Report on the 2014 Phase 3 Diamond Drilling Program: Sunday Lake Project

Transition Metals Corp. and Impala Platinum Holdings Limited

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Introduction

The Sunday Lake Project is a PGM-Cu-Ni exploration project located 25km north of Thunder Bay Ontario within the Midcontinent Rift (MCR). The project is managed under a joint venture agreement between Impala Platinum (Implats) and Transition Metals Corp. (TMC). In January 2014 TMC reported results from a Phase 1 diamond drilling program which identified high grade, platinum rich, PGM(Pt+Pd+Au)-Cu-Ni mineralization within the Sunday Lake Intrusion (SLI). Following this discovery, exploration programs including borehole electromagnetic surveys, ground magnetic and ground gravity surveys, geologic mapping and a 5 hole 2,550m diamond drilling program were completed in the spring and summer of 2014. This report documents the results of the Phase 3 diamond drilling program completed between November 7th, 2014 and January 23rd, 2015.

Location

The Sunday Lake Project is located approximately 25km north of the City of Thunder Bay, Ontario. It is comprised of staked mining claims, optioned mining claims, optioned patents and leased patents which cover 2612ha (Figure 1). Access to the Sunday Lake property is attained by travelling north on Hwy. 527 from Thunder Bay, Ontario for 25km to Barnum Lake road. Travel west on Barnum Lake road for 7.5km to an unmarked, unmaintained logging road known as Ton Lake Road. The Ton Lake Road is followed west for another 7.5km to access the property.

Land Tenure

The Sunday Lake property is comprised of 11 claims totalling 98 units and 6 privately owned patents (19888, 19889, 19890, 10083, 6041, 6056). Claim information is summarized in Table 1 and illustrated in Figure 2.

Table 1: Sunday Lake claim details

Township / Area	Claim Number	Recording Date	Claim Due Date	Work Required	Total Applied	Total Reserve
JACQUES	4210856	2006-Aug-18	2018-Aug-18	$3,200	$32,000	$0
JACQUES	4210857	2006-Aug-18	2018-Aug-18	$2,400	$24,000	$0
JACQUES	4210858	2006-Aug-18	2018-Aug-18	$4,000	$40,000	$52,361
JACQUES	4230099	2008-Feb-21	2018-Feb-21	$4,800	$38,400	$0
JACQUES	4247181	2010-Oct-18	2018-Oct-18	$800	$4,800	$25,058
JACQUES	4274640	2013-May-13	2018-May-13	$4,000	$12,000	$0
JACQUES	4276395	2013-Nov-04	2018-Nov-04	$4,800	$14,400	$0
JACQUES	4282597	2016-Feb-19	2018-Feb-19	$3,200	$0	$0
JACQUES	4282598	2016-Feb-19	2018-Feb-19	$1,200	$0	$0
ONION LAKE AREA	3009143	2005-Feb-11	2018-Feb-11	$3,200	$35,200	$98,854
ONION LAKE AREA	4210859	2006-Aug-18	2018-Aug-18	$4,800	$48,000	$212,818
ONION LAKE AREA	4210860	2006-Aug-18	2018-Aug-18	$3,200	$32,000	$13,397
ONION LAKE AREA	4210861	2006-Aug-18	2018-Aug-18	$3,200	$32,000	$7,310
ONION LAKE	4274641	2013-May-13	2018-May-13	$5,600	$16,800	$0

AREA						
ONION LAKE AREA	4276394	2013-Nov-04	2018-Nov-04	$6,000	$18,000	$0
ONION LAKE AREA	4276396	2013-Nov-04	2017-Nov-04	$2,735	$14,065	$0

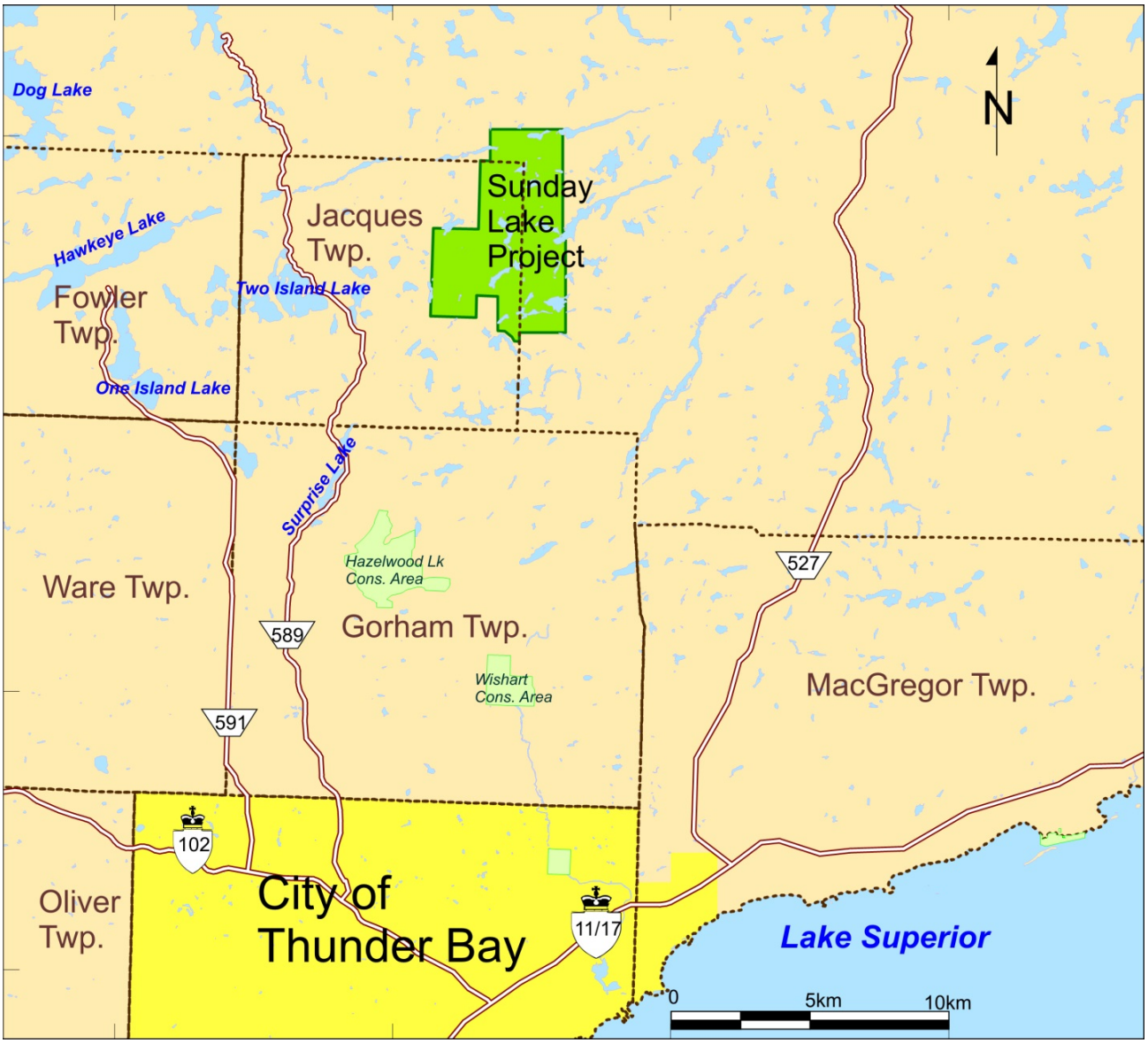


Figure 1: Sunday Lake Project Location Map

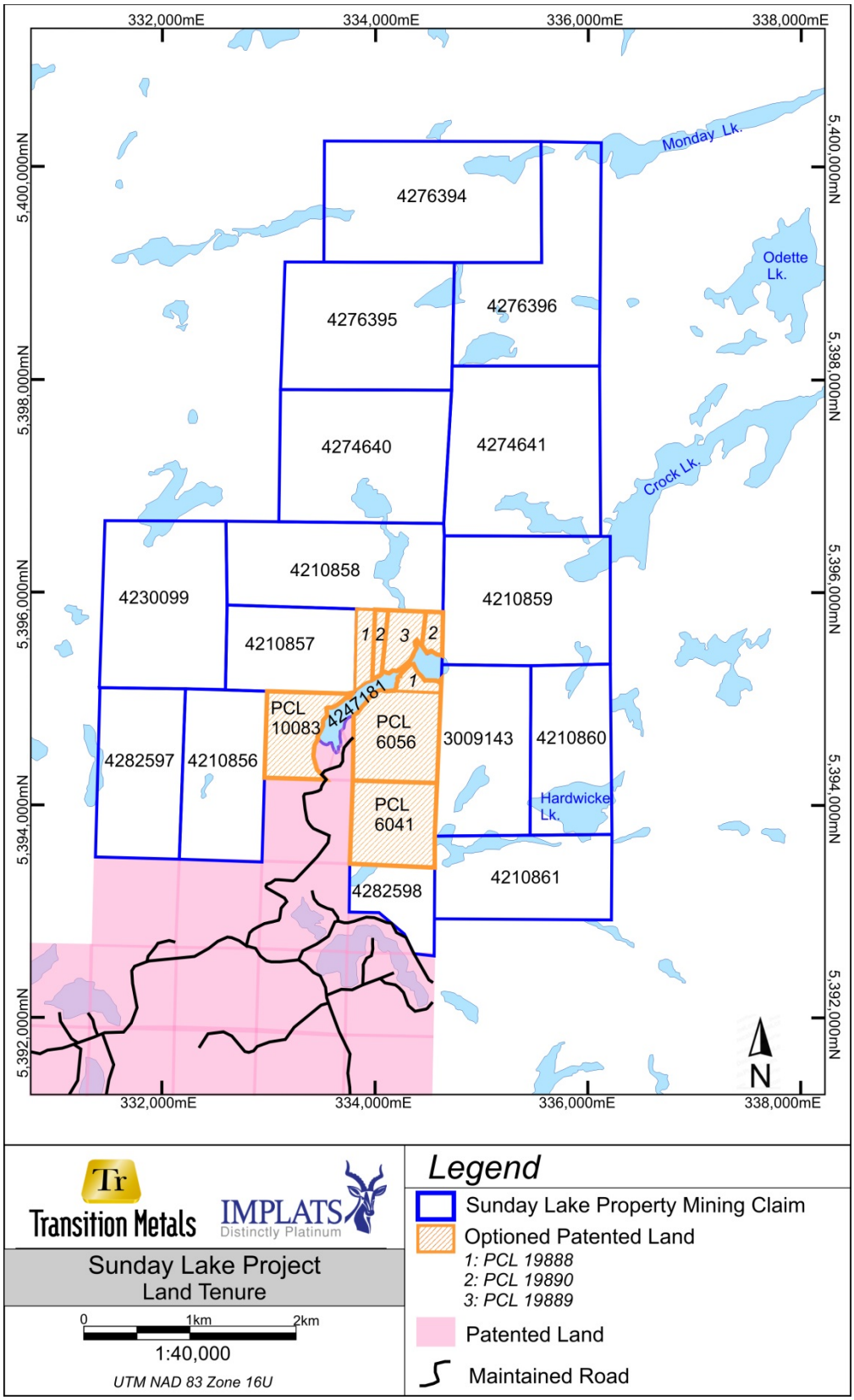
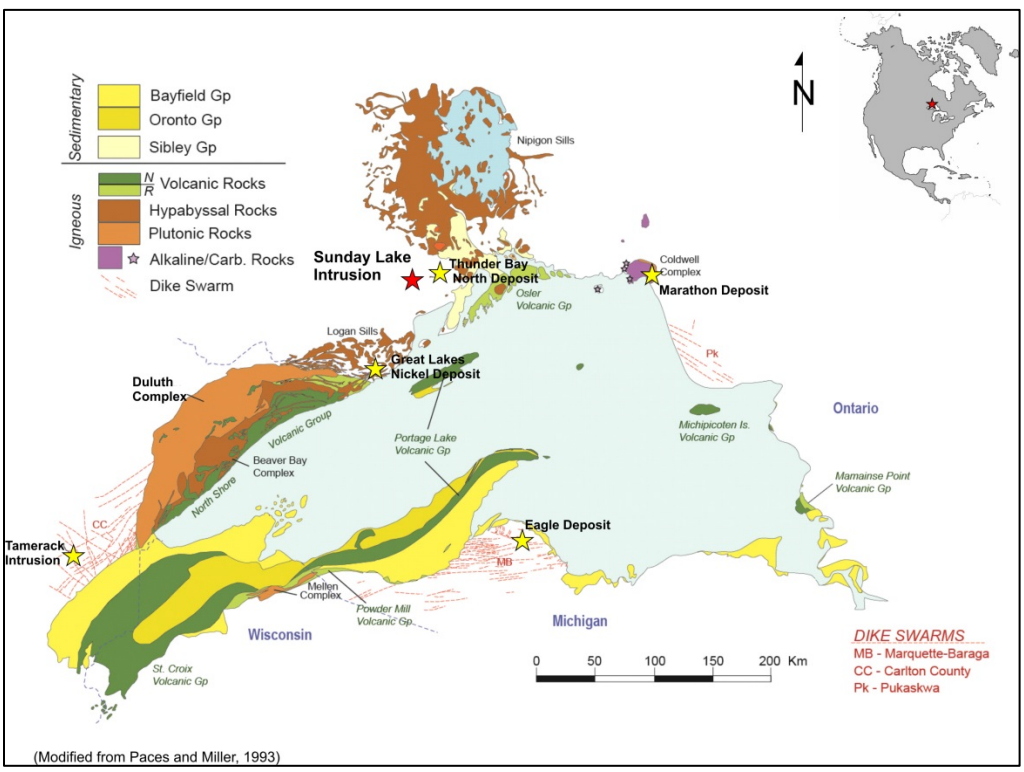


Figure 2: Sunday Lake Land Tenure with claim numbers.

Regional Geology

The Sunday Lake Intrusion is a Proterozoic aged mafic-ultramafic intrusion associated with the ~1.1 Ga MCR. The MCR is believed to be an ancient failed rift which is expressed as a 2,500km long arcuate shaped package of volcanic, sedimentary and intrusive which extends from Kansas, through Lake Superior and terminating at the Grenville front in Northern Michigan (Figure 3). Exploration of MCR related intrusions has persisted for decades within the Duluth Complex, the Great Lakes Nickel Deposit and the Coldwell Complex (Marathon deposit) focusing largely on the base metal potential of these large tonnage, low grade deposits. As the geological understanding of the MCR became better understood, researchers recognized the potential for world class Ni-Cu-PGM deposits similar to those hosted in the analogous Norilsk mining camp of Russia. This information, coupled with rising precious metal prices in the late 1990's – early 2000's spurred a flurry of exploration activity in the region. This activity ultimately led to new discoveries in Michigan (Eagle Mine), Minnesota (Tamarack deposit) and in Ontario (Thunder Bay North Deposit).

Unlike the large tonnage, low grade deposits previously discovered, these new discoveries boasted high grade Ni-Cu dominated mineralization at Eagle and Tamarack, and high grade PGM dominated mineralization at Thunder Bay North. Mineralization is hosted within irregularly shaped, primitive, ultramafic to mafic intrusions associated with the earliest stages of rift development. As such it was recognized that these 'early-rift' type intrusions were highly prospective for magmatic PGM-Cu-Ni mineralization.



(Modified from Paces and Miller, 1993)

Figure 3: Geology of the Midcontinent Rift with notable mineral deposits and intrusions.

Local Geology

The SLI is an 'early-rift' type mafic-ultramafic intrusion that has intruded into metasedimentary and granitic rocks of the Quetico Subprovince. The main mass of the intrusion does not outcrop, with only a single ridge of diabasic gabbro found along the SW shore of Sunday Lake (Figure 4). Drilling has shown that the main body of the SLI is buried beneath up to 400m of Quetico metasediments. Towards the NW, where the intrusion transects the Archean granodiorite /metasediment contact, the hanging wall contact is shallower and was intersected at a depth of 61m in hole 12SL0002.

Quetico Group sedimentary rocks dominate the southern portion of the property. These rocks are strongly foliated to gneissic with a strong E-W to NE-SW fabric and a steep dip. Gneissic textures are observed near the northern margin of the sediments, where a transitional contact with granodiorite is relatively well exposed. This 'transition zone' occurs over a width of approximately 500m where bands and dykes of granodiorite and pegmatite truncate the sediments. Moving south from this contact, metamorphic grade and deformation weaken and relict bedforms (graded bedding/cross bedding) are observed in the turbiditic sediments. As the southernmost portion of the property is approached strong gneissic textures are again observed, possibly related to a contact with another Archean granite body (Barnum Lake stock) located south of the property.

The granodiorite to the north is typically massive to weakly foliated, comprised of coarse grained plagioclase, alkali feldspar, biotite and minor quartz. Deformation is most intense proximal to the gneissic contact with the sediments to the south. Along this contact dykes or bands of granodiorite range from 1-5m in width and may be folded and boudinaged, making mapping of these units at depth difficult.

