Moderate to strong CHL fracturing and some weak shearing as well. 1775.45 - 1779.70 : FLT Fault, 65.00 Deg to CA Small FLT, difficult to assess with amount of redrilled, broken, blocky core, most pieces or fragments contain CHL within every face. Some minor mm thick CHL mud gouge found on some sections of broken core. 1791.00 - 1806.50 : BLKY Blocky, 40.00 Deg to CA Moderate to strong CHL fracturing and some weak shearing as well.						
1886.10	**1886.11**	**EOH, End of Hole**						

SUDBURY INTEGRATED NICKEL OPERATIONS
A GLENCORE COMPANY

DETAILED LOG

Hole Number: **T-063**

Units: METRIC

Project Name:	FL SURFACE	Primary Coordinates	Grid: UTM:			Destination Coordinates	Grid: UTM:	Collar Dip:	-89.62
Project Number:	6227	North:	5145767.70			North:	5145767.70	Collar Az:	47.12
Location:	Surface	East:	463146.84			East:	463146.84	Length:	1,821.01
		Elev:	344.45			Elev:	344.45	Start Depth:	0.00
Date Started:	Jun 10, 2019	Collar Survey:	Y	Plugged:	N	Contractor:	FORACO CANADA LTD.	Final Depth:	1,821.01
Date Completed:	Aug 15, 2019	Multishot Survey:	Y	Hole Size:	NQ	Core Storage:	NIR		
Logged By:	Sabrina Sterner, Andre Taillefer	Pulse EM Survey:	Y	Casing:	Left in Hole, capped				

Comments: Hole is targeting the regional 3-D AMT anomaly modelled on the Big Smoke Footwall panel

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	47.12	-89.62	G	OK	Start of T-063 gyro	**10.00**	32.70	-89.58	G	OK	
14.00	36.20	-89.80	EZ		mag 55856	**20.00**	3.03	-89.41	G	OK	
30.00	358.11	-89.36	G	OK		**40.00**	355.44	-89.07	G	OK	
50.00	352.69	-89.05	G	OK		**60.00**	353.97	-88.77	G	OK	
69.00	36.00	-88.90	EZ		mag 56333	**70.00**	353.82	-88.67	G	OK	
80.00	355.85	-88.55	G	OK		**90.00**	357.27	-88.57	G	OK	
100.00	358.92	-88.41	G	OK		**110.00**	357.92	-88.36	G	OK	
120.00	359.40	-88.41	G	OK		**123.00**	359.40	-88.50	EZ		mag 56285
130.00	358.18	-88.23	G	OK		**140.00**	356.84	-88.15	G	OK	
150.00	356.75	-88.03	G	OK		**160.00**	356.30	-87.81	G	OK	
170.00	356.22	-87.69	G	OK		**174.00**	354.50	-87.50	EZ		mag 56225
180.00	356.61	-87.51	G	OK		**190.00**	357.81	-87.26	G	OK	
200.00	358.08	-87.08	G	OK		**210.00**	358.30	-86.92	G	OK	
220.00	358.15	-86.83	G	OK		**228.00**	354.60	-86.90	EZ		mag 56286
230.00	357.99	-86.67	G	OK		**240.00**	358.30	-86.50	G	OK	
250.00	357.72	-86.35	G	OK		**260.00**	357.19	-86.21	G	OK	
270.00	356.74	-86.14	G	OK		**279.00**	354.90	-86.30	EZ		mag 57395
280.00	356.44	-86.05	G	OK		**290.00**	355.98	-85.92	G	OK	
300.00	355.74	-85.84	G	OK		**310.00**	355.86	-85.76	G	OK	
320.00	355.70	-85.70	G	OK		**330.00**	355.33	-85.64	G	OK	
330.00	352.30	-85.90	EZ		mag 57256	**340.00**	354.77	-85.58	G	OK	
350.00	355.06	-85.42	G	OK		**360.00**	356.23	-85.15	G	OK	
370.00	356.77	-84.98	G	OK		**380.00**	356.73	-84.87	G	OK	
381.00	355.90	-85.10	EZ		mag 56178	**390.00**	356.83	-84.73	G	OK	
400.00	356.93	-84.64	G	OK		**410.00**	356.67	-84.53	G	OK	

Hole Number: **T-063**

Units: METRIC

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
420.00	356.50	-84.44	G	OK		**430.00**	356.43	-84.36	G	OK	
432.00	355.80	-84.50	EZ		mag 56175	**440.00**	356.14	-84.30	G	OK	
450.00	356.20	-84.24	G	OK		**460.00**	356.02	-84.18	G	OK	
470.00	355.61	-84.12	G	OK		**480.00**	355.59	-84.04	G	OK	
483.00	355.20	-84.20	EZ		mag 56176	**490.00**	355.38	-83.95	G	OK	
500.00	355.33	-83.88	G	OK		**510.00**	354.92	-83.79	G	OK	
520.00	354.47	-83.72	G	OK		**530.00**	354.47	-83.64	G	OK	
534.00	359.90	-83.70	EZ		mag 56201	**540.00**	354.60	-83.59	G	OK	
550.00	354.71	-83.51	G	OK		**560.00**	355.22	-83.34	G	OK	
570.00	356.27	-83.10	G	OK		**580.00**	358.87	-82.38	G	OK	
585.00	358.60	-82.50	EZ		mag 55788	**590.00**	358.74	-82.18	G	OK	
600.00	358.54	-82.09	G	OK		**610.00**	358.71	-82.01	G	OK	
620.00	358.77	-81.94	G	OK		**630.00**	359.00	-81.89	G	OK	
636.00	358.60	-82.10	EZ		mag 55777	**640.00**	359.02	-81.87	G	OK	
650.00	358.77	-81.81	G	OK		**660.00**	358.18	-81.77	G	OK	
670.00	357.90	-81.72	G	OK		**680.00**	357.53	-81.66	G	OK	
690.00	357.18	-81.61	G	OK		**700.00**	356.99	-81.54	G	OK	
710.00	356.66	-81.51	G	OK		**720.00**	356.51	-81.44	G	OK	
730.00	356.05	-81.36	G	OK		**738.00**	356.30	-81.30	EZ		mag 55834
740.00	355.45	-81.25	G	OK		**750.00**	355.40	-81.16	G	OK	
760.00	355.70	-81.05	G	OK		**770.00**	355.73	-80.96	G	OK	
780.00	355.82	-80.88	G	OK		**790.00**	355.79	-80.83	G	OK	
792.00	353.40	-80.80	EZ		mag 55675	**800.00**	355.20	-80.74	G	OK	
810.00	354.56	-80.63	G	OK		**820.00**	354.26	-80.56	G	OK	
830.00	354.05	-80.53	G	OK		**840.00**	354.08	-80.52	G	OK	
843.00	349.60	-80.60	EZ		mag 54971	**850.00**	354.24	-80.53	G	OK	
860.00	354.32	-80.56	G	OK		**870.00**	354.42	-80.54	G	OK	
880.00	354.34	-80.58	G	OK		**890.00**	353.96	-80.77	G	OK	
891.00	351.20	-81.00	EZ		mag 55669	**900.00**	353.97	-80.79	G	OK	
910.00	354.01	-80.81	G	OK		**920.00**	354.03	-80.83	G	OK	
930.00	353.95	-80.85	G	OK		**940.00**	354.06	-80.83	G	OK	
942.00	351.40	-81.00	EZ		mag 56019	**950.00**	354.21	-80.80	G	OK	
960.00	354.29	-80.77	G	OK		**970.00**	354.50	-80.74	G	OK	
980.00	354.53	-80.71	G	OK		**990.00**	354.59	-80.69	G	OK	

Hole Number: **T-063** Units: METRIC

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
990.00	353.60	-80.70	EZ		mag 56042	**1000.00**	354.70	-80.64	G	OK	
1010.00	354.90	-80.60	G	OK		**1020.00**	355.21	-80.51	G	OK	
1030.00	355.38	-80.44	G	OK		**1040.00**	355.43	-80.36	G	OK	
1050.00	355.43	-80.31	G	OK		**1060.00**	355.50	-80.28	G	OK	
1070.00	355.56	-80.26	G	OK		**1080.00**	356.20	-80.40	G	OK	
1090.00	356.74	-80.43	G	OK		**1095.00**	353.30	-80.50	EZ		mag 56997
1100.00	356.98	-80.35	G	OK		**1110.00**	357.25	-80.28	G	OK	
1120.00	357.62	-80.21	G	OK		**1130.00**	357.83	-80.13	G	OK	
1140.00	358.12	-80.13	G	OK		**1149.00**	356.50	-80.30	EZ		mag 57016
1150.00	358.26	-80.08	G	OK		**1160.00**	358.45	-80.03	G	OK	
1170.00	358.50	-79.93	G	OK		**1180.00**	358.68	-79.87	G	OK	
1190.00	359.22	-79.81	G	OK		**1200.00**	359.70	-79.79	G	OK	
1210.00	0.07	-79.75	G	OK		**1220.00**	0.45	-79.58	G	OK	
1230.00	0.56	-79.46	G	OK		**1240.00**	0.78	-79.41	G	OK	
1250.00	0.87	-79.36	G	OK		**1260.00**	0.63	-79.11	G	OK	
1270.00	0.13	-78.70	G	OK		**1280.00**	1.06	-78.57	G	OK	
1290.00	1.45	-78.47	G	OK		**1298.00**	359.10	-78.10	EZ		mag 56793
1300.00	1.63	-78.31	G	OK		**1310.00**	2.01	-78.15	G	OK	
1320.00	2.85	-78.04	G	OK		**1330.00**	3.67	-77.84	G	OK	
1340.00	4.60	-77.65	G	OK		**1350.00**	5.40	-77.49	G	OK	
1350.00	4.60	-77.60	EZ		mag 57055	**1360.00**	6.03	-77.34	G	OK	
1370.00	7.29	-77.10	G	OK		**1380.00**	8.41	-76.90	G	OK	
1390.00	9.19	-76.75	G	OK		**1400.00**	9.94	-76.65	G	OK	
1404.00	8.10	-76.80	EZ		mag 58197	**1410.00**	10.58	-76.66	G	OK	
1420.00	11.14	-76.59	G	OK		**1430.00**	11.81	-76.49	G	OK	
1440.00	12.42	-76.36	G	OK		**1450.00**	13.11	-76.25	G	OK	
1455.00	11.30	-76.30	EZ		mag 58273	**1460.00**	13.97	-76.18	G	OK	
1470.00	14.61	-76.12	G	OK		**1480.00**	14.93	-76.07	G	OK	
1490.00	15.16	-76.03	G	OK		**1500.00**	15.77	-76.03	G	OK	
1506.00	14.30	-76.20	EZ		mag 58151	**1510.00**	16.29	-75.93	G	OK	
1520.00	16.69	-76.00	G	OK		**1530.00**	17.02	-75.93	G	OK	
1540.00	17.24	-75.89	G	OK		**1550.00**	17.49	-75.77	G	OK	
1560.00	17.80	-75.69	G	OK		**1560.00**	16.70	-76.00	EZ		mag 57190
1570.00	17.77	-75.66	G	OK		**1580.00**	17.92	-75.59	G	OK	

Hole Number: **T-063**

Units: METRIC

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
1590.00	18.04	-75.44	G	OK		**1600.00**	18.20	-75.33	G	OK	
1610.00	18.35	-75.12	G	OK		**1620.00**	17.98	-74.95	G	OK	
1630.00	18.17	-74.80	G	OK		**1640.00**	18.37	-74.60	G	OK	
1650.00	18.78	-74.51	G	OK		**1660.00**	19.19	-74.29	G	OK	
1670.00	19.57	-74.26	G	OK		**1680.00**	19.71	-74.19	G	OK	
1690.00	19.79	-74.02	G	OK		**1700.00**	19.69	-73.82	G	OK	
1710.00	19.80	-73.70	G	OK		**1720.00**	19.84	-73.62	G	OK	
1730.00	19.84	-73.65	G	OK		**1740.00**	20.09	-73.62	G	OK	
1750.00	20.51	-73.59	G	OK		**1760.00**	20.56	-73.55	G	OK	
1770.00	20.83	-73.51	G	OK		**1780.00**	21.03	-73.56	G	OK	
1790.00	20.90	-73.51	G	OK		**1800.00**	21.10	-73.41	G	OK	
1807.00	20.63	-73.25	G	OK	End of T-063 gyro						

Detailed Lithology

From	To	Lithology	Assay Data					
			Sample #	From	To	Length	Ni %	Cu %
0.00	**6.00**	**CAS, Casing**						
6.00	**292.00**	**GRPH, Granophyre** Unit is medium grained, somewhat equigranular, salmon to brick red colored felsic groundmass with dark green to greenish black pyroxene and creamy white plagioclase feldspars. No mineralization						
292.00	**297.00**	**SHR, Shear** Shear defining the contact between GRPH and TRZN. Fine-Medium grained ground mass, with subhedral felsic grains, and anhedral darkgreen pyroxenes, increase in mafic minerals compared to GRPH. Shearing is defined by Qtz/Carb FF, 1-3cm in width, 40-55tCA, ~3 fractures/m No mineral						
297.00	**940.00**	**TRZN, Transition Zone** TRZN zone, fine-medium grained, subhedral grains in a dark grey/green groundmass, with elongated felsic phenocrysts due to the foliation present. Foliation is defined by mineral elongation of felsic grains, aspect ratios >4, oriented 55tCA. Alteration - strong hematite alteration, from 335-339m Mineral - Trace, fine grained subhedral Py grains throughout the TRZN.						
940.00	**1172.65**	**FNOR, Felsic Norite** FNOR - Homogeneous, fine-medium grained unit, light grey with occasional discoloration due to alteraiton. Contact with the TRZN is gradtional, and grain size reduction as well as lack of euhedral plg was used to determine the approximate area of the change. 60/40 mafic/felsic mineral composition.						

Hole Number: **T-063**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
1172.65	**1187.30**	**FLT, Fault** Strong FLT, difficult to assess with amount of redrilled, broken, blocky core, as most pieces or fragments contain CHL within every sides. Some minor CHL mud gouge found on some sections of broken core with the one section of combination of crumbled FNOR and mud being ~15cm . Dip of FZ appears to be 50-55° tca. RQD within the FZ is <10% with only few pieces of core greater than 10 cm intact. Unit is within FNOR. No mineralization seen. **Alteration** 1172.65 - 1187.30 :CHL Chlorite, F Fracture Controlled, S Strong 1172.65 - 1187.30 :HE Hematite, F Fracture Controlled, W Weak **RQD** 1172.65 - 1187.00 : 17.00 % RQD 100.00 % Core FZ						
1187.30	**1231.40**	**SHR, Shear** Intense SHR within what appears to be laminated FNOR with might be thin sections of APL as well, difficult to tell due to the intensity of shearing. Dip of shearing is 50° tca. Unit is somewhat blocky with moderate CHL/HEM fractures throughout. **Alteration** 1187.30 - 1231.40 :CHL Chlorite, F Fracture Controlled, M Moderate 1187.30 - 1231.40 :HE Hematite, F Fracture Controlled, M Moderate						
1231.40	**1258.70**	**FLT, Fault** Large, intense FLT, difficult to assess with amount of redrilled, broken, blocky core, as most pieces or fragments contain CHL/HEM within every sides. Some small CHL mud gouge found throughout with the main gouge containing a combination of crumbled FNOR and CHL/HEM mud totaling ~3m . Dip of FZ appears to be 55-60° tca. RQD within the FZ is <10% with only few pieces of core greater than 10 cm intact. Unit is within the contact between FNOR and Onaping Breccia as previously intersected in hole T-062. No mineralization seen. **Alteration** 1231.40 - 1258.70 :CHL Chlorite, F Fracture Controlled, S Strong 1231.40 - 1258.70 :CHL Chlorite, FF Fracture Filling, S Strong 1231.40 - 1258.70 :HE Hematite, F Fracture Controlled, S Strong 1242.65 - 1258.70 :CHL Chlorite, P Pervasive, S Strong **RQD** 1233.00 - 1258.70 : 20.00 % RQD 100.00 % Core FZ **MINOR INTERVALS:** **Minor Interval:** 1242.65 - 1258.70 ONAP, Onaping Formation Onaping Formation (Grey Member)- Unit is choked with various sized (mm to several cm), jagged to sub-rounded fragments of several rock types (mafic, meta-sedimentary, sedimentary) within a sparse, blackish-green mafic matrix. Moderate CHL fractures + CARB FF dipping between 45-70°. No mineralization seen.						

Hole Number: **T-063**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
1258.70	**1272.20**	**ONAP, Onaping Formation** Onaping Formation (Grey Member)- Unit is choked with various sized (mm to several cm), jagged to sub-rounded fragments of several rock types (mafic, meta-sedimentary, sedimentary) within a sparse, blackish-green mafic matrix. Moderate CHL fractures + CARB FF dipping between 45-70°. No mineralization seen. **Alteration** 1258.70 - 1272.20 :CHL Chlorite, F Fracture Controlled, M Moderate 1258.70 - 1272.20 :CHL Chlorite, P Pervasive, M Moderate						
1272.20	**1367.30**	**FLT, Fault** Large, intense FLT zone, difficult to assess with amount of redrilled, broken, blocky core, as most pieces or fragments contain CHL within every sides. Moderate shearing throughot the FZ. No real 'main' gouge seen but several variable width (mm to 5cm thick) sections of CHL mud gouge found throughout. Dip of FZ appears to be 55-60° tca. RQD within the FZ is <10% with only few pieces of core greater than 10 cm intact. Unit is within Onaping Breccia. No mineralization seen. **RQD** 1272.20 - 1367.30 : 20.00 % RQD 100.00 % Core FZ						
1367.30	**1468.95**	**ONAP, Onaping Formation** Onaping Formation (Grey Member)- continuation of previous ONAP unit not much change, unit becomes more competent downhole. Unit becomes silicious and less greyish towards the end of the unit. Very sharp (30° tca) and distinct contact between the two formation members. Still unmineralized. **Structure** 1445.65 - 1451.20 : FLT Fault, 45.00 Deg to CA Small weakly sheared FLT with 10cm of recemented ONAP with CHL mud seams. Weak CARB tension gashing.						
1468.95	**1546.65**	**ONAP, Onaping Formation** Onaping Formation (Basal Member) - Strongly silicified, sub-rounded to almost jagged light beigy-green to white to light pink mostly Quartzite and Andesite fragments, within a sparce grey-green to taupe silicious matrix with very fine mica and fine PY occasionally seen. **Structure** 1534.50 - 1539.55 : FLT Fault, 50.00 Deg to CA Somewhat blocky, moderate to strongly chloritic FZ with 5cm of mud gouge as well as finer (<1cm) seams as well **MINOR INTERVALS:** **Minor Interval:** 1530.20 - 1531.50 DIKE, Dike Andesite dyke - Unit is taupey-grey to pinkish grey, apanitic, matrix rich with few sparce, jagged fragments of autobrecciated andesite, quartzite, and quartz pebbles. Unit has a distinct "flow" banding to it, dipping at 35-40° tca as well as very sharp and distinct contacts at the same dip. Weak py seen throughout.						
1546.65	**1556.45**	**DIKE, Dike** Andesite dyke - Unit is taupey-grey to pinkish grey, apanitic, matrix rich with few sparce, jagged fragments of autobrecciated andesite, quartzite, and quartz pebbles. Unit has a distinct "flow" banding to it, dipping at 25-30° tca as well as very sharp and distinct contacts at the same dip. No mineralization seen.						
1556.45	**1576.55**	**ONAP, Onaping Formation** Onaping Formation (Basal Member) - Strongly silicified, sub-rounded to almost jagged light beigy-green to white to light pink mostly Quartzite and Andesite fragments, within a sparce grey-green to taupe silicious matrix with very fine mica and fine py and small clasts of po occasionally seen.						

Hole Number: **T-063**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
1576.55	**1598.85**	**DIKE, Dike** Andesite dyke - Unit is taupey-grey to pinkish grey, apanitic, matrix rich with few sparce, jagged fragments of autobrecciated andesite, quartzite, and quartz pebbles. Unit has a distinct "flow" banding to it, dipping at 35-40° tca as well as very sharp and distinct contacts at the same dip. No mineralization seen.						
1598.85	**1734.60**	**ONAP, Onaping Formation** Onaping Formation (Basal Member) - No real major changes, slight increase in po mineralization seen in FF, small clasts and disseminated blebbs, but still nothing of great significance. **Structure** 1718.70 - 1722.20 : FLT Fault, 55.00 Deg to CA Small competent, rehealed FLT with 7cm of CARB infill gouge and weak carb tension gashes. 1729.50 - 1734.60 : FLT Fault, 45.00 Deg to CA Somewhat blocky, rehealed FLT with ~3cm of CARB infill with small CHL mud gouge seams and weak carb tension gashes **RQD** 1649.90 - 1650.30 : 0.00 % RQD 100.00 % Core Weak convex disking with 1-3cm disks and incipient disking as well. 1650.85 - 1651.25 : 0.00 % RQD 100.00 % Core Weak concave disking with 1-3cm disks and incipient disking as well. 1655.25 - 1656.50 : 0.00 % RQD 100.00 % Core Moderate convex disking with ½-2cm disks and incipient disking found as well.						
1734.60	**1797.80**	**ONAP, Onaping Formation** Onaping Formation (Basal Onaping Intrusive) - Unit is dark grey to greenish gray grey in color and begins as apanitic, matrix rich with few sparce, jagged fragments of andesite, quartzite, and quartz pebbles then progresses to a greenish-beige colored quartz/plagiocase rich matrix with fine dark green to greenish black pyroxene and amphiboles with sections of autobrecciation occuring occasionally, as well as few small granophyric sections appearing furthur downhole (see core photos tab). Minor spotty almost clast-like po appears occasionally. **Structure** 1763.70 - 1768.25 : SHR Shear, 30.00 Deg to CA Small, fairly competent SHR zone with moderate CARB tension gashes and weak CHL fractures **RQD** 1755.10 - 1758.55 : 0.00 % RQD 100.00 % Core Moderate convex disking with ½-2cm disks and incipient disking found as well.						
1797.80	**1811.30**	**SHR, Shear** Moderate SHR zone within Basal Onaping intrusion. SHR contains moderate CARB/CHL tension gashes. Unit is fairly competent, yet moderately sheared at 55° tca. No mineralization seen.						

SUDBURY INTEGRATED NICKEL OPERATIONS
A GLENCORE COMPANY

DETAILED LOG

Hole Number: **T-063**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
1811.30	**1821.00**	**ONAP, Onaping Formation** Onaping Formation (Basal Onaping Intrusive) - Unit becomes strongly Chloritic "flooded" after the SHR zone, both pervasively and in fractures and quite blocky due to the strong fracturing. Unit now begins to contain occasional, very distinct fragments of GRPH along with the dark greenish-beige colored quartz/plagiocase rich matrix with fine dark green to greenish black pyroxene and amphiboles. Minor FF/dusty py for the first 30cm of the unit appears to be the only mineralization seen. **Alteration** 1811.30 - 1821.00 :CHL Chlorite, F Fracture Controlled, S Strong 1811.30 - 1821.00 :CHL Chlorite, P Pervasive, S Strong **Structure** 1811.30 - 1821.00 : BLKY Blocky, 5.00 Deg to CA Blocky due to strongly CHL fractures at various angles.						
1821.00	**1821.01**	**EOH, End of Hole**						

SUDBURY INTEGRATED NICKEL OPERATIONS
A GLENCORE COMPANY

DETAILED LOG

Hole Number: **T-064**

Units: METRIC

Project Name:	FL SURFACE	Primary Coordinates	Grid: UTM:			Destination Coordinates	Grid: UTM:	Collar Dip:	-89.54
Project Number:	6227	North:	5145336.41			North:	5145336.41	Collar Az:	104.25
Location:	Surface	East:	462585.06			East:	462585.06	Length:	1,911.01
		Elev:	301.48			Elev:	301.48	Start Depth:	0.00
Date Started:	May 21, 2019	Collar Survey:	Y	Plugged:	N	Contractor:	FORACO CANADA LTD.	Final Depth:	1,911.01
Date Completed:	Jul 17, 2019	Multishot Survey:	Y	Hole Size:	NQ	Core Storage:	NIR		
Logged By:	Andre Taillefer	Pulse EM Survey:	Y	Casing:	Left in Hole				

Comments: Hole is targeting the regional 3-D AMT anomaly modelled on the Big Smoke Footwall panel

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	104.25	-89.54	G	OK	Start of T-064 Gyro	**10.00**	159.08	-89.95	G	OK	
20.00	189.24	-89.92	G	OK		**30.00**	211.94	-89.86	G	OK	
33.00	211.20	-89.80	EZ		mag 54183	**40.00**	224.27	-89.86	G	OK	
50.00	233.86	-89.87	G	OK		**60.00**	246.48	-89.94	G	OK	
70.00	262.48	-89.84	G	OK		**80.00**	288.50	-89.84	G	OK	
84.00	228.40	-89.80	EZ		mag 55390	**90.00**	305.11	-89.89	G	OK	
100.00	305.85	-89.85	G	OK		**110.00**	314.54	-89.74	G	OK	
120.00	318.93	-89.74	G	OK		**130.00**	313.20	-89.67	G	OK	
135.00	303.30	-89.80	EZ		mag 55521	**140.00**	317.50	-89.50	G	OK	
150.00	322.67	-89.56	G	OK		**160.00**	324.47	-89.40	G	OK	
170.00	325.22	-89.39	G	OK		**180.00**	325.40	-89.21	G	OK	
186.00	331.40	-89.50	EZ		mag 55530	**190.00**	325.82	-89.14	G	OK	
200.00	323.78	-89.05	G	OK		**210.00**	324.00	-89.14	G	OK	
220.00	322.90	-88.99	G	OK		**230.00**	322.03	-89.00	G	OK	
237.00	323.60	-89.10	EZ		mag 55359	**240.00**	321.08	-88.97	G	OK	
250.00	319.21	-88.92	G	OK		**260.00**	316.75	-88.81	G	OK	
270.00	311.39	-88.85	G	OK		**280.00**	308.36	-88.64	G	OK	
288.00	320.30	-89.60	EZ		mag 40439	**290.00**	306.26	-88.62	G	OK	
300.00	305.26	-88.52	G	OK		**310.00**	304.00	-88.63	G	OK	
320.00	303.22	-88.47	G	OK		**330.00**	301.99	-88.45	G	OK	
339.00	302.40	-88.50	EZ		mag 54338	**340.00**	300.83	-88.35	G	OK	
350.00	299.93	-88.34	G	OK		**360.00**	298.69	-88.29	G	OK	
370.00	297.48	-88.36	G	OK		**380.00**	296.97	-88.20	G	OK	
390.00	295.62	-88.12	G	OK		**400.00**	295.78	-88.19	G	OK	
410.00	294.83	-87.96	G	OK		**420.00**	294.18	-88.03	G	OK	

Hole Number: **T-064** Units: METRIC

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
430.00	293.83	-87.93	G	OK		**440.00**	293.81	-87.98	G	OK	
441.00	292.70	-88.00	EZ		mag 53752	**450.00**	294.85	-87.90	G	OK	
460.00	294.10	-87.85	G	OK		**470.00**	295.91	-87.87	G	OK	
480.00	297.65	-87.68	G	OK		**490.00**	296.29	-87.69	G	OK	
492.00	292.20	-87.80	EZ		mag 56060	**500.00**	295.61	-87.61	G	OK	
510.00	297.83	-87.59	G	OK		**520.00**	299.39	-87.62	G	OK	
530.00	298.64	-87.57	G	OK		**540.00**	298.46	-87.54	G	OK	
543.00	297.50	-87.70	EZ		mag 54937	**550.00**	298.93	-87.55	G	OK	
560.00	299.21	-87.52	G	OK		**570.00**	299.58	-87.51	G	OK	
580.00	300.73	-87.57	G	OK		**590.00**	300.67	-87.57	G	OK	
594.00	300.70	-87.70	EZ		mag 54384	**600.00**	301.19	-87.51	G	OK	
610.00	304.46	-87.32	G	OK		**620.00**	305.76	-87.29	G	OK	
630.00	306.82	-87.25	G	OK		**640.00**	308.05	-87.29	G	OK	
648.00	307.30	-87.40	EZ		mag 54838	**650.00**	308.59	-87.23	G	OK	
660.00	309.54	-87.24	G	OK		**670.00**	310.02	-87.24	G	OK	
680.00	311.05	-87.19	G	OK		**690.00**	312.03	-87.12	G	OK	
696.00	311.40	-87.20	EZ		mag 55548	**700.00**	312.30	-87.12	G	OK	
710.00	313.34	-87.15	G	OK		**720.00**	313.54	-87.16	G	OK	
730.00	313.51	-87.13	G	OK		**740.00**	313.70	-87.12	G	OK	
750.00	313.06	-87.11	G	OK		**760.00**	313.75	-87.10	G	OK	
770.00	314.82	-87.11	G	OK		**780.00**	315.64	-87.09	G	OK	
790.00	315.97	-87.04	G	OK		**798.00**	313.90	-87.20	EZ		mag 55621
800.00	316.62	-87.02	G	OK		**810.00**	316.78	-86.98	G	OK	
820.00	317.62	-86.95	G	OK		**830.00**	317.60	-86.94	G	OK	
840.00	318.33	-86.90	G	OK		**849.00**	317.10	-87.10	EZ		mag 55641
850.00	318.05	-86.91	G	OK		**860.00**	318.35	-86.85	G	OK	
870.00	318.05	-86.84	G	OK		**880.00**	318.45	-86.82	G	OK	
890.00	320.02	-86.86	G	OK		**900.00**	320.30	-86.82	G	OK	
903.00	318.80	-87.00	EZ		mag 55291	**910.00**	321.51	-86.84	G	OK	
920.00	321.46	-86.84	G	OK		**930.00**	321.46	-86.80	G	OK	
940.00	321.98	-86.78	G	OK		**950.00**	322.27	-86.76	G	OK	
954.00	320.20	-86.80	EZ		mag 55418	**960.00**	323.28	-86.68	G	OK	
970.00	323.36	-86.68	G	OK		**980.00**	324.02	-86.65	G	OK	
990.00	324.33	-86.62	G	OK		**1000.00**	323.65	-86.61	G	OK	

Hole Number: **T-064**

Units: METRIC

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
1005.00	324.60	-86.70	EZ		mag 55353	**1010.00**	323.74	-86.65	G	OK	
1020.00	323.18	-86.61	G	OK		**1030.00**	322.65	-86.60	G	OK	
1040.00	323.08	-86.57	G	OK		**1050.00**	322.62	-86.55	G	OK	
1056.00	322.90	-86.50	EZ		mag 56269	**1060.00**	323.29	-86.53	G	OK	
1070.00	323.43	-86.56	G	OK		**1080.00**	323.87	-86.57	G	OK	
1090.00	324.47	-86.57	G	OK		**1100.00**	325.62	-86.54	G	OK	
1107.00	326.30	-86.60	EZ		mag 56257	**1110.00**	326.89	-86.56	G	OK	
1120.00	327.45	-86.57	G	OK		**1130.00**	329.25	-86.73	G	OK	
1140.00	329.55	-86.79	G	OK		**1150.00**	329.36	-86.80	G	OK	
1160.00	328.28	-86.76	G	OK		**1170.00**	328.19	-86.76	G	OK	
1180.00	329.58	-86.70	G	OK		**1190.00**	330.48	-86.67	G	OK	
1200.00	330.70	-86.66	G	OK		**1210.00**	330.60	-86.73	G	OK	
1220.00	331.88	-86.76	G	OK		**1230.00**	332.23	-86.77	G	OK	
1240.00	332.28	-86.79	G	OK		**1250.00**	332.36	-86.83	G	OK	
1260.00	332.10	-86.80	G	OK		**1260.00**	332.50	-86.80	EZ		mag 56254
1270.00	332.55	-86.80	G	OK		**1280.00**	332.33	-86.77	G	OK	
1290.00	334.22	-86.77	G	OK		**1300.00**	334.86	-86.73	G	OK	
1310.00	335.88	-86.78	G	OK		**1311.00**	331.70	-86.90	EZ		mag 56181
1320.00	336.08	-86.76	G	OK		**1330.00**	334.40	-86.77	G	OK	
1340.00	334.84	-86.73	G	OK		**1350.00**	336.18	-86.76	G	OK	
1360.00	336.23	-86.73	G	OK		**1370.00**	337.00	-86.67	G	OK	
1380.00	337.10	-86.68	G	OK		**1390.00**	338.48	-86.63	G	OK	
1400.00	337.65	-86.67	G	OK		**1410.00**	339.33	-86.63	G	OK	
1420.00	340.57	-86.61	G	OK		**1430.00**	340.30	-86.51	G	OK	
1440.00	340.36	-86.38	G	OK		**1450.00**	339.73	-86.28	G	OK	
1460.00	341.11	-86.24	G	OK		**1470.00**	341.09	-86.32	G	OK	
1480.00	340.87	-86.32	G	OK		**1490.00**	340.99	-86.32	G	OK	
1500.00	342.73	-86.35	G	OK		**1510.00**	341.73	-86.32	G	OK	
1520.00	342.21	-86.25	G	OK		**1530.00**	342.54	-86.28	G	OK	
1540.00	343.30	-86.33	G	OK		**1550.00**	343.23	-86.35	G	OK	
1560.00	343.55	-86.36	G	OK		**1570.00**	344.27	-86.40	G	OK	
1580.00	345.01	-86.34	G	OK		**1590.00**	344.74	-86.29	G	OK	
1600.00	343.76	-86.31	G	OK		**1610.00**	344.69	-86.32	G	OK	
1620.00	344.72	-86.31	G	OK		**1630.00**	346.92	-86.32	G	OK	

Hole Number: **T-064** Units: METRIC

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
1640.00	346.92	-86.34	G	OK		**1650.00**	347.39	-86.34	G	OK	
1660.00	347.42	-86.39	G	OK		**1670.00**	345.82	-86.38	G	OK	
1680.00	345.46	-86.41	G	OK		**1690.00**	345.42	-86.44	G	OK	
1700.00	346.08	-86.46	G	OK		**1710.00**	347.07	-86.47	G	OK	
1720.00	346.40	-86.50	G	OK		**1730.00**	348.52	-86.49	G	OK	
1740.00	349.16	-86.53	G	OK		**1750.00**	350.12	-86.48	G	OK	
1760.00	350.15	-86.55	G	OK		**1770.00**	348.79	-86.58	G	OK	
1780.00	350.47	-86.56	G	OK		**1790.00**	350.26	-86.57	G	OK	
1800.00	349.95	-86.61	G	OK		**1810.00**	351.20	-86.66	G	OK	
1820.00	352.36	-86.61	G	OK		**1830.00**	351.49	-86.56	G	OK	
1840.00	350.99	-86.56	G	OK		**1850.00**	351.39	-86.56	G	OK	
1860.00	350.67	-86.49	G	OK		**1870.00**	352.27	-86.52	G	OK	
1880.00	352.88	-86.50	G	OK		**1890.00**	352.96	-86.57	G	OK	
1900.00	353.48	-86.54	G	OK		**1906.00**	351.36	-86.55	G	OK	End of T-064 gyro

Detailed Lithology

From	To	Lithology	Assay Data: Sample #	From	To	Length	Ni %	Cu %
0.00	**6.00**	**CAS, Casing**						
6.00	**51.00**	**GRPH, Granophyre** Unit is medium grained, somewhat equigranular, salmon to brick red colored felsic groundmass with dark green to greenish black pyroxene and creamy white plagioclase feldspars. No mineralization						
51.00	**206.00**	**TRZN, Transition Zone** Medium to coarse grained, fairly massive, light greyish-pink felsic groundmass with euhedral to lathy feldspars, green to greenish black pyroxene and creamy white plagioclase. No mineralization						
206.00	**222.20**	**DIKE, Dike** DYKE - Strong pervasive Hem/Ep alteration, moderate patchy Ep. intrusive dyke with distinct contacts. Unit contains well to sub-rounded fragments of GRPH, mafics, NOR? and plag within a fine grained, light grey-pinkish matrix of slight DIOR appearance.						
222.20	**254.00**	**TRZN, Transition Zone** Medium to coarse grained, fairly massive, light greyish-pink felsic groundmass with euhedral to lathy feldspars, green to greenish black pyroxene and creamy white plagioclase. No mineralization						
254.00	**257.00**	**FLT, Fault** FLT - Brittle, hem & Chl alteration, weak gouge. contact angle appears to be at 50 TCA						
257.00	**391.10**	**TRZN, Transition Zone** Medium to coarse grained, fairly massive, light greyish-pink felsic groundmass with euhedral to lathy feldspars, green to greenish black pyroxene and creamy white plagioclase. No mineralization						

Hole Number: **T-064**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
391.10	**401.90**	**LGBX, Late Granite Breccia** Intrusive, brecciated dyke with sharp contacts (50° top, 55° bottom). Unit contains well to sub-rounded fragments of GRPH, mafics, NOR? and plag within a fine grained, light grey-pinkish matrix with a slight LGBX appearance. Weak py mineralization (~1-2%) associated with EPI FF. Moderate CHL/HEM fractures dipping between 20-60° tca						
401.90	**445.80**	**TRZN, Transition Zone** Same as previous TRZN units						
445.80	**458.85**	**FLT, Fault** Rehealed, competent FZ with weak to moderate CARB tension gashes within weakly sheared TRZN. Recrystallized gouge consists of 4cm of CARB/CHL infill with a dip of 60° tca. No mud gouge seen. No remobilized mineralization seen.						
458.85	**470.70**	**TRZN, Transition Zone** Continuation of previous TRZN						
470.70	**484.40**	**FLT, Fault** Rehealed, competent FZ with weak CARB tension gashes within sheared TRZN. Few sections of what appears to be possible infill dykes or where the unit was stripped of it's fabric but due to strong pervasive HEM difficult to assess. Recrystallized gouge consists of 12cm of CARB/HEM infill with some CHL seams at a dip of 55° tca. No mud gouge seen. No remobilized mineralization seen.						
484.40	**497.35**	**TRZN, Transition Zone** Medium to coarse grained, fairly massive, light greyish-pink felsic groundmass with euhedral to lathy feldspars, green to greenish black pyroxene and creamy white plagioclase. No mineralization **MINOR INTERVALS:** **Minor Interval:** 487.85 - 490.60 DIA, Diabase Small sections of DIA with trapped TRZN blocks (sharp undulating contacts)						
497.35	**508.75**	**FLT, Fault** Competent, moderately sheared FZ with 2cm of HEM/CHL mud gouge with other smaller (mm thick) seams as well, dipping at 55° with sections of CHL flooding/ SHR infill with moderate CARB/HEM tension gashes. Minor py seen.						
508.75	**529.30**	**TRZN, Transition Zone** Continuation of previous TRZN no changes **Structure** 518.00 - 521.85 : FLT Fault, 15.00 Deg to CA Small FLT zone with moderate CHL slickens containing ~2mm of HEM mud gouge with moderate shearing throughout.						
529.30	**543.40**	**SHR, Shear** Large competent SHR zone with weak to moderate chloritized shearing throughout as well as weak CARB tension gashes.. Dip of SHR is 30° tca. No remobilized mineralization seen.						
543.40	**574.45**	**TRZN, Transition Zone** Continuation of previous TRZN no changes **Structure** 553.40 - 560.40 : FLT Fault, 30.00 Deg to CA FZ with moderate shearing throughout. Gouge consists of 3cm of sheared TRZN fragments/pink CARB/CHL with pink CARB tension gashes 563.00 - 566.00 : FLT Fault, 30.00 Deg to CA Small FZ with moderate shearing throughout. Gouge infill consists of 7cm of sheared TRZN fragments/pink CARB/CHL and QTZ pebbles with weak CARB tension gashes						

Hole Number: **T-064**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
574.45	**597.40**	**SHR, Shear** Large competent SHR zone with moderate chloritized shearing throughout as well as moderate CARB tension gashes mostly towards the end of the zone. Dip of SHR is 55° tca. No remobilized mineralization seen.						
597.40	**634.75**	**TRZN, Transition Zone** Medium to coarse grained, fairly massive, light greyish-pink felsic groundmass with euhedral to lathy feldspars, green to greenish black pyroxene and creamy white plagioclase. No mineralization						
634.75	**636.60**	**LGBX, Late Granite Breccia** Intrusive, LGBX with sharp undulating contacts. Unit contains well to sub-rounded fragments of GRPH, mafics, NOR? and plag within a fine grained, orangey to light grey-pinkish matrix with a slight LGBX appearance. Moderate CHL/HEM fractures dipping between 20-60° tca. No mineralization **Alteration** 634.75 - 636.60 :HE Hematite, P Pervasive, S Strong						
636.60	**640.85**	**APL, Aplite Dike** Pinkey-Orange colored, fine, sugary textured APL dyke. Weakly sheared throughout with sharp contacts 65° top and 80° bottom **Alteration** 636.60 - 640.85 :HE Hematite, P Pervasive, S Strong						
640.85	**728.25**	**TRZN, Transition Zone** Continuation of previous TRZN, no major changes **Alteration** 656.40 - 662.40 :EP Epidote, INT Interstitial, M Moderate 656.40 - 662.40 :CHL Chlorite, P Pervasive, M Moderate **Structure** 640.86 - 643.55 : SHR Shear, 50.00 Deg to CA Weak shearing after intrusive dyke 683.75 - 688.95 : FLT Fault, 40.00 Deg to CA FZ with moderate shearing throughout. Gouge infill consists of 40cm of sheared TRZN fragments/pink CARB/CHL and QTZ pebbles with CHL tension gashes 693.50 - 700.10 : SHR Shear, 65.00 Deg to CA SHR zone with weak to moderate chloritized shearing throughout as well as strong pervasive HEM throughtout. Small brecciated dyke appears between 698.85-699.3. No remobilized mineralization seen. **MINOR INTERVALS:** **Minor Interval:** 698.85 - 699.30 LGBX, Late Granite Breccia Small, intrusive, LGBX with sharp undulating contacts. Unit contains well to sub-rounded fragments of GRPH, mafics, NOR? and plag within a fine grained, orangey to light grey-pinkish matrix with a slight LGBX appearance. No mineralization, **Minor Interval:** 712.40 - 712.90 LGBX, Late Granite Breccia Small, intrusive, LGBX with sharp undulating contacts. Unit contains well to sub-rounded fragments of GRPH, mafics, NOR? and plag within a fine grained, orangey to light grey-pinkish matrix with a slight LGBX appearance. No mineralization						

Hole Number: **T-064**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
728.25	**863.70**	**FNOR, Felsic Norite** Unit is massive, leucocratic to mesocratic, medium grained, equigranular with beigy-white, tabular plagioclase and sub-rounded granophyre or quartz, as well as dark green to greenish black pyroxene, potassic feldspar and biotite. No mineralization. **Structure** 764.50 - 768.30 : FLT Fault, 75.00 Deg to CA Small, but intense rehealed FLT with 65cm of strongly sheared QTZ/APL/FNOR/CARB/CHL infill with CHL slickenside fractures as well. **MINOR INTERVALS:** **Minor Interval:** 730.70 - 731.40 APL, Aplite Dike Typical beigey/taupe colored, sugary textured, with partially consumed contacts. Weakly sheared. Minor disseminated py. **Minor Interval:** 760.25 - 761.45 LGBX, Late Granite Breccia Small, intrusive, LGBX with sharp undulating contacts. Unit contains well to sub-rounded fragments of GRPH, mafics, NOR? and plag within a fine grained, orangey to light grey-pinkish matrix with a slight LGBX/APL appearance. No mineralization **Minor Interval:** 842.05 - 842.55 APL, Aplite Dike Typical beigey/taupe colored, sugary textured, with sharp contacts (40° T, 15° B). Weakly sheared bottom contact. **Minor Interval:** 848.15 - 850.15 APL, Aplite Dike Typical beigey/taupe colored, sugary textured, with sharp contacts (85° T, 70° B). Strongly sheared bottom contact.						
863.70	**877.55**	**FLT, Fault** SHR zone with weak to moderate CHL/QTZ/CARB shearing sections throughout as well as strong pervasive HEM throughtout the zone. Small APL dyke appears between 874.25-876.2 possibly being the root cause of the structure. No remobilized mineralization seen. **MINOR INTERVALS:** **Minor Interval:** 874.25 - 876.20 APL, Aplite Dike Weakly sheared throughout, beige colored, sugary textured, with partially consumed, sheared contacts.						
877.55	**1088.10**	**FNOR, Felsic Norite** Continuation of previous FNOR **Structure** 1045.50 - 1047.80 : FLT Fault, 30.00 Deg to CA Small, rehealed FLT with 15cm of strongly sheared CARB/QTZ/FNOR/CHL infill with minor CHL slickenside fractures as well.						

Hole Number: **T-064**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
1088.10	**1105.60**	**FLT, Fault** Competent, moderately sheared FZ with several mm thick HEM/CHL mud gouge seams dipping at 25° with sections of CHL/HEM flooding/ SHR infill with moderate CARB/HEM tension gashes. FLT zone occurs within contact with FNOR/breccia dyke. Minor py seen. **Alteration** 1088.10 - 1105.60 :HE Hematite, P Pervasive, S Strong **MINOR INTERVALS:** **Minor Interval:** 1100.05 - 1105.60 LGBX, Late Granite Breccia Intrusive, LGBX with sharp undulating contacts. Unit contains well to sub-rounded fragments of GRPH, mafics, NOR? and plag within a fine grained, orangey to light grey-pinkish matrix with a slight LGBX appearance. No mineralization,						
1105.60	**1118.50**	**LGBX, Late Granite Breccia** Continuation of LGBX, without faulting present, moderate CHL/HEM fractures and still strong pervasive HEM throughout. **Alteration** 1105.60 - 1118.50 :HE Hematite, P Pervasive, S Strong						
1118.50	**1135.05**	**FNOR, Felsic Norite** Unit is leucocratic to mesocratic, medium grained, equigranular, tabular plagioclase and sub-rounded granophyre or quartz, as well as dark green to greenish black pyroxene, potassic feldspar and biotite. Unit is slightly deceiving due to strong pervasive/interstitial HEM throughout rendering everything pinky-orange. No mineralization. **Alteration** 1118.50 - 1135.05 :HE Hematite, P Pervasive, S Strong						
1135.05	**1146.50**	**SHR, Shear** SHR zone caused by intrusive breccia dyke (1136.65-1145.4). Unit is slightly blocky due to strong CHL/HEM fractures with strong slickensides on fracture face. Dip of SHR appears to be 25° tca. No mineralization seen. **Alteration** 1135.05 - 1146.50 :HE Hematite, P Pervasive, S Strong **MINOR INTERVALS:** **Minor Interval:** 1136.65 - 1145.40 LGBX, Late Granite Breccia Intrusive, sheared, LGBX with sharp undulating contacts. Unit contains well to sub-rounded fragments of GRPH, mafics, NOR? and plag within a fine grained, orangey to light grey-pinkish matrix with a slight LGBX appearance. No mineralization						
1146.50	**1155.30**	**FNOR, Felsic Norite** Small section of relatively competent FNOR without any structure within. Unit is same as previous FNOR with strong pervasive HEM throughout. **Alteration** 1146.50 - 1155.30 :HE Hematite, P Pervasive, S Strong						
1155.30	**1165.45**	**FLT, Fault** Blocky, rehealed FLT zone with main gouge containing ~50cm of vuggy QTZ/CARB infill at a dip of 40° tca with mm thick mud gouge seams seen before and after main gouge. FZ is within weakly to moderately sheared FNOR **Alteration** 1155.30 - 1162.00 :HE Hematite, P Pervasive, S Strong						

Hole Number: **T-064**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
1165.45	**1262.90**	**FNOR, Felsic Norite** Typical FNOR in composition, but unit begins to be sheared up after 1183m with sections of CARB infill/tension gashes, as well as small (< 30cm) pinkish APL dikes appearing as well. **Structure** 1196.50 - 1200.10 : FLT Fault, 30.00 Deg to CA Small FLT zone with moderate CHL slickens containing ~2mm mud gouge with moderate shearing throughout. Minor py seen. 1214.90 - 1221.65 : SHR Shear, 30.00 Deg to CA SHR zone possibly caused by APL dyke intrusion, shearing is weak to moderate with weak CARB/CHL/HEM tension gashes. 1256.60 - 1262.90 : SHR Shear, 40.00 Deg to CA Moderate to strong shearing found throughout the interval. Small BX Dyke and APL found within zone. **MINOR INTERVALS:** **Minor Interval:** 1217.25 - 1219.20 APL, Aplite Dike Pinkey-Orange colored, fine, sugary textured APL dyke. Weakly sheared throughout with top contact being sheared at 25° tca and bottom sharp but undulating. **Minor Interval:** 1260.05 - 1260.60 LGBX, Late Granite Breccia Small LGBX unit, weakly sheared, moderate pervasive HEM.						
1262.90	**1270.10**	**APL, Aplite Dike** Pinkey-Orange colored, fine, sugary textured APL dyke. Moderately sheared throughout with faulting found as well. Top and bottom contacts sheared at 40° tca. Strong HEM/CHL/EPI FF (tension gashes throughout. **Structure** 1262.90 - 1269.20 : FLT Fault, 40.00 Deg to CA Fairly competent FZ found throughout the APL dyke with moderate shearing throughout and 2cm of mud gouge as well as smaller mm sized mud seems found. 1269.20 - 1270.10 : FLT Fault, 15.00 Deg to CA Shallow dipping, blocky due to cross cutting sharper angled CHL fractures. Several mm thick gouge seams found throughout with the largest being 5-7mm thick.						
1270.10	**1290.95**	**LGBX, Late Granite Breccia** Sheared, faulted, LGBX with sharp contacts (40° T, Broken at bottom). Unit contains well to sub-rounded fragments of mafics, norites and DIA with minor small SDBX veins within a fine to medium grained, orangey to light grey-pinkish felsic matrix with a slight LGBX appearance. Strong pervasive HEM throughout. No mineralization. **Alteration** 1270.10 - 1290.95 :EP Epidote, PCH Patchy, M Moderate 1270.10 - 1290.95 :CHL Chlorite, FF Fracture Filling, S Strong 1270.10 - 1290.95 :HE Hematite, FF Fracture Filling, M Moderate						

Hole Number: **T-064** Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
1290.95	**1300.40**	**DIA, Diabase** Small sheared DIA with dark green to blackish green in color with fine cream to lime green phenocrysts peppered throughout, fine grained, with blocks of partially consumed felsic? material. Sharp undulating. Weak fine dusty py found towards the bottom of unit **Alteration** 1290.95 - 1300.40 :CHL Chlorite, F Fracture Controlled, S Strong **Structure** 1290.95 - 1300.40 : SHR Shear, 45.00 Deg to CA DIA unit is moderately sheared and blocky throughout.						
1300.40	**1385.00**	**LGBX, Late Granite Breccia** Continuation of previous LGBX unit, no structures observed, moderate CHL/HEM fractures throughout, same strong pervasive HEM throughout. Small SDBX veins begin to appear. **Alteration** 1300.40 - 1385.00 :CHL Chlorite, F Fracture Controlled, M Moderate 1300.40 - 1385.00 :HE Hematite, FF Fracture Filling, M Moderate						
1385.00	**1404.30**	**FLT, Fault** Rehealed, slightly blocky FZ with weak to moderate CARB tension gashes within several contacts between strongly sheared LGBX with two strongly sheared Diabase dykes and strongly sheared GR. Recrystallized gouge consists of 10cm of QTZ/CARB infill with some CHL/HEM seams at a dip of 45° tca. Occasional fine mm thick mud gouge seen. Strong EPI/CHL FF tension gashing after main gouge. Weak dusty py mineralization seen. **Alteration** 1385.00 - 1404.30 :Carb Carbonate, FF Fracture Filling, M Moderate 1385.00 - 1404.30 :CHL Chlorite, F Fracture Controlled, M Moderate 1385.00 - 1404.30 :HE Hematite, FF Fracture Filling, M Moderate 1394.40 - 1404.30 :EP Epidote, FF Fracture Filling, S Strong **MINOR INTERVALS:** **Minor Interval:** 1385.20 - 1386.20 DIA, Diabase Strongly sheared/chloritic DIA with sharp irregular contacts **Minor Interval:** 1387.95 - 1392.80 DIA, Diabase Strongly sheared/chloritic DIA with sharp irregular contacts **Minor Interval:** 1392.80 - 1393.10 APL, Aplite Dike Pinkey-Orange colored, fine, sugary textured APL dyke. Moderately sheared throughout. **Minor Interval:** 1393.10 - 1404.30 GR, Granite Unit is beige-pink-salmon in color, medium grained, with dark green to greenish black pyroxene and porphyroblasted, creamy white plagioclase. Strongly sheared with moderate EPI FF throughout. Fine dusty py mineralization throughout.						

Hole Number: **T-064** Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
1404.30	**1420.15**	**GR, Granite** Unit is beige-pink-salmon in color, medium grained, with dark green to greenish black pyroxene and porphyroblasted, creamy white plagioclase. Weakly sheared with moderate EPI FF throughout. Fine dusty py mineralization throughout. **Alteration** 1404.30 - 1420.15 :EP Epidote, FF Fracture Filling, M Moderate 1404.30 - 1420.15 :HE Hematite, F Fracture Controlled, M Moderate **Structure** 1404.30 - 1420.15 : SHR Shear, 45.00 Deg to CA Weakly to moderately sheared throughout.						
1420.15	**1427.45**	**DIA, Diabase** Small sheared DIA with dark green to blackish green in color with fine cream to lime green phenocrysts peppered throughout, fine grained, with blocks of partially consumed GR material. Sharp contacts 30° (top), 45° (bottom). Weak fine dusty py found throughout.						
1427.45	**1444.75**	**GR, Granite** Continuation of previous GR, same litho, sheared, small DIA found between 1442.35-1444.1						
1444.75	**1461.65**	**FLT, Fault** Moderately to strongly sheared, thrust FZ shearing off the GR and thrusting a GRPH unit into place. FZ is somewhat blocky and contains ~10-12 cm of CHL mud gouge. Dip of gouge appears to be 65° tca. Moderate CHL fracturing throughout. No remobilized mineralization seen. **Alteration** 1444.75 - 1461.65 :CHL Chlorite, F Fracture Controlled, M Moderate **MINOR INTERVALS:** **Minor Interval:** 1444.75 - 1451.85 GR, Granite **Minor Interval:** 1451.85 - 1461.65 GRPH, Granophyre Moderately SHRed, medium grained, sparse salmon to brick red colored felsic groundmass at first with unit containing mostly dark green to greenish black pyroxene and few creamy white plagioclase feldspars. Moderate pervasive CHL flooding. No mineralization. **Alteration** 1452.70 - 1461.65 :CHL Chlorite, P Pervasive, M Moderate						
1461.65	**1474.95**	**GRPH, Granophyre** Unit is fine to medium grained, somewhat equigranular, salmon to brick red colored felsic groundmass with dark green to greenish black pyroxene and creamy white plagioclase feldspars. No mineralization **Alteration** 1461.65 - 1461.65 :Carb Carbonate, FF Fracture Filling, W Weak						
1474.95	**1483.80**	**FLT, Fault** Blocky, weakly SHRed, moderately chloritic FZ with ~5cm CHL/ground GRPH mud gouge dipping at 50° tca						

Hole Number: **T-064** Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
1483.80	**1911.00**	**GRPH, Granophyre** Continuation of previous GRPH, large blocky section due to moderate to strong CHL fractures between 1499.45-1539.0, unit appears like normal GRPH after the blocky section with less CHL affecting appearance. Between 1611-1696 unit becomes pervasive CHL "flooded" again, losing the brick red phenocrysts and giving them a lime green appearance. **Alteration** 1499.45 - 1539.00 :CHL Chlorite, F Fracture Controlled, S Strong Causing blocky ground/poor RQD 1611.00 - 1696.00 :CHL Chlorite, P Pervasive, M Moderate **Structure** 1499.45 - 1539.00 : BLKY Blocky, 45.00 Deg to CA No gouge seen or much shearing, minor CARB FF further aggravating RQD 1767.75 - 1768.65 : FLT Fault, 55.00 Deg to CA Small rehealed FLT with 5cm of CARB/CHL infill and minor CHL fractures 1859.80 - 1867.30 : SHR Shear, 40.00 Deg to CA Blocky, weak shear zone with moderate CHL fracturing throughout and weak CARB tension gashes as well **RQD** 1499.45 - 1539.00 : 10.00 % RQD 100.00 % Core Large blocky zone due to strong CHL fracturing throughout 1620.00 - 1632.00 : 40.00 % RQD 100.00 % Core Blocky due to multiple consecutive CHL fractures throughout. 1732.35 - 1732.70 : 0.00 % RQD 100.00 % Core Moderate convex disking with ½-2cm disks and incipient disking found as well. 1756.70 - 1758.40 : 0.00 % RQD 100.00 % Core Weak concave disking with disks 1-3cm thick and incipient disking and weak CHL fractures as well. 1760.30 - 1762.60 : 0.00 % RQD 100.00 % Core Weak concave disking with disks 1-3cm thick and incipient disking and weak CHL fractures as well. 1818.40 - 1818.95 : 0.00 % RQD 100.00 % Core Moderate convex disking with ½-2cm disks and incipient disking found as well. 1820.85 - 1824.25 : 0.00 % RQD 100.00 % Core Moderate convex disking with ½-2cm disks and incipient disking found as well. 1826.25 - 1827.60 : 0.00 % RQD 100.00 % Core Moderate concave disking with ½-2cm disks and incipient disking found as well. 1828.20 - 1829.00 : 0.00 % RQD 100.00 % Core Weak convex disking with disks 1-3cm thick and incipient disking as well. 1830.15 - 1830.50 : 0.00 % RQD 100.00 % Core Weak concave disking with disks 1-3cm thick and incipient disking as well. 1838.25 - 1839.20 : 0.00 % RQD 100.00 % Core Weak concave disking with disks 1-3cm thick and incipient disking as well. 1839.20 - 1840.00 : 0.00 % RQD 100.00 % Core Weak convex disking with disks 1-3cm thick and incipient disking as well. 1851.50 - 1852.00 : 0.00 % RQD 100.00 % Core Weak concave disking with disks 1-3cm thick and incipient disking as well.						