The country rocks overlying the SLI show complex structure and alteration that appear to be the result of the emplacement and crystallization of the SLI. Wide zones of in-situ brecciation and localized fault breccia may represent pre-existing crustal scale structures that were utilized by the intrusion during it's ascent through the crust. A wide alteration halo, extending nearly 400m to surface in places, increases in intensity as the intrusion is approached suggesting it is derived from fluids generated by the SLI. Alteration grades from predominantly sericite and carbonate filled fractures to pervasive hematite alteration with chlorite and pyrite being confined to fractures. No PGM mineralization is associated with the pyritic breccias of the hanging wall.

The footwall to the intrusion is typically bleached, with annealing textures that obscure the metamorphic fabric of the sediments. In-situ brecciation is common and appears more ductile rather than the brittle deformation that is observed in the hanging wall. Footwall mineralization consists of stringers and blebs of chalcopyrite that have exceptionally high PGM tenors (up to 5.06 g/t PGM from 608.4-609.1m in SL-13-006).

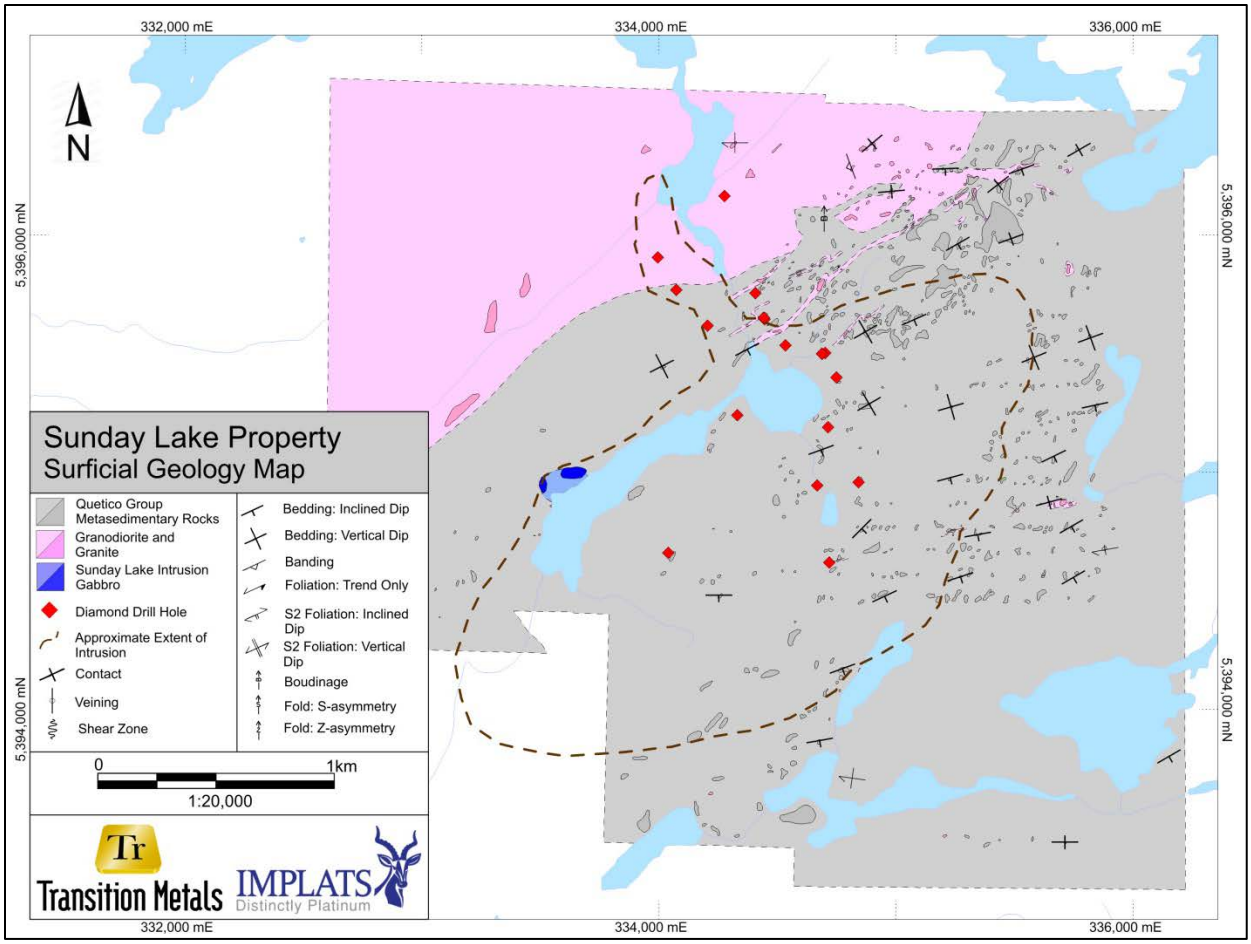


Figure 4: Surficial geology of the Sunday Lake Property. Approximate plan extent of intrusion shown as brown dashed line

Geology of the Sunday Lake Intrusion

The stratigraphy of the SLI based on the drilling to date can be broken down into three main units: Upper Gabbro Series (UGS), Lower Gabbroic Series (LGS) and Ultramafic Series.

The UGS is an evolved, coarse grained plagioclase cumulate gabbro to monzogabbro which can be up to 348m thick. Rocks of the UGS are strongly hematite, epidote, chlorite and potassic altered. Thick sequences of gabbroic breccias are intermittently encountered at the upper contact of the intrusion and contain 10-50% angular quartz xenoliths within a strongly hemaitized gabbroic matrix. Upper Series rocks contain 1-5% disseminated pyrite but do not contain PGM mineralization.

The LGS is in sharp contact with the UGS and is more mafic in character, comprised of gabbro to olivine melagabbronorite. The unit is distinct from the UGS, separated by a sharp contact, and is markedly finer grained. The LGS grades from and an upper gabbroic unit to a central melagabbo-peridotite before becoming more gabbroic again as the lower contact with the Ultramafic Series is approached. Minor PGM mineralization occurs at the interface between the UGS and LGS, with values not exceeding 1 g/t PGM.

The Ultramafic Series is the basal unit in the southern most drill holes and is comprised of olivine melagabbro, peridotite and minor pyroxenite. It is located beneath the LGS, separated by a sharp, variable textured contact possibly representing auto-brecciation of the overlying LGS. Its thickness ranges from approximately 10m in some drill holes near the north contact of the intrusion to 140m near the centre of the SLI. The Ultramafic Series is coarser grained and more strongly serpentinized than the LGS. Mineralization in the ultramafic series occurs within an olivine melagabbro unit with 2-10% disseminated, fine-grained cpy-py-po. Rare sulfide veins and semi-massive sulfide are also observed. Intersections of 20.2m @ 3.22 g/t PGM, 0.26% Cu and 0.11% Ni in SL-13-002 and 15m @ 2.84 g/t PGM, 0.22% Cu and 0.09% Ni in SL-14-003 are representative of the mineralization encountered in the Ultramafic Series.

The size and shape of the intrusion is inferred from the available magnetic and gravity data and diamond drilling, indicates an elliptical body in plan view, elongated in along a NE-SW direction. The dimensions of the intrusion are inferred to be 1.3km wide and 2.9km long (Figure 4). Diamond drilling has shown that the upper contact of the SLI is located between 61m in the north and 424m in the south (average 350m). The lower contact of the intrusion ranges from 144m in the north to 1,153m in the south. The morphology of the SLI is inferred to be an elongated lopolith, with an axis that trends NE-SW deepening to the SW as indicated by drilling and gravity data. In the northern portion of the intrusion, a change in the lithology of the country rocks from metasedimentary to granodiorite correlates with a change in the morphology of the intrusion from a bowl-shaped body to an irregular dyke-sill or possibly a chonolith.

Previous Work

2002: Probe Mines completes a MMI soil sampling program over a prominent magnetic feature outlined by a OGS regional magnetic survey

2006: Canstar Resources flies a 282 line km airborne magnetic survey over the Sunday Lake magnetic anomaly

2007: Canstar Resources completes a two hole, 484.4m diamond drilling program

2008: Magma Metals Canada Ltd. completes a single 735m drill hole which intersects gabbroic rocks of the Sunday Lake Intrusion. Borehole EM is completed on this hole.

2008: Kennecott Canada Exploration Inc. completes a 418.3 line km AeroTEM survey

2009: Kennecott Canada Exploration Inc. completes line cutting and a ground pulse EM survey

2010: Rio Tinto Exploration Canada Inc. completes a ground gravity survey

2011: Rio Tinto Exploration Canada Inc. extends the Magma Metals diamond drill hole for an additional 470m and intersects the basal contact of the Sunday Lake Intrusion. Borehole EM is completed on the entire hole.

2012: Rio Tinto Exploration Canada Inc. Rio Tinto Exploration Canada Inc. completes a one hole, 204m diamond drilling program with borehole EM. Anomalous PGM-Cu-Ni mineralization is encountered along the basal contact

2013: HTX Minerals completes line cutting, geological mapping and ground gravity, magnetic and surface pulse EM surveys. Work concludes with a six hole 2,544.3m diamond drilling program resulting in the discovery of significant PGM-Ni-Cu mineralization associated with the Sunday Lake intrusion (20.2m @ 3.22 g/t PGM, 0.26% Cu and 0.11% Ni in SL-13-002)

2014: Transition Metals Corp. completes a five hole 2,550m diamond drilling program with follow up borehole EM surveys. Highlights include 11.7m @ 2.79 g/t PGM, 0.37% Cu, 0.12% Ni and 15m @ 2.84 g/t PGM, 0.22% Cu and 0.09% Ni in SL-14-003)

Diamond Drilling

A total of 3 diamond drill holes totalling 2,074m were completed between November 7th, 2014 and January 18th, 2014 which included a 19 day break from drilling between December 20th and January 7th. Orbit Garant Drilling of Val-d'Or, Quebec was the sole drill contractor for this program. Drill hole location details are summarized in Table 2. Results of the diamond drilling program are summarized below with drill logs, plans and cross sections provided in Appendix A and B. A total of 420 samples were submitted for assay and of those samples 63 were analyzed for whole rock geochemistry. Assay highlights for the Phase 3 drill program are included in Table 3, with assay certificates in Appendix C.

Table 2: 2014 Phase 3 Diamond Drill Holes

DDH	Easting	Northing	Azimuth	Dip	EOH
SL-14-006	334833	5394962	270	-85	863m
SL-14-007	334332	5395250	295	-75	497m
SL-14-008	334332	5395250	290	-85	714m
				Total	2,074m

Table 3: Significant Intersections from the 2014 Phase 3 diamond drilling program

Drill Hole	From (m)	To (m)	Length (m)	Pt (g/t)	Pd (g/t)	Au (g/t)	PGM (Pt+Pd+Au) (g/t)	Cu (%)	Ni (%)
SL-14-006	825.0	835.9	10.9	1.38	0.83	0.09	2.30	0.30	0.12
including	831.0	835.9	4.90	1.97	1.19	0.13	3.29	0.41	0.16
SL-14-008	**656.6**	**674.4**	**17.8**	**1.17**	**0.7**	**0.08**	**1.95**	**0.27**	**0.11**
including	**656.6**	**663.6**	**7.00**	**1.99**	**1.19**	**0.12**	**3.30**	**0.37**	**0.15**
including	**661.6**	**662.6**	**1.00**	**4.03**	**2.37**	**0.20**	**6.60**	**0.65**	**0.22**

Summary Logs

SL-14-006 (863m: 270°/-85°)

400m step out to the SE of intersections in SL-13-006, along the alteration trend outlined from geological mapping. The hole intersected 421.9m of the SLI from 414m. From 806.4-835.9m pyrrhotite and chalcopyrite mineralized ultramafic and gabbroic rock along above the basal contact were encountered, returning ***10.9m of 2.3 g/t PGMs*** between 825-835.9m. Within this interval a higher grade zone returned values of ***3.29g/t PGMs over 4.9m*** from 831-835.9m.

SL-14-007 (497m: 295°/-75°)

300m step out to the SW of SL-13-002 along the structural lineament that follows Sunday Lake. The hole intersected 90.6m of the SLI from 355.5-446.1m. No appreciable sulfide mineralization was encountered and no significant assays were returned.

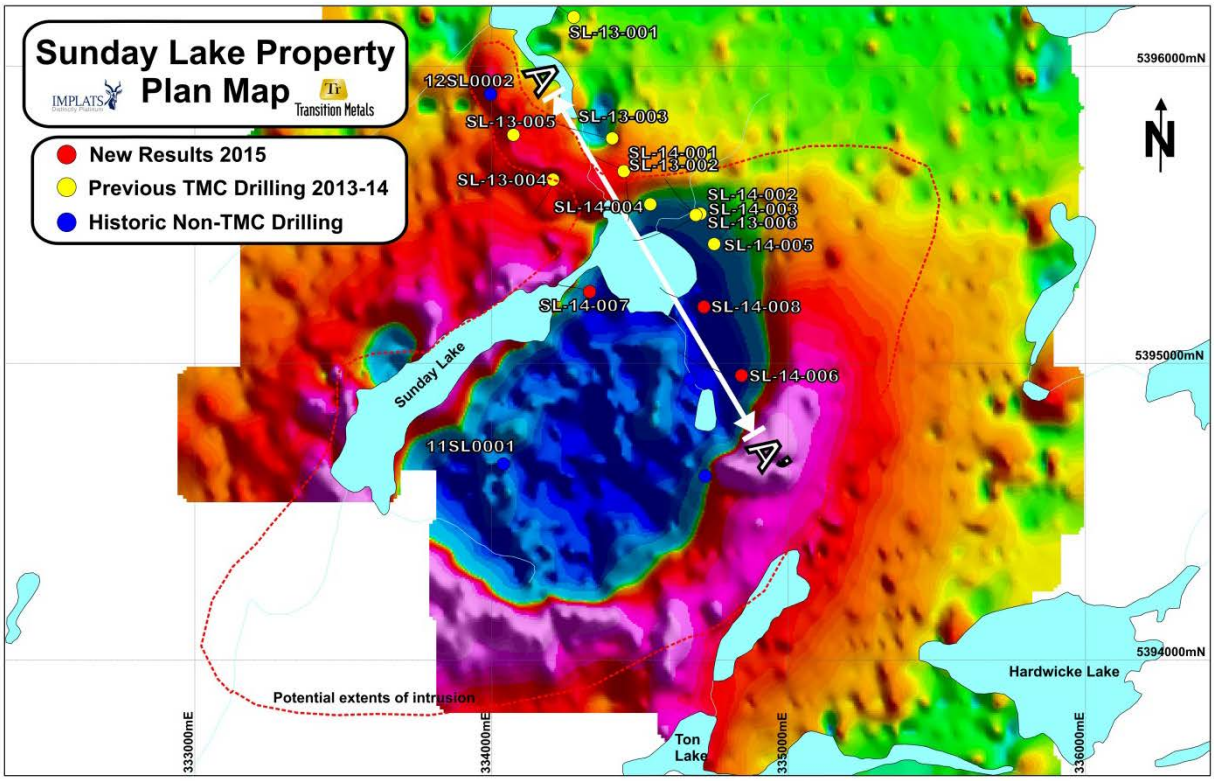
SL-14-008 (714m: 290°/-85°)

Planned as an infill hole to confirm the continuity of the mineralized zone between SL-13-006 and SL-14-006. The hole intersected 284.9m of the SLI from 393.9-678.8m. From 655.6-678.8m pyrrhotite and chalcopyrite mineralized ultramafic and gabbroic rocks along the basal contact were encountered returning ***17.8m of 1.95 g/t PGM's***. Within this interval a higher grade zone returned values of ***3.28 g/t PGM's over 7.0m*** from 656.6-663.6m and ***6.60 g/t PGM's over 1m*** from 661.6m.

Summary

The results of the Phase 3 diamond drilling program were very encouraging and helped provide valuable insight into the morphology of the SLI, as well as the mineralization distribution. Drilling and geophysical data suggest that the main mass of the intrusion measures approximately 2.9km x 1.3km and is a layered mafic/ultramafic lopolith, elongated along an NE-SW trending axis. The upper contact is relatively flat, dipping modestly to the south/south west, and is encountered at a depth of approximately 400m. The lower contact has a steeper dip, again to the south and west and is as deep as 1153.5m as demonstrated in historical hole 11SL0001.

Table 4 summarizes significant intersections of mineralization on the Sunday Lake property. During the phase 3 drill program the mineralized zone was expanded to a strike length of 700m with the intersections in SL-14-006 and 008. Figure 5 shows a plan map and a cross section highlighting the distribution of mineralization encountered to date.