SUDBURY INTEGRATED NICKEL OPERATIONS
A GLENCORE COMPANY

DETAILED LOG

Hole Number: **T-064**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
1911.00	**1911.01**	**EOH, End of Hole**						

SUDBURY INTEGRATED NICKEL OPERATIONS
A GLENCORE COMPANY

DETAILED LOG

Hole Number: **T-065**

Units: METRIC

Project Name:	FL SURFACE	Primary Coordinates	Grid: UTM:			Destination Coordinates	Grid: UTM:	Collar Dip:	-86.38
Project Number:	6227	North:	5145294.39			North:	5145294.39	Collar Az:	260.17
Location:	Surface	East:	463520.37			East:	463520.37	Length:	2,025.01
		Elev:	348.71			Elev:	348.71	Start Depth:	0.00
Date Started:	Aug 29, 2019	Collar Survey:	Y	Plugged:	N	Contractor:	FORACO CANADA LTD.	Final Depth:	2,025.01
Date Completed:	Nov 10, 2019	Multishot Survey:	Y	Hole Size:	NQ	Core Storage:	NIR		
Logged By:	Sabrina Sterner, Andre Taillefer	Pulse EM Survey:	Y	Casing:	Left in Hole				

Comments: Targeting a conductive UTEM geophysical anomaly south of T-063 and modeled on the footwall contact

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	260.17	-86.38	G	OK	Start of T-065 gyro	**10.00**	258.76	-86.29	G	OK	
15.00	256.80	-86.60	EZ		mag 55195	**20.00**	259.77	-86.28	G	OK	
27.00	261.10	-86.40	EZ		mag 55559	**30.00**	261.60	-86.23	G	OK	
40.00	262.19	-86.20	G	OK		**50.00**	262.52	-86.19	G	OK	
60.00	262.96	-86.21	G	OK		**70.00**	264.68	-86.24	G	OK	
78.00	262.00	-86.60	EZ		mag 55610	**80.00**	266.21	-86.24	G	OK	
90.00	268.30	-86.25	G	OK		**100.00**	269.69	-86.25	G	OK	
110.00	272.27	-86.22	G	OK		**120.00**	273.94	-86.30	G	OK	
129.00	275.20	-86.40	EZ		mag 55539	**130.00**	274.55	-86.33	G	OK	
140.00	275.50	-86.32	G	OK		**150.00**	276.60	-86.31	G	OK	
160.00	278.07	-86.32	G	OK		**170.00**	278.83	-86.36	G	OK	
177.00	279.70	-86.60	EZ		mag 55793	**180.00**	280.26	-86.39	G	OK	
190.00	282.78	-86.39	G	OK		**200.00**	286.20	-86.39	G	OK	
210.00	288.31	-86.41	G	OK		**220.00**	291.27	-86.41	G	OK	
230.00	292.41	-86.39	G	OK		**237.00**	294.10	-86.60	EZ		mag 55659
240.00	295.20	-86.35	G	OK		**250.00**	297.23	-86.34	G	OK	
260.00	298.19	-86.34	G	OK		**270.00**	299.38	-86.33	G	OK	
280.00	300.17	-86.33	G	OK		**288.00**	298.40	-87.10	EZ		mag 43518
290.00	300.61	-86.32	G	OK		**300.00**	301.03	-86.29	G	OK	
310.00	301.42	-86.26	G	OK		**320.00**	302.15	-86.23	G	OK	
330.00	303.24	-86.20	G	OK		**339.00**	302.20	-86.60	EZ		mag 55542
340.00	304.17	-86.21	G	OK		**350.00**	305.36	-86.20	G	OK	
360.00	306.42	-86.19	G	OK		**370.00**	307.07	-86.18	G	OK	
380.00	307.44	-86.18	G	OK		**390.00**	307.68	-86.16	G	OK	
396.00	305.90	-86.50	EZ		mag 55884	**400.00**	308.98	-86.18	G	OK	

Hole Number: **T-065**

Units: METRIC

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
410.00	310.34	-86.21	G	OK		**420.00**	313.56	-86.24	G	OK	
430.00	314.20	-86.21	G	OK		**440.00**	314.65	-86.17	G	OK	
441.00	316.00	-86.40	EZ		mag 55560	**450.00**	315.49	-86.14	G	OK	
460.00	315.79	-86.13	G	OK		**470.00**	316.44	-86.12	G	OK	
480.00	317.26	-86.12	G	OK		**490.00**	318.03	-86.13	G	OK	
498.00	318.90	-86.30	EZ		mag 55803	**500.00**	318.72	-86.11	G	OK	
510.00	319.43	-86.08	G	OK		**520.00**	320.70	-86.03	G	OK	
530.00	321.54	-85.96	G	OK		**540.00**	322.41	-85.92	G	OK	
549.00	322.20	-86.30	EZ		mag 55655	**550.00**	322.94	-85.88	G	OK	
560.00	323.89	-85.83	G	OK		**570.00**	324.08	-85.69	G	OK	
580.00	324.49	-85.62	G	OK		**590.00**	325.85	-85.59	G	OK	
600.00	327.59	-85.51	G	OK		**610.00**	328.89	-85.47	G	OK	
620.00	329.81	-85.44	G	OK		**630.00**	330.31	-85.40	G	OK	
640.00	331.23	-85.41	G	OK		**645.00**	327.20	-86.10	EZ		mag 55882
650.00	332.29	-85.37	G	OK		**660.00**	332.30	-85.35	G	OK	
670.00	333.05	-85.32	G	OK		**680.00**	333.89	-85.28	G	OK	
690.00	334.45	-85.24	G	OK		**696.00**	328.90	-85.40	EZ		mag 55826
700.00	335.41	-85.08	G	OK		**710.00**	336.46	-84.99	G	OK	
720.00	337.97	-84.89	G	OK		**730.00**	339.99	-84.73	G	OK	
740.00	341.84	-84.56	G	OK		**747.00**	341.60	-84.80	EZ		mag 55212
750.00	342.65	-84.41	G	OK		**760.00**	342.96	-84.18	G	OK	
770.00	345.03	-84.03	G	OK		**780.00**	346.64	-83.91	G	OK	
790.00	341.40	-83.98	G	OK		**797.00**	337.40	-84.10	EZ		9m past CWT 1 - mag 55927
800.00	332.82	-84.24	G	OK		**806.00**	329.80	-84.50	EZ		9m past CWT 2 - mag 56580
810.00	314.18	-84.01	G	OK		**815.00**	316.30	-84.70	EZ		9m past CWT 3 - mag 56875
820.00	302.39	-83.93	G	OK		**824.00**	305.70	-83.70	EZ		9m past CWT 4- mag 56109
830.00	297.72	-84.01	G	OK		**833.00**	292.20	-84.20	EZ		9m past CWT 5 - mag 56469
840.00	298.44	-83.90	G	OK		**850.00**	298.39	-83.82	G	OK	
860.00	298.75	-83.77	G	OK		**870.00**	299.97	-83.73	G	OK	
880.00	300.86	-83.68	G	OK		**885.00**	303.10	-83.80	EZ		mag 55669
890.00	302.02	-83.57	G	OK		**900.00**	302.98	-83.47	G	OK	
910.00	303.73	-83.29	G	OK		**920.00**	304.99	-83.10	G	OK	
930.00	307.10	-82.68	G	OK		**940.00**	307.95	-82.49	G	OK	
945.00	306.30	-82.70	EZ		mag 55646	**950.00**	309.37	-82.36	G	OK	

Hole Number: **T-065**

Units: METRIC

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
960.00	310.01	-82.26	G	OK		**969.00**	309.10	-82.40	EZ		mag 55807
970.00	306.14	-82.38	G	OK		**977.40**	305.70	-82.50	EZ		9m past CWT 6 - mag 55592
980.00	297.73	-82.67	G	OK		**986.00**	298.50	-83.00	EZ		9m past CWT 7 - mag 55403
990.00	286.54	-82.45	G	OK		**1000.00**	282.95	-82.76	G	OK	
1007.00	282.70	-83.00	EZ		12m past CWT 8 - mag 55884	**1010.00**	283.99	-82.75	G	OK	
1020.00	284.52	-82.76	G	OK		**1030.00**	284.99	-82.76	G	OK	
1040.00	285.21	-82.73	G	OK		**1050.00**	285.29	-82.66	G	OK	
1060.00	285.25	-82.58	G	OK		**1062.00**	286.70	-82.90	EZ		mag 55904
1070.00	285.36	-82.56	G	OK		**1080.00**	285.37	-82.50	G	OK	
1090.00	285.39	-82.49	G	OK		**1100.00**	285.56	-82.46	G	OK	
1110.00	286.03	-82.43	G	OK		**1116.00**	287.60	-82.80	EZ		mag 57137
1120.00	286.55	-82.41	G	OK		**1130.00**	286.88	-82.42	G	OK	
1140.00	287.06	-82.40	G	OK		**1150.00**	287.04	-82.43	G	OK	
1160.00	287.36	-82.36	G	OK		**1161.00**	288.80	-82.60	EZ		mag 56265
1170.00	287.34	-82.30	G	OK		**1180.00**	287.49	-82.25	G	OK	
1190.00	287.55	-82.21	G	OK		**1200.00**	287.54	-82.20	G	OK	
1210.00	287.33	-82.19	G	OK		**1212.00**	288.90	-82.50	EZ		mag 56103
1220.00	287.15	-82.20	G	OK		**1230.00**	286.89	-82.20	G	OK	
1240.00	286.59	-82.20	G	OK		**1250.00**	286.50	-82.19	G	OK	
1260.00	286.59	-82.17	G	OK		**1263.00**	287.20	-82.60	EZ		mag 57196
1270.00	286.58	-82.19	G	OK		**1280.00**	286.11	-82.16	G	OK	
1290.00	285.83	-82.12	G	OK		**1300.00**	286.16	-82.07	G	OK	
1310.00	286.39	-82.01	G	OK		**1320.00**	286.63	-81.93	G	OK	
1320.00	287.00	-82.40	EZ		mag 57660	**1330.00**	286.73	-81.90	G	OK	
1340.00	287.07	-81.90	G	OK		**1350.00**	287.19	-81.82	G	OK	
1360.00	287.42	-81.75	G	OK		**1368.00**	288.70	-82.20	EZ		mag 57766
1370.00	287.36	-81.76	G	OK		**1380.00**	287.41	-81.76	G	OK	
1390.00	287.48	-81.81	G	OK		**1400.00**	287.61	-81.80	G	OK	
1410.00	287.76	-81.76	G	OK		**1419.00**	288.90	-82.20	EZ		mag 57696
1420.00	287.51	-81.74	G	OK		**1430.00**	287.59	-81.70	G	OK	
1440.00	287.23	-81.70	G	OK		**1450.00**	287.35	-81.69	G	OK	
1460.00	287.48	-81.65	G	OK		**1467.00**	289.20	-81.90	EZ		mag 56353
1470.00	287.67	-81.63	G	OK		**1480.00**	287.84	-81.58	G	OK	
1490.00	288.11	-81.57	G	OK		**1500.00**	287.84	-81.55	G	OK	

Hole Number: **T-065**

Units: METRIC

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
1510.00	287.79	-81.54	G	OK		**1518.00**	288.80	-82.00	EZ		mag 57462
1520.00	287.54	-81.52	G	OK		**1530.00**	287.87	-81.56	G	OK	
1540.00	287.79	-81.63	G	OK		**1550.00**	287.88	-81.66	G	OK	
1560.00	287.89	-81.69	G	OK		**1570.00**	287.90	-81.75	G	OK	
1580.00	287.79	-81.83	G	OK		**1590.00**	287.94	-81.81	G	OK	
1600.00	288.04	-81.66	G	OK		**1610.00**	288.76	-81.37	G	OK	
1620.00	289.43	-81.00	G	OK		**1626.00**	288.30	-82.10	EZ		mag 57667
1630.00	290.29	-80.93	G	OK		**1640.00**	290.65	-80.85	G	OK	
1650.00	291.05	-80.78	G	OK		**1660.00**	291.38	-80.69	G	OK	
1670.00	291.65	-80.66	G	OK		**1671.00**	293.10	-80.60	EZ		mag 57354
1680.00	292.10	-80.62	G	OK		**1690.00**	292.23	-80.57	G	OK	
1700.00	292.71	-80.48	G	OK		**1710.00**	292.50	-80.64	G	OK	
1720.00	292.53	-80.75	G	OK		**1722.00**	301.40	-80.10	EZ		mag 57127
1730.00	292.46	-80.68	G	OK		**1740.00**	292.34	-80.64	G	OK	
1750.00	293.38	-80.87	G	OK		**1760.00**	297.23	-81.37	G	OK	
1770.00	300.96	-81.94	G	OK		**1780.00**	301.24	-81.99	G	OK	
1790.00	301.40	-81.95	G	OK		**1800.00**	301.96	-81.98	G	OK	
1810.00	302.24	-81.97	G	OK		**1820.00**	302.92	-82.06	G	OK	
1830.00	303.26	-82.07	G	OK		**1840.00**	303.22	-81.95	G	OK	
1850.00	304.07	-82.01	G	OK		**1860.00**	310.34	-82.73	G	OK	
1870.00	316.90	-83.63	G	OK		**1880.00**	315.19	-84.40	G	OK	
1890.00	315.18	-84.96	G	OK		**1900.00**	316.02	-85.33	G	OK	
1910.00	315.10	-85.34	G	OK		**1920.00**	315.02	-85.41	G	OK	
1930.00	314.94	-85.44	G	OK		**1940.00**	314.28	-85.50	G	OK	
1950.00	312.82	-85.51	G	OK		**1960.00**	312.85	-85.52	G	OK	
1970.00	312.73	-85.51	G	OK		**1980.00**	312.60	-85.55	G	OK	
1990.00	313.53	-85.58	G	OK		**2000.00**	314.81	-85.74	G	OK	
2006.00	314.82	-85.93	G	OK	End of T-065 gyro						

Detailed Lithology

From	To	Lithology
0.00	**3.00**	**CAS, Casing**
3.00	**41.00**	**GRPH, Granophyre** Unit is medium grained, somewhat equigranular, salmon to brick red colored felsic groundmass with dark green to greenish black pyroxene and creamy white plagioclase feldspars. No mineralization

Assay Data

Sample #	From	To	Length	Ni %	Cu %

Hole Number: **T-065**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
41.00	**48.00**	**FLT, Fault**						
		Hem FLT, strong Hem Alteration, brittle incompetent, gouge, brick red						
48.00	**350.00**	**GRPH, Granophyre**						
		Unit is medium grained, somewhat equigranular, salmon to brick red colored felsic groundmass with dark green to greenish black pyroxene and creamy white plagioclase feldspars. No mineralization						
350.00	**661.00**	**TRZN, Transition Zone**						
		Medium to coarse grained, fairly massive, light greyish-pink felsic groundmass with euhedral to lathy feldspars, strong fabric, green to greenish black pyroxene and creamy white plagioclase. No mineralization						
661.00	**665.30**	**APL, Aplite Dike**						
		Pinkey-Orange colored, fine, sugary textured APL dyke. Weakly sheared throughout						
665.30	**947.60**	**TRZN, Transition Zone**						
		Medium to coarse grained, fairly massive, light greyish-pink felsic groundmass with euhedral to lathy feldspars, strong fabric, green to greenish black pyroxene and creamy white plagioclase. No mineralization						
		Alteration						
		765.00 - 785.00 :EP Epidote, PCH Patchy, M Moderate						
		10-30cm wide patched of Ep alteration sporatic throughout the unit						
947.60	**1010.80**	**SHR, Shear**						
		Large, fairly competent SHR zone with moderate chloritized shearing throughout as well as weak CARB tension gashes at a dip of 30° tca. Unit appears to be a combination of 2 moderate shear zones with weaker shearing in the middle, within what appears to be TRZN at first with possible mafic volcanics intermixed, (difficult to assess due to amount of shearing and CHL "flooding" throughout) then GRPH towards the end. Weak py/pn seen within small FF occasionally seen.						
1010.80	**1068.40**	**GRPH, Granophyre**						
		Medium to coarse grained, somewhat equigranular, salmon to brick red colored felsic groundmass with dark green to greenish black pyroxene and creamy white plagioclase feldspars. Unit contact is gradational and determined by absence of interstial HEM alt. Small APL dyke between 1043.95-1045.0. No mineralization						
1068.40	**1127.65**	**TRZN, Transition Zone**						
		Medium to coarse grained, fairly massive, light greyish-pink felsic groundmass with euhedral to lathy feldspars, green to greenish black pyroxene and creamy white plagioclase. Unit bottom contact is difficult to assess due to complete lack of magnetite within the unit and determined by visual appearance instead. No mineralization						

Hole Number: **T-065**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
1127.65	**1624.00**	**FNOR, Felsic Norite** Unit is massive, leucocratic to mesocratic, medium grained, equigranular with beigy-white, tabular plagioclase and sub-rounded granophyre or quartz, as well as dark green to greenish black pyroxene, potassic feldspar and biotite. Small APL dykes appear between 1135.85 and 1137.25 as well as a small DIA dike between 1523.7-1524.20. No mineralization. **Structure** 1160.90 - 1179.10 : FLT Fault, 50.00 Deg to CA Weak, fairly competent, rehealed FZ with 4cm of CHL/ONAP? infill with moderate CHL/CARB tension gashes 1237.25 - 1240.10 : FLT Fault, 20.00 Deg to CA Small, sheared, rehealed FZ with 2cm of CARB infill with weak CARB tension gashes as well. 1282.70 - 1285.65 : FLT Fault, 40.00 Deg to CA Small, sheared, rehealed FZ with 6cm of APL/CARB infill with weak CARB tension gashes as well. 1289.45 - 1291.20 : SHR Shear, 60.00 Deg to CA 1354.20 - 1360.50 : FLT Fault, 50.00 Deg to CA Small, moderately sheared, rehealed FLT with 38cm of APL/CHL/CARB infill with moderate CARB tension gashes. 1368.90 - 1373.00 : SHR Shear, 40.00 Deg to CA 1395.55 - 1400.00 : FLT Fault, 50.00 Deg to CA Small, moderately sheared, rehealed FLT with 12cm of CHL/CARB/FNOR infill with moderate CARB tension gashes. **RQD** 1498.30 - 1498.45 : 0.00 % RQD 100.00 % Core Weak concave disking with 1-3cm disks and incipient disking as well. 1592.25 - 1592.70 : 0.00 % RQD 100.00 % Core Weak convex disking with 1-3cm disks and incipient disking as well. **MINOR INTERVALS:** **Minor Interval:** 1272.10 - 1273.50 APL, Aplite Dike Typical beigey/taupe colored, sugary textured, with sharp contacts with a dip of 70° tca. Weakly sheared.							
1624.00	**1724.65**	**SHR, Shear** Large, strong, somewhat blocky SHR zone. Unit appears to be a combination of 2 moderate to strong shear zones with weaker shearing in the middle within FNOR (to 1638m) and GRPH with moderate CHL/CARB FF shearing infill and tension gashes throughout, at a dip of 65° tca, moderate to strong HEM alteration wihin the GRPH. No mineralization seen. **Alteration** 1639.80 - 1677.00 :HE Hematite, P Pervasive, S Strong **Structure** 1624.00 - 1724.65 : SHR Shear, 65.00 Deg to CA 1696.00 - 1724.65 : BLKY Blocky, 40.00 Deg to CA Blocky largely due to strong, CHL laminated SHR zone **RQD** 1640.65 - 1669.25 : 0.00 % RQD 100.00 % Core Huge disking interval, largely due to strong, laminated SHR zone, disks are in fairly large patches of ½-2 cm thick with some incipient disking in between. 1689.60 - 1692.20 : 0.00 % RQD 100.00 % Core Moderate concave disking with ½-2cm disks and incipient disking found as well.							

Hole Number: **T-065**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
1724.65	**1787.65**	**GRPH, Granophyre** Fine to medium grained with minor salmon to brick red colored felsic groundmass within dark green to greenish black pyroxene and creamy white plagioclase feldspars. Unit is weakly sheared. **Structure** 1735.50 - 1748.80 : SHR Shear, 35.00 Deg to CA SHR zone with moderate CHL infill as well as weak to moderate CARB tension gashes.						
1787.65	**1826.00**	**SHR, Shear** Large, moderate, slightly blocky SHR zone, within GRPH with moderate CHL/CARB FF shearing infill and tension gashes throughout, at a dip of 60° tca. No mineralization seen.						
1826.00	**1837.55**	**GRPH, Granophyre** Fine to medium grained with minor salmon to brick red colored felsic groundmass within dark green to greenish black pyroxene and creamy white plagioclase feldspars. Unit is weakly sheared.						
1837.55	**1849.50**	**ONAP, Onaping Formation** Onaping Formation (Grey Member)- Unit is somewhat intermixed with the GRPH with several GRPH fragments as well as various sized (mm to several cm), jagged to sub-rounded fragments of several rock types (mafic, meta-sedimentary, sedimentary) within a blackish-green mafic matrix. Moderate CHL fractures + CARB FF dipping between 45-70°. Unit ends at 1882.75m within the FZ. No mineralization seen.						
1849.50	**1919.00**	**FLT, Fault** Strong, large, blocky FZ with moderate shearing with several large patches of disking as well. Unit contains ~45cm of sandy-clay mud gouge. Dip is difficult to assess but appears to be (according to shearing before and after) 60° tca. Strong CHL fractures and FF throughout. Unit appears to be going in and out of ONAP/GRPH at start of FZ with the ONAP Grey member ending at 1882.75. No mineralization seen. **RQD** 1852.00 - 1862.65 : 0.00 % RQD 100.00 % Core Large disking interval, largely due proximity to FZ, disks are in fairly large patches of ½-2 cm thick with some incipient disking in between. 1881.80 - 1882.60 : 0.00 % RQD 100.00 % Core Weak concave disking with 1-3cm disks and incipient disking as well. 1883.15 - 1884.00 : 0.00 % RQD 100.00 % Core Weak convex disking with 1-3cm disks and incipient disking as well. 1908.40 - 1912.75 : 0.00 % RQD 100.00 % Core Moderate concave disking with ½-2cm disks and incipient disking found as well. 1915.80 - 1916.05 : 0.00 % RQD 100.00 % Core Weak convex disking with 1-3cm disks and incipient disking as well.						
1919.00	**1948.45**	**ONAP, Onaping Formation** Onaping Formation (Basal Member) - Unit starts at 1882.75 within FZ. Strongly silicified, sub-rounded to almost jagged light beigy-green to white to light pink mostly Quartzite and Andesite fragments, within a sparce grey-green to taupe silicious matrix with very fine mica and fine PY occasionally seen. **RQD** 1933.50 - 1936.40 : 0.00 % RQD 100.00 % Core Moderate convex disking with ½-2cm disks and incipient disking found as well.						

SUDBURY INTEGRATED NICKEL OPERATIONS
A GLENCORE COMPANY

DETAILED LOG

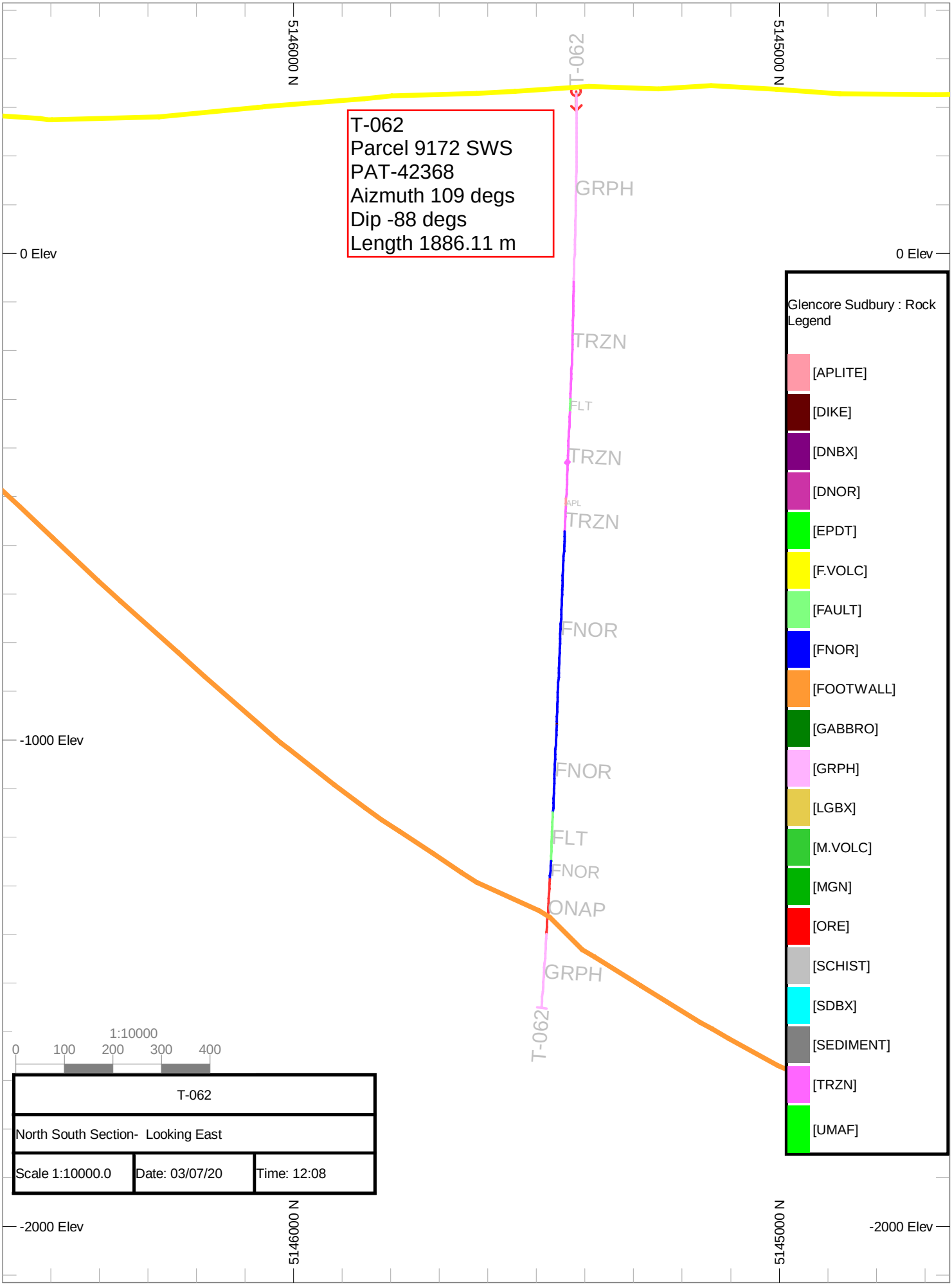
Hole Number: **T-065**

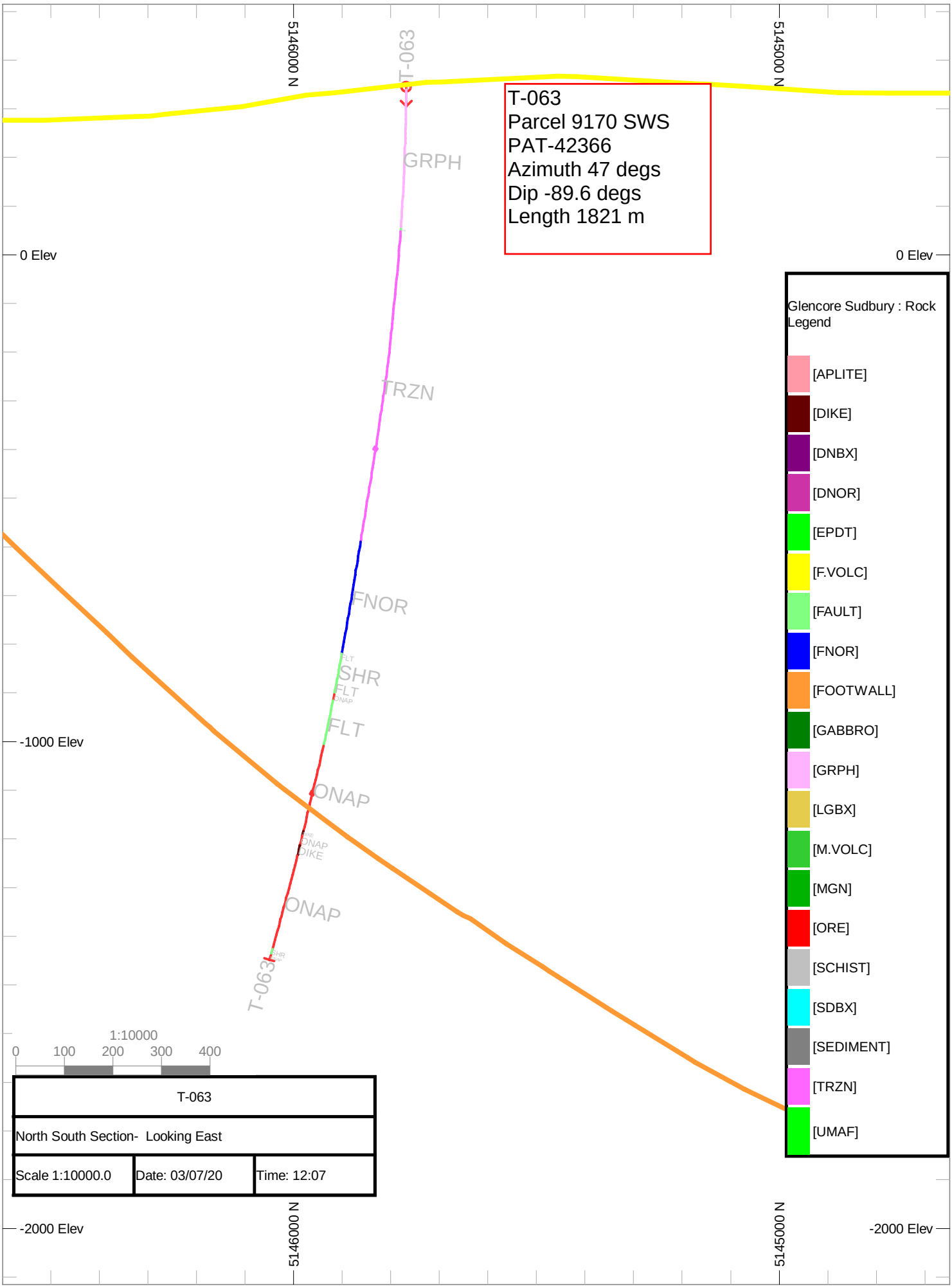
Units: METRIC

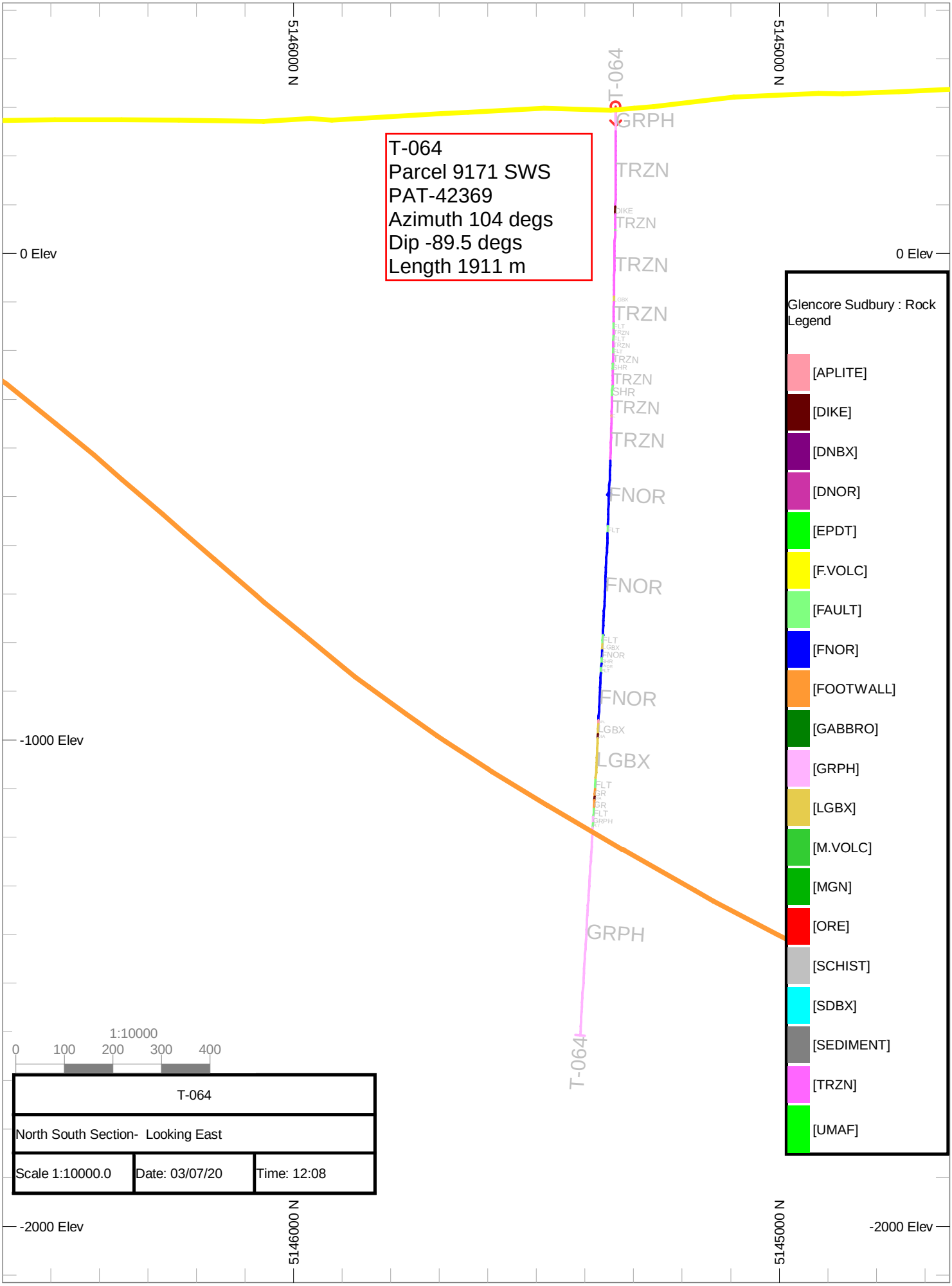
Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
1948.45	**1987.85**	**ONAP, Onaping Formation** Onaping Formation (Basal Onaping Intrusive) - Unit is fine grained, dark grey to greenish grey pyroxene and amphiboles matrix with fairly dense greenish beige, jagged fragments of andesite, quartz & plagiocase. Fairly distinct contacts at both ends. No mineralization seen. **RQD** 1965.95 - 1966.65 : 0.00 % RQD 100.00 % Core Moderate convex disking with ½-2cm disks and incipient disking found as well.						
1987.85	**2025.00**	**GRPH, Granophyre** Medium grained, dark green to blackish green pyroxenes with few black amphyboles, minor salmon to brick red colored felsic groundmass and creamy white plagioclase feldspars. No mineralization.						
2025.00	**2025.01**	**EOH, End of Hole**						

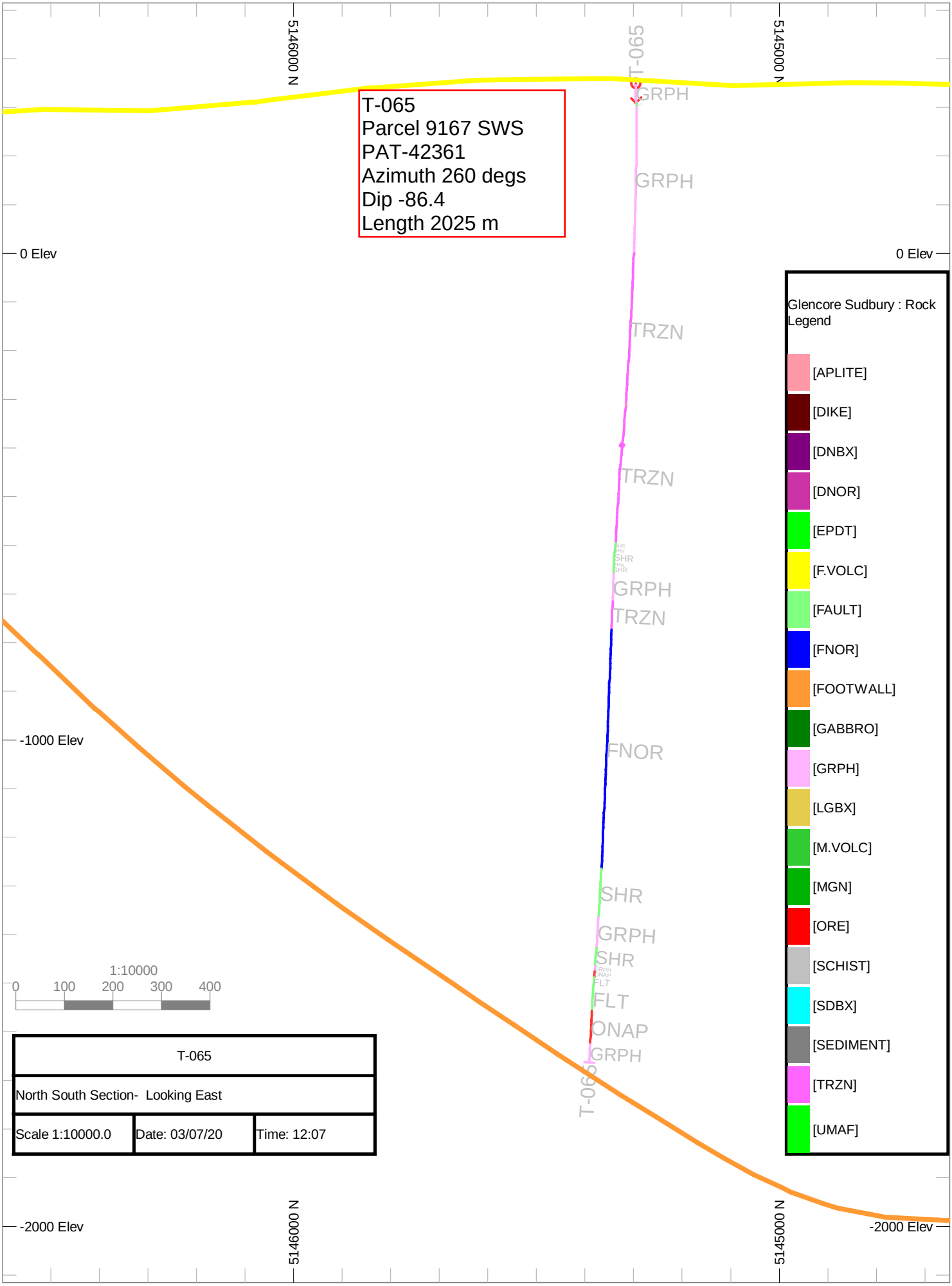
APPENDIX III

Sections


5146000 N
5145000 N
T-062
T-062
Parcel 9172 SWS
PAT-42368
Aizmuth 109 degs
Dip -88 degs
Length 1886.11 m
GRPH
0 Elev
0 Elev
TRZN
FLT
TRZN
APL
TRZN
FNOR
-1000 Elev
FNOR
FLT
FNOR
ONAP
GRPH
T-062
Glencore Sudbury : Rock Legend
[APLITE]
[DIKE]
[DNBX]
[DNOR]
[EPDT]
[F.VOLC]
[FAULT]
[FNOR]
[FOOTWALL]
[GABBRO]
[GRPH]
[LGBX]
[M.VOLC]
[MGN]
[ORE]
[SCHIST]
[SDBX]
[SEDIMENT]
[TRZN]
[UMAF]
1:10000
0 100 200 300 400
T-062
North South Section- Looking East
Scale 1:10000.0
Date: 03/07/20
Time: 12:08
-2000 Elev
5146000 N
5145000 N
-2000 Elev


5146000 N
5145000 N
T-063
T-063
Parcel 9170 SWS
PAT-42366
Azimuth 47 degs
Dip -89.6 degs
Length 1821 m
GRPH
0 Elev
0 Elev
TRZN
FNOR
SHR
FLT
FLT
ONAP
ONAP
DIKE
ONAP
T-063
-1000 Elev
Glencore Sudbury : Rock Legend
[APLITE]
[DIKE]
[DNBX]
[DNOR]
[EPDT]
[F.VOLC]
[FAULT]
[FNOR]
[FOOTWALL]
[GABBRO]
[GRPH]
[LGBX]
[M.VOLC]
[MGN]
[ORE]
[SCHIST]
[SDBX]
[SEDIMENT]
[TRZN]
[UMAF]
1:10000
0 100 200 300 400
T-063
North South Section- Looking East
Scale 1:10000.0
Date: 03/07/20
Time: 12:07
-2000 Elev
5146000 N
5145000 N
-2000 Elev


5146000 N
5145000 N
T-064
GRPH
TRZN
DIKE
TRZN
TRZN
LGBX
TRZN
FLT
TRZN
FLT
TRZN
SHR
TRZN
SHR
TRZN
TRZN
FNOR
FLT
FNOR
FLT
LGBX
FNOR
SHR
FLT
LGBX
FLT
SR
SR
FLT
GRPH
GRPH
T-064
T-064
Parcel 9171 SWS
PAT-42369
Azimuth 104 degs
Dip -89.5 degs
Length 1911 m
0 Elev
0 Elev
-1000 Elev
-2000 Elev
-2000 Elev
5146000 N
5145000 N
Glencore Sudbury : Rock Legend
[APLITE]
[DIKE]
[DNBX]
[DNOR]
[EPDT]
[F.VOLC]
[FAULT]
[FNOR]
[FOOTWALL]
[GABBRO]
[GRPH]
[LGBX]
[M.VOLC]
[MGN]
[ORE]
[SCHIST]
[SDBX]
[SEDIMENT]
[TRZN]
[UMAF]
1:10000
0
100
200
300
400
T-064
North South Section- Looking East
Scale 1:10000.0
Date: 03/07/20
Time: 12:08


5146000 N
5145000 N
T-065
GRPH
T-065
Parcel 9167 SWS
PAT-42361
Azimuth 260 degs
Dip -86.4
Length 2025 m
0 Elev
0 Elev
GRPH
TRZN
TRZN
SHR
GRPH
TRZN
FNOR
SHR
GRPH
SHR
FLT
ONAP
GRPH
T-065
-1000 Elev
-2000 Elev
-2000 Elev
5146000 N
5145000 N
Glencore Sudbury : Rock Legend
[APLITE]
[DIKE]
[DNBX]
[DNOR]
[EPDT]
[F.VOLC]
[FAULT]
[FNOR]
[FOOTWALL]
[GABBRO]
[GRPH]
[LGBX]
[M.VOLC]
[MGN]
[ORE]
[SCHIST]
[SDBX]
[SEDIMENT]
[TRZN]
[UMAF]
1:10000
0 100 200 300 400
T-065
North South Section- Looking East
Scale 1:10000.0
Date: 03/07/20
Time: 12:07

APPENDIX IV

Physical Properties

PHYSICAL PROPERTIES PLOT

DGI GEOSCIENCE INC.

Company:	Glencore - Drury	**Total Depth:**	1886 m	**UTM X (Easting):**	462962
Hole ID:	T-062	**Surveyed Depth:**	1883 m	**UTM Y (Northing):**	5145418.3
Acquisition date(s):	May 16+25-26, 2019	**Hole Diameter:**	60/76 mm	**UTM Z (Elevation):**	362.06
Field Personnel:	A. Crosby, O. Fomenko, Q. Ngo	**Hole Type:**	Diamond	**Legal Location:**	Sudbury
Data Analysis:	S. Reese, P. Patraskovic	**Casing Depth:**	9 m		
Survey Day(s):	3	**Fluid Level:**	---		

Notes:

Natural Gamma was acquired in rods between 1423-1520m. Hole size reduction at 1518m. Gap in electrical and magnetic properties at hole reduction due to borehole conditions.

Depth — 1m:1000m

Physical Rock Properties

- Natural Gamma: 0 API 400
- Natural Gamma Repeat: 0 API 400
- 8" Rel. Resistivity: 0 Ohm.m 50000
- 16" Rel. Resistivity: 0 Ohm.m 50000
- 32" Rel. Resistivity: 0 Ohm.m 50000
- 64" Rel. Resistivity: 0 Ohm.m 50000
- 8" Rel. Res. Repeat: 0 Ohm.m 50000
- 16" Rel. Res. Repeat: 0 Ohm.m 50000
- 32" Rel. Res. Repeat: 0 Ohm.m 50000
- 64" Rel. Res. Repeat: 0 Ohm.m 50000
- MS: 0 SI x 10-3 100
- MS Repeat: 0 SI x 10-3 100
- Chargeability: 0 ms 100
- Chargeability Repeat: 0 ms 100
- SP: 0 mV 1000
- SP Repeat: 0 mV 1000
- SP Resistance: 0 Ohm 10000
- SP Resistance Repeat: 0 Ohm 10000

Lithology

Rock Type

CAS

GRPH

0 20 40 60 80 100 120 140 160 180 200 220 240 260 280

Depth	Physical Rock Properties								Lithology
1m:1000m	Natural Gamma 0 API 400 Natural Gamma Repeat 0 API 400	8" Rel. Resistivity 0 Ohm.m 50000 16" Rel. Resistivity 0 Ohm.m 50000 32" Rel. Resistivity 0 Ohm.m 50000 64" Rel. Resistivity 0 Ohm.m 50000	8" Rel. Res. Repeat 0 Ohm.m 50000 16" Rel. Res. Repeat 0 Ohm.m 50000 32" Rel. Res. Repeat 0 Ohm.m 50000 64" Rel. Res. Repeat 0 Ohm.m 50000	MS 0 SI x 10-3 100 MS Repeat 0 SI x 10-3 100	Chargeability 0 ms 100 Chargeability Repeat 0 ms 100	SP 0 mV 1000 SP Repeat 0 mV 1000	SP Resistance 0 Ohm 10000 SP Resistance Repeat 0 Ohm 10000	Rock Type

300
320
340
360
380
400
420
440
460
480
500
520
540
560
580
600
620
640
660

TRZN
FLT
TRZN

Depth	Physical Rock Properties								Lithology
1m:1000m	Natural Gamma 0 API 400 Natural Gamma Repeat 0 API 400	8" Rel. Resistivity 0 Ohm.m 50000 16" Rel. Resistivity 0 Ohm.m 50000 32" Rel. Resistivity 0 Ohm.m 50000 64" Rel. Resistivity 0 Ohm.m 50000	8" Rel. Res. Repeat 0 Ohm.m 50000 16" Rel. Res. Repeat 0 Ohm.m 50000 32" Rel. Res. Repeat 0 Ohm.m 50000 64" Rel. Res. Repeat 0 Ohm.m 50000	MS 0 SI x 10-3 100 MS Repeat 0 SI x 10-3 100	Chargeability 0 ms 100 Chargeability Repeat 0 ms 100	SP 0 mV 1000 SP Repeat 0 mV 1000	SP Resistance 0 Ohm 10000 SP Resistance Repeat 0 Ohm 10000	Rock Type

680
700
720
740
760
780
800
820
840
860
880
900
920
940
960
980
1000
1020

APL
TRZN
FNOR

Depth	Physical Rock Properties								Lithology
1m:1000m	Natural Gamma 0 API 400 Natural Gamma Repeat 0 API 400	8" Rel. Resistivity 0 Ohm.m 50000 16" Rel. Resistivity 0 Ohm.m 50000 32" Rel. Resistivity 0 Ohm.m 50000 64" Rel. Resistivity 0 Ohm.m 50000	8" Rel. Res. Repeat 0 Ohm.m 50000 16" Rel. Res. Repeat 0 Ohm.m 50000 32" Rel. Res. Repeat 0 Ohm.m 50000 64" Rel. Res. Repeat 0 Ohm.m 50000	MS 0 SI x 10-3 100 MS Repeat 0 SI x 10-3 100	Chargeability 0 ms 100 Chargeability Repeat 0 ms 100	SP 0 mV 1000 SP Repeat 0 mV 1000	SP Resistance 0 Ohm 10000 SP Resistance Repeat 0 Ohm 10000	Rock Type

1040
1060
1080
1100
1120
1140
1160
1180
1200
1220
1240
1260
1280
1300
1320
1340
1360
1380
1400

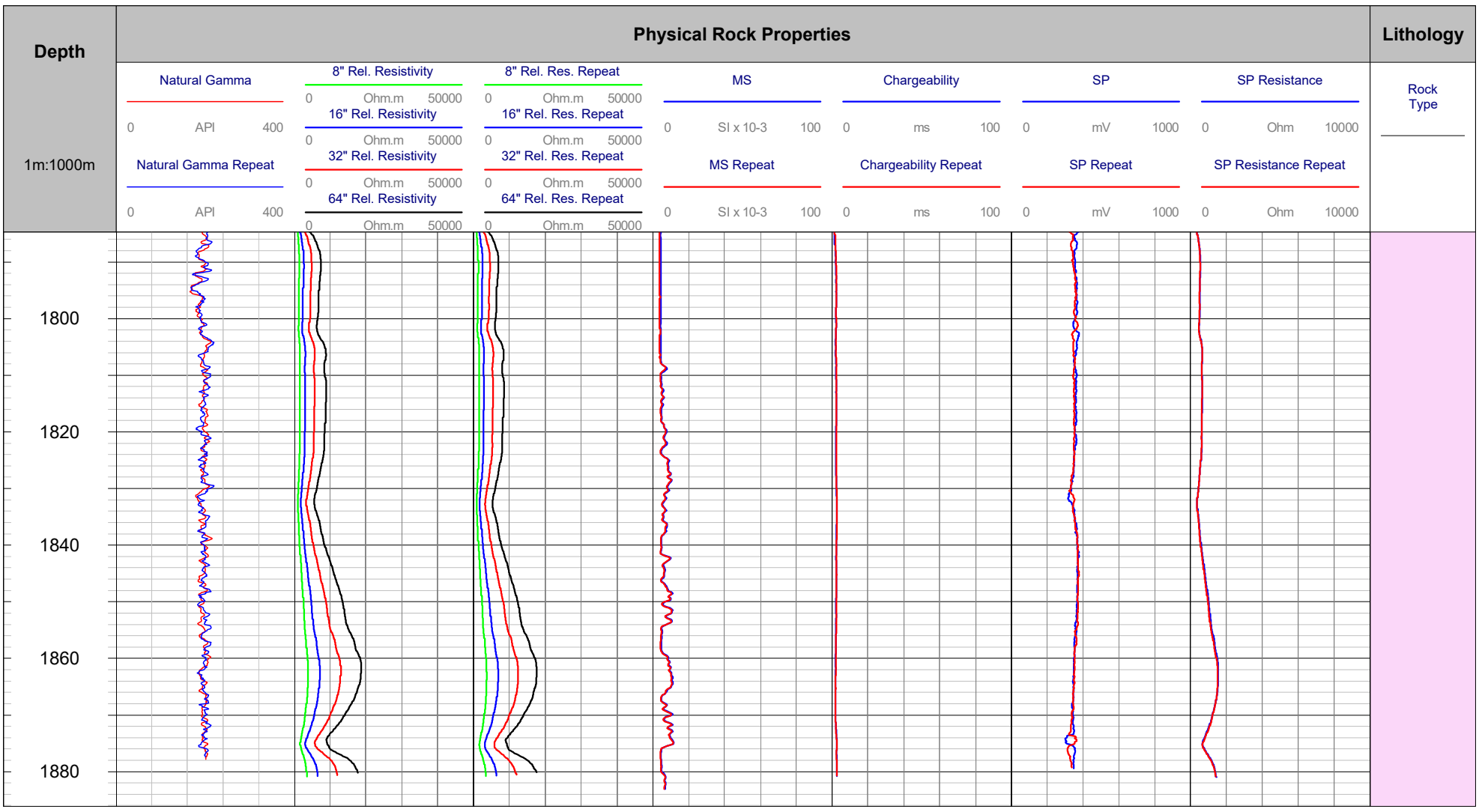
FNOR

FNOR

Depth	Physical Rock Properties								Lithology
1m:1000m	Natural Gamma 0 API 400 Natural Gamma Repeat 0 API 400	8" Rel. Resistivity 0 Ohm.m 50000 16" Rel. Resistivity 0 Ohm.m 50000 32" Rel. Resistivity 0 Ohm.m 50000 64" Rel. Resistivity 0 Ohm.m 50000	8" Rel. Res. Repeat 0 Ohm.m 50000 16" Rel. Res. Repeat 0 Ohm.m 50000 32" Rel. Res. Repeat 0 Ohm.m 50000 64" Rel. Res. Repeat 0 Ohm.m 50000	MS 0 SI x 10-3 100 MS Repeat 0 SI x 10-3 100	Chargeability 0 ms 100 Chargeability Repeat 0 ms 100	SP 0 mV 1000 SP Repeat 0 mV 1000	SP Resistance 0 Ohm 10000 SP Resistance Repeat 0 Ohm 10000	Rock Type

1420
1440
1460
1480
1500
1520
1540
1560
1580
1600
1620
1640
1660
1680
1700
1720
1740
1760
1780

FLT
FNOR
BX
GAB


Depth
1m:1000m
Physical Rock Properties
Lithology
Natural Gamma
0 API 400
Natural Gamma Repeat
0 API 400
8" Rel. Resistivity
16" Rel. Resistivity
32" Rel. Resistivity
64" Rel. Resistivity
0 Ohm.m 50000
8" Rel. Res. Repeat
16" Rel. Res. Repeat
32" Rel. Res. Repeat
64" Rel. Res. Repeat
0 Ohm.m 50000
MS
0 SI x 10-3 100
MS Repeat
0 SI x 10-3 100
Chargeability
0 ms 100
Chargeability Repeat
0 ms 100
SP
0 mV 1000
SP Repeat
0 mV 1000
SP Resistance
0 Ohm 10000
SP Resistance Repeat
0 Ohm 10000
Rock Type
1800
1820
1840
1860
1880

PHYSICAL PROPERTIES PLOT

DGI GEOSCIENCE INC.

Company:	Glencore - Dury	**Total Depth:**	1840 m	**UTM X (Easting):**	---
Hole ID:	T-063	**Surveyed Depth:**	1830.5 m	**UTM Y (Northing):**	---
Acquisition date(s):	Aug. 23, 2019	**Hole Diameter:**	76 mm	**UTM Z (Elevation):**	---
Field Personnel:	C. Crawford; P. Patraskovic	**Hole Type:**	Diamond	**Legal Location:**	Sudbury, ON
Data Analysis:	R. Leblanc	**Casing Depth:**	2 m		
Survey Day(s):	1	**Fluid Level:**	N/A		

Notes:

Natural gamma was not logged on this borehole.

Depth 1m:1000m

Physical Rock Properties

Natural Gamma: 0 API 400
Natural Gamma Repeat: 0 API 400
8" Rel. Resistivity: 0 Ohm.m 50000
16" Rel. Resistivity: 0 Ohm.m 50000
32" Rel. Resistivity: 0 Ohm.m 50000
64" Rel. Resistivity: 0 Ohm.m 50000
8" Rel. Res. Repeat: 0 Ohm.m 50000
16" Rel. Res. Repeat: 0 Ohm.m 50000
32" Rel. Res. Repeat: 0 Ohm.m 50000
64" Rel. Res. Repeat: 0 Ohm.m 50000
MS: 0 SIx10-3 100
MS Repeat: 0 SIx10-3 100
Chargeability: 0 ms 100
Chargeability Repeat: 0 ms 100
SP: 0 mV 1000
SP Repeat: 0 mV 1000
SP Resistance: 0 Ohm 10000
SP Resistance Repeat: 0 Ohm 10000

Lithology

Rock Type

CAS

GRPH

0 20 40 60 80 100 120 140 160 180 200 220 240 260 280

Depth	Physical Rock Properties								Lithology
	Natural Gamma	8" Rel. Resistivity	8" Rel. Res. Repeat	MS	Chargeability	SP	SP Resistance		Rock Type
	0 API 400	0 Ohm.m 50000	0 Ohm.m 50000	0 SIx10-3 100	0 ms 100	0 mV 1000	0 Ohm 10000		
1m:1000m	Natural Gamma Repeat	16" Rel. Resistivity	16" Rel. Res. Repeat						
	0 API 400	0 Ohm.m 50000	0 Ohm.m 50000	MS Repeat	Chargeability Repeat	SP Repeat	SP Resistance Repeat		
		32" Rel. Resistivity	32" Rel. Res. Repeat	0 SIx10-3 100	0 ms 100	0 mV 1000	0 Ohm 10000		
		64" Rel. Resistivity	64" Rel. Res. Repeat						
		0 Ohm.m 50000	0 Ohm.m 50000						

300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660

SHR

TRZN

Depth	Physical Rock Properties								Lithology
1m:1000m	Natural Gamma 0 API 400 Natural Gamma Repeat 0 API 400	8" Rel. Resistivity 0 Ohm.m 50000 16" Rel. Resistivity 0 Ohm.m 50000 32" Rel. Resistivity 0 Ohm.m 50000 64" Rel. Resistivity 0 Ohm.m 50000	8" Rel. Res. Repeat 0 Ohm.m 50000 16" Rel. Res. Repeat 0 Ohm.m 50000 32" Rel. Res. Repeat 0 Ohm.m 50000 64" Rel. Res. Repeat 0 Ohm.m 50000	MS 0 SIx10-3 100 MS Repeat 0 SIx10-3 100	Chargeability 0 ms 100 Chargeability Repeat 0 ms 100	SP 0 mV 1000 SP Repeat 0 mV 1000	SP Resistance 0 Ohm 10000 SP Resistance Repeat 0 Ohm 10000	Rock Type FNOR

680 700 720 740 760 780 800 820 840 860 880 900 920 940 960 980 1000 1020

Depth	Physical Rock Properties								Lithology
1m:1000m	Natural Gamma 0 API 400 Natural Gamma Repeat 0 API 400	8" Rel. Resistivity 0 Ohm.m 50000 16" Rel. Resistivity 0 Ohm.m 50000 32" Rel. Resistivity 0 Ohm.m 50000 64" Rel. Resistivity 0 Ohm.m 50000	8" Rel. Res. Repeat 0 Ohm.m 50000 16" Rel. Res. Repeat 0 Ohm.m 50000 32" Rel. Res. Repeat 0 Ohm.m 50000 64" Rel. Res. Repeat 0 Ohm.m 50000	MS 0 SIx10-3 100 MS Repeat 0 SIx10-3 100	Chargeability 0 ms 100 Chargeability Repeat 0 ms 100	SP 0 mV 1000 SP Repeat 0 mV 1000	SP Resistance 0 Ohm 10000 SP Resistance Repeat 0 Ohm 10000	Rock Type

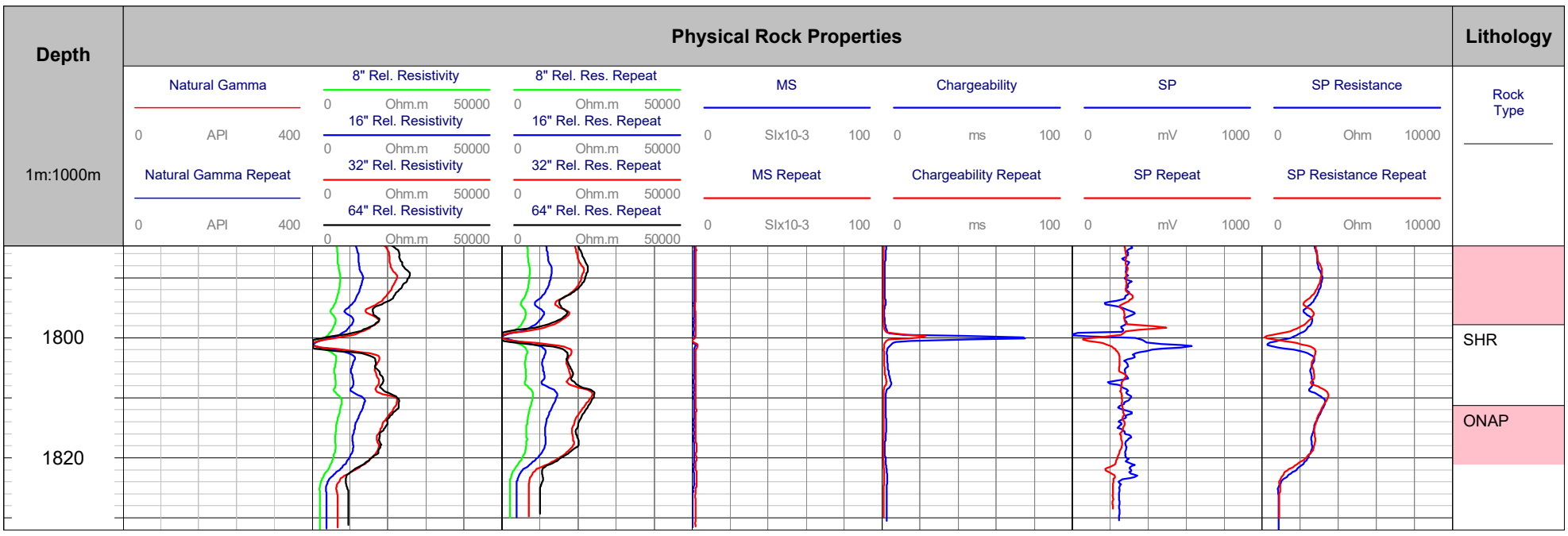
1040
1060
1080
1100
1120
1140
1160
1180
1200
1220
1240
1260
1280
1300
1320
1340
1360
1380
1400

FLT
SHR
FLT
ONAP
FLT
ONAP

Depth	Physical Rock Properties								Lithology
1m:1000m	Natural Gamma 0 API 400 Natural Gamma Repeat 0 API 400	8" Rel. Resistivity 0 Ohm.m 50000 16" Rel. Resistivity 0 Ohm.m 50000 32" Rel. Resistivity 0 Ohm.m 50000 64" Rel. Resistivity 0 Ohm.m 50000	8" Rel. Res. Repeat 0 Ohm.m 50000 16" Rel. Res. Repeat 0 Ohm.m 50000 32" Rel. Res. Repeat 0 Ohm.m 50000 64" Rel. Res. Repeat 0 Ohm.m 50000	MS 0 SIx10-3 100 MS Repeat 0 SIx10-3 100	Chargeability 0 ms 100 Chargeability Repeat 0 ms 100	SP 0 mV 1000 SP Repeat 0 mV 1000	SP Resistance 0 Ohm 10000 SP Resistance Repeat 0 Ohm 10000	Rock Type

1420
1440
1460
1480
1500
1520
1540
1560
1580
1600
1620
1640
1660
1680
1700
1720
1740
1760
1780

ONAP
DIKE
ONAP
DIKE
ONAP
ONAP


Depth
Physical Rock Properties
Lithology
Natural Gamma
0 API 400
Natural Gamma Repeat
0 API 400
8" Rel. Resistivity
0 Ohm.m 50000
16" Rel. Resistivity
0 Ohm.m 50000
32" Rel. Resistivity
0 Ohm.m 50000
64" Rel. Resistivity
0 Ohm.m 50000
8" Rel. Res. Repeat
0 Ohm.m 50000
16" Rel. Res. Repeat
0 Ohm.m 50000
32" Rel. Res. Repeat
0 Ohm.m 50000
64" Rel. Res. Repeat
0 Ohm.m 50000
MS
0 SIx10-3 100
MS Repeat
0 SIx10-3 100
Chargeability
0 ms 100
Chargeability Repeat
0 ms 100
SP
0 mV 1000
SP Repeat
0 mV 1000
SP Resistance
0 Ohm 10000
SP Resistance Repeat
0 Ohm 10000
Rock Type
1m:1000m
1800
1820
SHR
ONAP

PHYSICAL PROPERTIES PLOT

DGI GEOSCIENCE INC.

Company:	Glencore - Dury	**Total Depth:**	1911 m	**UTM X (Easting):**	---
Hole ID:	T-064	**Surveyed Depth:**	1900	**UTM Y (Northing):**	---
Acquisition date(s):	July 21, Aug. 21, 2019	**Hole Diameter:**	76 mm	**UTM Z (Elevation):**	---
Field Personnel:	C. Crawford; P. Patraskovic	**Hole Type:**	Diamond	**Legal Location:**	Sudbury, ON
Data Analysis:	R. Leblanc	**Casing Depth:**	18 m		
Survey Day(s):	3	**Fluid Level:**	N/A		

Notes:

Repeat run was stopped short due to time constraints with sharing the borehole with Lamontagne Geophysics. Noticeably low resistivity results in this borehole.