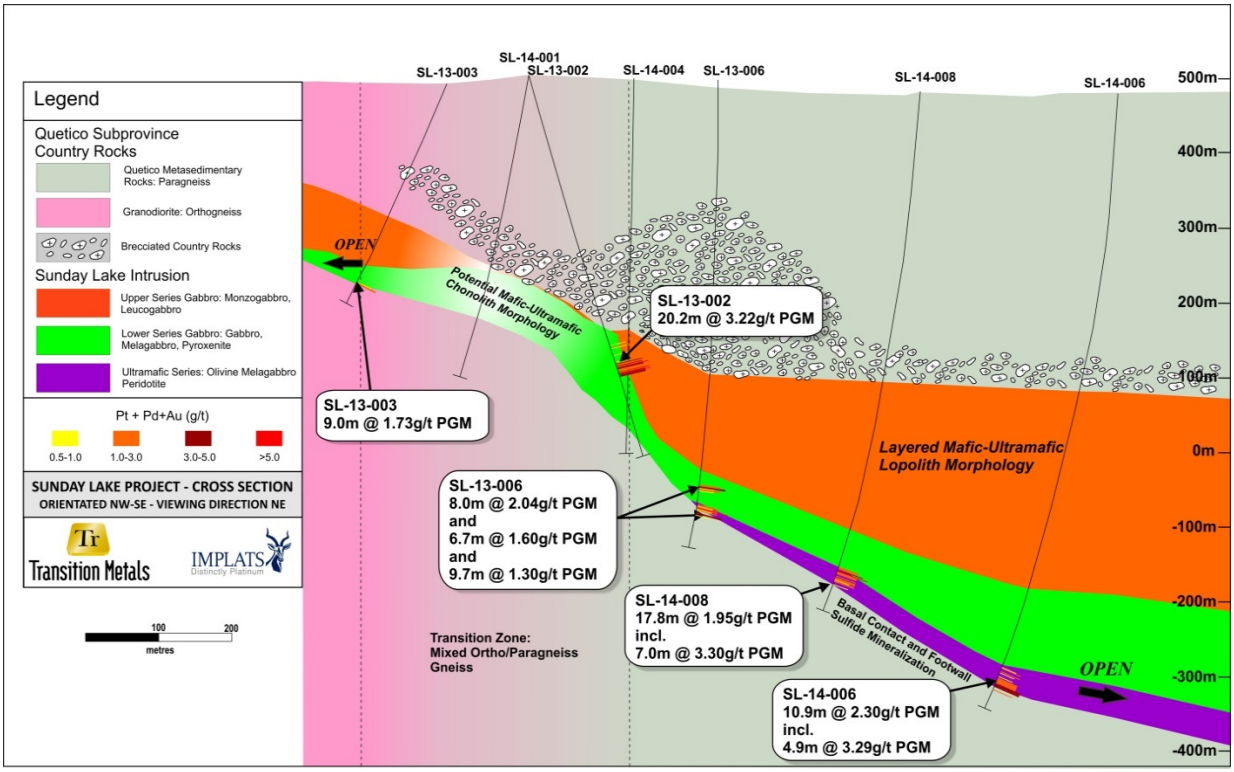


Figure 5: Plan map of drilling to date (top, reduced to pole total magnetic intensity image shown) and conceptual cross-section (bottom)

Table 4: Significant intersections on the Sunday Lake Property

Drill Hole	From (m)	To (m)	Length (m)	Pt (g/t)	Pd (g/t)	Au (g/t)	Pt+Pd+Au (g/t)	Cu (%)	Ni (%)	S (%)
SL-13-002	369.40	371.80	2.40	0.87	0.46	0.03	1.36	0.03	0.04	0.72
and	**395.00**	**415.20**	**20.20**	**2.11**	**0.95**	**0.16**	**3.22**	**0.26**	**0.11**	**1.22**
including	410.00	413.00	3.00	3.41	1.68	0.28	5.37	0.45	0.13	1.23
SL-13-003	**299.00**	**308.00**	**9.00**	**0.91**	**0.74**	**0.08**	**1.73**	**0.44**	**0.13**	**3.05**
including	302.00	303.00	1.00	1.73	1.43	0.15	3.31	0.86	0.24	3.05
SL-13-005	164.60	170.60	6.00	0.4	0.31	0.04	0.75	0.13	0.04	0.59
including	167.60	168.60	1.00	0.66	0.59	0.09	1.34	0.31	0.07	0.97
SL-13-006	**567.00**	**575.00**	**8.00**	**1.23**	**0.72**	**0.09**	**2.04**	**0.20**	**0.08**	**0.48**
and	**595.70**	**602.40**	**6.70**	**0.87**	**0.68**	**0.05**	**1.60**	**0.32**	**0.17**	**2.36**
including	602.00	602.40	0.40	3.94	3.82	0.06	7.82	1.98	1.10	18.30
and	**602.40**	**612.10**	**9.70**	**0.75**	**0.49**	**0.06**	**1.30**	**0.21**	**0.04**	**0.95**
including	607.40	609.10	1.70	2.84	1.74	0.25	4.83	0.77	0.05	1.11
SL-14-002	412.00	420.00	8.00	1.13	0.46	0.08	1.67	0.13	0.05	0.74
including	417.00	420.00	3.00	1.80	0.68	0.14	2.62	0.22	0.09	0.94
SL-14-003	**389.30**	**401.00**	**11.70**	**1.79**	**0.94**	**0.06**	**2.79**	**0.12**	**0.04**	**2.49**
including	391.00	396.00	5.00	3.25	1.65	0.10	5.00	0.14	0.04	3.67
including	**393.00**	**394.00**	**1.00**	**6.34**	**3.22**	**0.19**	**9.75**	**0.24**	**0.06**	**3.37**
and	501.50	502.10	0.60	0.82	0.68	0.06	1.56	0.24	0.11	0.90
and	526.00	541.00	15.00	1.8	0.92	0.12	2.84	0.22	0.09	0.58
including	**532.00**	**540.00**	**8.00**	**2.52**	**1.16**	**0.17**	**3.85**	**0.30**	**0.10**	**0.75**
SL-14-004	463.60	465.30	1.70	1.00	0.51	0.07	1.58	0.12	0.05	0.29
SL-14-005	512.00	516.80	4.80	0.61	0.39	0.04	1.04	0.18	0.09	1.23
SL-14-006	**825.00**	**835.90**	**10.9**	**1.38**	**0.83**	**0.09**	**2.30**	**0.30**	**0.12**	**0.97**
including	831.00	835.90	4.90	1.97	1.19	0.13	3.29	0.41	0.16	1.07
and (FW)	838.50	839.00	0.50	1.20	0.91	0.07	2.18	0.23	0.14	0.89
SL-14-008	656.60	674.40	17.80	1.17	0.70	0.08	1.95	0.27	0.11	NA
including	**656.60**	**663.60**	**7.00**	**1.99**	**1.19**	**0.12**	**3.30**	**0.37**	**0.15**	**NA**

Conclusions

Significant PGM-Cu-Ni mineralization has been intersected in diamond drilling along the basal contact of the main mass of the SLI. Within the main mass, the morphology of the intrusion appears to be lopolithic, having a lateral extent of 2.9km x 1.3km. The entire basal contact across this 3.77km^2 area is considered to be prospective for additional accumulations of PGM-Cu-Ni mineralization and as such requires considerably more drilling to determine the resource potential of the SLI.

Exploration programs at Sunday Lake continue to expand on the geological understanding of this underexplored intrusion as well as expand the zone of PGM-Cu-Ni mineralization. The following conclusions can be drawn from the work completed to date:

- The SLI is an 'early-rift' related PGM-Ni-Cu bearing intrusion measuring 2.9x 1.3km in area and measuring between 50-750m thick.
- The stratigraphy of the SLI based on the drilling to date can be broken down into 3 main units: Upper Gabbro Series, Lower Gabbroic Series and Ultramafic Series. Mineralization is observed to occur primarily in the Ultramafic Series which hosts the mineralized zone.
- The PGM-Cu-Ni mineralized zone now measures 700m long from depths of 370-800m. This zone remains open along and across strike and to date only ~ 10% of the intrusion has been tested with drilling.
- The morphology of the SLI is affected by the composition of the surrounding Archean country rocks which are metasediments and granodiorite. The contact between these two units is gradational, occurring over a width of up to 500m, where dykes or bands of granodiorite are observed to intrude the sediments. This 'transitional zone' acts as a physical barrier to the SLI, changing its morphology to a structurally controlled dyke or chonolith as opposed to the lopolithic shape inferred for the main mass of the intrusion. In the MCR, massive sulfides are observed to occur within magma conduits at the Eagle Deposit in Michigan, the Tamarack Intrusion in Minnesota and isolated zones within the Thunder Bay North deposit. As such, the potential for the SLI to host base metal and PGM-rich massive sulfides should be considered during future exploration programs.

Future work will require additional step-out diamond drill programs to define the extent of the PGM-Cu-Ni mineralized zone which remains open. Due to the conductive nature of magmatic sulfide assemblages borehole EM and/or borehole IP should be deployed to help guide drilling. This will be particularly important when expanding the zone into deeper ground.

Signatures

Steven Flank
124 Sherwood Drive
Thunder Bay ON, CANADA
P7B 6L1

I, Steven Flank, do hereby certify that:

1. I am employed as a Project Geologist for Transition Metals Corporation a publically traded mining exploration company.
2. I have been granted the degree of Honours Bachelor of Science in Geology from Lakehead University (2011).
3. I am a practicing member in good standing of the Association of Professional Geoscientists of Ontario (Member # 2695)
4. I have worked as an exploration geologist in Canada for over 5 years
5. I did personally conduct and co-supervise field operations on the Phase 3 Diamond Drilling Program at Sunday Lake during 2014.

Dated the 7th day of September, 2016

Steven Flank

Grant Mourre, P.Geo
19 Kristi Court
Sudbury ON, CANADA
P3E 5R4

I, Grant Mourre, do hereby certify that:

1. I am employed as an Exploration Manager for Transition Metals Corporation a publically traded mining exploration company.
2. I have been granted the degrees of Master of Science in Geology from Laurentian University, Sudbury, Ontario (2000) and Honours Bachelor of Science Degree in Geology from the University of Saskatchewan, Saskatoon, Saskatchewan (1997).
3. I am a Practising Member in good standing of the Association of Professional Geoscientists of Ontario (APGO member #0566).
4. I have worked as an exploration geologist in Canada for over 16 years.
5. I did personally conduct and co-supervise field operations on the Phase 3 Diamond Drill Program at Sunday Lake during 2014.

Dated the 13th day of September, 2016

Grant Mourre, P. Geo.

Appendix A: Diamond Drill Logs

Detailed Log Report
Hole Number SL-14-006

Project		Coordinates		Collar			
Project Name:	SUNDAY LAKE	**Primary Coordinates Grid:**	**UTM83-16**	**Collar Dip:**	-85.00	**Collar Az:**	270.00
Project Code:	23	**North:**	5,394,958.00	**Length:**	863.00		
Location:		**East:**	334,842.00	**Hole Size:**	NQ		
Start Date:	Nov 12, 2014	**Elev:**	489.00	**Hole Type:**	DD		
Completed Date:	Nov 28, 2014	**Destination Coordinates Grid:**	**LL83**	**Casing:**	Left in Hole		
Contractor:	Orbit Garant	**North:**	48.69	**Collar Survey:**	N	**Plugged:**	N
Core Storage:	TMC Core Shack	**East:**	-89.24	**Multishot Survey:**	N	**Pulse EM Survey:**	N
Units:	METRIC	**Elev:**	489.00				

Detailed Lithology

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
0.00	1.80	**CAS, CASING AND OVERBURDEN**												
1.80	90.30	**MQZT, Mafic metasediment** QUETICO METASEDIMENTARY ROCKS. WEAKLY BANDED QUETICO WITH PATCHY HEMATITE ALTERATION THROUGHOUT. ALTERATION OCCURS AS DEEP RED STAINING ALONG FRACTURES AND QUARTZ RICH BANDS OR AS A PERVASSIVE RED STAINING. WEAK FRACTURE FILLING EPIDOTE ALTERATION FOUND ALONG SOME BRITTLE FRACTURES.												

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Alteration: **4.50 - 5.90: Hematite, Patchy, Moderate** DISCREET ZONES OF RED QUETICO, ALTERATION ORIENTED ~85 DTCA **15.70 - 28.20: Hematite, Pervasive, Weak** PREFERENTIALY ALTERS LEUCOSOME THROUGH THIS ZONE. ALTERATION FOLLOWS BANDING **28.20 - 35.40: Hematite, Pervasive, Moderate** PERVASSIVE RED STAINING OF CORE THROUGH THIS INTERVAL, LOCALLY STRONG IN QUARTZ RICH SECTIONS. **35.40 - 38.20: Hematite, Pervasive, Weak** **51.20 - 86.00: Hematite, Pervasive, Moderate** PERVASSIVE RED STAINING OF CORE, LOCALLY STRONG IN QUARTZ RICH SECTIONS. **51.70 - 55.60: Epidote, Fracture Filling, Weak** DOMINANTLY FOUND ALONG BRITTLE FRACTURE PLANES BUT ALSO WITHIN QUARTZ AND HEMATITE RICH ZONES **86.00 - 87.80: Hematite, Pervasive, Strong** STRONG ALTERATION CONCENTRATED ALONG QUARTZ BAND AND FRACTURES **86.20 - 87.00: Epidote, Fracture Filling, Moderate** **87.80 - 90.30: Hematite, Pervasive, Moderate** **Mineralization:** **1.80 - 90.30: Pyrite, Fracture Filling, 1-2%** **Structure:** **1.80 - 90.30: Banded** **Texture:** **1.80 - 63.00: Banded** WEAKLY BANDED TO BEDDED **1.80 - 63.00: Medium Grained** **86.20 - 87.00: Broken Core** STRONGLY HEMATIZED WITH MODERATE EPIDOTE ALTERATION												
90.30	90.70	**IMD, Mafic dykes** DARK GREEN, ARCHEAN MAFIC DYKE. CHLORITE, BIOTITE WITH PORPHYROBLASTIC COARSE GRAINED GREEN FELDSPAR? MODERATELY HEMATIZED. **Alteration:** **90.30 - 90.70: Chlorite, Pervasive, Strong** **90.30 - 90.70: Hematite, Pervasive, Moderate** **Mineralization:** **90.30 - 90.70: Pyrite, Fracture Filling, 1-2%** **Structure:** **90.30 - 90.70: Contact**												

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
Texture: **90.30 - 90.70: Porphyroblastic** **90.30 - 90.70: Schistose**														
90.70	92.20	**MQZT, Mafic metasediment** QUETICO METASEDIMENTARY ROCKS. MAROON COLOUR DUE TO PERVASSIVE MODERATE HEMATITE ALTERATION. SHARP CONTACTS WITH ADJACENT MAFIC DYKES ARE AT A LOW ANGLE TO BEDDING/BANDING. **Alteration:** **90.70 - 92.20: Sericite, Fracture Filling, Weak** BLEACHED HALOS AROUND FRACTURES **90.70 - 92.20: Hematite, Pervasive, Moderate** **Mineralization:** **90.70 - 92.20: Pyrite, Fracture Filling, 1-2%** **Structure:** **90.70 - 92.20: Banded** **Texture:** **90.70 - 92.20: Banded** **90.70 - 92.20: Medium Grained**													
92.20	92.60	**IMD, Mafic dykes** ARCHEAN MAFIC DYKE. SAME COMPOSITION AS DYKE INTERSECTED EARLIER. **Alteration:** **92.20 - 92.60: Chlorite, Pervasive, Strong** **92.20 - 92.60: Hematite, Pervasive, Moderate** **Structure:** **92.20 - 92.20: Contact** UPPER CONTACT **92.20 - 92.60: Foliation** SHISTOSE FABRIC **92.60 - 92.60: Contact** LOWER CONTACT **Texture:** **92.20 - 92.60: Schistose** **92.20 - 92.60: Porphyroblastic**												
92.60	308.00	**MQZT, Mafic metasediment**												

From	To	Lithology
		QUETICO METASEDIMENTARY ROCKS. WEAKLY BANDED QUETICO WITH PATCHY HEMATITE ALTERATION TO 197.4m. ALTERATION IS STRONGEST IN QUARTZ RICH ZONES, AND IN BROKEN/VUGGY SECTIONS OF CORE. CARBONATE AND CHLORITE ALTERATION OBSERVED ALONG SOME FRACTURES. VUGGY ZONES FROM 99.2-116.4m AND 126.5-127.3m HAVE PINK-RED SELF TERMINATING QUARTZ CRYSTALS IN OPEN SPACES. PORPHYROBLASTIC BLUE KYANITE? FOUND FROM 98-116m GIVING CORE A SPOTTED APPEARANCE. PORPHYROBLASTIC GARNET OBSERVED IN ISOLATED BEDS THROUGHOUT INTERVAL AND IS PINK-WHITE IN COLOUR, EUHEDRAL AND MEDIUM GRAINED. FROM 197.4m TO 298.1m CORE TAKES ON A GREY COLOUR WITH MINOR FRACTURE CONTROLLED SERICITE? ALTERATION (BLEACHED HALOS AROUND FRACTURES). FROM 275.2-277.6 A WHITE BED OF SILICOUS SEDIMENTS IS PRESENT. FROM 263.5-308m BANDING IS NEARLY ABSENT, GIVING THE CORE A MORE MASSIVE APPEARANCE.