Depth 1m:1000m

Physical Rock Properties

- Natural Gamma: 0 API 400
- Natural Gamma Repeat: 0 API 400
- 8" Rel. Resistivity: 0 Ohm.m 50000
- 16" Rel. Resistivity: 0 Ohm.m 50000
- 32" Rel. Resistivity: 0 Ohm.m 50000
- 64" Rel. Resistivity: 0 Ohm.m 50000
- 8" Rel. Res. Repeat: 0 Ohm.m 50000
- 16" Rel. Res. Repeat: 0 Ohm.m 50000
- 32" Rel. Res. Repeat: 0 Ohm.m 50000
- 64" Rel. Res. Repeat: 0 Ohm.m 50000
- MS: 0 SIx10-3 100
- MS Repeat: 0 SIx10-3 100
- Chargeability: 0 ms 100
- Chargeability Repeat: 0 ms 100
- SP: 0 mV 1000
- SP Repeat: 0 mV 1000
- SP Resistance: 0 Ohm 10000
- SP Resistance Repeat: 0 Ohm 10000

Lithology

Rock Type

0 20 40 60 80 100 120 140 160 180 200 220 240 260 280

CAS

GRPH

TRZN

DIKE

TRZN

TRZN

Depth	Physical Rock Properties								Lithology
1m:1000m	Natural Gamma 0 API 400 Natural Gamma Repeat 0 API 400	8" Rel. Resistivity 0 Ohm.m 50000 16" Rel. Resistivity 0 Ohm.m 50000 32" Rel. Resistivity 0 Ohm.m 50000 64" Rel. Resistivity 0 Ohm.m 50000	8" Rel. Res. Repeat 0 Ohm.m 50000 16" Rel. Res. Repeat 0 Ohm.m 50000 32" Rel. Res. Repeat 0 Ohm.m 50000 64" Rel. Res. Repeat 0 Ohm.m 50000	MS 0 SIx10-3 100 MS Repeat 0 SIx10-3 100	Chargeability 0 ms 100 Chargeability Repeat 0 ms 100	SP 0 mV 1000 SP Repeat 0 mV 1000	SP Resistance 0 Ohm 10000 SP Resistance Repeat 0 Ohm 10000	Rock Type

300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660

LGBX
TRZN
FLT
TRZN
FLT
TRZN
FLT
TRZN
SHR
TRZN
SHR
TRZN
TRZN

Depth	Physical Rock Properties							Lithology
1m:1000m	Natural Gamma 0 API 400 Natural Gamma Repeat 0 API 400	8" Rel. Resistivity 0 Ohm.m 50000 16" Rel. Resistivity 0 Ohm.m 50000 32" Rel. Resistivity 0 Ohm.m 50000 64" Rel. Resistivity 0 Ohm.m 50000	8" Rel. Res. Repeat 0 Ohm.m 50000 16" Rel. Res. Repeat 0 Ohm.m 50000 32" Rel. Res. Repeat 0 Ohm.m 50000 64" Rel. Res. Repeat 0 Ohm.m 50000	MS 0 SIx10-3 100 MS Repeat 0 SIx10-3 100	Chargeability 0 ms 100 Chargeability Repeat 0 ms 100	SP 0 mV 1000 SP Repeat 0 mV 1000	SP Resistance 0 Ohm 10000 SP Resistance Repeat 0 Ohm 10000	Rock Type

680
700
720
740
760
780
800
820
840
860
880
900
920
940
960
980
1000
1020

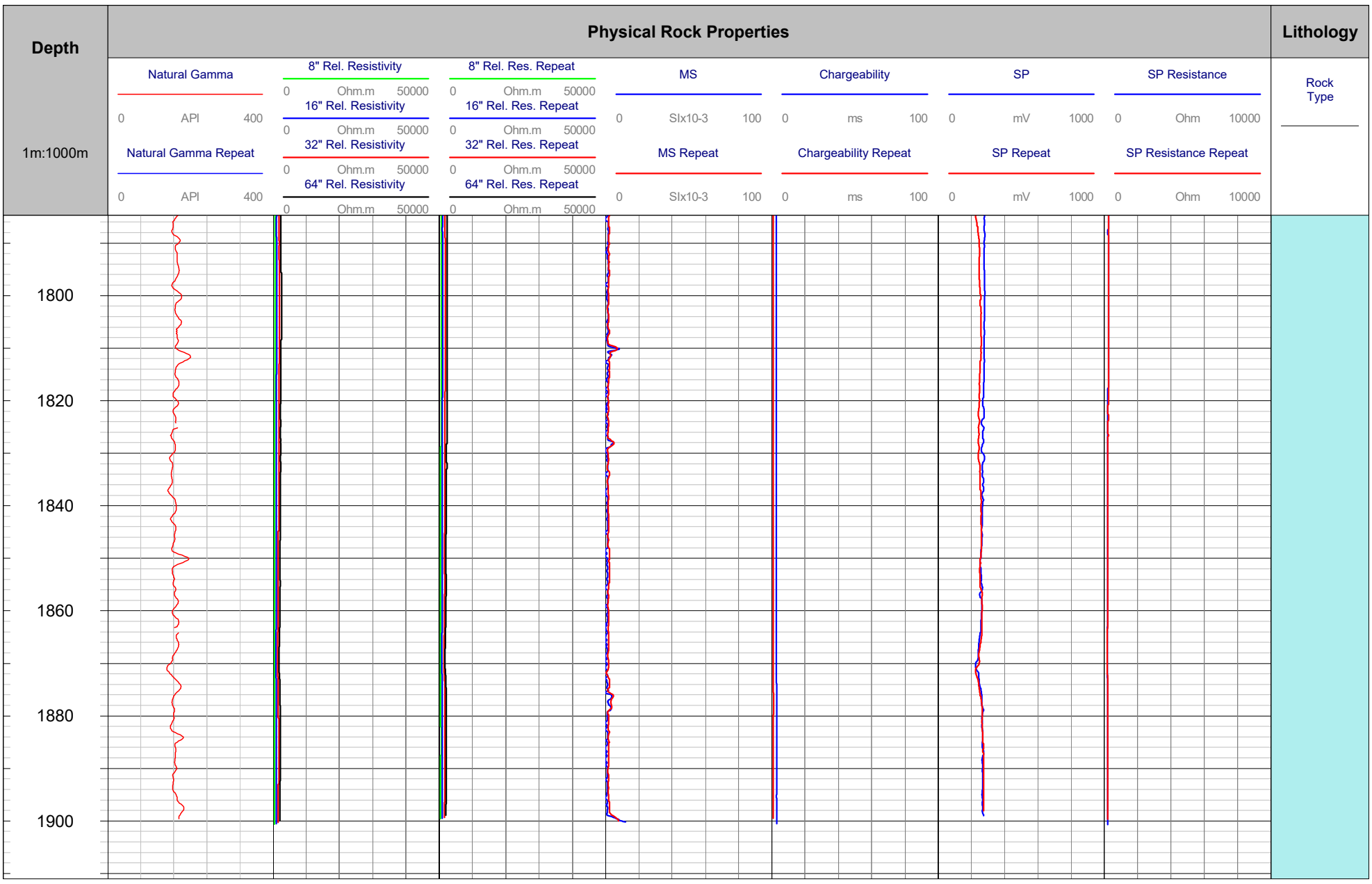
FNOR
FLT
FNOR

Depth	Physical Rock Properties								Lithology
1m:1000m	Natural Gamma 0 API 400 Natural Gamma Repeat 0 API 400	8" Rel. Resistivity 0 Ohm.m 50000 16" Rel. Resistivity 0 Ohm.m 50000 32" Rel. Resistivity 0 Ohm.m 50000 64" Rel. Resistivity 0 Ohm.m 50000	8" Rel. Res. Repeat 0 Ohm.m 50000 16" Rel. Res. Repeat 0 Ohm.m 50000 32" Rel. Res. Repeat 0 Ohm.m 50000 64" Rel. Res. Repeat 0 Ohm.m 50000	MS 0 SIx10-3 100 MS Repeat 0 SIx10-3 100	Chargeability 0 ms 100 Chargeability Repeat 0 ms 100	SP 0 mV 1000 SP Repeat 0 mV 1000	SP Resistance 0 Ohm 10000 SP Resistance Repeat 0 Ohm 10000	Rock Type
1040									
1060									
1080									FLT
1100									LGBX
1120									FNOR
1140									SHR
1160									FNOR
1180									FLT
1200									FNOR
1220									
1240									
1260									
1280									APL
1300									LGBX
1320									DIA
1340									LGBX
1360									
1380									
1400									FLT
									GR

Depth	Physical Rock Properties							Lithology
1m:1000m	Natural Gamma 0 API 400	8" Rel. Resistivity 0 Ohm.m 50000	8" Rel. Res. Repeat 0 Ohm.m 50000	MS 0 SIx10-3 100	Chargeability 0 ms 100	SP 0 mV 1000	SP Resistance 0 Ohm 10000	Rock Type
	Natural Gamma Repeat 0 API 400	16" Rel. Resistivity 0 Ohm.m 50000	16" Rel. Res. Repeat 0 Ohm.m 50000	MS Repeat 0 SIx10-3 100	Chargeability Repeat 0 ms 100	SP Repeat 0 mV 1000	SP Resistance Repeat 0 Ohm 10000	
		32" Rel. Resistivity 0 Ohm.m 50000	32" Rel. Res. Repeat 0 Ohm.m 50000					
		64" Rel. Resistivity 0 Ohm.m 50000	64" Rel. Res. Repeat 0 Ohm.m 50000					

1420
1440
1460
1480
1500
1520
1540
1560
1580
1600
1620
1640
1660
1680
1700
1720
1740
1760
1780

DIA
GR
FLT
GRPH
FLT
GRPH


Depth
1m:1000m
Physical Rock Properties
Lithology
Natural Gamma
0 API 400
Natural Gamma Repeat
0 API 400
8" Rel. Resistivity
0 Ohm.m 50000
16" Rel. Resistivity
0 Ohm.m 50000
32" Rel. Resistivity
0 Ohm.m 50000
64" Rel. Resistivity
0 Ohm.m 50000
8" Rel. Res. Repeat
0 Ohm.m 50000
16" Rel. Res. Repeat
0 Ohm.m 50000
32" Rel. Res. Repeat
0 Ohm.m 50000
64" Rel. Res. Repeat
0 Ohm.m 50000
MS
0 SIx10-3 100
MS Repeat
0 SIx10-3 100
Chargeability
0 ms 100
Chargeability Repeat
0 ms 100
SP
0 mV 1000
SP Repeat
0 mV 1000
SP Resistance
0 Ohm 10000
SP Resistance Repeat
0 Ohm 10000
Rock Type
1800
1820
1840
1860
1880
1900

APPENDIX V

BHEM Results

Sudbury Operations

Hole Number:	**T-062**
Collar Coord:	462962E **5145418**N 362m
Dip:	-89
Azimuth:	120
Depth:	1880m
Zone:	

Loop Size:	1km x 1km
Loop Name	1901/1902
Freq:	4Hz
APPROVED Plan Attached	

Data Quality: Excellent

Conductor	Elevation	Type	Direction	Distance	Strength	Size	Comments
T062_1	1780m	off	90	200m	150 S/m	600mX600m	???

Comments and Recommendations:

T-062 was surveyed with loops 1901 and 1902 at 4hz.This hole was testing AMT anomaly interpreted from a previous AMT survey carried out in 2014. It appears that the 1901 loop is nearly null coupled and that the 1902 loop response shows a distant off-hole response. This correlates with the interpreted geology in the area. The off hole response appear to be approximately 200m east of the hole and appears to be 150 S/m and 600mX600m in size. The low conductance could be due to the distance away from the hole and could be better once we intersect the zone.

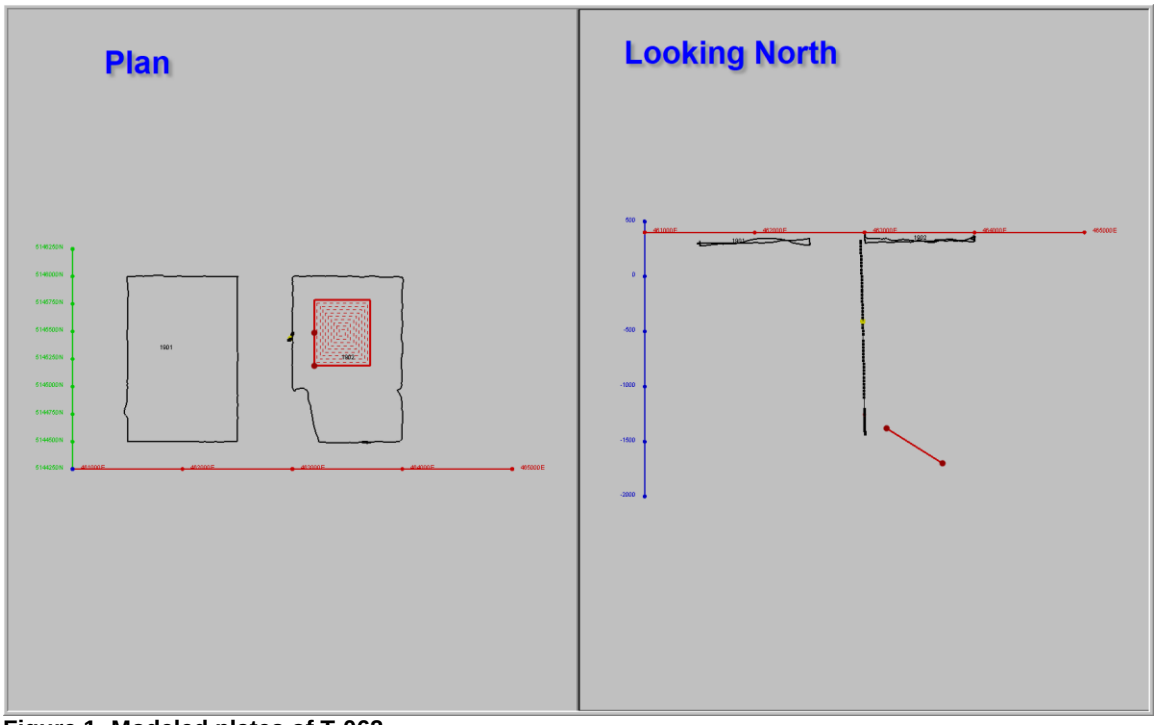


Figure 1: Modeled plates of T-062.

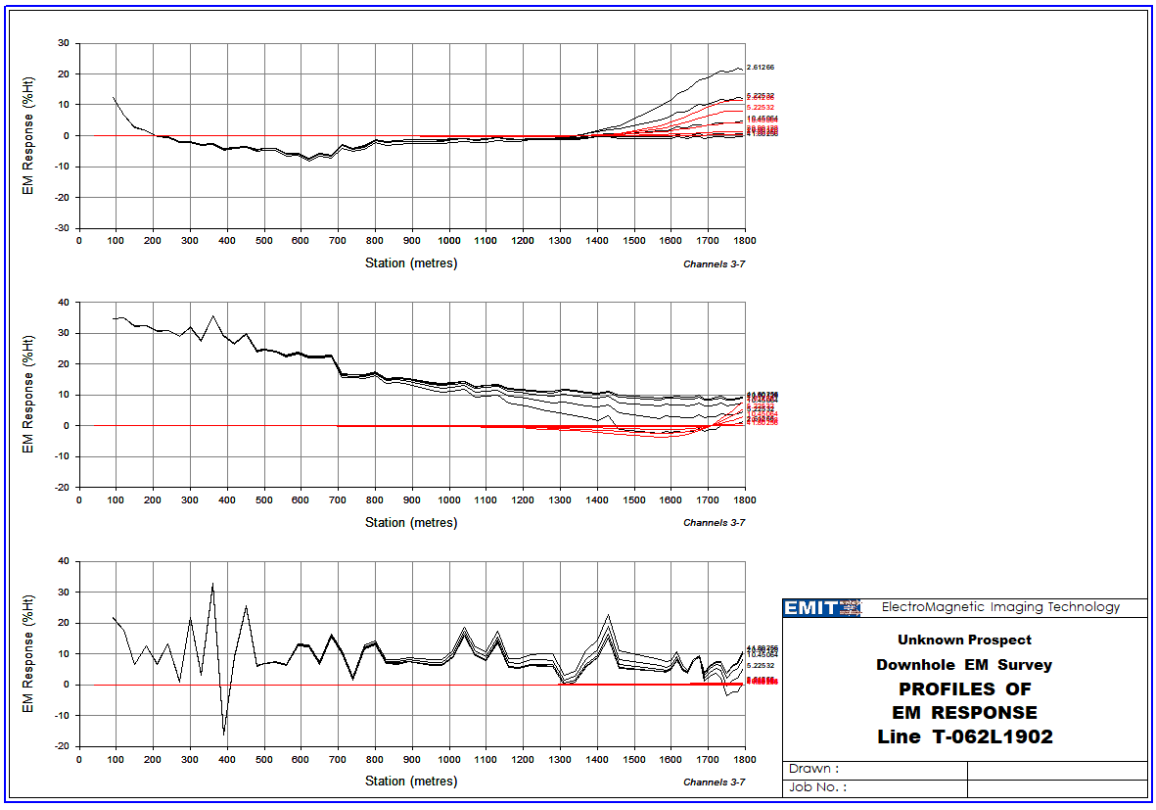
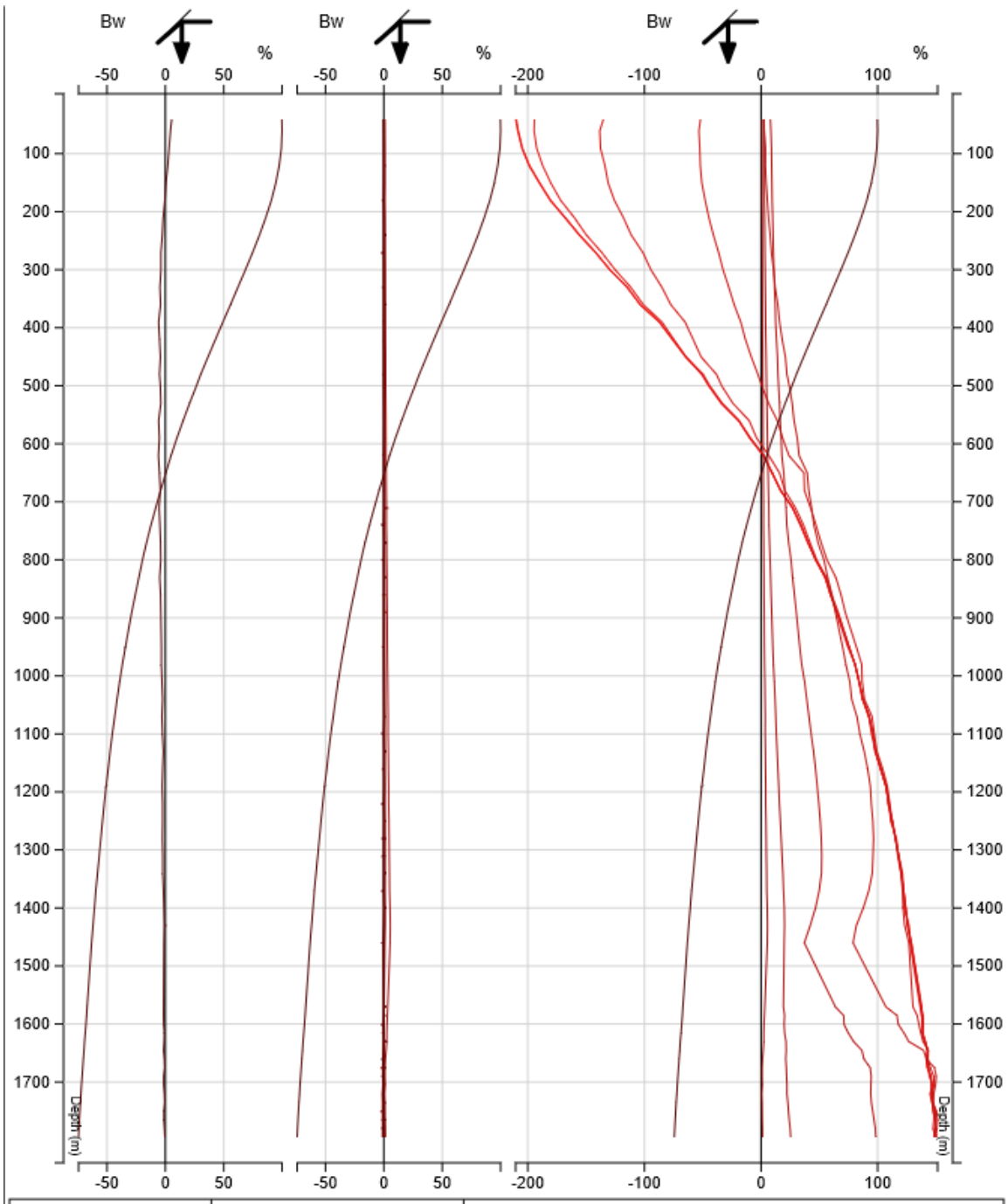
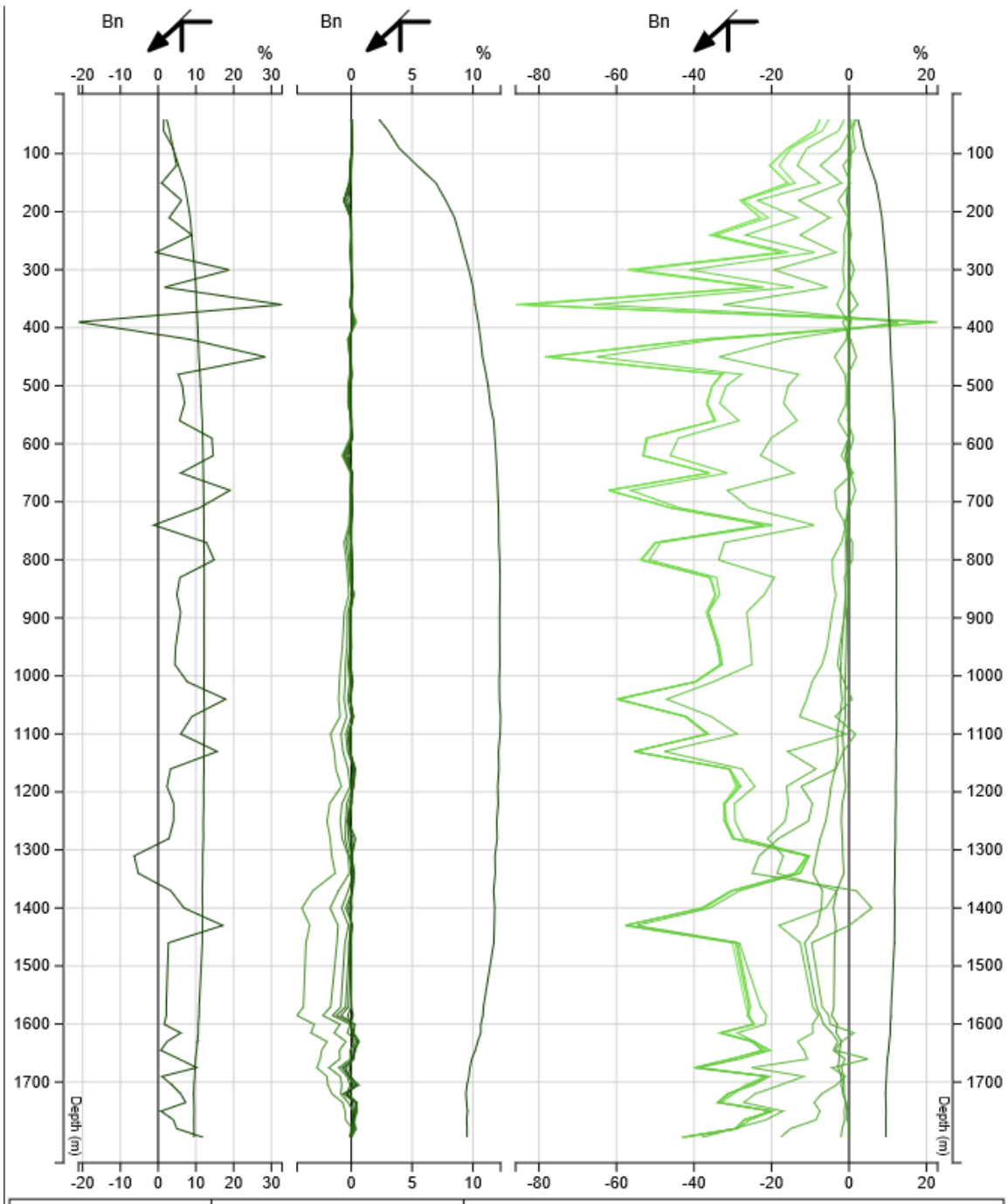


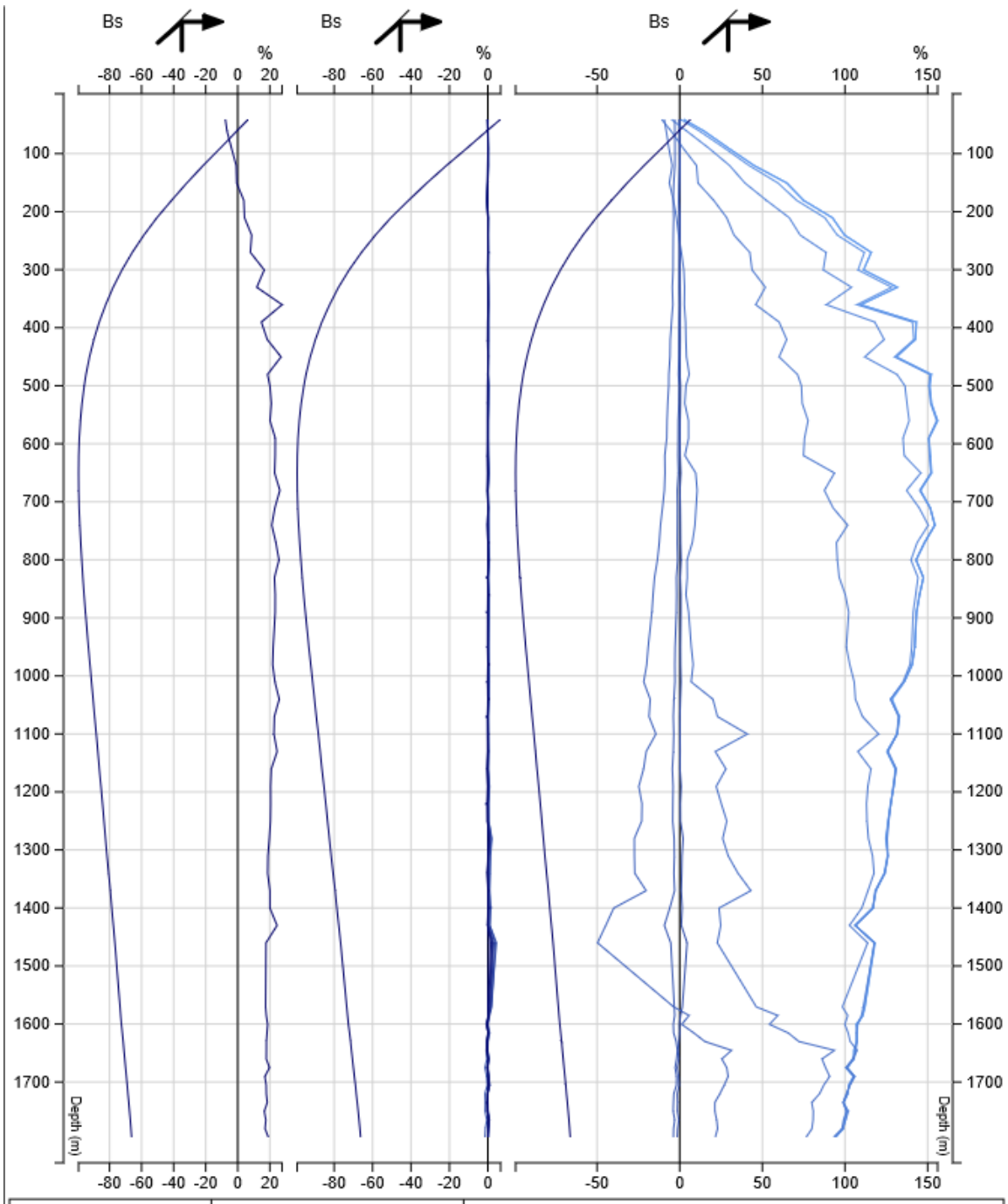
Figure 2: Profiles of T-062 loop 1902.



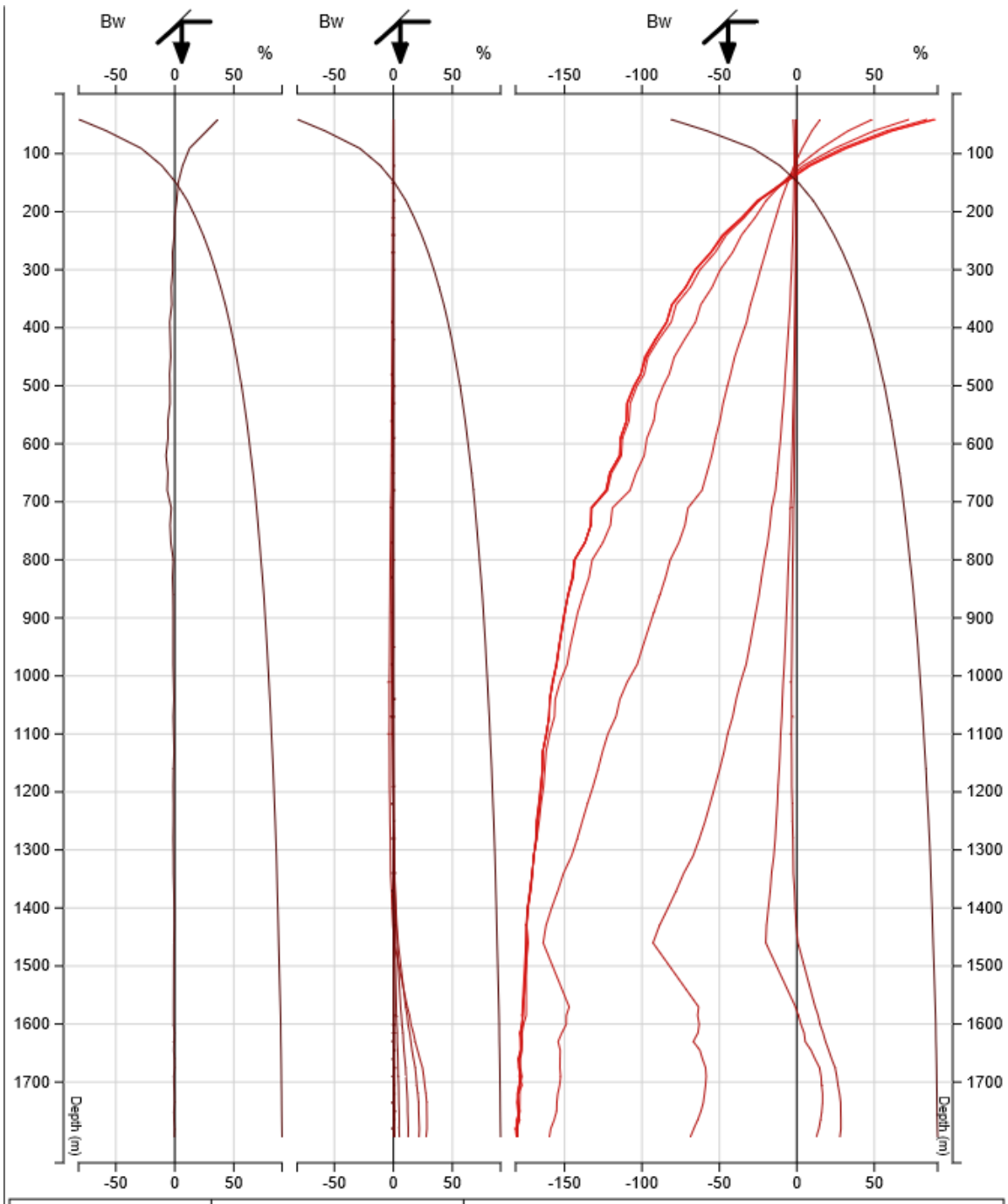
Hole: T-062 Loop: 1901 Cpt: Bw S 0.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 3.75Hz aS2Lp1901_HT-062.3cH5 / 3-Axis tradeoff (3)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD., GEOPHYSIQUE LTEE. Job 1904 Surv: 23/8/18 Red: 27/5/19 Plot: 5/8/19