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct

Alteration:

92.60 - 130.00: Hematite, Pervasive, Moderate

VARIABLY HEMATIZED THROUGHOUT. ZONES OF STRONG ALTERATION INDICATED BELOW

92.60 - 308.00: Sericite, Fracture Filling, Weak

BLEACHED HALOS SURROUNDING FINE FRACTURES

99.20 - 116.40: Chlorite, Fracture Filling, Moderate

99.20 - 116.40: Carbonate, Fracture Filling, Weak

112.50 - 113.50: Hematite, Pervasive, Strong

126.50 - 127.30: Carbonate, Fracture Filling, Moderate

126.50 - 127.30: Hematite, Pervasive, Strong

141.00 - 160.40: Hematite, Pervasive, Moderate

ISOLATED ZONES OF STRONG ALTERATION WITHIN

154.90 - 155.80: Chlorite, Pervasive, Strong

CHLORITE/QUARTZ RICH ZONE

160.40 - 169.50: Hematite, Pervasive, Weak

169.50 - 173.00: Hematite, Pervasive, Moderate

169.50 - 173.00: Epidote, Pervasive, Moderate

170.80 - 171.30: Epidote, Pervasive, Moderate

170.80 - 171.30: Chlorite, Pervasive, Strong

188.00 - 188.80: Hematite, Fracture Filling, Moderate

196.40 - 197.40: Hematite, Pervasive, Strong

197.40 - 199.60: Hematite, Pervasive, Moderate

ALTERATION GRADUALLY FADES OUT

219.75 - 219.90: Chlorite, Fracture Filling, Weak

BLEACHED FRACTURED ZONE

219.75 - 219.90: Hematite, Fracture Filling, Weak

BLEACHED, FRACTURED ZONE

243.60 - 243.80: Hematite, Fracture Filling, Weak

BLEACHED PINK COLOUR

249.30 - 249.40: Hematite, Fracture Filling, Weak

BLEACHED PINK COLOUR

298.10 - 303.30: Hematite, Pervasive, Weak

ALTERATION IS STRONGER WITHIN FRACTURES IN THIS INTERVAL

303.30 - 308.00: Hematite, Pervasive, Strong

NARROW BRECCIA ZONE FOLLOWED BY DEEP RED STAINING OF CORE TO CONTACT WITH DYKE

303.40 - 303.60: Sericite, Fracture Filling, Strong

SERICITIC ALTERATION WITHIN BRECCIA ZONE MATRIX

303.40 - 303.60: Chlorite, Fracture Filling, Strong

CHLORITIC MATRIX TO BRECCIA ZONE

305.60 - 305.85: Chlorite, Fracture Filling, Strong

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		307.40 - 308.00: Carbonate, Fracture Filling, Weak												
		307.40 - 308.00: Chlorite, Pervasive, Strong												
		CHLORITIC ALTERATION WITHIN QUARTZ RICH ZONE												
		Mineralization:												
		92.60 - 305.60: Pyrite, Fracture Filling, 1-2%												
		305.60 - 305.85: Pyrite, Disseminated, 4%												
		Structure:												
		92.60 - 134.00: Banded												
		140.90 - 140.90: Banded												
		182.00 - 182.00: Banded												
		204.90 - 204.90: Banded												
		231.00 - 231.00: Banded												
		275.00 - 275.00: Bedded												
		Texture:												
		92.60 - 263.50: Banded												
		98.00 - 116.00: Porphyroblastic												
		COARSE GRAINED KYANITE												
		104.80 - 105.10: Broken Core												
		112.50 - 113.50: Fractured												
		FRACTURED/VUGGY												
		126.50 - 127.30: Fractured												
		FRACTURED WITH MINOR BROKEN CORE												
		142.40 - 143.10: Fractured												
		FRACTURED/VUGGY												
		168.30 - 169.00: Porphyroblastic												
		COARSE GRAINED KYANITE												
		196.40 - 197.40: Fractured												
		FRACTURED/VUGGY												
		241.20 - 241.70: Pegmatitic												
		QUARTZ RICH PEGMATITE VEIN												
		259.80 - 263.50: Pegmatitic												
		QUARTZ RICH PEGMATITE VEIN												
		263.50 - 308.00: Bedded												
		MORE BEDDED TEXTURE, BANDING NEARLY ABSENT AFTER PEGMATITE VEINS												
		303.40 - 303.60: Brecciated												
		STRONGLY ALTERED BRECCIA ZONE												
308.00	309.00	**IMD, Mafic dykes**												
		ARCHEAN MAFIC DYKE. AMPHIBOLE + CHLORITE COMPOSITION. SHARP CONTACTS WITH STRONGLY HEMATIZED SEDIMENTS. DYKE IS ONLY WEAKLY ALTERED AT CONTACT.												

From	To	Lithology

Alteration:

308.00 - 308.10: Hematite, Pervasive, Weak

Structure:

308.00 - 308.00: Contact

309.00 - 309.00: Contact

Texture:

308.00 - 309.00: Foliated

308.00 - 309.00: Fine Grained

309.00 414.05 **MQZT, Mafic metasediment**

QUETICO METASEDIMENTARY ROCKS. MASSIVE TO BEDDED TO 321m THEN BACK TO A STRONGER GNEISSIC TEXTURE TO 340.9m. QUARTZ RICH BEDS FROM 315.5-318m AND 334.2-335.3m ARE WHITE IN COLOUR. STRONG HEMATITE ALTERATION AGAIN FROM 350.3-353.1m. RELATIVELY UNALTERED FROM 353.1-399.6m. FROM 399.6 TO LOWER CONTACT AT 414.05m HEMATITE ALTERATION RETURNS, STAINING CORE RED. LATE FRACTURES ARE MORE STRONGLY HEMATITE AND CHLORITE ALTERED AND TRUNCATE PERVASSIVE ALTERATION. PYRITE MINERALIZATION FROM 406.2m IS ASSOCIATED WITH THESE LATE FRACTURES AND CHLORITE RICH PODS. DIFFUSE CONTACT WITH UNDERLYING GABBRO BRECCIA, AS WIDENING FRACTURES BEGIN TO LOOK GABBROIC, ENCLOSING QUARTZ FRAGMENTS. QUARTZ FRAGMENTS APPEAR TO BE SOURCED FROM BANDS IN SEDIMENTS, WITH SURROUNDING SEDIMENT BEING DISSOLVED/ASSIMILATED INTO MAGMA.

Alteration:

309.00 - 310.00: Hematite, Pervasive, Strong

DEEP RED STAINING TO CORE BUT ALSO CROSS CUTTING FRACTURES BLEACHING THIS COLOUR

310.00 - 311.00: Hematite, Fracture Filling, Moderate

HEMATITE CONFINED TO FRACTURES WHILE REST OF CORE IS BLEACHED

320.00 - 321.60: Hematite, Pervasive, Moderate

321.20 - 321.60: Chlorite, Pervasive, Moderate

350.30 - 353.10: Hematite, Pervasive, Strong

365.40 - 365.50: Hematite, Fracture Filling, Strong

381.10 - 383.70: Hematite, Pervasive, Weak

MAROON STAINING

399.60 - 414.05: Hematite, Pervasive, Strong

DARK RED STAINING ON CORE, INTENSIFYING AS CONTACT IS APPROACHED

399.60 - 414.05: Chlorite, Fracture Filling, Moderate

ASSOCIATED WITH HEMATITE FRACTURES. BECOMING STRONGER AS CONTACT IS APPROACHED

405.30 - 414.05: Hematite, Fracture Filling, Strong

DEEP RED FRACTURES TRUNCATE BEDDING AND PERVASSIVE ALTERATION. ORIENTED ~85 DTCA AND ASSOCIATED WITH PYRITE IN SOME LOCATIONS

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
N500599	407.00	408.00	1.00	91.000	57.000	29.000	0.005	0.003	0.001	0.500	
N500600	408.00	409.00	1.00	95.000	62.000	26.000	0.005	0.003	0.001	0.500	
N500601	409.00	410.00	1.00	85.000	185.000	23.000	0.005	0.003	0.001	0.500	
N500602	410.00	411.00	1.00	84.000	81.000	26.000	0.005	0.003	0.001	0.500	
N500603	411.00	412.00	1.00	93.000	60.000	24.000	0.005	0.002	0.001	0.500	
N500604	412.00	413.00	1.00	86.000	13.000	25.000	0.005	0.002	0.001	0.500	
N500605	413.00	414.05	1.05	78.000	24.000	23.000	0.005	0.002	0.001	0.500	

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Mineralization: **309.00 - 395.00: Pyrite, Fracture Filling, 1%** FOUND ALONG BAND PARALLEL FRACTURE PLANES **395.00 - 406.20: Pyrite, Fracture Filling, 2%** ASSOCIATED WITH LATE BRITTLE FRACTURES. SOMETIMES FOUND ALONG HEMATIZED FRACTURES. **406.20 - 407.40: Pyrite, Disseminated, 3%** FINELY DISSEMINATED PYRITE WITHIN SEDIMENTS. RARE BLEBS OF PYRITE WITHIN CHLORITIC PATCHES **Structure:** **329.00 - 329.00: Banded** **405.30 - 414.05: Fractured** HEMATITE AND PYRITE FRACTURES **412.90 - 414.05: Brecciation** QUARTZ BANDS BECOMING FRAGMENTED, DETACHED FROM EACH OTHER AS CONTACT IS APPROACHED **Texture:** **309.00 - 321.00: Bedded** **321.00 - 340.90: Banded** **340.90 - 359.00: Bedded** **351.80 - 352.40: Brecciated** HEMATITZED BRECCIA ZONE **359.00 - 414.05: Banded**											
414.05	416.00	**IGBX, Gabbro Breccia** DEEP RED GABBROIC BRECCIA. XENOLITHIC, TAXITIC TEXTURE WITH ANGULAR FRAGMENTS OF QUARTZ SURROUNDED BY A RED GABBRO MATRIX. QUARTZ FRAGMENTS COMPRISE 15% OF COMPOSITION, AND ARE SURROUNDED BY A CORONA OF CHLORITE. PYRITE FOUND WITHIN CHLORITIC HALOS. MINOR FRAGMENTS OF RELICT SEDIMENT ARE ALSO ANGULAR BUT NEARLY COMPLETELY DIGESTED. GROUNDMASS IS FINE GRAINED, MOTTLED, WITH MINOR AMPHIBOLE OBSERVED. SHARP CONTACT WITH UNDERLYING MONZOGABBRO. **Alteration:** **414.05 - 416.00: Hematite, Pervasive, Strong** **Mineralization:** **414.05 - 416.00: Pyrite, Disseminated, 2%** **Texture:** **414.05 - 416.00: Xenolithic** ANGULAR TO SUBANGULAR QUARTZ XENOLITHS THROUGHOUT **414.05 - 416.00: Varitextured**	N500606	414.05	415.00	0.95	66.000	29.000	22.000	0.005	0.003	0.001	0.500	
			N500607	415.00	416.00	1.00	47.000	50.000	22.000	0.005	0.005	0.001	0.500	
416.00	692.80	**IGUS, Upper Series Gabbro**												

From	To	Lithology

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
N500608	416.00	417.00	1.00	1.000	12.000	15.000	0.005	0.001	0.001	0.500	
N500608	416.00	417.00	1.00	1.000	12.000	15.000	0.005	0.001	0.001	0.500	
N500609	417.00	418.00	1.00	1.000	5.000	17.000	0.005	0.001	0.001	0.500	
N500609	417.00	418.00	1.00	1.000	5.000	17.000	0.005	0.001	0.001	0.500	
N500611	418.00	419.00	1.00	2.000	8.000	19.000	0.005	0.001	0.001	0.500	
N500611	418.00	419.00	1.00	2.000	8.000	19.000	0.005	0.001	0.001	0.500	
N500612	419.00	420.00	1.00	1.000	4.000	17.000	0.005	0.001	0.001	0.500	
N500612	419.00	420.00	1.00	1.000	4.000	17.000	0.005	0.001	0.001	0.500	
N500613	420.00	421.00	1.00	1.000	7.000	23.000	0.005	0.001	0.001	0.500	
N500613	420.00	421.00	1.00	1.000	7.000	23.000	0.005	0.001	0.001	0.500	
N500614	421.00	422.00	1.00	1.000	2.000	20.000	0.005	0.001	0.001	0.500	
N500614	421.00	422.00	1.00	1.000	2.000	20.000	0.005	0.001	0.001	0.500	
N500615	422.00	423.50	1.50	1.000	73.000	29.000	0.005	0.001	0.001	0.500	
N500615	422.00	423.50	1.50	1.000	73.000	29.000	0.005	0.001	0.001	0.500	
N500616	423.50	425.00	1.50	1.000	47.000	38.000	0.005	0.001	0.001	0.500	
N500616	423.50	425.00	1.50	1.000	47.000	38.000	0.005	0.001	0.001	0.500	
N500617	425.00	426.50	1.50	1.000	2.000	35.000	0.005	0.001	0.001	0.500	
N500617	425.00	426.50	1.50	1.000	2.000	35.000	0.005	0.001	0.001	0.500	
N500618	426.50	428.00	1.50	1.000	48.000	34.000	0.005	0.001	0.001	0.500	
N500618	426.50	428.00	1.50	1.000	48.000	34.000	0.005	0.001	0.001	0.500	
N500619	438.00	439.50	1.50	19.000	192.000	41.000	0.005	0.001	0.001	0.500	
N500619	438.00	439.50	1.50	19.000	192.000	41.000	0.005	0.001	0.001	0.500	
N500621	448.00	449.50	1.50	2.000	69.000	32.000	0.005	0.001	0.001	0.500	
N500621	448.00	449.50	1.50	2.000	69.000	32.000	0.005	0.001	0.001	0.500	
N500622	458.00	459.50	1.50	1.000	20.000	28.000	0.005	0.001	0.001	0.500	
N500622	458.00	459.50	1.50	1.000	20.000	28.000	0.005	0.001	0.001	0.500	
N500623	468.00	469.50	1.50	1.000	19.000	22.000	0.005	0.001	0.001	0.500	
N500623	468.00	469.50	1.50	1.000	19.000	22.000	0.005	0.001	0.001	0.500	
N500624	478.00	479.50	1.50	1.000	15.000	15.000	0.005	0.001	0.001	0.500	
N500624	478.00	479.50	1.50	1.000	15.000	15.000	0.005	0.001	0.001	0.500	
N500625	488.00	489.50	1.50	1.000	14.000	14.000	0.005	0.001	0.001	0.500	
N500625	488.00	489.50	1.50	1.000	14.000	14.000	0.005	0.001	0.001	0.500	
N500626	498.00	498.50	0.50	1.000	25.000	12.000	0.005	0.001	0.001	0.500	
N500626	498.00	498.50	0.50	1.000	25.000	12.000	0.005	0.001	0.001	0.500	
N500627	508.00	509.50	1.50	1.000	14.000	13.000	0.005	0.001	0.001	0.500	
N500627	508.00	509.50	1.50	1.000	14.000	13.000	0.005	0.001	0.001	0.500	
N500628	518.00	519.50	1.50	1.000	10.000	10.000	0.005	0.001	0.001	0.500	
N500628	518.00	519.50	1.50	1.000	10.000	10.000	0.005	0.001	0.001	0.500	
N500629	528.00	529.50	1.50	1.000	9.000	10.000	0.005	0.001	0.001	0.500	
N500629	528.00	529.50	1.50	1.000	9.000	10.000	0.005	0.001	0.001	0.500	
N500631	538.00	539.50	1.50	3.000	8.000	12.000	0.005	0.001	0.001	0.500	
N500631	538.00	539.50	1.50	3.000	8.000	12.000	0.005	0.001	0.001	0.500	
N500632	548.00	549.50	1.50	1.000	1.000	26.000	0.005	0.001	0.001	0.500	
N500632	548.00	549.50	1.50	1.000	1.000	26.000	0.005	0.001	0.001	0.500	
N500633	558.00	559.50	1.50	1.000	9.000	21.000	0.005	0.001	0.001	0.500	
N500634	568.00	569.50	1.50	1.000	14.000	32.000	0.005	0.001	0.001	0.500	