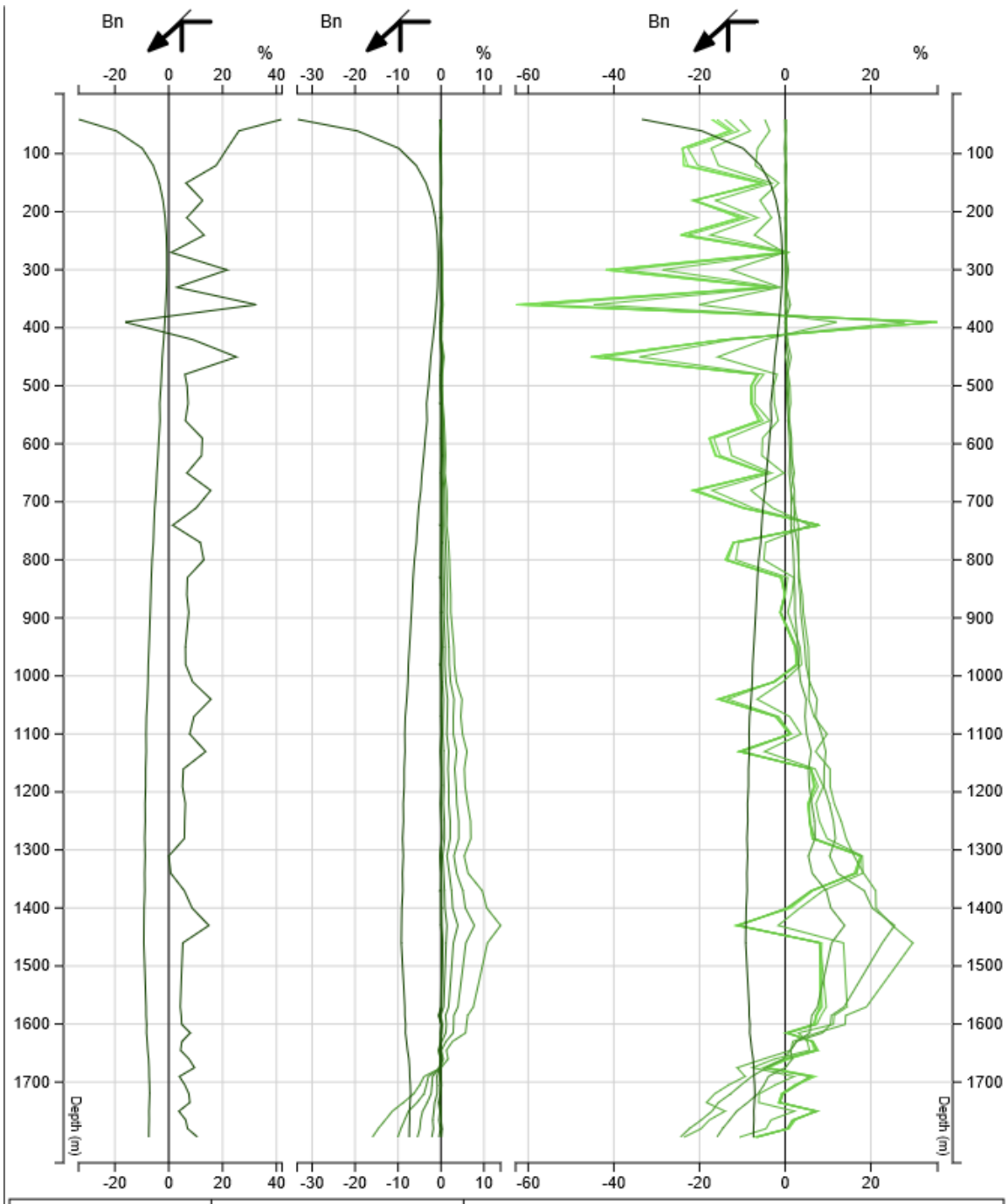
Hole: T-062 Loop: 1901 Cpt: Bn S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 3.75Hz aS2Lp1901_HT-062.3cH5 / 3-Axis tradeoff (2)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD., GEOPHYSIQUE LTEE. Job 1904 Surv: 23/8/18 Red: 27/5/19 Plot: 5/8/19



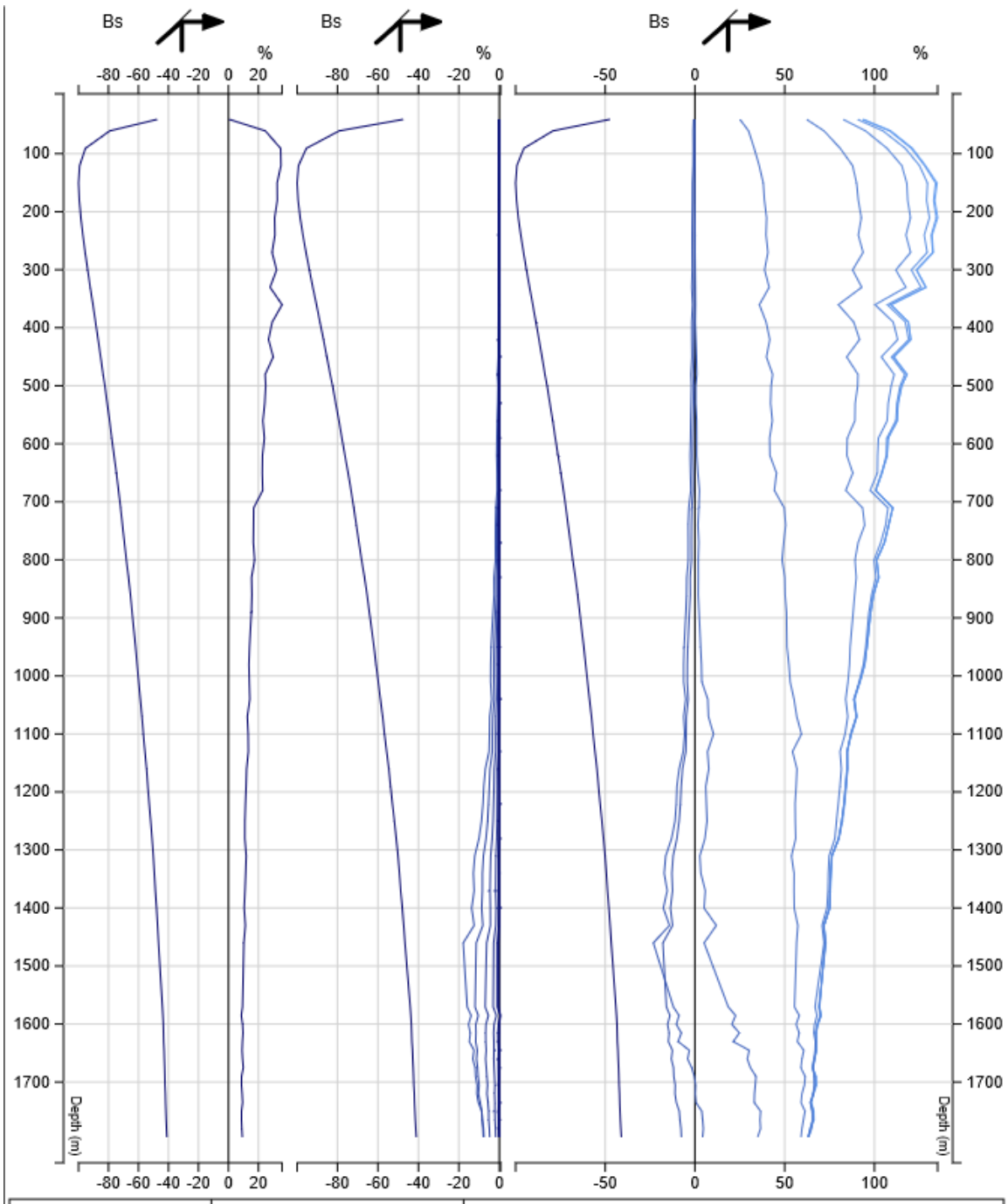
Hole: T-062 Loop: 1901 Cpt: Bs S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 3.75Hz aS2Lp1901_HT-062.3cH5 / 3-Axis tradeoff (1)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD., GEOPHYSIQUE LTEE. Job 1904 Surv: 23/8/18 Red: 27/5/19 Plot: 5/8/19



Hole: T-062 Loop: 1902 Cpt: Bw S 0.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 4.6875Hz aS1Lp1902_HT-062.3cH5 / 3-Axis tradeoff (3)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD., GEOPHYSIQUE LTÉE. Job 1904 Surv: 23/8/18 Red: 27/5/19 Plot: 5/8/19



Hole: T-062 Loop: 1902 Cpt: Bn S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 4.6875Hz aS1Lp1902_HT-062.3cH5 / 3-Axis tradeoff (2)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD., GEOPHYSIQUE LTÉE. Job 1904 Surv: 23/8/18 Red: 27/5/19 Plot: 5/8/19



Hole: T-062 Loop: 1902 Cpt: Bs S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 4.6875Hz aS1Lp1902_HT-062.3cH5 / 3-Axis tradeoff (1)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD., GEOPHYSIQUE LTÉE. Job 1904 Surv: 23/8/18 Red: 27/5/19 Plot: 5/8/19

Sudbury Operations

Hole Number:	**T-063**
Collar Coord:	462962E **5145418**N 362m
Dip:	-89
Azimuth:	120
Depth:	1880m
Zone:	

Loop Size:	1km x 1km
Loop Name	1901/1902
Freq:	4Hz
APPROVED Plan Attached	

Data Quality: Excellent

Conductor	Elevation	Type	Direction	Distance	Strength	Size	Comments
T063_1	1750m	off	40	80m	550 S/m	500mX300m	???

Comments and Recommendations:

T-063 was surveyed with loops 1901 and 1902 at 4hz.This hole was testing AMT anomaly interpreted from a previous AMT survey carried out in 2014. It appears that the 1901 loop is nearly null coupled and that the 1902 loop response shows a distant off-hole response. This correlates with the interpreted geology in the area. The off hole response appear to be approximately 80m north east of the hole and appears to be 550 S/m and 500mX300m in size.

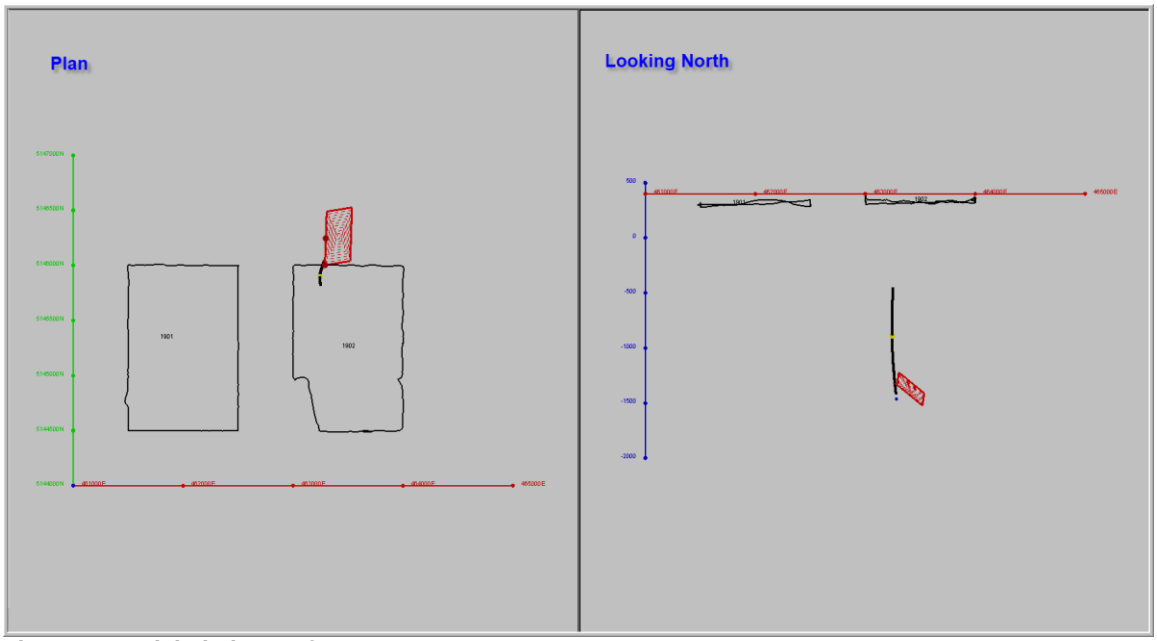


Figure 1: Modeled plates of T-063.

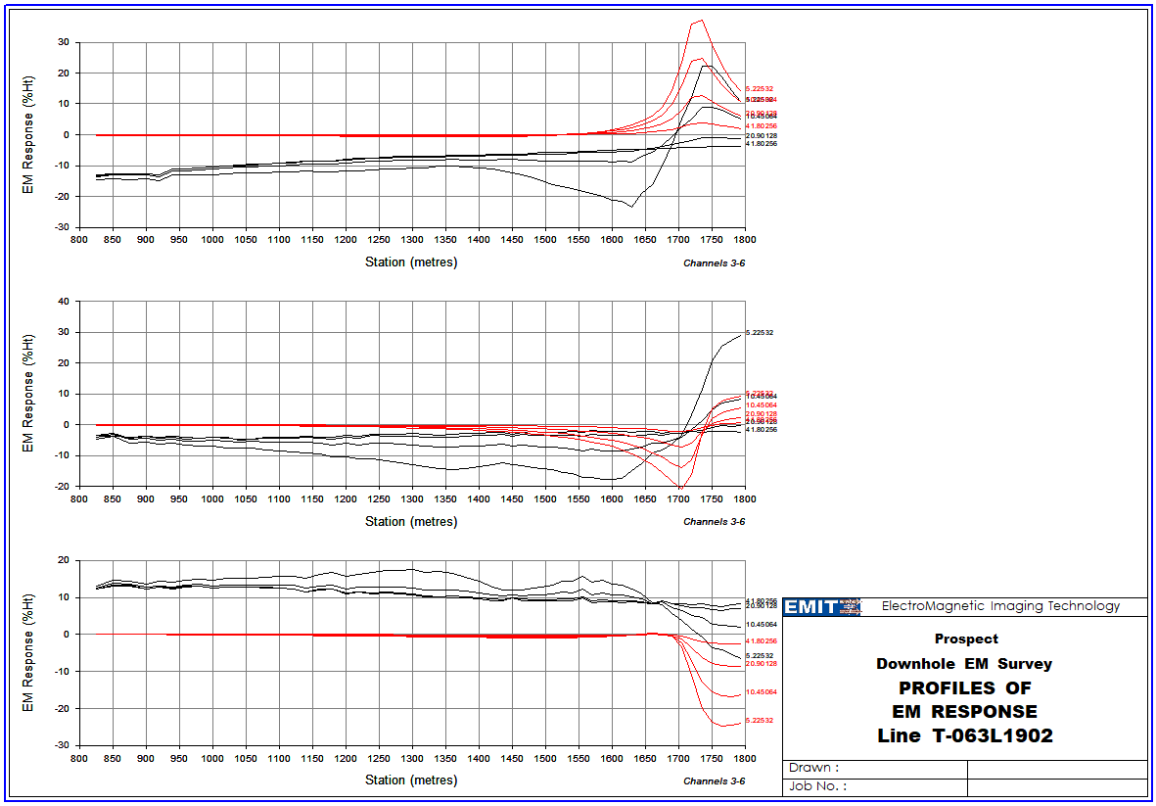
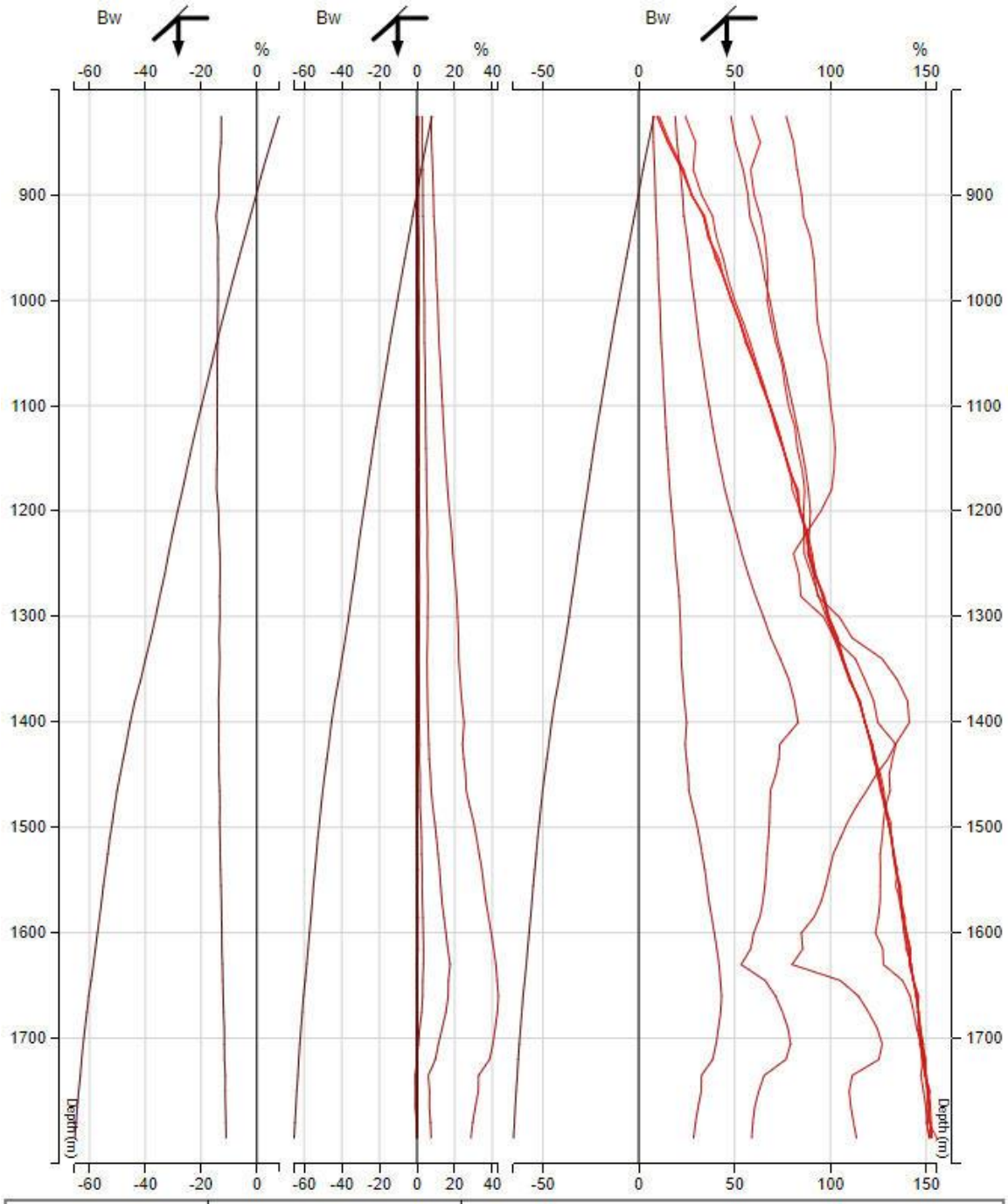
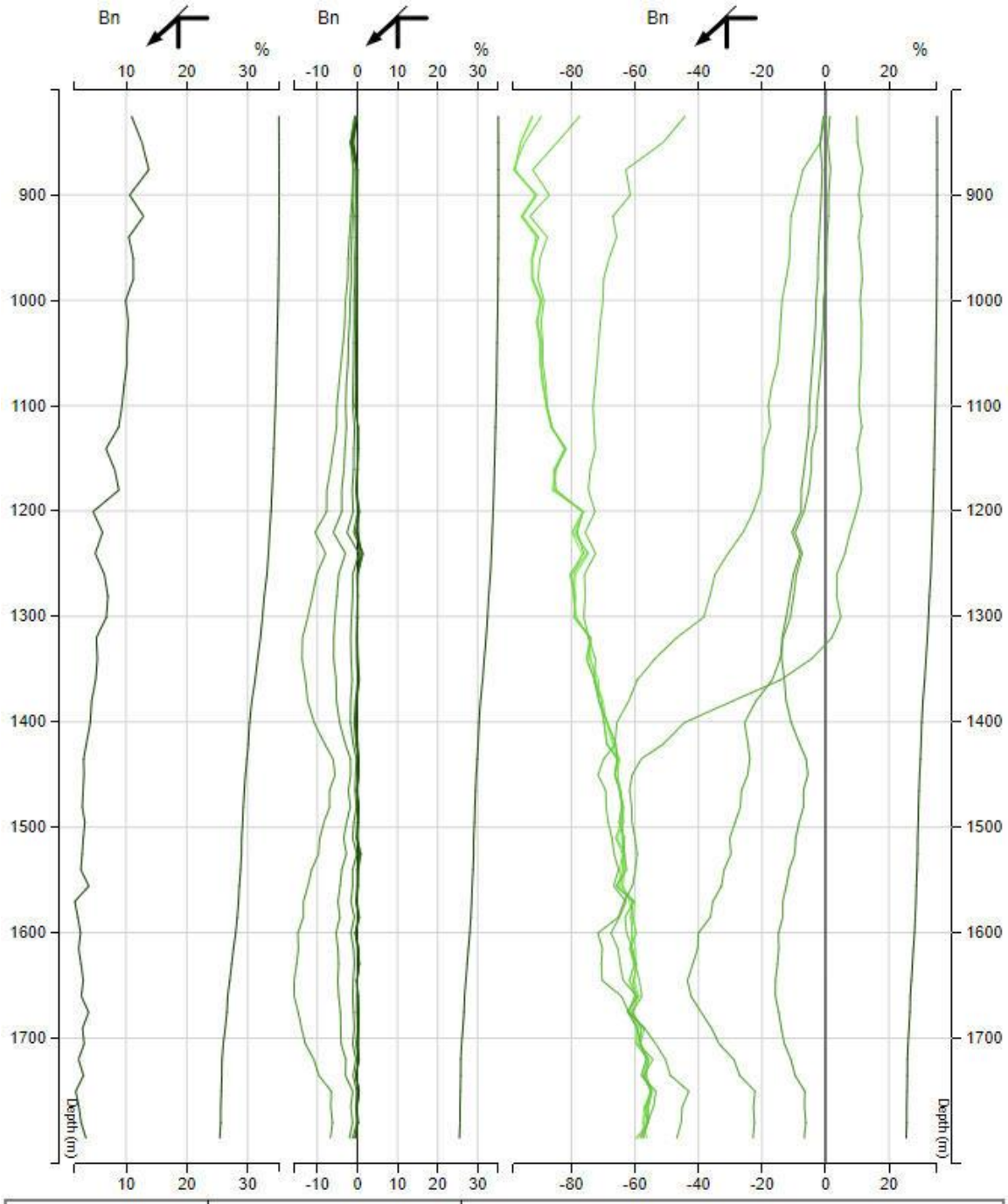


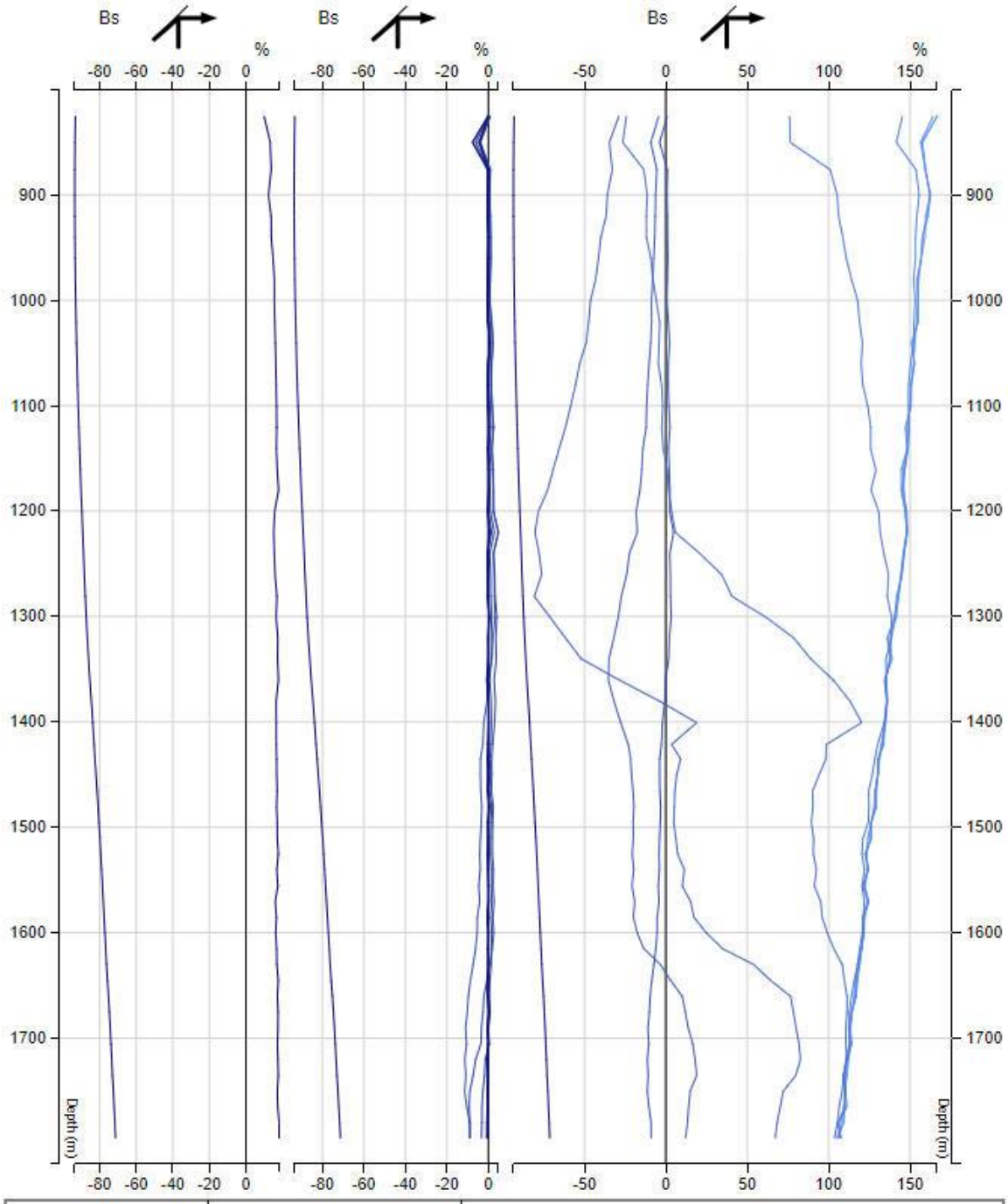
Figure 2: Profiles of T-063 loop 1902.



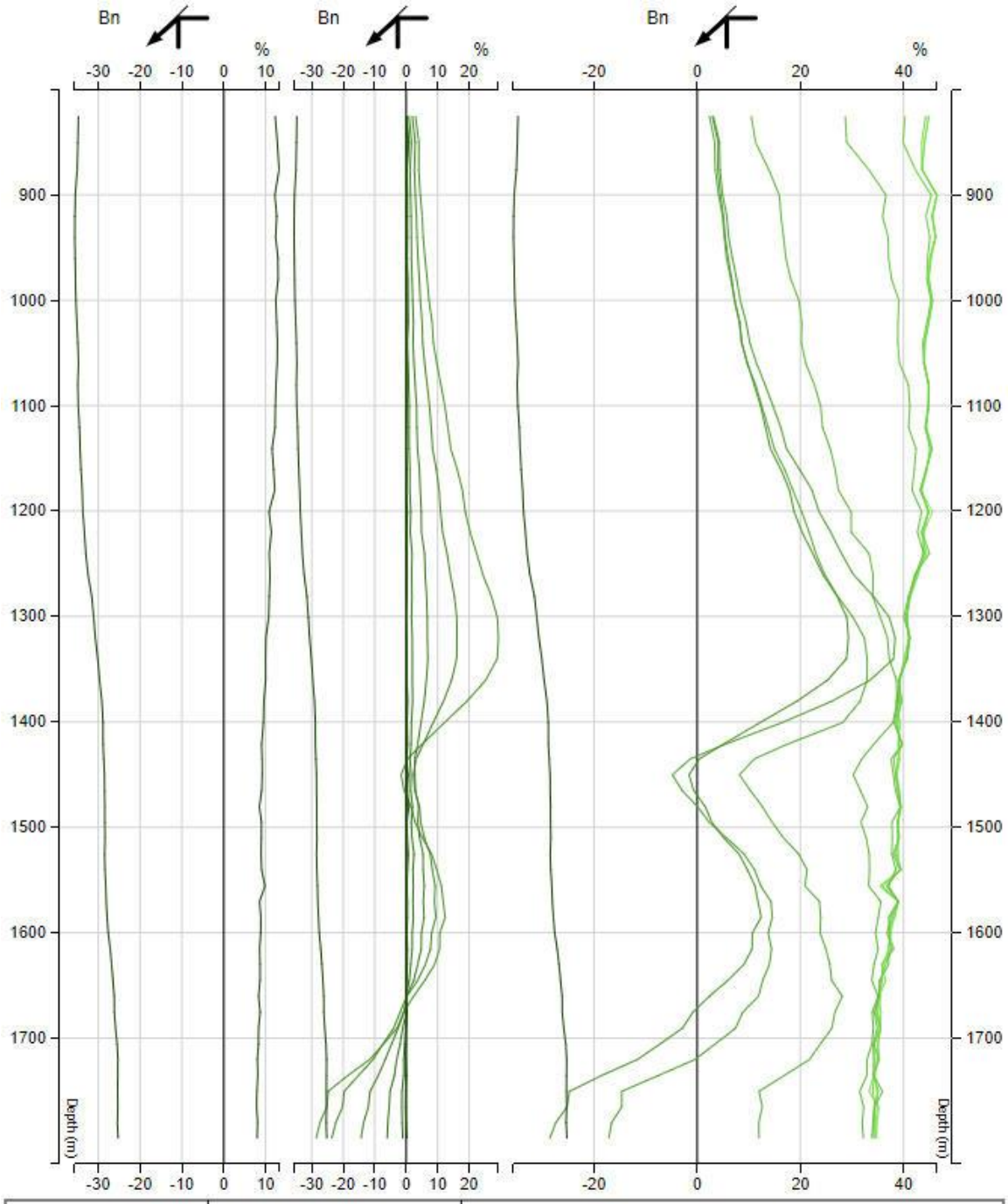
Hole: T-063 Loop: 1901 Cpt: Bw S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 3.75Hz aS2Lp1901_HT-063.3cH5 / 3-Axis tradeoff (3)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD. GEOPHYSIQUE LTEE. Job 1904 Surv: 18/11/18 Red: 21/8/19 Plot: 28/7/20



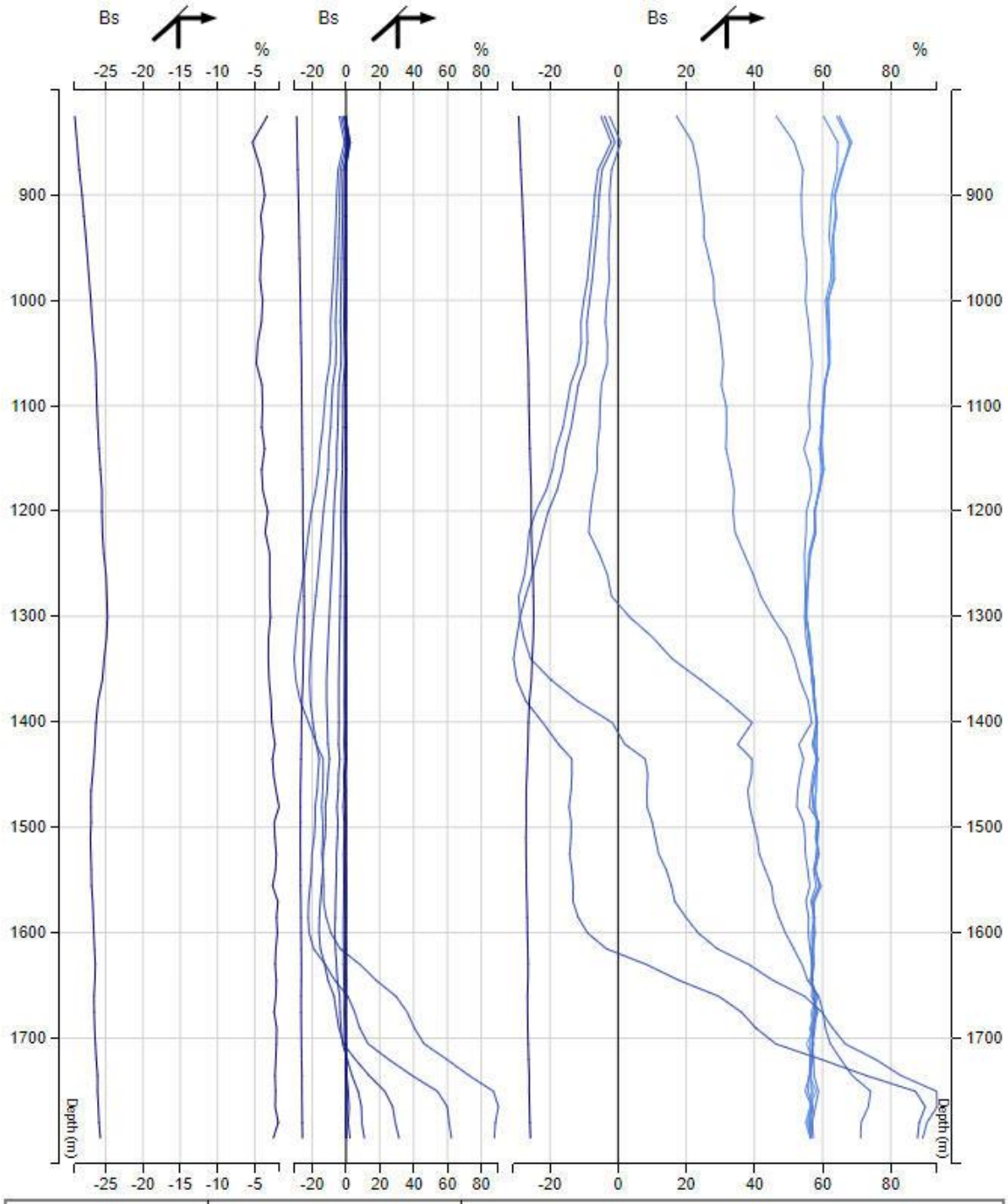
Hole: T-063 Loop: 1901 Cpt: Bn S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 3.75Hz aS2Lp1901_HT-063.3cH5 / 3-Axis tradeoff (2)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD. GEOPHYSIQUE LTEE. Job 1904 Surv: 18/11/18 Red: 21/8/19 Plot: 28/7/20