From	To	Lithology

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
N500635	569.50	571.00	1.50	1.000	18.000	38.000	0.005	0.001	0.001	0.500	
N500636	571.00	572.00	1.00	1.000	24.000	51.000	0.005	0.001	0.001	0.500	
N500637	572.00	573.00	1.00	3.000	16.000	27.000	0.005	0.001	0.001	0.500	
N500638	573.00	574.00	1.00	5.000	21.000	36.000	0.005	0.001	0.001	0.500	
N500639	574.00	575.00	1.00	1.000	32.000	48.000	0.005	0.001	0.001	0.500	
N500640	574.00	575.00	1.00	3.000	30.000	51.000	0.005	0.001	0.001	0.500	
N500641	575.00	576.00	1.00	3.000	16.000	46.000	0.005	0.001	0.001	0.500	
N500642	576.00	577.00	1.00	3.000	25.000	41.000	0.005	0.001	0.001	0.500	
N500643	577.00	578.00	1.00	1.000	23.000	45.000	0.005	0.001	0.001	0.500	
N500644	578.00	579.00	1.00	1.000	27.000	49.000	0.005	0.001	0.001	0.500	
N500645	579.00	580.00	1.00	1.000	23.000	37.000	0.005	0.001	0.001	0.500	
N500646	580.00	581.00	1.00	2.000	21.000	38.000	0.005	0.001	0.001	0.500	
N500647	581.00	582.00	1.00	1.000	19.000	37.000	0.005	0.001	0.001	0.500	
N500648	582.00	583.00	1.00	1.000	22.000	49.000	0.005	0.001	0.001	0.500	
N500649	588.00	589.50	1.50	1.000	32.000	40.000	0.005	0.001	0.001	0.500	
N500651	598.00	599.50	1.50	5.000	53.000	51.000	0.005	0.001	0.001	0.500	
N500652	608.00	609.50	1.50	9.000	68.000	54.000	0.005	0.001	0.001	0.500	
N500653	618.00	619.50	1.50	15.000	238.000	59.000	0.005	0.001	0.001	0.500	
N500654	628.00	629.50	1.50	37.000	423.000	63.000	0.005	0.001	0.001	0.500	
N500655	638.00	639.50	1.50	65.000	524.000	67.000	0.005	0.001	0.001	0.500	
N500656	648.00	649.50	1.50	122.000	698.000	82.000	0.005	0.001	0.001	0.500	
N500657	658.00	659.50	1.50	145.000	770.000	67.000	0.005	0.001	0.003	0.500	
N500658	668.00	669.50	1.50	89.000	263.000	41.000	0.005	0.001	0.004	0.500	
N500659	678.00	679.50	1.50	116.000	308.000	47.000	0.005	0.001	0.016	0.500	
N500661	688.00	689.00	1.00	124.000	287.000	43.000	0.145	0.012	0.025	0.500	
N500662	689.00	690.00	1.00	124.000	300.000	42.000	0.168	0.017	0.038	0.500	
N500663	690.00	691.00	1.00	118.000	351.000	41.000	0.320	0.045	0.046	0.500	
N500664	691.00	692.00	1.00	128.000	307.000	42.000	0.191	0.024	0.032	0.500	
N500665	692.00	692.80	0.80	144.000	283.000	46.000	0.200	0.032	0.019	0.500	
N500634	568.00	569.50	1.50	1.000	14.000	32.000	0.005	0.001	0.001	0.500	
N500635	569.50	571.00	1.50	1.000	18.000	38.000	0.005	0.001	0.001	0.500	
N500636	571.00	572.00	1.00	1.000	24.000	51.000	0.005	0.001	0.001	0.500	
N500637	572.00	573.00	1.00	3.000	16.000	27.000	0.005	0.001	0.001	0.500	
N500638	573.00	574.00	1.00	5.000	21.000	36.000	0.005	0.001	0.001	0.500	
N500639	574.00	575.00	1.00	1.000	32.000	48.000	0.005	0.001	0.001	0.500	
N500640	574.00	575.00	1.00	3.000	30.000	51.000	0.005	0.001	0.001	0.500	
N500641	575.00	576.00	1.00	3.000	16.000	46.000	0.005	0.001	0.001	0.500	
N500642	576.00	577.00	1.00	3.000	25.000	41.000	0.005	0.001	0.001	0.500	
N500643	577.00	578.00	1.00	1.000	23.000	45.000	0.005	0.001	0.001	0.500	
N500644	578.00	579.00	1.00	1.000	27.000	49.000	0.005	0.001	0.001	0.500	
N500645	579.00	580.00	1.00	1.000	23.000	37.000	0.005	0.001	0.001	0.500	
N500646	580.00	581.00	1.00	2.000	21.000	38.000	0.005	0.001	0.001	0.500	
N500647	581.00	582.00	1.00	1.000	19.000	37.000	0.005	0.001	0.001	0.500	
N500648	582.00	583.00	1.00	1.000	22.000	49.000	0.005	0.001	0.001	0.500	
N500649	588.00	589.50	1.50	1.000	32.000	40.000	0.005	0.001	0.001	0.500	
N500651	598.00	599.50	1.50	5.000	53.000	51.000	0.005	0.001	0.001	0.500	

From	To	Lithology

MINOR INTERVALS:
416.00 - 558.50 : ILGB Leucogabbro
MONZOGABBRO TO LEUCOGABBRO. COARSE GRAINED ACICULAR AMPHIBOLE FROM 416-420.1m AND AGAIN AT 429.8-449m. STRONG PERVASSIVE HEMATITE ALTERATION FROM 416-558.5m. STRONGEST FROM 416-421.6m AND FROM 525.2-558.5m WHERE THE GROUNDMASS IS VERY FINE GRAINED, RED AND ANHEDRAL, SURROUNDING MEDIUM TO COARSE GRAINED AMPHIBOLE AND MINOR FELDSPAR. SHARP INTERNAL CONTACT AT 412.6m WHERE HEMATITE ALTERATION DECREASES SLIGHTLY AND COARSE GRAINED LATHS OF PLAGIOCLASE APPEAR. PLAGIOCLASE ARE MODERATELY SERICITIZED GIVING THEM A GREEN COLOUR. FROM 421.6-435.5m CORE TAKES A SPOTTED TEXTURE WITH GREEN AND RED SPOTS DUE TO HEMATITE-EPIDOTE-SERICITE ALTERATION. CHLORITE ALTERATION FOUND ALONG MOST FRACTURES. MINOR, THIN VEINS OF CARBONATE CROSS CUT THE GABBRO. SUBANGULAR, FINE TO MEDIUM GRAINED CARBONATE OCELLI ARE FOUND FROM 441.2-557m. 2-3% DISSEMINATED PYRITE FROM 416-424.3m, THEN 1% DISSEMINATED PYRITE THROUGH REST OF INTERVAL. CORE BECOMES PITTED FROM 518-558.5m. EXTREMELY PITTED AND CRUMBLY FROM 548-549.3m. LOWER CONTACT MARKED WHERE HEMATITE ALTERATION WEAKENS AND AND EUHEDRAL PLAGIOCLASE AND PYROXENE ARE CUMULATE PHASES.
558.50 - 692.80 : IGB Gabbro
COARSE GRAINED GABBRO/OXIDE GABBRO. ADCUMULATE PLAGIOCLASE AND PYROXENE ARE DOMINANT MINERALS (50-65% PLAGIOCLASE-35-50% PYROXENE). HEMATITE ALTERATION PERSISTS AS A LIGHT RED CORONA SURROUNDING EUHEDRAL PLAGIOCLASE. EPIDOTE ALTERATION IS VARIABLE THROUGHOUT, OCCURING AS WEAK SPOTS OR WITHIN VEINS. 1-2% DISSEMINATED PYRITE FOUND THROUGHOUT, OFTEN ASSOCIATED WITH CHLORITIC PATCHES. IGNEOUS LAYERING PRESENT FROM 558.5-582.6m. FROM 579.5-580.3m, 1-2cm THICK OXIDE RICH HORIZONS ARE FOUND AT THE BOTTOM OF LAYERS. FROM 602m-692.5m PROMINENT DULL WHITE COLOURED SPOTS ARE OBSERVED. THESE SPOTS APPEAR TO BE ALTERED FROM SERICITIZED PLAGIOCLASE.. POSSIBLY A SODIC RICH PHASE?

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
N500652	608.00	609.50	1.50	9.000	68.000	54.000	0.005	0.001	0.001	0.500	
N500653	618.00	619.50	1.50	15.000	238.000	59.000	0.005	0.001	0.001	0.500	
N500654	628.00	629.50	1.50	37.000	423.000	63.000	0.005	0.001	0.001	0.500	
N500655	638.00	639.50	1.50	65.000	524.000	67.000	0.005	0.001	0.001	0.500	
N500656	648.00	649.50	1.50	122.000	698.000	82.000	0.005	0.001	0.001	0.500	
N500657	658.00	659.50	1.50	145.000	770.000	67.000	0.005	0.001	0.003	0.500	
N500658	668.00	669.50	1.50	89.000	263.000	41.000	0.005	0.001	0.004	0.500	
N500659	678.00	679.50	1.50	116.000	308.000	47.000	0.005	0.001	0.016	0.500	
N500661	688.00	689.00	1.00	124.000	287.000	43.000	0.145	0.012	0.025	0.500	
N500662	689.00	690.00	1.00	124.000	300.000	42.000	0.168	0.017	0.038	0.500	
N500663	690.00	691.00	1.00	118.000	351.000	41.000	0.320	0.045	0.046	0.500	
N500664	691.00	692.00	1.00	128.000	307.000	42.000	0.191	0.024	0.032	0.500	
N500665	692.00	692.80	0.80	144.000	283.000	46.000	0.200	0.032	0.019	0.500	

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct

Minor Alteration:

416.00 - 539.00: Chlorite, Fracture Filling, Moderate

416.00 - 558.50: Hematite, Pervasive, Strong

421.60 - 511.50: Sericite, Pervasive, Moderate

GREEN STAINING OF FELDSPAR. GRADUALLY WEAKENS UNTIL FELDSPAR APPEAR WHITE

441.20 - 557.00: Carbonate, Spots, Weak

ROUNDED TO ANGULAR CARBONATE SPOTS CAN SHOW NARROW HALOS OF HEMATITE OR CHLORITE. MINOR FRACTURE FILLING CARBONATE AS WELL

441.20 - 558.50: Epidote, Fracture Filling, Weak

OCCAISONAL EPIDOTE AND CHLORITE PATCHES

554.10 - 558.50: Sericite, Pervasive, Moderate

SERICITIZED PLAGIOCLASE

558.50 - 558.50: Hematite, Pervasive, Moderate

HEMATITE CONFINED TO HALOS AROUND EUHEDRAL PLAGIOCLASE AND MINOR INTERCUMULUS GROUNDMASS

558.50 - 582.50: Hematite, Pervasive, Moderate

558.50 - 600.30: Epidote, Pervasive, Weak

558.50 - 644.00: Hornblende, Pervasive, Strong

ALL PYROXENE ARE ALTERED TO AMPHIBOLE/CHLORITE

582.50 - 644.00: Hematite, Pervasive, Weak

RED HALOS SURROUNDING PLAGIOCLASE CRYSTALS

584.00 - 590.00: Chlorite, Spots, Moderate

CHLORITIC PHENOCRYSTS APPEAR TO BE RELICT PYROXENE. ASSOCIATED WITH PYRITE MINERALIZATION

Minor Mineralization:

416.00 - 424.30: Pyrite, Disseminated, 2-3%

ALSO FOUND IN NARROW FRACTURES NEAR UPPER CONTACT

419.00 - 558.50: Magnetite, Disseminated, 2-5%

424.30 - 558.50: Pyrite, Disseminated, 1%

558.50 - 644.00: Magnetite, Disseminated, 5%

558.50 - 644.00: Pyrite, Disseminated, 1-2%

579.50 - 580.30: Magnetite, Cumulus, 10%

1-2cm THICK OXIDE RICH HORIZONS AT BASE OF LAYERS

Minor Structure:

558.50 - 582.60: Igneous Layering

LAYERS ARE 5-50cm WIDE.

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Minor Texture: **416.00 - 509.80: Medium Grained - Coarse Grained** GRAINSIZE IS SLIGHTLY VARIABLE **416.00 - 558.50: Massive** ISOLOATED ZONES OF CUMULATE PLAGIOCLASE BUT LARGELY MASSIVE TEXTURE WITH COARSE GRAINED AMPHIBOLE SURROUNDED BY ANHEDRAL RED GROUNDMASS **509.80 - 526.00: Coarse Grained** COARSE GRAINED CUMULATE PLAGIOCLASE AND AMPHIBOLE **518.00 - 539.00: Glomerophyric** RADIAL AMPHIBOLE **526.00 - 530.90: Medium Grained - Coarse Grained** **530.90 - 558.50: Coarse Grained** **558.50 - 582.60: Foliated** IGNEOUS FOLIATION DUE TO LAYERING. OBSERVED AS PLAGIOCLASE ORIENTATION **558.50 - 635.00: Mesocumulate** CUMULATE PHASES ARE PLAGIOCLASE AND CLINOPYROXENE **558.50 - 644.00: Coarse Grained** MINOR GRAINSIZE VARIATIONS BUT OVERALL COARSE GRAINED **635.00 - 644.00: Subophitic** TEXTURE SLOWLY CHANGES FROM CUMULATE/INTERGRANULAR TO SUBOPHITIC **638.00 - 644.00: Foliated** IGNEOUS FOLIATION											
692.80	806.40	**IGLS, Lower Series Gabbro**												

From	To	Lithology
		FRACTIONATED SEQUENCE OF INTRUSIVES WITH A CORE OF PERIDOTITE SURROUNDED BY MORE EVOLVED GABBROIC ROCKS. DIFFUSE CONTACTS BETWEEN UNITS GRADUALLY CHANGE IN COMPOSITION. MAGMATIC SULFIDE MINERALIZATION OBSERVED NEAR THE UPPER CONTACT OF THE UNIT AND WITHIN THE LOWER OLIVINE MELAGABBRO UNITS. GENERALLY MASSIVE AND HOMOGENOUS IN APPEARANCE. MINOR CHLORITIC FRACTURES RARELY SHOWING SLICKENLINES. FAULTED LOWER CONTACT WITH ULTRAMAFIC SERIES.

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
N500666	692.80	694.00	1.20	190.000	202.000	57.000	0.337	0.140	0.029	0.500	
N500666	692.80	694.00	1.20	190.000	202.000	57.000	0.337	0.140	0.029	0.500	
N500667	694.00	695.00	1.00	213.000	191.000	67.000	0.387	0.272	0.034	0.500	
N500667	694.00	695.00	1.00	213.000	191.000	67.000	0.387	0.272	0.034	0.500	
N500668	695.00	696.00	1.00	256.000	141.000	71.000	0.338	0.246	0.004	0.500	
N500668	695.00	696.00	1.00	256.000	141.000	71.000	0.338	0.246	0.004	0.500	
N500669	696.00	697.00	1.00	235.000	122.000	67.000	0.288	0.168	0.001	0.500	
N500669	696.00	697.00	1.00	235.000	122.000	67.000	0.288	0.168	0.001	0.500	
N500671	697.00	698.00	1.00	208.000	82.000	60.000	0.256	0.144	0.002	0.500	
N500671	697.00	698.00	1.00	208.000	82.000	60.000	0.256	0.144	0.002	0.500	
N500672	698.00	699.00	1.00	169.000	70.000	54.000	0.157	0.122	0.001	0.500	
N500672	698.00	699.00	1.00	169.000	70.000	54.000	0.157	0.122	0.001	0.500	
N500673	699.00	700.00	1.00	167.000	54.000	56.000	0.089	0.095	0.002	0.500	
N500673	699.00	700.00	1.00	167.000	54.000	56.000	0.089	0.095	0.002	0.500	
N500674	700.00	701.00	1.00	181.000	76.000	58.000	0.096	0.099	0.001	0.500	
N500674	700.00	701.00	1.00	181.000	76.000	58.000	0.096	0.099	0.001	0.500	
N500675	701.00	702.00	1.00	194.000	80.000	62.000	0.144	0.100	0.001	0.500	
N500675	701.00	702.00	1.00	194.000	80.000	62.000	0.144	0.100	0.001	0.500	
N500676	702.00	703.00	1.00	195.000	79.000	59.000	0.053	0.069	0.001	0.500	
N500676	702.00	703.00	1.00	195.000	79.000	59.000	0.053	0.069	0.001	0.500	
N500677	703.00	704.00	1.00	198.000	86.000	60.000	0.032	0.021	0.001	0.500	
N500677	703.00	704.00	1.00	198.000	86.000	60.000	0.032	0.021	0.001	0.500	
N500678	704.00	705.00	1.00	225.000	83.000	65.000	0.021	0.015	0.001	0.500	
N500678	704.00	705.00	1.00	225.000	83.000	65.000	0.021	0.015	0.001	0.500	
N500679	705.00	706.00	1.00	195.000	56.000	61.000	0.013	0.011	0.001	0.500	
N500680	705.00	706.00	1.00	194.000	57.000	61.000	0.014	0.012	0.001	0.500	
N500679	705.00	706.00	1.00	195.000	56.000	61.000	0.013	0.011	0.001	0.500	
N500680	705.00	706.00	1.00	194.000	57.000	61.000	0.014	0.012	0.001	0.500	
N500681	706.00	707.00	1.00	182.000	83.000	59.000	0.028	0.028	0.002	0.500	
N500681	706.00	707.00	1.00	182.000	83.000	59.000	0.028	0.028	0.002	0.500	
N500682	707.00	708.00	1.00	216.000	90.000	64.000	0.015	0.015	0.001	0.500	
N500683	708.00	709.00	1.00	233.000	86.000	67.000	0.013	0.011	0.001	0.500	
N500684	709.00	710.00	1.00	246.000	92.000	68.000	0.013	0.009	0.001	0.500	
N500685	710.00	711.50	1.50	271.000	104.000	73.000	0.009	0.004	0.001	0.500	
N500686	711.50	713.00	1.50	259.000	103.000	71.000	0.029	0.012	0.001	0.500	
N500687	713.00	714.50	1.50	309.000	112.000	77.000	0.015	0.008	0.002	0.500	
N500688	714.50	716.00	1.50	341.000	89.000	82.000	0.012	0.005	0.001	0.500	
N500689	716.00	717.50	1.50	348.000	72.000	82.000	0.019	0.008	0.002	0.500	
N500691	717.50	719.00	1.50	346.000	82.000	84.000	0.011	0.004	0.001	0.500	
N500692	719.00	720.50	1.50	364.000	72.000	86.000	0.008	0.003	0.001	0.500	
N500693	720.50	722.00	1.50	396.000	71.000	91.000	0.012	0.004	0.001	0.500	
N500694	722.00	723.50	1.50	401.000	62.000	89.000	0.008	0.004	0.001	0.500	
N500695	723.50	725.00	1.50	409.000	52.000	91.000	0.016	0.004	0.001	0.500	
N500696	725.00	726.50	1.50	422.000	64.000	92.000	0.020	0.008	0.001	0.500	
N500697	726.50	728.00	1.50	414.000	60.000	92.000	0.006	0.005	0.001	0.500	
N500698	728.00	729.50	1.50	401.000	53.000	90.000	0.008	0.002	0.001	0.500	

From	To	Lithology

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
N500699	729.50	731.00	1.50	383.000	52.000	86.000	0.017	0.007	0.001	0.500	
N500701	731.00	732.50	1.50	382.000	58.000	88.000	0.013	0.004	0.001	0.500	
N500702	732.50	734.00	1.50	393.000	51.000	86.000	0.012	0.003	0.001	0.500	
N500703	734.00	735.50	1.50	355.000	69.000	78.000	0.012	0.003	0.001	0.500	
N500704	735.50	737.00	1.50	397.000	64.000	84.000	0.016	0.005	0.001	0.500	
N500705	737.00	738.50	1.50	401.000	65.000	83.000	0.015	0.011	0.001	0.500	
N500706	738.50	740.00	1.50	455.000	69.000	89.000	0.011	0.005	0.001	0.500	
N500707	740.00	741.50	1.50	625.000	94.000	115.000	0.022	0.010	0.002	0.500	
N500708	741.50	743.00	1.50	604.000	83.000	107.000	0.017	0.008	0.001	0.500	
N500709	743.00	744.50	1.50	736.000	88.000	124.000	0.025	0.011	0.001	0.500	
N500711	744.50	746.00	1.50	783.000	87.000	132.000	0.030	0.010	0.001	0.500	
N500712	746.00	747.50	1.50	758.000	82.000	129.000	0.030	0.016	0.001	0.500	
N500713	747.50	749.00	1.50	680.000	82.000	114.000	0.018	0.010	0.002	0.500	
N500714	749.00	750.50	1.50	757.000	96.000	128.000	0.038	0.028	0.003	0.500	
N500715	750.50	752.00	1.50	756.000	81.000	125.000	0.028	0.010	0.001	0.500	
N500716	752.00	753.50	1.50	738.000	90.000	123.000	0.027	0.018	0.001	0.500	
N500717	753.50	755.00	1.50	813.000	86.000	136.000	0.023	0.007	0.001	0.500	
N500718	755.00	756.50	1.50	835.000	91.000	137.000	0.042	0.044	0.002	0.500	
N500719	756.50	758.00	1.50	785.000	87.000	130.000	0.023	0.010	0.001	0.500	
N500721	758.00	759.50	1.50	796.000	92.000	131.000	0.037	0.022	0.001	0.500	
N500722	759.50	761.00	1.50	809.000	90.000	132.000	0.032	0.018	0.001	0.500	
N500723	761.00	762.50	1.50	794.000	100.000	131.000	0.039	0.026	0.001	0.500	
N500724	762.50	764.00	1.50	744.000	97.000	123.000	0.030	0.012	0.001	0.500	
N500725	764.00	765.50	1.50	766.000	113.000	130.000	0.038	0.031	0.001	0.500	
N500726	765.50	767.00	1.50	710.000	99.000	122.000	0.028	0.016	0.001	0.500	
N500727	767.00	768.50	1.50	614.000	96.000	109.000	0.033	0.016	0.001	0.500	
N500728	768.50	770.00	1.50	594.000	126.000	104.000	0.031	0.017	0.001	0.500	
N500729	770.00	771.50	1.50	602.000	251.000	101.000	0.058	0.042	0.005	0.500	
N500731	771.50	773.00	1.50	550.000	174.000	103.000	0.042	0.036	0.003	0.500	
N500732	773.00	774.50	1.50	497.000	123.000	96.000	0.033	0.019	0.003	0.500	
N500733	774.50	776.00	1.50	427.000	89.000	88.000	0.018	0.008	0.001	0.500	
N500734	776.00	777.00	1.00	449.000	110.000	91.000	0.022	0.012	0.001	0.500	
N500735	777.00	778.00	1.00	449.000	104.000	92.000	0.019	0.013	0.001	0.500	
N500736	778.00	779.00	1.00	434.000	137.000	91.000	0.021	0.013	0.002	0.500	
N500737	779.00	780.00	1.00	393.000	312.000	80.000	0.058	0.058	0.007	0.500	
N500501	780.00	781.00	1.00				0.034	0.032	0.005		0.080
N500502	781.00	782.00	1.00				0.031	0.030	0.002		0.060
N500503	782.00	783.00	1.00				0.022	0.012	0.002		0.510
N500504	783.00	784.00	1.00				0.023	0.017	0.001		0.350
N500505	784.00	785.00	1.00				0.022	0.016	0.007		0.060
N500506	785.00	786.00	1.00				0.028	0.006	0.001		0.240
N500507	786.00	787.00	1.00				0.032	0.017	0.003		0.300
N500508	787.00	788.00	1.00				0.032	0.012	0.004		0.140
N500509	788.00	789.00	1.00				0.039	0.015	0.004		0.090
N500511	789.00	789.50	0.50				0.116	0.085	0.014		0.430
N500512	789.50	790.00	0.50				0.024	0.006	0.002		0.230

From	To	Lithology

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
N500513	790.00	791.00	1.00				0.022	0.016	0.002		0.130
N500514	791.00	791.50	0.50				0.092	0.065	0.008		0.520
N500515	791.50	792.00	0.50				0.017	0.004	0.001		0.070
N500516	792.00	793.00	1.00				0.022	0.011	0.002		0.120
N500517	793.00	794.00	1.00				0.028	0.021	0.002		0.230
N500519	794.00	795.00	1.00				0.014	0.006	0.001		0.110
N500520	795.00	796.00	1.00				0.036	0.005	0.001		0.160
N500521	796.00	797.00	1.00				0.029	0.005	0.001		0.100
N500522	797.00	798.00	1.00				0.028	0.007	0.001		0.040
N500523	798.00	799.00	1.00				0.018	0.007	0.001		0.070
N500524	799.00	800.00	1.00				0.013	0.006	0.002		0.040
N500525	800.00	801.00	1.00				0.011	0.009	0.001		0.060
N500526	801.00	802.00	1.00				0.011	0.007	0.001		0.020
N500527	802.00	803.00	1.00				0.018	0.012	0.001		0.020
N500528	803.00	804.00	1.00				0.022	0.022	0.003		0.020
N500529	804.00	805.00	1.00				0.046	0.067	0.016		0.020
N500531	805.00	806.00	1.00				0.045	0.027	0.003		0.030
N500532	806.00	806.40	0.40				0.116	0.097	0.012		0.040
N500682	707.00	708.00	1.00	216.000	90.000	64.000	0.015	0.015	0.001	0.500	
N500683	708.00	709.00	1.00	233.000	86.000	67.000	0.013	0.011	0.001	0.500	
N500684	709.00	710.00	1.00	246.000	92.000	68.000	0.013	0.009	0.001	0.500	
N500685	710.00	711.50	1.50	271.000	104.000	73.000	0.009	0.004	0.001	0.500	
N500686	711.50	713.00	1.50	259.000	103.000	71.000	0.029	0.012	0.001	0.500	
N500687	713.00	714.50	1.50	309.000	112.000	77.000	0.015	0.008	0.002	0.500	
N500688	714.50	716.00	1.50	341.000	89.000	82.000	0.012	0.005	0.001	0.500	
N500689	716.00	717.50	1.50	348.000	72.000	82.000	0.019	0.008	0.002	0.500	
N500691	717.50	719.00	1.50	346.000	82.000	84.000	0.011	0.004	0.001	0.500	
N500693	720.50	722.00	1.50	396.000	71.000	91.000	0.012	0.004	0.001	0.500	
N500694	722.00	723.50	1.50	401.000	62.000	89.000	0.008	0.004	0.001	0.500	
N500695	723.50	725.00	1.50	409.000	52.000	91.000	0.016	0.004	0.001	0.500	
N500696	725.00	726.50	1.50	422.000	64.000	92.000	0.020	0.008	0.001	0.500	
N500697	726.50	728.00	1.50	414.000	60.000	92.000	0.006	0.005	0.001	0.500	
N500698	728.00	729.50	1.50	401.000	53.000	90.000	0.008	0.002	0.001	0.500	
N500699	729.50	731.00	1.50	383.000	52.000	86.000	0.017	0.007	0.001	0.500	
N500701	731.00	732.50	1.50	382.000	58.000	88.000	0.013	0.004	0.001	0.500	
N500702	732.50	734.00	1.50	393.000	51.000	86.000	0.012	0.003	0.001	0.500	
N500703	734.00	735.50	1.50	355.000	69.000	78.000	0.012	0.003	0.001	0.500	
N500704	735.50	737.00	1.50	397.000	64.000	84.000	0.016	0.005	0.001	0.500	
N500705	737.00	738.50	1.50	401.000	65.000	83.000	0.015	0.011	0.001	0.500	
N500706	738.50	740.00	1.50	455.000	69.000	89.000	0.011	0.005	0.001	0.500	
N500707	740.00	741.50	1.50	625.000	94.000	115.000	0.022	0.010	0.002	0.500	
N500708	741.50	743.00	1.50	604.000	83.000	107.000	0.017	0.008	0.001	0.500	
N500709	743.00	744.50	1.50	736.000	88.000	124.000	0.025	0.011	0.001	0.500	
N500712	746.00	747.50	1.50	758.000	82.000	129.000	0.030	0.016	0.001	0.500	
N500713	747.50	749.00	1.50	680.000	82.000	114.000	0.018	0.010	0.002	0.500	
N500714	749.00	750.50	1.50	757.000	96.000	128.000	0.038	0.028	0.003	0.500	

From	To	Lithology

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
N500715	750.50	752.00	1.50	756.000	81.000	125.000	0.028	0.010	0.001	0.500	
N500716	752.00	753.50	1.50	738.000	90.000	123.000	0.027	0.018	0.001	0.500	
N500717	753.50	755.00	1.50	813.000	86.000	136.000	0.023	0.007	0.001	0.500	
N500718	755.00	756.50	1.50	835.000	91.000	137.000	0.042	0.044	0.002	0.500	
N500719	756.50	758.00	1.50	785.000	87.000	130.000	0.023	0.010	0.001	0.500	
N500721	758.00	759.50	1.50	796.000	92.000	131.000	0.037	0.022	0.001	0.500	
N500722	759.50	761.00	1.50	809.000	90.000	132.000	0.032	0.018	0.001	0.500	
N500723	761.00	762.50	1.50	794.000	100.000	131.000	0.039	0.026	0.001	0.500	
N500725	764.00	765.50	1.50	766.000	113.000	130.000	0.038	0.031	0.001	0.500	
N500726	765.50	767.00	1.50	710.000	99.000	122.000	0.028	0.016	0.001	0.500	
N500727	767.00	768.50	1.50	614.000	96.000	109.000	0.033	0.016	0.001	0.500	
N500728	768.50	770.00	1.50	594.000	126.000	104.000	0.031	0.017	0.001	0.500	
N500729	770.00	771.50	1.50	602.000	251.000	101.000	0.058	0.042	0.005	0.500	
N500731	771.50	773.00	1.50	550.000	174.000	103.000	0.042	0.036	0.003	0.500	
N500732	773.00	774.50	1.50	497.000	123.000	96.000	0.033	0.019	0.003	0.500	
N500733	774.50	776.00	1.50	427.000	89.000	88.000	0.018	0.008	0.001	0.500	
N500734	776.00	777.00	1.00	449.000	110.000	91.000	0.022	0.012	0.001	0.500	
N500735	777.00	778.00	1.00	449.000	104.000	92.000	0.019	0.013	0.001	0.500	
N500736	778.00	779.00	1.00	434.000	137.000	91.000	0.021	0.013	0.002	0.500	
N500737	779.00	780.00	1.00	393.000	312.000	80.000	0.058	0.058	0.007	0.500	
N500501	780.00	781.00	1.00				0.034	0.032	0.005		0.080
N500502	781.00	782.00	1.00				0.031	0.030	0.002		0.060
N500503	782.00	783.00	1.00				0.022	0.012	0.002		0.510
N500504	783.00	784.00	1.00				0.023	0.017	0.001		0.350
N500505	784.00	785.00	1.00				0.022	0.016	0.007		0.060
N500506	785.00	786.00	1.00				0.028	0.006	0.001		0.240
N500507	786.00	787.00	1.00				0.032	0.017	0.003		0.300
N500508	787.00	788.00	1.00				0.032	0.012	0.004		0.140
N500509	788.00	789.00	1.00				0.039	0.015	0.004		0.090
N500511	789.00	789.50	0.50				0.116	0.085	0.014		0.430
N500512	789.50	790.00	0.50				0.024	0.006	0.002		0.230
N500513	790.00	791.00	1.00				0.022	0.016	0.002		0.130
N500514	791.00	791.50	0.50				0.092	0.065	0.008		0.520
N500515	791.50	792.00	0.50				0.017	0.004	0.001		0.070
N500516	792.00	793.00	1.00				0.022	0.011	0.002		0.120
N500517	793.00	794.00	1.00				0.028	0.021	0.002		0.230
N500519	794.00	795.00	1.00				0.014	0.006	0.001		0.110
N500520	795.00	796.00	1.00				0.036	0.005	0.001		0.160
N500521	796.00	797.00	1.00				0.029	0.005	0.001		0.100
N500522	797.00	798.00	1.00				0.028	0.007	0.001		0.040
N500523	798.00	799.00	1.00				0.018	0.007	0.001		0.070
N500524	799.00	800.00	1.00				0.013	0.006	0.002		0.040
N500525	800.00	801.00	1.00				0.011	0.009	0.001		0.060
N500526	801.00	802.00	1.00				0.011	0.007	0.001		0.020
N500527	802.00	803.00	1.00				0.018	0.012	0.001		0.020
N500528	803.00	804.00	1.00				0.022	0.022	0.003		0.020

From	To	Lithology

MINOR INTERVALS:
692.80 - 707.00 : IGB Gabbro
SHARP CONTACT WITH OVERLYING UPPER SERIES GABBRO. MARKED DECREASE IN GRAIN SIZE, TEXTURE AND COMPOSITION, NOW BEING FINE-MEDIUM GRAINED, INTERGRANULAR, AND 50-60% CLINOPYROXENE, 40-50% PLAGIOCLASE AND UP TO 5% BIOTITE. GRADUALLY FRACTIONATES DOWNHOLE BUT GENERALLY VERY HOMOGENOUS. PHENOCRYSTS OF GREEN-BLACK RELICT PYROXENE WHICH HAVE BEEN CHLORITIZED GIVE CORE A SPOTTED APPEARANCE. 1% FINELY DISSEMINATED PY-PO WITH MINOR CPY MINERALIZATION.
707.00 - 719.40 : IMGB Melagabbro
ROCK GRADUALLY FRACTIONATES TO A MORE MAFIC, MELAGABBROIC COMPOSITION. TEXTURE CHANGES FROM DOMINANTLY INTERGRANULAR TO WEAKLY OIKOCRYSTIC WITH PLAGIOCLASE THEN CLINOPYROXENE OIKOCRYSTS ENCLOSING EARLIER PHASES. BIOTITE RICH (UP TO 10% IN SOME LOCATIONS) AND GENERALLY ABSENT OF SULFIDE MINERALIZATION. CHLORITIZED PHENOCRYSTS, WHICH ARE ABUNDANT IN THE OVERLYING GABBRO GRADUALLY DISSAPEAR. CONTACT MARKED ROUGHLY WHERE OLIVINE BEGINS TO COMPRISE >5% OF MODAL COMPOSITION.
719.40 - 745.40 : IOMGB Olivine Melagabbro
SIMILAR IN APPEARANCE TO OVERLYING MELAGABBRO BUT WITH LESS PLAGIOCLASE AND MORE OLIVINE. SEEMS TO FRACTIONATE INWARDS FROM UPPER AND LOWER CONTACTS WITH ROCKS FROM 727.3-731m NEARLY ULTRAMAFIC IN COMPOSITION. 5-20% PLAGIOCLASE, 10-30% OLIVINE 50-60% PYROXENE AND 5% BIOTITE. OLIVINE IS VERY FRESH, NO SERPENTINE ALTERATION NOTED. OCCURS AS CHADACRYSTS WITHIN CLINOPYROXENE OIKOCRYSTS. PLAGIOCLASE OCCURS AS ANHEDRAL INTERSTITIAL GROUNDMASS AND AS LATHS.
745.40 - 762.80 : IPDT IPDT
UNIT CONTACT IS TRANSITIONAL, MARKED BY NEAR ABSENCE OF PLAGIOCLASE. MASSIVE AND FINE GRAINED OVERALL WITH 20-40% OLIVINE, 40-50% CLINOPYROXENE, 0-10% PLAGIOCLASE, AND UP TO 5% BIOTITE. VERY WEAK SERPENTINE ALTERATION GIVE CORE A BLACK STRIPED APPEARANCE. SERPENTINE ALTERATION IS STRONGER AS LOWER CONTACT IS APPROACHED. LOWER CONTACT WITH OLIVINE MELAGABBRO (AS ABOVE), IS MARKED BY ABRUPT LOSS OF SERPENTINE ALTERATION. VEIN CONTROLLED PYRHOTITE MINERALIZATION AT 746.2 AND 747.1m.
762.80 - 806.40 : IOMGB Olivine Melagabbro
REVERSELY FRACTIONATED DOWNHOLE, BECOMING MORE PLAGIOCLASE RICH AND OLIVINE POOR TOWARDS LOWER CONTACT (45-55% CLINOPYROXENE, 10-30% OLIVINE, 10-35% PLAGIOCLASE, 5% BIOTITE). GENERALLY HOMOGENOUS EXCEPT FOR SULFIDE BEARING VARITEXTURED INTERVALS FROM 788.4-791.2m. ISOLATED BLEB OF STRONGLY TARNISHED SULFIDE (YELLOW, BRONZE, BLUE COLOUR). POSSIBLY PO/CPY/BN AT 801.4m. SHARP LOWER CONTACT MARKED BY CHLORITIZED FAULT? BRECCIA.