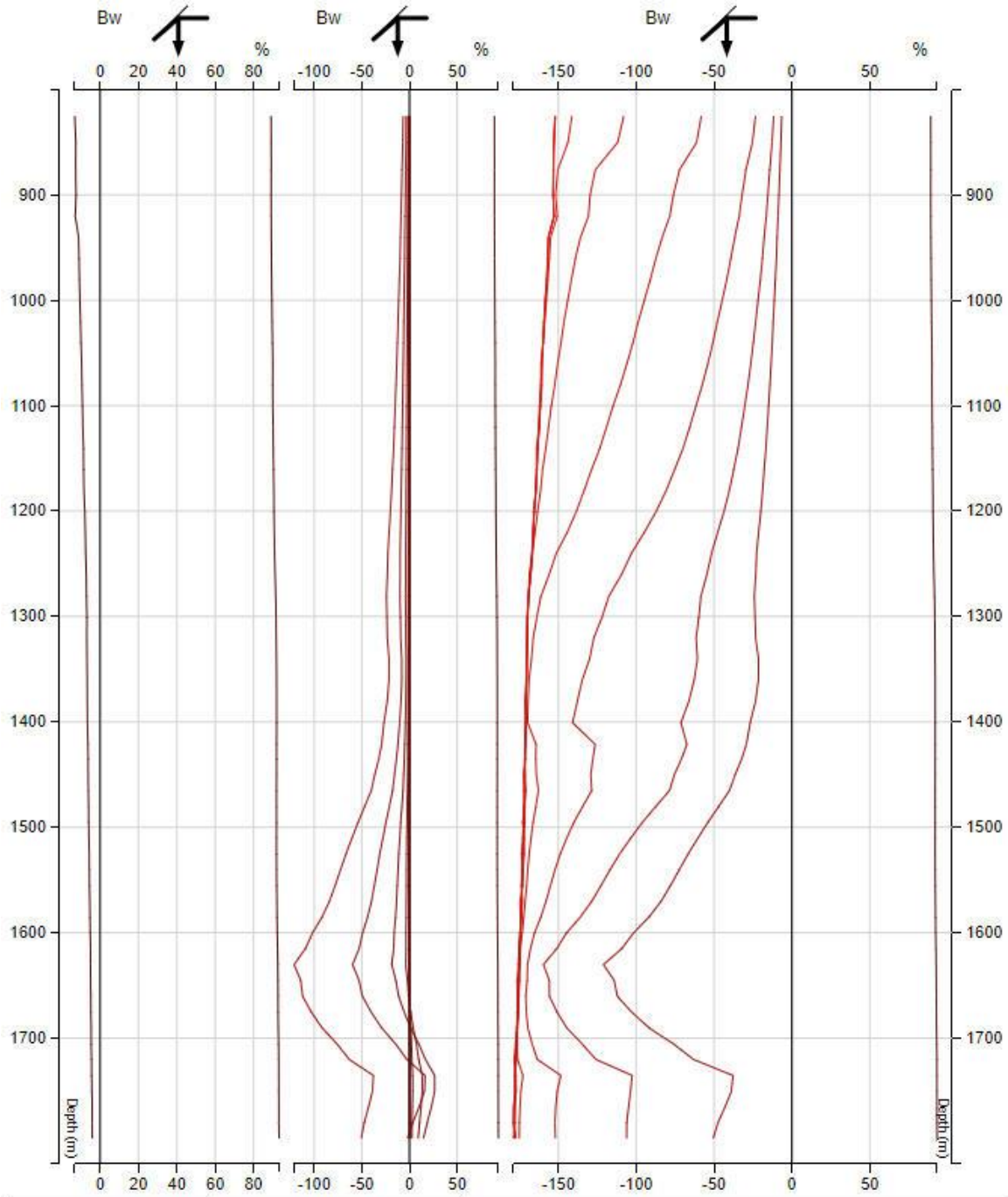
Hole: T-063 Loop: 1901 Cpt: Bs S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 3.75Hz aS2Lp1901_HT-063.3cH5 / 3-Axis tradeoff (1)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD. GEOPHYSIQUE LTEE. Job 1904 Surv: 18/11/18 Red: 21/8/19 Plot: 28/7/20



Hole: T-063 Loop: 1902 Cpt: Bn S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 4.6875Hz aS1Lp1902_HT-063.3cH5 / 3-Axis tradeoff (2)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD. GEOPHYSIQUE LTÉE. Job 1904 Surv: 18/11/18 Red: 21/8/19 Plot: 28/7/20



Hole: T-063 Loop: 1902 Cpt: Bs S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 4.6875Hz s51Lp1902_HT-063.3cH5 / 3-Axis tradeoff (1)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD. GEOPHYSIQUE LTEE. Job 1904 Surv: 18/11/18 Red: 21/8/19 Plot: 28/7/20



Hole: T-063 Loop: 1902 Cpt: Bw S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 4.6875Hz aS1Lp1902_HT-063.3cH5 / 3-Axis tradeoff (3)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD. GEOPHYSIQUE LTÉE. Job 1904 Surv: 18/11/18 Red: 21/8/19 Plot: 28/7/20

Sudbury Operations

Hole Number:	**T-064**
Collar Coord:	462585E **5145338**N 300m
Dip:	-89
Azimuth:	104
Depth:	1911m
Zone:	

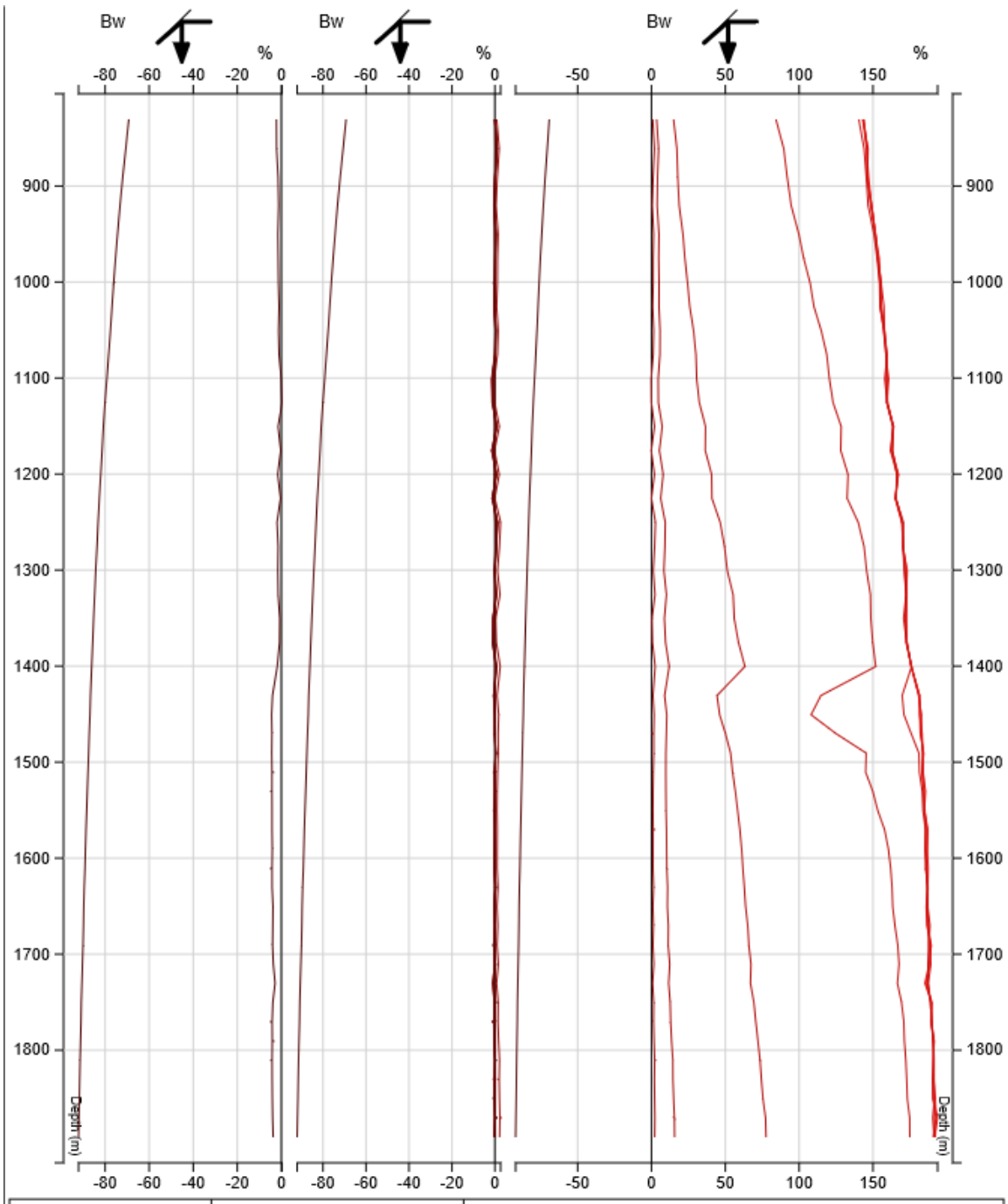
Loop Size:	1km x 1km
Loop Name	1901/1902
Freq:	4Hz
APPROVED Plan Attached	

Data Quality: Excellent

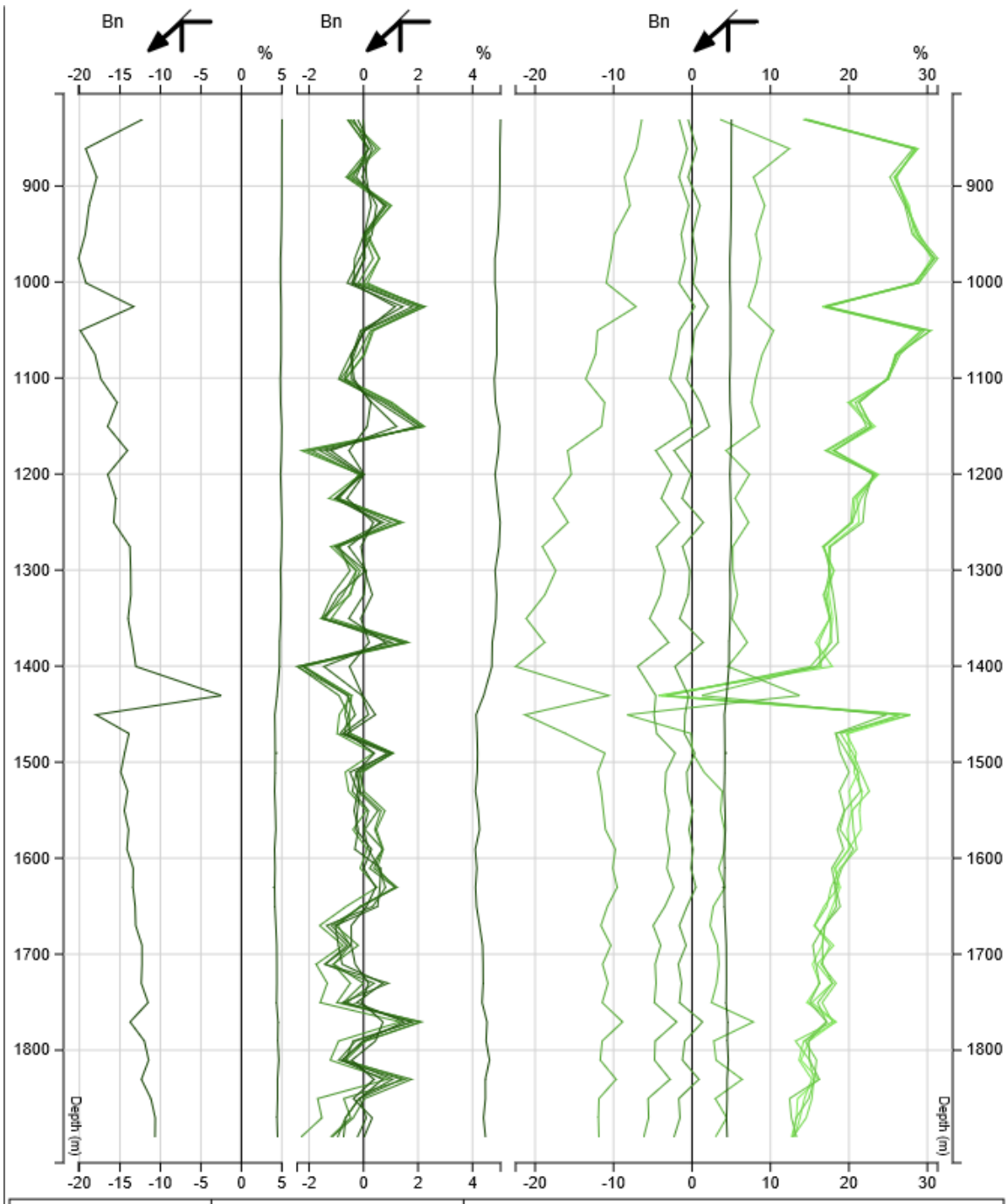
Conductor	Elevation	Type	Direction	Distance	Strength	Size	Comments

Comments and Recommendations:

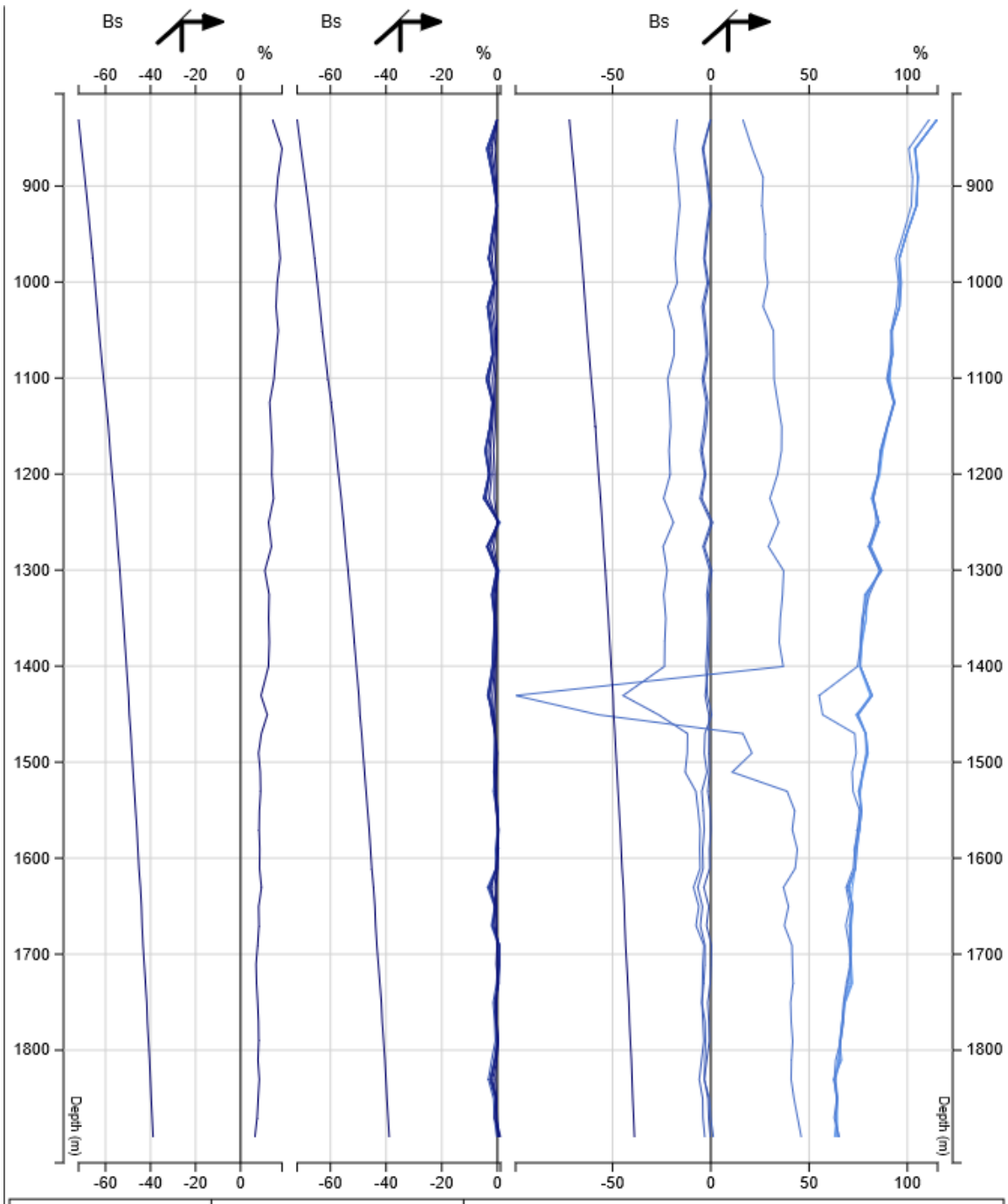
T-064 was surveyed with loops 1901 and 1902 at 4hz. No anomalies present. No follow-up required.



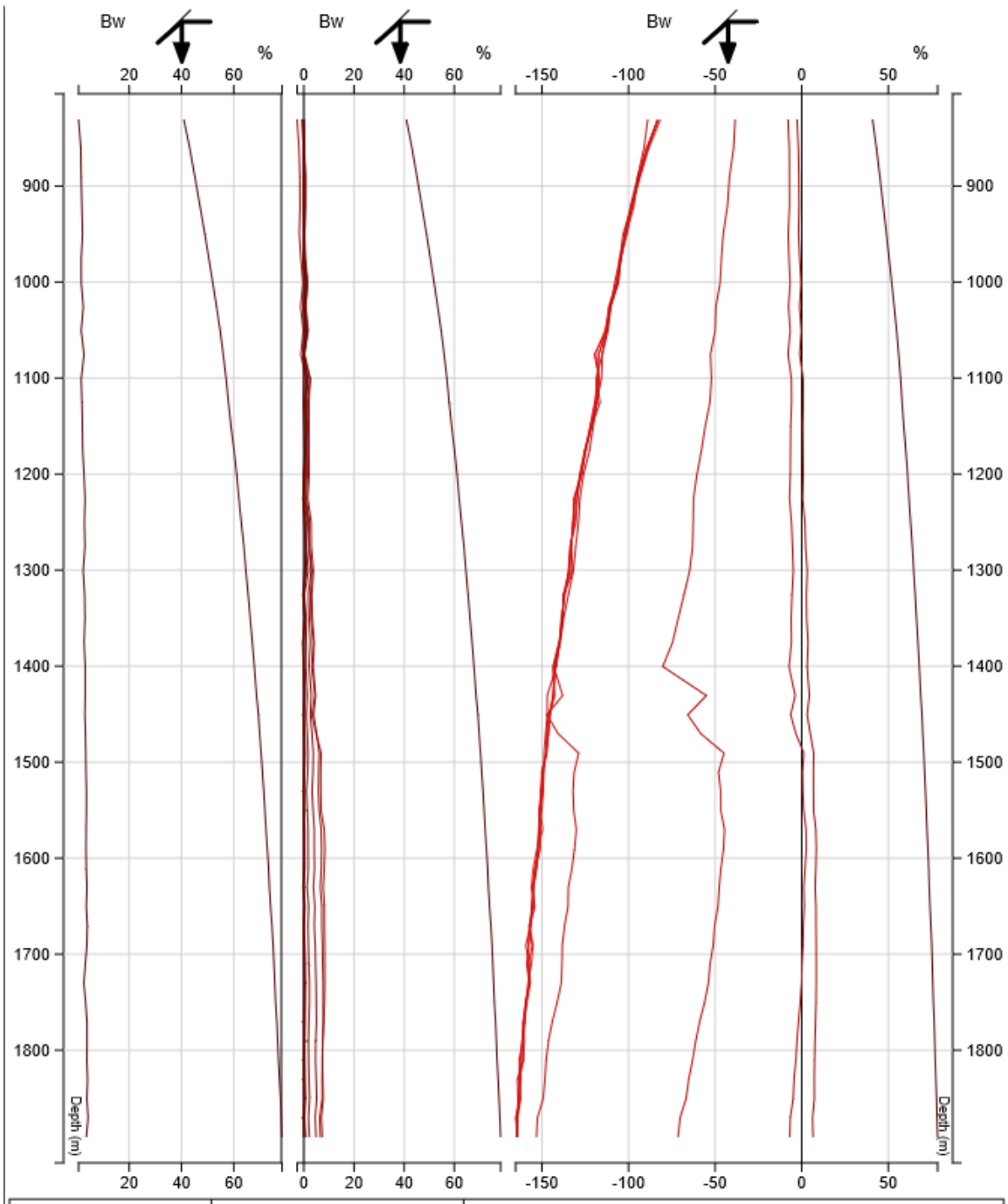
Hole: T-064 Loop: 1901 Cpt: Bw S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 3.75Hz aS2Lp1901_HT-064.3cH5 / 3-Axis tradeoff (3)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD., GEOPHYSIQUE LTÉE. Job 1904 Surv: 15/10/18 Red: 18/7/19 Plot: 29/7/19



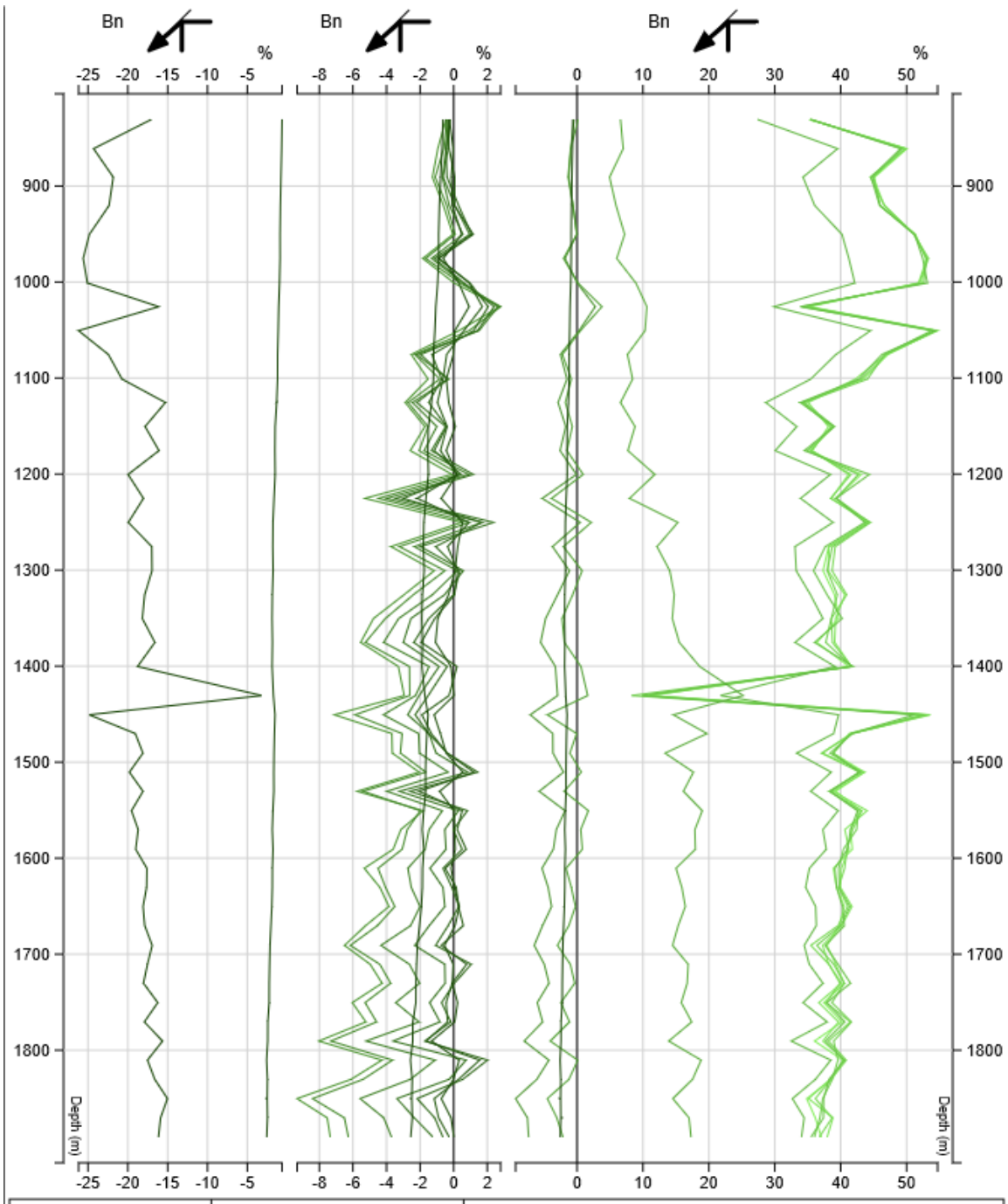
Hole: T-064 Loop: 1901 Cpt: Bn S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 3.75Hz aS2Lp1901_HT-064.3cH5 / 3-Axis tradeoff (2)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD., GEOPHYSIQUE LTEE. Job 1904 Surv: 15/10/18 Red: 18/7/19 Plot: 29/7/19



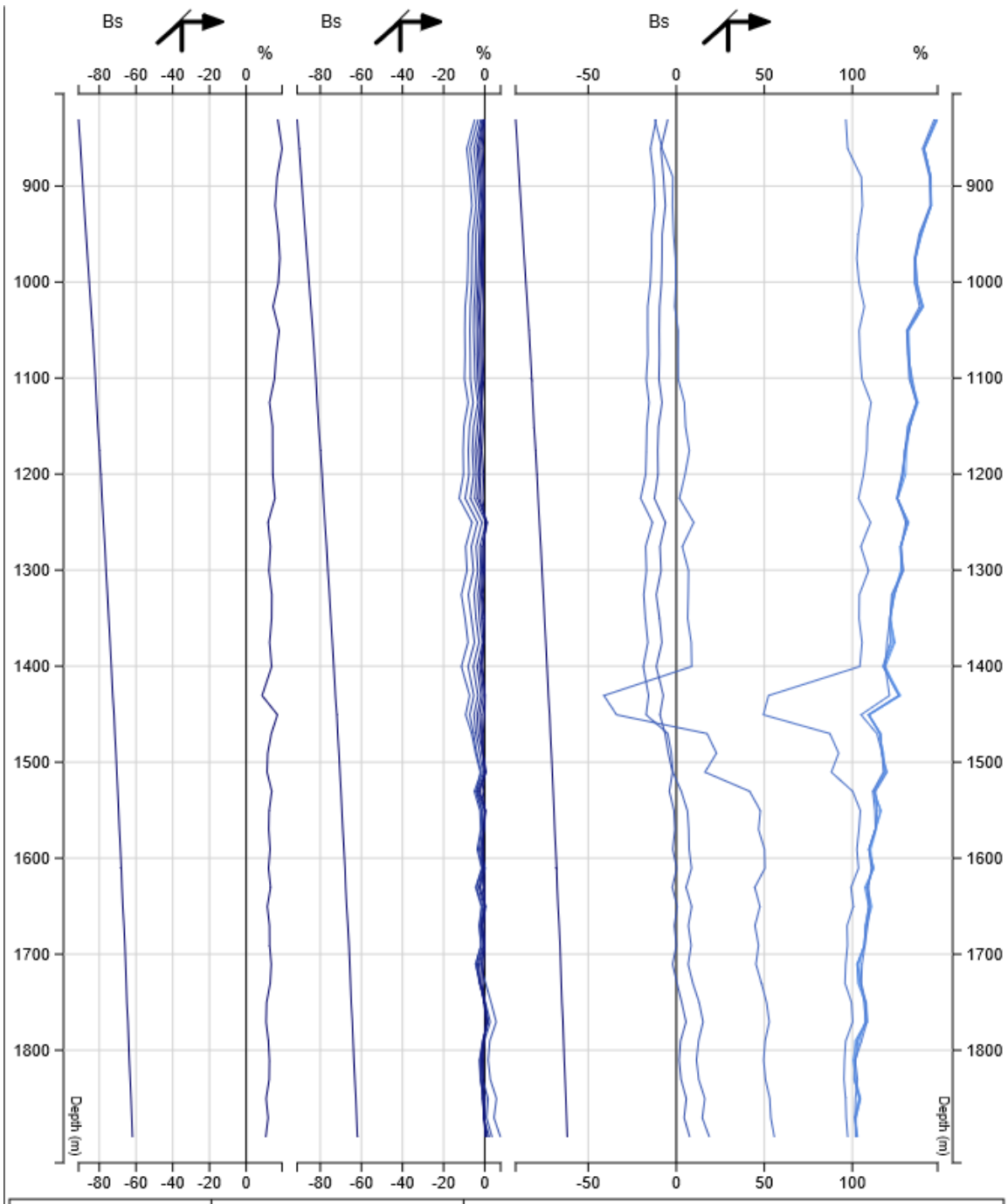
Hole: T-064 Loop: 1901 Cpt: Bs S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 3.75Hz aS2Lp1901_HT-064.3cH5 / 3-Axis tradeoff (1)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD., GEOPHYSIQUE LTEE. Job 1904 Surv: 15/10/18 Red: 18/7/19 Plot: 29/7/19



Hole: T-064 Loop: 1902 Cpt: Bw S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 4.6875Hz aS1Lp1902_HT-064.3cH5 / 3-Axis tradeoff (3)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD., GEOPHYSIQUE LTÉE. Job 1904 Surv: 15/10/18 Red: 18/7/19 Plot: 29/7/19



Hole: T-064 Loop: 1902 Cpt: Bn S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 4.6875Hz aS1Lp1902_HT-064.3cH5 / 3-Axis tradeoff (2)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD., GEOPHYSIQUE LTÉE. Job 1904 Surv: 15/10/18 Red: 18/7/19 Plot: 29/7/19



Hole: T-064 Loop: 1902 Cpt: Bs S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 4.6875Hz aS1Lp1902_HT-064.3cH5 / 3-Axis tradeoff (1)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD., GEOPHYSIQUE LTEE. Job 1904 Surv: 15/10/18 Red: 18/7/19 Plot: 29/7/19

Sudbury Operations

Hole Number:	**T-065**
Collar Coord:	463520E **5145294**N 348m
Dip:	-86
Azimuth:	260
Depth:	2025m
Zone:	

Loop Size:	1km x 1km
Loop Name	1901/1902
Freq:	4Hz
APPROVED Plan Attached	

Data Quality: Excellent

Conductor	Elevation	Type	Direction	Distance	Strength	Size	Comments
T062_1	1900m	off	320	90m	500 S/m	400mX300m	???