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
N500529	804.00	805.00	1.00				0.046	0.067	0.016		0.020
N500531	805.00	806.00	1.00				0.045	0.027	0.003		0.030
N500532	806.00	806.40	0.40				0.116	0.097	0.012		0.040

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct

Minor Alteration:

692.80 - 707.00: Chlorite, Spots, Moderate

CHLORITIZED PYROXENE PHENOCRYSTS

707.00 - 712.00: Chlorite, Spots, Weak

721.30 - 721.30: Chlorite, Fracture Filling, Moderate

738.20 - 738.80: Chlorite, Fracture Filling, Strong

CHLORITIC FRACTURE AT 15 DTCA

745.40 - 762.80: Serpentinization, Veins, Weak

771.60 - 771.70: Chlorite, Fracture Filling, Strong

777.70 - 777.70: Chlorite, Fracture Filling, Strong

798.70 - 806.40: Chlorite, Veins, Weak

BLACK CHLORITIC VEINS HAVE HALOS OF BLACK, MEDIUM GRAINED AMPHIBOLE

Minor Mineralization:

692.80 - 707.00: Pyrrhotite/Pyrite/Chalcopyrite, Disseminated, 1%

746.20 - 746.20: Pyrrhotite, Veins, 5%

2mm WIDE CARBONATE/CHLORITE VEIN WITH SULFIDE

747.10 - 747.10: Pyrrhotite, Veins, 5%

AS ABOVE, SULFIDE IN CARBONATE/CHLORITE VEIN

779.20 - 783.70: Pyrrhotite, Disseminated, 1-2%

785.20 - 786.20: Pyrrhotite/Chalcopyrite, Trace

DOMINANTLY PO. VERY F.G AND TYPICALLY FOUND NEAR LATE CHLORITIC FRACTURES

788.40 - 790.00: Pyrrhotite/Pyrite/Chalcopyrite, Disseminated, 1%

UP TO 3% LOCALLY (789.3-789.5). VERY F.G

791.00 - 791.40: Pyrrhotite/Pyrite/Chalcopyrite, Blebby, 4%

F.G AND C.G BLEBS/DISSEMINATED SULFIDE ASSOCIATED WITH VARITEXTURED ZONE.

801.40 - 801.40: Pyrrhotite/Chalcopyrite, Blebby, 1%

SINGLE, M.G. BLEB OF SULFIDE. TARNISHED TO BRONZE/YELLOW/BLUE COLOUR. POSSIBLE BC

Minor Structure:

721.30 - 721.30: Slikensides

SLICKENLINES WITHIN CHLORITIC FRACTURE

771.60 - 771.70: Fractured

CHLORITIC FRACTURE

777.70 - 777.70: Fractured

CHLORITIC FRACTURE

806.40 - 806.40: Fault

CHLORITIC FAULT GOUGE. MARKS SHARP CONTACT WITH UNDERLYING PERIDOTITE

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Minor Texture: **692.80 - 707.00: Fine Grained - Medium Grained** **692.80 - 707.00: Pyroxene Phyric** **692.80 - 707.00: Massive** INTERGRANULAR TEXTURE **707.00 - 719.40: Poikolitic** PLAGIOCLASE THEN PYROXENE OIKOCRYSTS ENCLOSE EARLIER PHASES. OIKOCRYSTS ARE MEDIUM GRAINED **707.00 - 719.40: Fine Grained - Medium Grained** **707.00 - 719.40: Massive** **719.40 - 745.40: Poikolitic** PYROXENE OIKOCRYSTS ENCLOSE OLIVINE AND EARLY PYROXENE PHENOCRYSTS **719.40 - 745.40: Fine Grained** **719.40 - 745.40: Massive** **745.40 - 762.80: Poikolitic** MEDIUM GRAINED PYROXENE OIKOCRYSTS ENCLOSE OLIVINE CHADACRYSTS **745.40 - 762.80: Massive** **745.40 - 762.80: Fine Grained** **762.80 - 806.40: Fine Grained** **788.00 - 788.00: Broken Core** BROKEN CHLORITIC CORE **788.40 - 788.70: Varitextured** COARSE GRAINED PODS OF PLAGIOCLASE CARBONATE AND CHLORITE **791.00 - 791.40: Varitextured** COARSE GRAINED PODS OF LEUCOCRATIC GABBRO AS ABOVE. ASSOCIATED WITH SULFIDE MINERALIZATION											
806.40	826.60	**IUMS, Ultramafic Series**												

From	To	Lithology

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
N500533	806.40	807.00	0.60				0.053	0.016	0.004		0.080
N500533	806.40	807.00	0.60				0.053	0.016	0.004		0.080
N500534	807.00	808.00	1.00				0.093	0.046	0.005		0.020
N500534	807.00	808.00	1.00				0.093	0.046	0.005		0.020
N500535	808.00	809.00	1.00				0.111	0.100	0.021		0.060
N500535	808.00	809.00	1.00				0.111	0.100	0.021		0.060
N500536	809.00	810.00	1.00				0.059	0.047	0.016		0.230
N500536	809.00	810.00	1.00				0.059	0.047	0.016		0.230
N500537	810.00	811.00	1.00				0.103	0.082	0.011		0.120
N500537	810.00	811.00	1.00				0.103	0.082	0.011		0.120
N500538	811.00	812.00	1.00				0.380	0.273	0.033		0.930
N500539	812.00	813.00	1.00				0.548	0.402	0.061		0.860
N500540	812.00	813.00	1.00				0.507	0.378	0.061		
N500541	813.00	814.00	1.00				0.166	0.100	0.023		0.400
N500542	814.00	815.00	1.00				0.157	0.109	0.017		0.310
N500543	815.00	816.00	1.00				0.237	0.129	0.007		0.450
N500544	816.00	817.00	1.00				0.550	0.426	0.057		0.570
N500545	817.00	818.00	1.00				0.249	0.206	0.032		1.230
N500546	818.00	819.00	1.00				0.303	0.213	0.025		0.280
N500547	819.00	820.00	1.00				0.187	0.070	0.021		0.530
N500548	820.00	821.00	1.00				0.052	0.029	0.021		0.220
N500549	821.00	822.00	1.00				0.080	0.050	0.017		0.420
N500551	822.00	823.00	1.00				0.075	0.051	0.009		0.440
N500552	823.00	824.00	1.00				0.685	0.266	0.034		0.350
N500553	824.00	825.00	1.00				0.233	0.137	0.030		0.280
N500554	825.00	826.00	1.00				0.779	0.518	0.045		0.660
N500539	812.00	813.00	1.00				0.548	0.402	0.061		0.860
N500540	812.00	813.00	1.00				0.507	0.378	0.061		
N500541	813.00	814.00	1.00				0.166	0.100	0.023		0.400
N500542	814.00	815.00	1.00				0.157	0.109	0.017		0.310
N500543	815.00	816.00	1.00				0.237	0.129	0.007		0.450
N500544	816.00	817.00	1.00				0.550	0.426	0.057		0.570
N500545	817.00	818.00	1.00				0.249	0.206	0.032		1.230
N500546	818.00	819.00	1.00				0.303	0.213	0.025		0.280
N500547	819.00	820.00	1.00				0.187	0.070	0.021		0.530
N500548	820.00	821.00	1.00				0.052	0.029	0.021		0.220
N500549	821.00	822.00	1.00				0.080	0.050	0.017		0.420
N500551	822.00	823.00	1.00				0.075	0.051	0.009		0.440
N500552	823.00	824.00	1.00				0.685	0.266	0.034		0.350
N500553	824.00	825.00	1.00				0.233	0.137	0.030		0.280
N500554	825.00	826.00	1.00				0.779	0.518	0.045		0.660

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct

MINOR INTERVALS:
806.40 - 811.80 : IOMGNO Olivine Melagabbrono
STRONGLY SERPENTINIZED MELAGABBRO, MARKEDLY COARSER THAN OVERLYING UNIT. STRONGLY OIKOCRYSTIC, WITH COARSE CLINO AND ORTHOPYROXENE ENCLOSING OLIVINE CHADACRYSTS. PLAGIOCLASE OCCURS AS AN INTERCUMULUS PHASE BETWEEN PYROXENE AND OLIVINE. 50-65% PYROXENE (ORTHO+CLINO), 20-35% OLIVINE (SERPENTINIZED), 10-20% PLAGIOCLASE, 10% BIOTITE. HAS A SHEARED APPEARANCE FROM 806.4-809.2m DUE TO FINE SERPENTINE VEINS. BLEBBY INTERSTITIAL SULFIDE FROM 810.1-811.8m IS CLEARLY INTERCUMULUS AND IS DOMINANTLY PO WITH MINOR CPY.
811.80 - 826.60 : IPDT IPDT
STRONGLY SERPENTINIZED PERIDOTITE. CONTACT MARKED BY ABSENCE OF INTERCUMULUS PLAGIOCLASE. PYROXENE AND OLIVINE ARE STRONGLY SERPENTINIZED AND FORM A MEDIUM-COARSE GRAINED ADCUMULATE TEXTURE. PYROXENE FORM OIKOCRYSTS ENCLOSING FINER GRAINED OLIVINE. CARBONATE VEINING SOMETIMES ASSOCIATED WITH SERPENTINE. 5% INTERCUMULUS PO+PY MINERALIZATION FROM 811.8-813m

Minor Alteration:

806.40 - 811.80: Carbonate, Veins, Weak

CARBONATE ASSOCIATED WITH SOME SERPENTINE VEINS

806.40 - 811.80: Serpentinization, Veins, Moderate

811.80 - 826.60: Carbonate, Veins, Weak

ASSOCIATED WITH SOME SERPENTINE VEINS

811.80 - 826.60: Serpentinization, Pervasive, Moderate

PERVASSIVE TO VEIN CONTROLLED SERPENTINE ALTERATION

Minor Mineralization:

810.10 - 811.80: Pyrrhotite/Chalcopyrite, Intercumulus, 2%

DOMINANTLY PO

811.80 - 813.00: Pyrrhotite/Pyrite, Intercumulus, 8%

IRREGULAR BLEBS/BLOCKS OF IRON SULFIDE THROUGHOUT

813.00 - 815.20: Pyrrhotite/Pyrite, Disseminated, 2%

815.20 - 815.50: Pyrrhotite/Pyrite, Disseminated, 5%

DISSEMINATED TO BLEBBY HABIT

815.50 - 816.40: Pyrrhotite/Pyrite, Disseminated, 1%

TRACE TO 1%

816.40 - 818.00: Pyrrhotite/Pyrite, Disseminated, 2-4%

FINELY DISSEMINATED SULFIDE AS WELL AS NARROW CARBONATE/PYRRHOTITE VEINS

818.00 - 820.00: Pyrrhotite/Pyrite, Trace, TRACE%

SPARSE, VERY FINE GRAINED SULFIDE THROUGHOUT

821.90 - 825.00: Pyrrhotite/Pyrite, Disseminated, 2%

VERY FINE GRAINED SULFIDE

825.00 - 826.60: Pyrrhotite/Pyrite/Chalcopyrite, Disseminated, 3%

DOMINANTLY IRON SULFIDE WITH MINOR CPY

From	To	Lithology

Minor Structure:

806.40 - 811.80: Veins

SERPENTINE VEINS

811.80 - 826.60: Veins

SERPENTINE VEINS

Minor Texture:

806.40 - 807.00: Broken Core

806.40 - 811.80: Medium Grained - Coarse Grained

COARSE GRAINED OIKOCRYSTS WITH FINER INTERSTITIAL PLAGIOCLAS.

806.40 - 811.80: Mesocumulate

CUMULATE PYROXENE + OLIVINE

809.10 - 809.20: Coarse Grained

COARSE GRAINED LEUCOCRATIC POD

811.80 - 826.60: Oikocrysts

PYROXENE ENCLOSES OLIVINE AND PYROXENE CHADACRYSTS

811.80 - 826.60: Adcumulate

PYROXENE AND OLIVINE ARE CUMULATE PHASES

811.80 - 826.60: Medium Grained - Coarse Grained

821.00 - 821.30: Broken Core

826.60 835.90 **IGLS, Lower Series Gabbro**

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
N500556	827.00	828.00	1.00				0.722	0.393	0.074		0.770
N500556	827.00	828.00	1.00				0.722	0.393	0.074		0.770
N500557	828.00	829.00	1.00				0.658	0.428	0.057		0.880
N500557	828.00	829.00	1.00				0.658	0.428	0.057		0.880
N500558	829.00	830.00	1.00				1.290	0.703	0.093		1.210
N500558	829.00	830.00	1.00				1.290	0.703	0.093		1.210
N500559	830.00	831.00	1.00				0.830	0.466	0.059		0.870
N500559	830.00	831.00	1.00				0.830	0.466	0.059		0.870
N500560	831.00	832.00	1.00				1.510	0.918	0.101		0.870
N500560	831.00	832.00	1.00				1.510	0.918	0.101		0.870
N500561	832.00	833.00	1.00				1.970	1.515	0.092		1.470
N500562	833.00	833.40	0.40				2.290	1.305	0.165		
N500563	833.40	834.00	0.60				2.330	1.280	0.140		1.130
N500565	834.00	835.00	1.00				2.120	1.210	0.138		1.290
N500566	835.00	835.90	0.90				1.925	1.010	0.146		1.040
N500562	833.00	833.40	0.40				2.290	1.305	0.165		
N500563	833.40	834.00	0.60				2.330	1.280	0.140		1.130
N500565	834.00	835.00	1.00				2.120	1.210	0.138		1.290
N500566	835.00	835.90	0.90				1.925	1.010	0.146		1.040

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct

Mineralization:

826.60 - 827.00: Pyrrhotite/Chalcopyrite, Blebby, 5%

BLEBBY AND VEIN CONTROLLED SULFIDE. BLEBS ARE WITHIN COARSE LEUCOCRATIC FRAGMENTS THAT LOOK LIKE XENOLITHS. FINELY DISSEMINATED SULFIDE HERE IS DOMINANTLY PO.

827.00 - 827.40:

MINOR INTERVALS:

826.60 - 832.60 : IPXT IPXT
MINERALIZED MELAGABBRO TO PYROXENITE. SHARP CONTACT WITH OVERLYING PERIDOTITE MARKED BY VARITEXTURED ZONE THAT APPEARS TO BE A STRONGLY ALTERED MIXING ZONE. COARSE GRAINED LEUCOCRATIC PODS/VEINS ARE FOUND THROUGHOUT AND CAN BE ASSOCIATED WITH SULFIDE MINERALIZATION. 1-10% SULFIDE AS INDICATED IN THE MINERALIZATION LOG, IS COMPRISED OF BLEBBY, DISSEMINATED AND VEIN HOSTED PO+PY+CPY.

832.60 - 835.90 : IMGNO Melagabbronorite
SULFIDE RICH VARITEXTURED ZONE DEFINES CONTACT BETWEEN OVERLYING PYROXENITE AND THIS PLAGIOCLASE BEARING MELAGABBRONORITE. UP TO 20% PO-CPY-PY WITHIN THIS VARITEXTURED ZONE FROM 832.6-833.2m. SULFIDE APPEARS TO BE DOMINANTLY WITHIN XENOLITHS (AUTOLITHS). UNIT GRADUALLY FINES AS THE DIFFUSE CONTACT WITH THE FOOTWALL SEDIMENTS IS APPROACHED. DISSEMINATED CPY-PO-PY MINERALIZATION HAS AN INTERCUMULUS HABIT. FINE-MEDIUM GRAINED ADCUMULATE PYROXENE DOMINATE THE SILICATE MINERALOGY.