Comments and Recommendations:

T-065 was surveyed with loops 1901 and 1902 at 4hz.This hole was testing an off-hole associated with T-062. The off hole response appear to be approximately 90m north west of the hole and appears to be 500 S/m and 400mX300m in size. Review of known geology should be reviewed before follow-up is considered.

Figure 1: Modeled plates of T-065.

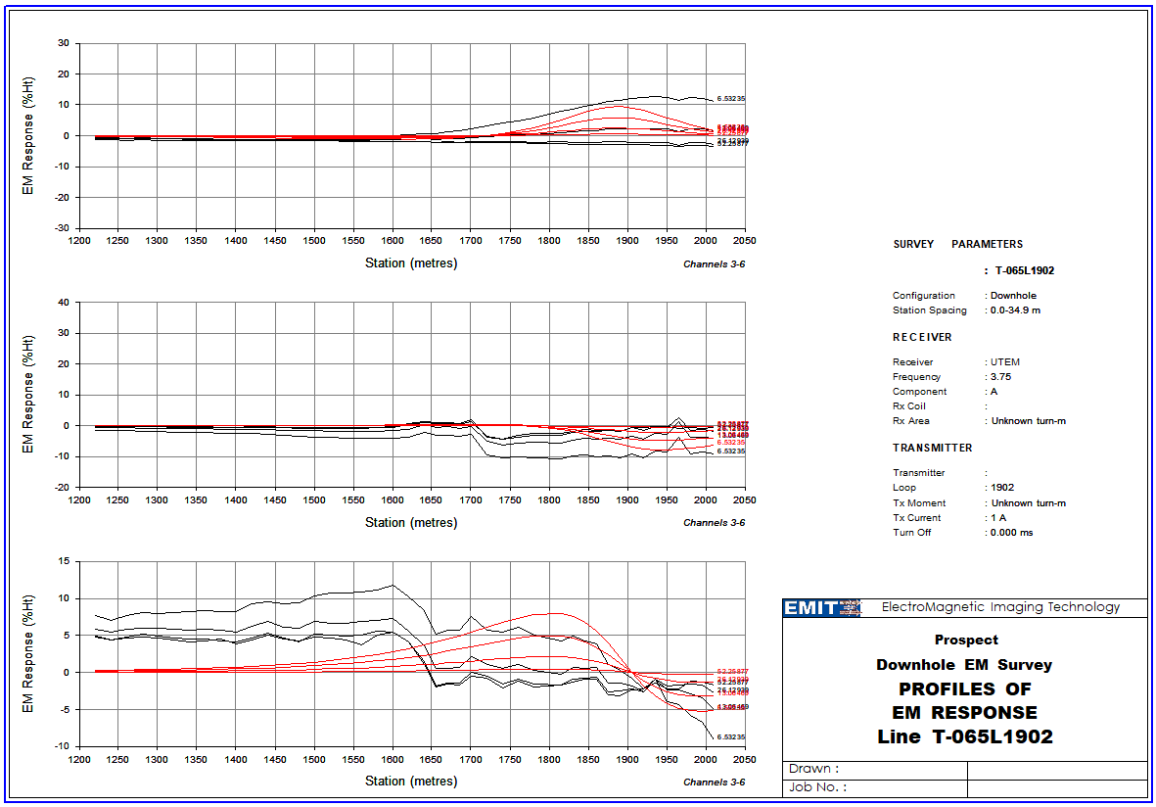
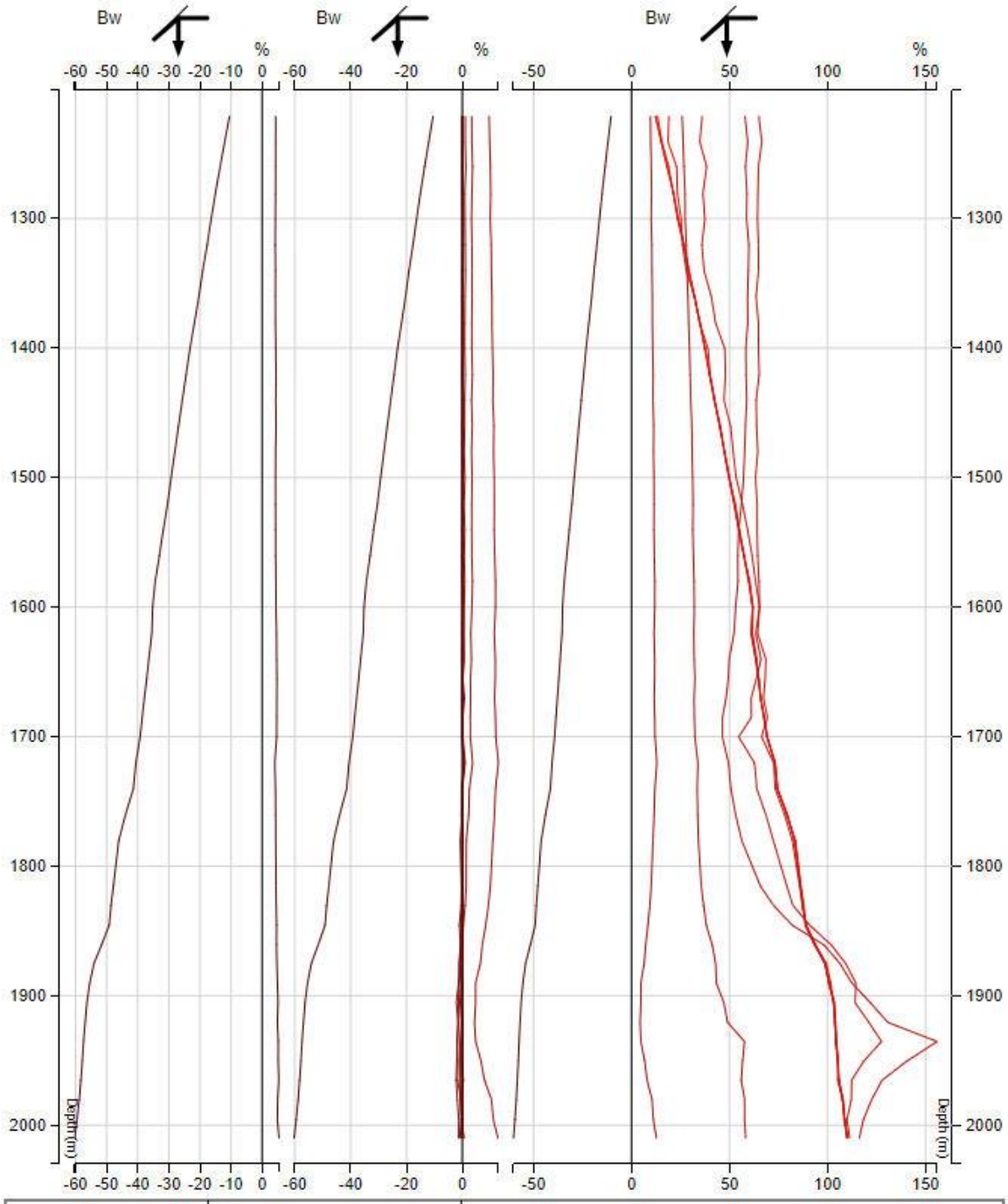
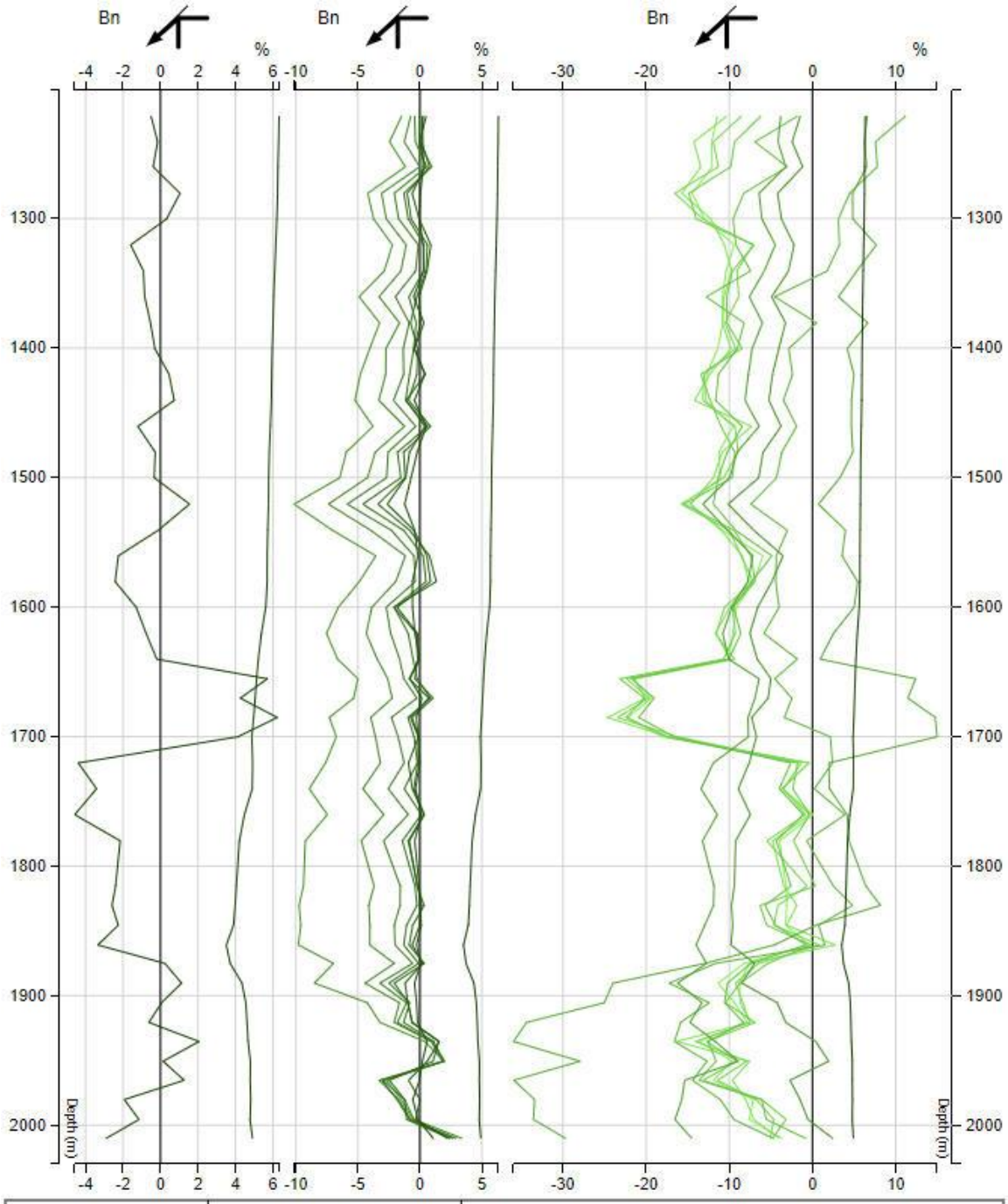


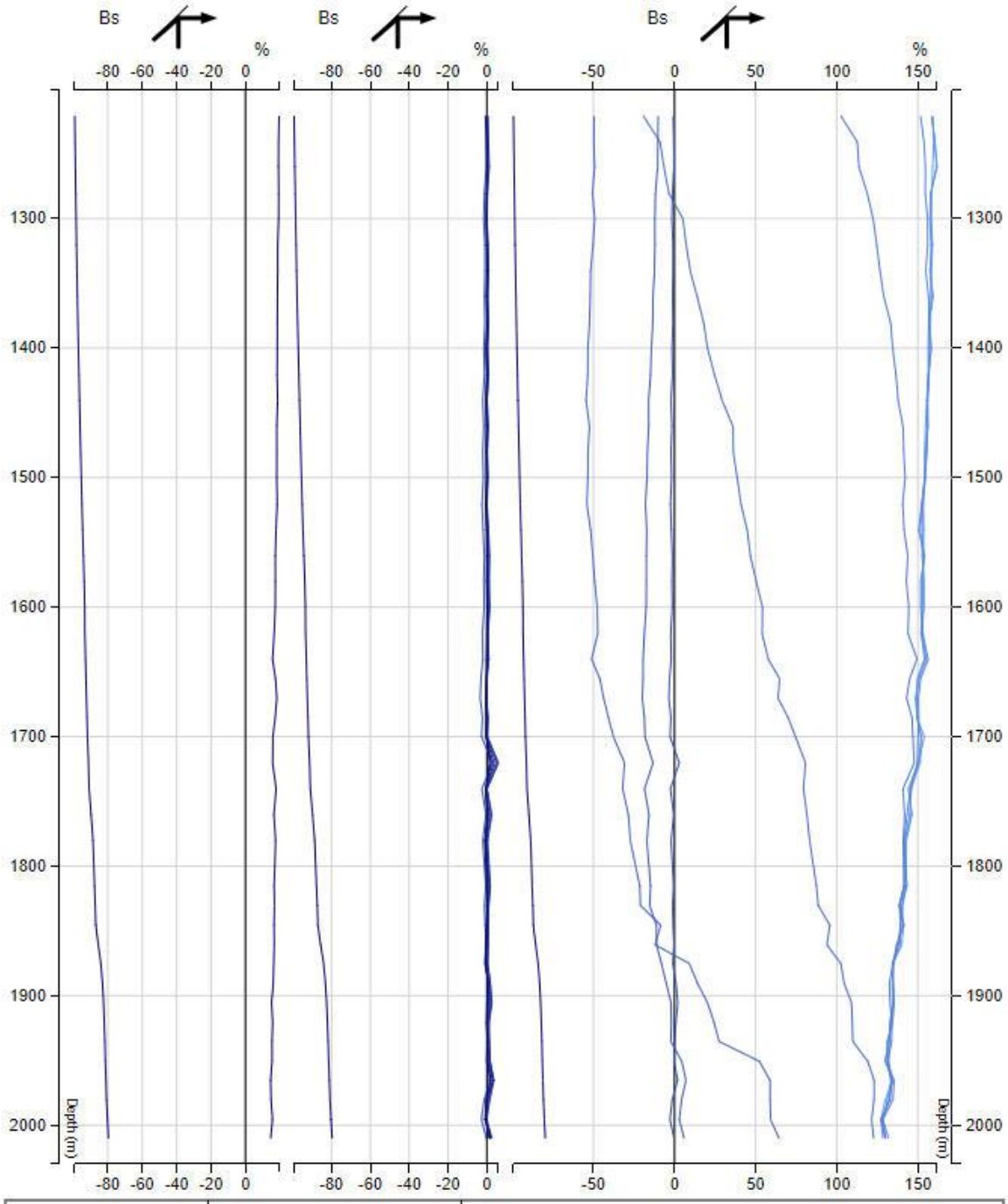
Figure 2: Profiles of T-065 loop 1902.



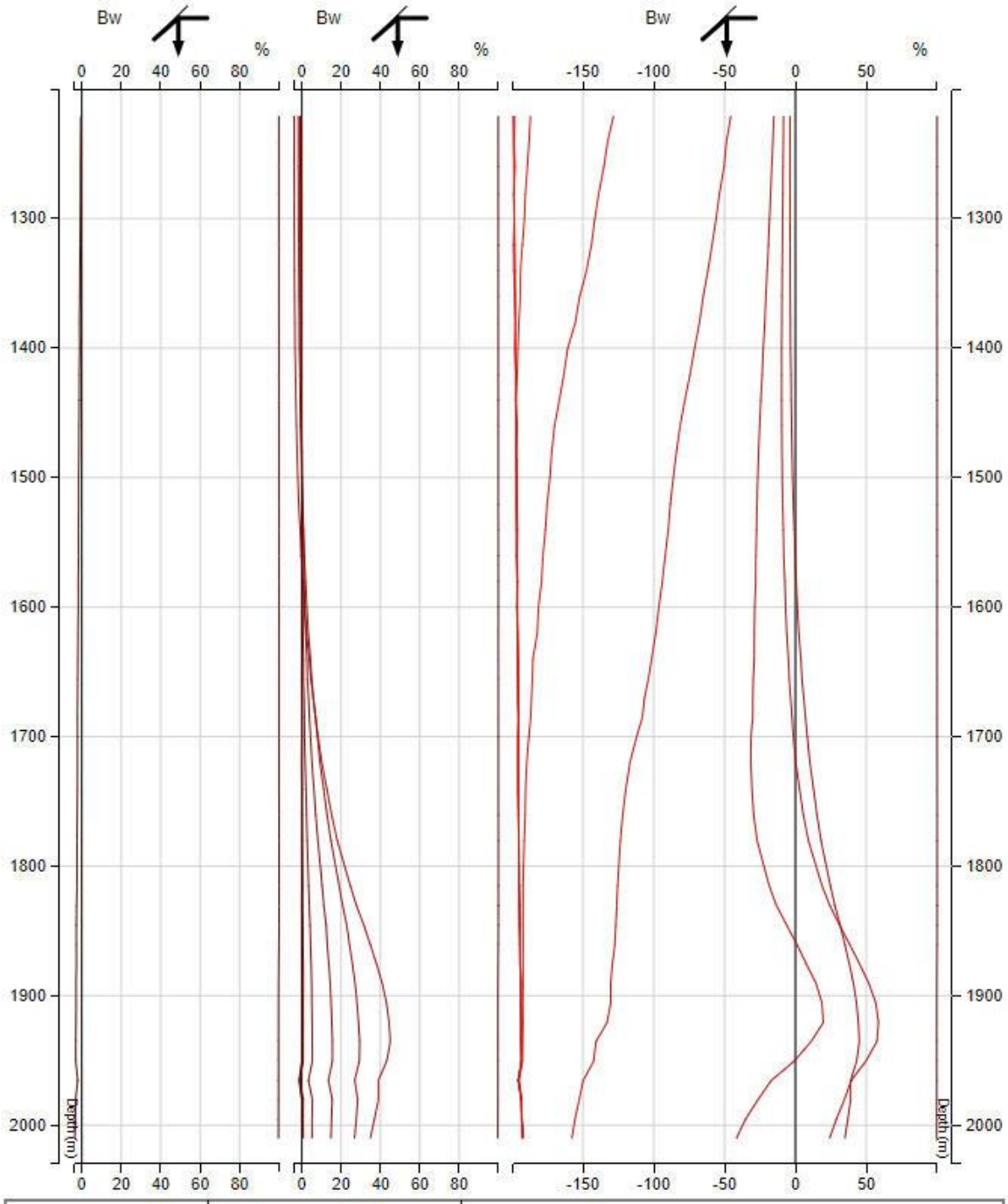
Hole: T-065 Loop: 1901 Cpt: Bw S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 4.6875Hz aS1Lp1901_HT-065.3cH5 / 3-Axis tradeoff (3)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD. GEOPHYSIQUE LTÉE. Job 1904 Surv: 17/7/18 Red: 12/11/19 Plot: 28/7/20



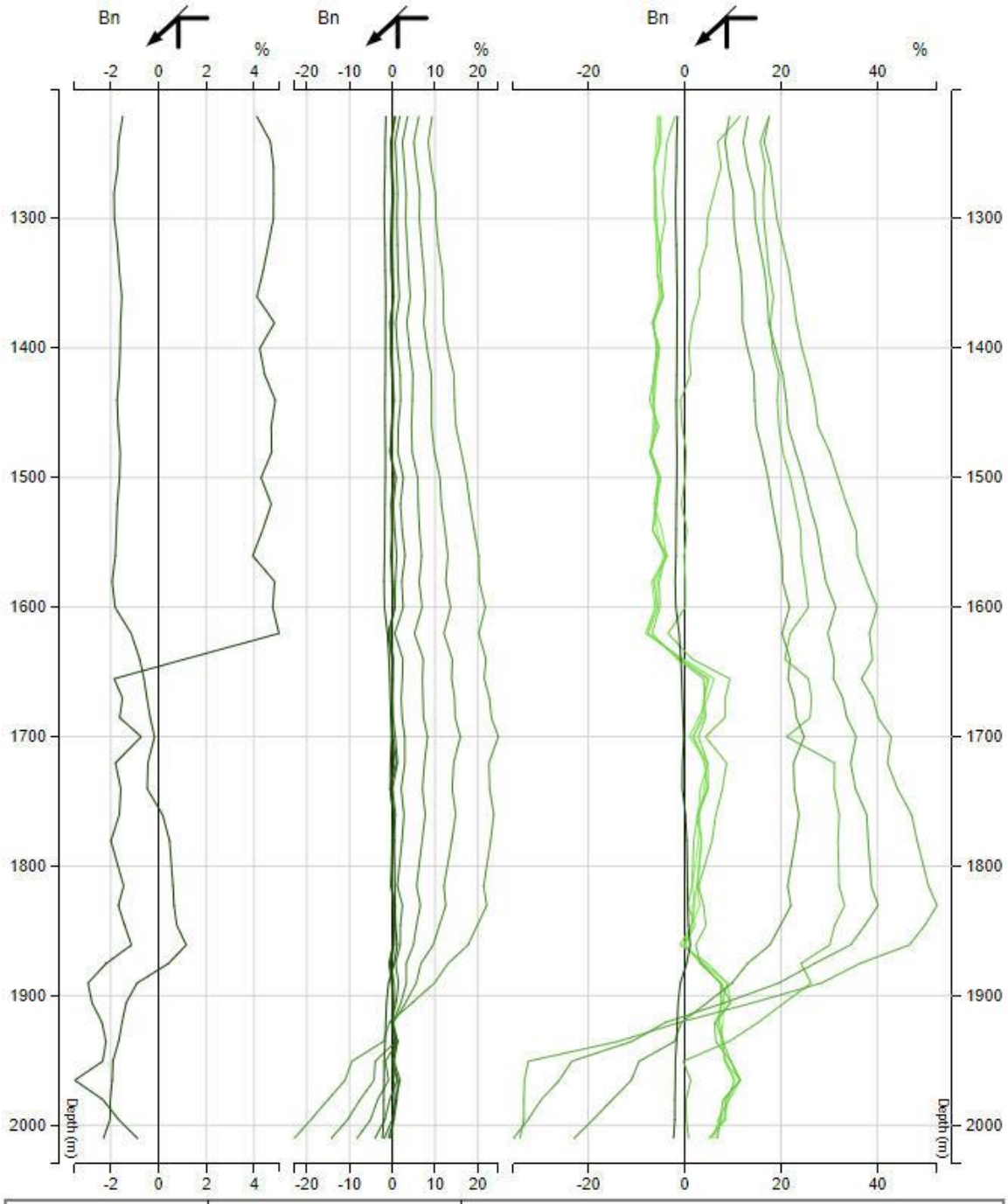
Hole: T-065 Loop: 1901 Cpt: Bn S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 4.6875Hz aS1Lp1901_HT-065.3cH5 / 3-Axis tradeoff (2)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD. GEOPHYSIQUE LTÉE. Job 1904 Surv: 17/7/18 Red: 12/11/19 Plot: 28/7/20



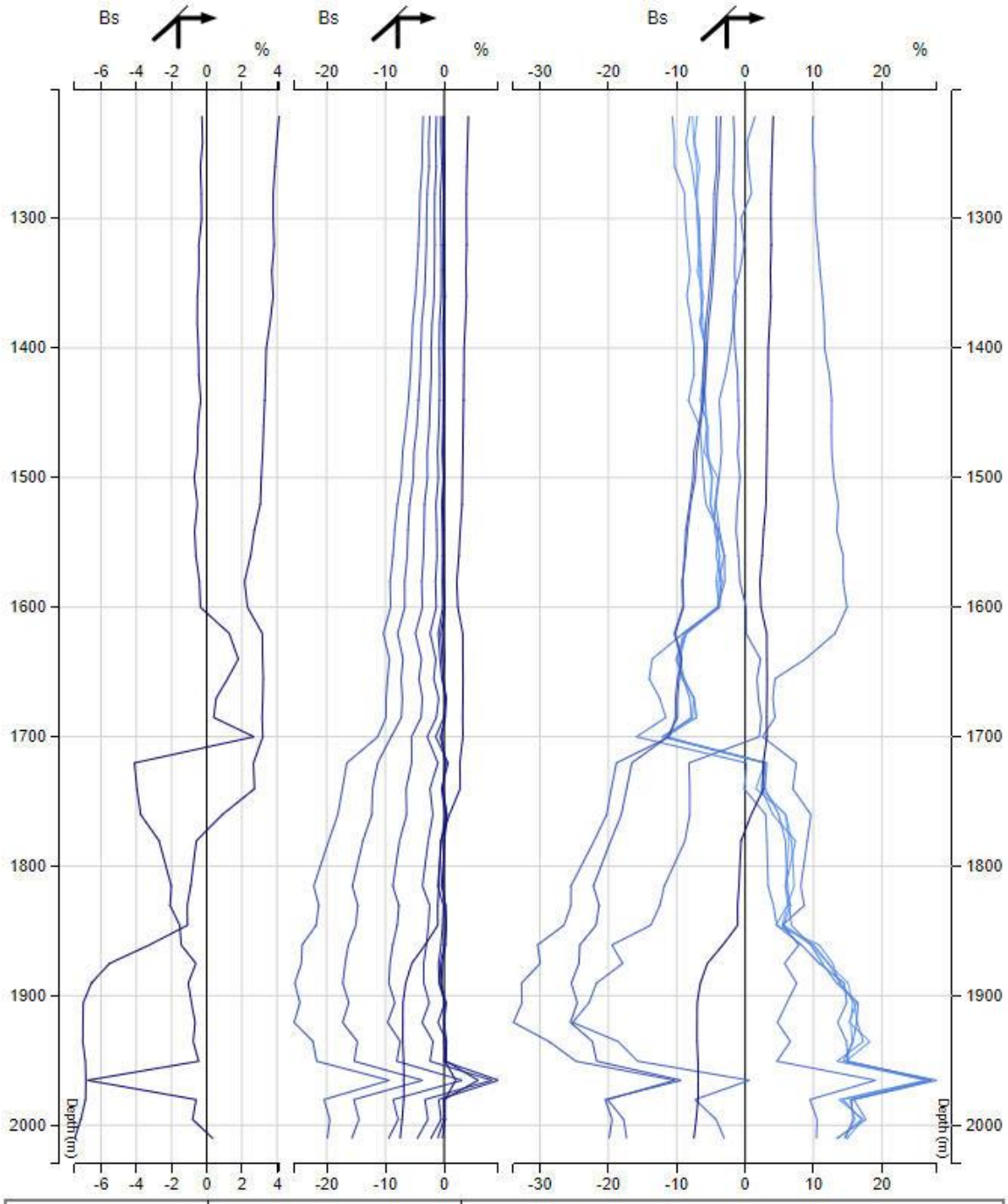
Hole: T-065 Loop: 1901 Cpt: Bs S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 4.6875Hz s51Lp1901_HT-065.3cH5 / 3-Axis tradeoff (1)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD. GEOPHYSIQUE LTÉE. Job 1904 Surv: 17/7/18 Red: 12/11/19 Plot: 28/7/20



Hole: T-065 Loop: 1902 Cpt: Bw S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 3.75Hz aS2Lp1902_HT-065.3cH5 / 3-Axis tradeoff (3)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD. GEOPHYSIQUE LTÉE. Job 1904 Surv: 17/7/18 Red: 12/11/19 Plot: 28/7/20



Hole: T-065 Loop: 1902 Cpt: Bn S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 3.75Hz aS2Lp1902_HT-065.3cH5 / 3-Axis tradeoff (2)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD. GEOPHYSIQUE LTÉE. Job 1904 Surv: 17/7/18 Red: 12/11/19 Plot: 28/7/20



Hole: T-065 Loop: 1902 Cpt: Bs S 90.0° Tr 0.00	(Chn - Ch0) / |Bp| (%) Cont norm @ Δz: 0m Base Freq: 3.75Hz aS2Lp1902_HT-065.3cH5 / 3-Axis tradeoff (1)*	BHUTEM-4 Survey at: Drury For: Glencore Sudbury LAMONTAGNE GEOPHYSICS LTD. / GEOPHYSIQUE LTÉE. Job 1904 Surv: 17/7/18 Red: 12/11/19 Plot: 28/7/20

APPENDIX VI

Summary of Costs

Work/ Cost Type	From Date	To Date	Unit of Work	Invoice No's	Actual Cost	HST	TOTAL	Credit to use - no HST
Diamond Drilling - Foraco	2019-02-01	2019-11-21	7643 metres	1902074, 1902099, 1903127, 1903151, 1904181, 1904206, 1905218, 1905219, 1904188, 1905243, 1905244, 1906272, 1906273, 1906299, 1906298, 1907326, 1907327, 1907352, 1907351, 1908382, 1908409, 1908430, 1909436, 1909459, 1910484, 1910504, 1911527	$1,822,979.85	$236,979.61	$2,059,959.46	$1,822,980
Gyro Data	2019-06-05	2019-11-21	4 surveys	19-681, 19-733, 19-748, 19-810	$10,386.50	$1,050.25	$11,436.75	$10,386
Borehole EM - Lamontagne	2019-04-25	2019-12-13	4 drill holes	4392, 4398, 4400, 4410, 4417, 4426, 4442	$85,087.50	$11,061.38	$96,148.88	$85,088
Drillholes- Physical Properties surveys - DGI Geoscience	2019-06-24	2019-09-16	3 drill holes	2862, 2906, 2918	$69,937.22	$9,091.84	$79,029.06	$69,937
Geologists, field technicians and supervision - includes report writing and maps, logging of core, site visits, setting up drillhole sites	2019-02-28	2020-08-01	Geol - 150 days Tech - 90 days Sup -20 days	Geologist - $500/day, at 150 days Technician - $350/day at 90 days Supervision - $800/day at 20 days	$122,500.00		$122,500.00	$122,500
William Day Construction - trail building	2018-11-21	2019-11-01		J097431, J097703, J097762, J098084, J098196, J098301, J098805, W78899, J099294, J099759, J100366, J100367, J100815, J101171, J101361, J101852, J102301, J102757	$224,720.44	$29,117.04	$253,837.48	$224,720
supplies - water for drill- tank and tote - mid Canada	2019-04-25	2019-06-30		8246, 8337	$500.00	$65.00	$565.00	$500
TOTAL					$2,336,111.51	$287,365.12	$2,623,476.63	$2,336,111

Distribution of Costs
Drillholes and Patents

Total Costs	total drilling - metres	costs ddh T-062 (1886 m) PAT-42368	costs ddh T-063 (1821 m) PAT-42366	costs ddh T-064 (1911 m) PAT-42369	costs ddh T-065 (2025 m) PAT-42361
$2,336,111.00	7643	$576,463	$556,595	$584,104	$618,949