Minor Mineralization:

826.60 - 827.00: Pyrrhotite/Pyrite/Chalcopyrite, Blebby, 5%

BLEBBY AND VEIN CONTROLLED SULFIDE. BLEBS ARE WITHIN COARSE LEUCOCRATIC FRAGME

827.00 - 832.60: Pyrrhotite/Pyrite, Disseminated, 2-4%

FINE GRAINED DISSEMINATED IRON SULFIDE THROUGHOUT INTERVAL.

828.60 - 828.70: Pyrrhotite/Chalcopyrite, Blebby, 5%

BLEBBY CPY RICH SULFIDE IN PEGMATITIC POD

829.40 - 830.60: Chalcopyrite, Blebby, 1%

CPY CONFINED TO BLEBS WITHIN LEUCOCRATIC PODS/XENOLITHS

832.40 - 832.50: Pyrrhotite/Chalcopyrite, Veins, 10%

PYRRHOTITE RICH VEIN WITH BLEBBY CPY RICH SULFIDE ADJACENT

832.60 - 833.20: Pyrrhotite/Pyrite/Chalcopyrite, Blebby, 3%

FINE TO MEDIUM GRAINED BLEBS. 60-40 PO-CPY RATIO

833.20 - 833.30: Pyrrhotite/Chalcopyrite, Fragments, 20%

SULFIDE RICH AUTOLITH?

833.20 - 835.90: Pyrrhotite/Pyrite/Chalcopyrite, Disseminated, 5%

FINELY DISSEMINATED SULFIDE THROUGH TO LOWER CONTACT

Minor Structure:

832.40 - 832.40: Veins

SULFIDE VEIN

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Minor Texture: **826.60 - 827.00: Varitextured** SULFIDIC MIXING ZONE BETWEEN PERIDOTITE AND PYROXENITE. **827.00 - 829.40: Fine Grained** GENERALLY FINE GRAINED WITH SMALL ZONES OF COARSER PYROXENITE AS INDICATED BELOW **828.60 - 828.70: Pegmatitic** PEGMATITIC POD OF LEUCOCRATIC GABBRO **829.40 - 831.00: Medium Grained** MOTTLED ZONE WITH VARIABLE GRAINSIZES **832.60 - 833.20: Varitextured** XENOLITHS/PODS OF C.G LEUCOCRATIC GABBRO AND SULFIDIC GABBRO **833.20 - 835.90: Adcumulate** PYROXENE CUMULATE WITH INTERSTITAL SULFIDE AND PLAGIOCLASE **833.20 - 835.90: Medium Grained - Fine Grained** GRADUALLY FINES TO FINE GRAINED AT CONTACT											
835.90	863.00	**MQZT, Mafic metasediment**												

From	To	Lithology
		HORNFELSED QUETICO SEDIMENTS HAVE A GREY COLOUR AND DOMINANTLY FINE GRAINED MASSIVE TEXTURE TO 855.5m. CORE HAS A WHITE SPOTTED TEXTURE POSSIBLY DUE TO RECRYSTALIZATION OF FELDSPAR/QUARTZ? FOOTWALL CPY-PO MINERALIZATION FOUND FROM 838-840m. MINERALIZATION CONSISTS OF VERY FINE FRACTURES OF CPY-PO AND BLEBBY PO WITHIN LEUCOCRATIC VEINS. VEIN/LEUCOSOME HOSTED PY MINERALIZATION FROM 854m TO EOH.

Alteration:

855.50 - 863.00: Chlorite, Veins, Moderate

CHLORITE FOUND WITHIN LEUCOCRATIC BANDS

Mineralization:

838.00 - 840.00: Pyrrhotite/Chalcopyrite, Veins, 1%

LOCALLY UP TO 3%. CPY RICH SULFIDE IS CONFINED TO FRACTURES OR LEUCOCRATIC VEINS/PODS CUTTING SEDIMENT

855.00 - 863.00: Pyrite, Veins, 3%

PYRITE WITHIN LEUCOSOME OF SEDIMENT. APPEARS PRIMARY

Structure:

855.00 - 863.00: Banded

QUARTZ RICH BANDS

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
N500567	835.90	837.00	1.10				0.116	0.071	0.016		0.260
N500568	837.00	838.00	1.00				0.047	0.026	0.001		0.170
N500569	838.00	838.50	0.50				0.024	0.010	0.002		0.180
N500571	838.50	839.00	0.50				1.195	0.909	0.068		0.890
N500572	839.00	840.00	1.00				0.223	0.130	0.029		
N500573	840.00	841.00	1.00				0.005	0.002	0.001		
N500574	841.00	842.00	1.00				0.005	0.002	0.001		
N500575	842.00	843.00	1.00				0.005	0.001	0.001		
N500576	843.00	844.00	1.00				0.005	0.001	0.001		
N500577	844.00	845.00	1.00				0.005	0.001	0.001		0.240
N500578	845.00	846.00	1.00				0.005	0.002	0.001		
N500579	846.00	847.00	1.00				0.005	0.001	0.001		
N500580	846.00	847.00	1.00				0.005	0.001	0.001		
N500581	847.00	848.00	1.00				0.005	0.002	0.001		
N500582	848.00	849.00	1.00				0.005	0.001	0.001		
N500583	849.00	850.00	1.00				0.005	0.002	0.001		0.270
N500584	850.00	851.00	1.00				0.005	0.001	0.001		
N500585	851.00	852.00	1.00				0.005	0.001	0.001		
N500586	852.00	853.00	1.00				0.005	0.002	0.001		
N500587	853.00	854.00	1.00				0.005	0.001	0.001		
N500588	854.00	855.00	1.00				0.005	0.001	0.001		0.280
N500589	855.00	856.00	1.00				0.005	0.002	0.001		
N500591	856.00	857.00	1.00				0.005	0.002	0.001		
N500592	857.00	858.00	1.00				0.005	0.003	0.001		
N500593	858.00	859.00	1.00				0.005	0.002	0.001		
N500594	859.00	860.00	1.00				0.005	0.001	0.001		0.270
N500595	860.00	861.00	1.00				0.005	0.020	0.003		
N500596	861.00	862.00	1.00				0.005	0.002	0.001		
N500597	862.00	863.00	1.00				0.005	0.002	0.001		
N500720	862.00	863.00	1.00	790.000	88.000	131.000	0.023	0.011	0.001	0.500	

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct

Texture:

835.90 - 855.00: Hornfelsed

BLEACHED GREY COLOUR. ORIGINAL BEDDING NOT OBSERVED. SPOTTED APPEARANCE.

855.00 - 863.00: Banded

WEAK BANDING DEFINED BY QUARTZ RICH LEUCOSOME

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	270.00	-85.00	REFLEX	O	
92.00	261.90	-82.40	REFLEX	O	
122.00	298.00	-82.00	REFLEX	N	
152.00	276.00	-81.00	REFLEX	O	
182.00	271.60	-80.00	REFLEX	O	
212.00	273.30	-79.00	REFLEX	O	
242.00	280.50	-78.30	REFLEX	O	
272.00	275.50	-77.70	REFLEX	O	
302.00	284.40	-77.30	REFLEX	O	
332.00	288.50	-76.40	REFLEX	O	
362.00	291.10	-75.60	REFLEX	O	
392.00	295.50	-74.80	REFLEX	O	
422.00	295.40	-74.20	REFLEX	O	
452.00	290.50	-73.40	REFLEX	O	
482.00	293.50	-72.70	REFLEX	O	
512.00	295.70	-72.00	REFLEX	O	
542.00	289.70	-71.50	REFLEX	O	
572.00	276.90	-70.90	REFLEX	O	
602.00	292.80	-70.70	REFLEX	O	
632.00	294.50	-69.80	REFLEX	O	
662.00	290.90	-69.00	REFLEX	O	
692.00	296.80	-68.50	REFLEX	O	
722.00	301.30	-67.80	REFLEX	O	
752.00	301.70	-67.90	REFLEX	O	
782.00	302.10	-66.50	REFLEX	O	
812.00	307.00	-65.60	REFLEX	O	
842.00	304.10	-65.20	REFLEX	O	

Detailed Log Report
Hole Number SL-14-007

Project		Coordinates		Collar			
Project Name:	SUNDAY LAKE	**Primary Coordinates Grid:**	**UTM83-16**	**Collar Dip:**	-78.00	**Collar Az:**	295.00
Project Code:	23	**North:**	5,395,240.00	**Length:**	497.00		
Location:		**East:**	334,330.00	**Hole Size:**	NQ		
Start Date:	Dec 01, 2014	**Elev:**	488.00	**Hole Type:**	DD		
Completed Date:	Dec 11, 2014	**Destination Coordinates Grid:**	**LL83**	**Casing:**	Left in Hole		
Contractor:	Orbit Garant	**North:**	48.69	**Collar Survey:**	N	**Plugged:**	N
Core Storage:	TMC Core Shack	**East:**	-89.25	**Multishot Survey:**	N	**Pulse EM Survey:**	N
Units:	METRIC	**Elev:**	488.00				

Comments: TESTING SW OF SL-13-002 ALONG POSSIBLE STRUCTURAL LINEAMENT THROUGH SUNDAY LAKE.

Detailed Lithology

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
0.00	14.30	**CAS, CASING AND OVERBURDEN**												
14.30	20.10	**MQZT, Mafic metasediment** QUETICO METASEDIMENTS. ANNEALED FRACTURES WITH HEMATITE, CHLORITE, CARBONATE AND MINOR EPIDOTE ALTERATION. BROKEN CORE AS INDICATED IN TEXTURE LOG. **Alteration:** **14.30 - 20.10: Epidote, Fracture Filling, Moderate** **14.30 - 20.10: Carbonate, Fracture Filling, Weak** MOST FRACTURES CONTAIN CARBONATE **14.30 - 20.10: Hematite, Pervasive, Moderate** PREFERRENTIALLY ALTERS LEUCOCRATIC BANDS AND EXTENDS FROM FRACTURE ZONES **14.30 - 20.10: Hematite, Fracture Filling, Moderate** NARROW 1-5mm ANNEALED FRACTURES **Structure:** **14.30 - 20.10: Banded** **Texture:** **14.30 - 20.10: Fractured** **14.30 - 20.10: Banded** **16.80 - 17.10: Broken Core** **18.10 - 18.30: Broken Core**												
20.10	24.40	**IGRD, Granodiorite**												

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		STRONGLY FOLIATED GRANODIORITE. CONTACTS WITH SEDIMENTS ARE BANDED AND THIS UNIT COULD BE THE LEUCOSOME OF THE GNEISS. MODERATELY HEMATIZED IS PERVASSIVE BUT STRONGER ALONG FRACTURES. **Alteration:** **20.10 - 24.40: Epidote, Fracture Filling, Weak** **20.10 - 24.40: Carbonate, Fracture Filling, Weak** **20.10 - 24.40: Hematite, Pervasive, Moderate** PREFERRENTIALLY ALTERS LEUCOCRATIC BANDS AND EXTENDS FROM FRACTURE ZONES **20.10 - 24.40: Hematite, Fracture Filling, Moderate** NARROW 1-5mm ANNEALED FRACTURES **Structure:** **20.10 - 24.40: Foliation** **Texture:** **20.10 - 24.40: Foliated** **20.10 - 24.40: Coarse Grained**											
24.40	39.60	**MQZT, Mafic metasediment** QUETICO METASEDIMENTS. STRONGLY FRACTURED THROUGHOUT WITH LATE BRITTLE FRACTURES AND ANNEALED FRACTURES THAT CONCENTRATE ALTERATION. **Alteration:** **24.40 - 39.60: Epidote, Fracture Filling, Weak** **24.40 - 39.60: Carbonate, Fracture Filling, Weak** MOST FRACTURES CONTAIN CARBONATE **24.40 - 39.60: Hematite, Pervasive, Weak** PERVASSIVE ALTERATION IS ADJACENT TO FRACTURES **24.40 - 39.60: Hematite, Fracture Filling, Moderate** NARROW 1-5mm ANNEALED FRACTURES **Mineralization:** **24.40 - 39.60: Pyrite, Fracture Filling, 3%** **Structure:** **24.40 - 39.60: Banded** **Texture:** **24.40 - 39.60: Fractured** **24.40 - 39.60: Banded** **34.10 - 34.80: Broken Core**											
39.60	40.20	**IGRD, Granodiorite** PINK GRANODIORITE. STRONGLY FRACTURED WITH PEGMATITIC QUARTZ. MODERATE HEMATITE AND CHLORITE ALTERATION.											

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Alteration: **39.60 - 40.20: Hematite, Pervasive, Moderate** PREFERRENTIALLY ALTERS LEUCOCRATIC BANDS AND EXTENDS FROM FRACTURE ZONES **39.60 - 40.20: Hematite, Fracture Filling, Moderate** NARROW 1-5mm ANNEALED FRACTURES **39.60 - 40.20: Chlorite, Fracture Filling, Moderate** **39.60 - 40.20: Carbonate, Fracture Filling, Weak** MOST FRACTURES CONTAIN CARBONATE **Texture:** **39.60 - 40.20: Pegmatitic** **39.60 - 40.20: Foliated** **39.60 - 40.20: Coarse Grained**												
40.20	40.90	**MQZT, Mafic metasediment** **Alteration:** **40.20 - 40.90: Carbonate, Fracture Filling, Weak** MOST FRACTURES CONTAIN CARBONATE **40.20 - 40.90: Hematite, Pervasive, Weak** **40.20 - 40.90: Hematite, Fracture Filling, Moderate** NARROW 1-5mm ANNEALED FRACTURES **Structure:** **40.20 - 40.90: Banded** **Texture:** **40.20 - 40.90: Medium Grained** **40.20 - 40.90: Banded**												
40.90	43.00	**IGRD, Granodiorite** PINK GRANODIORITE WITH ABUNDANT PEGMAITITC QUARTZ. VERY FRACTURED WITH MODERATE CHLORITE, HEMATITE, EPIDOTE AND SERICITE ALTERATION. **Alteration:** **40.90 - 43.00: Sericite, Fracture Filling, Moderate** **40.90 - 43.00: Hematite, Pervasive, Moderate** PREFERRENTIALLY ALTERS LEUCOCRATIC BANDS AND EXTENDS FROM FRACTURE ZONES **40.90 - 43.00: Hematite, Fracture Filling, Moderate** NARROW 1-5mm ANNEALED FRACTURES **40.90 - 43.00: Epidote, Fracture Filling, Moderate** **40.90 - 43.00: Chlorite, Fracture Filling, Moderate**												

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Texture: **40.90 - 43.00: Fractured** **40.90 - 43.00: Pegmatitic** **40.90 - 43.00: Foliated**												
43.00	44.50	**MQZT, Mafic metasediment** QUETICO METASEDIMENTS. BOUDINAGED GRANODIORITE WITHIN INTERVAL. NOT ALTERED. **Structure:** **43.00 - 44.50: Banded** **Texture:** **43.00 - 44.50: Medium Grained** **43.00 - 44.50: Banded**												
44.50	45.90	**IGRD, Granodiorite** WHITE GRANODIORITE. ONLY VERY WEAK HEMATITE ALTERATION ALONG FRACTURES. WEAK CHLORITE ALTERATION WITHIN PEGMATITE ZONES. **Alteration:** **44.50 - 45.90: Chlorite, Patchy, Weak** **44.50 - 45.90: Hematite, Fracture Filling, Weak** **Structure:** **44.50 - 45.90: Foliation** **Texture:** **44.50 - 45.90: Coarse Grained** **44.70 - 44.90: Pegmatitic**												
45.90	53.50	**MQZT, Mafic metasediment** QUETICO METASEDIMENTS. ALTERATION CONFINED TO FRACTURES, WITH SMALL ZONES OF STRONG PERVASSIVE HEMATITE ALTERATION 52.2-53.5m. **Alteration:** **45.90 - 53.50: Epidote, Fracture Filling, Weak** **45.90 - 53.50: Hematite, Fracture Filling, Moderate** NARROW 1-5mm ANNEALED FRACTURES **52.20 - 53.50: Hematite, Pervasive, Strong** PREFERRENTIALLY ALTERS LEUCOCRATIC BANDS AND EXTENDS FROM FRACTURE ZONES **Structure:** **45.90 - 53.50: Banded**												

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
Texture: **45.90 - 53.50: Banded** **52.00 - 53.50: Fractured** **52.50 - 52.60: Brecciated**														
53.50	57.30	**IGRD, Granodiorite** PINK TO RED GRANODIORITE. AS ABOVE, CONTACTS ARE BAND PARALLEL. PERVASSIVE HEMATITE ALTERATION WITH STRONG HEMATITE/CHLORITE ALTERATION ALONG FRACTURES. **Alteration:** **53.50 - 57.30: Chlorite, Fracture Filling, Moderate** **53.50 - 57.30: Hematite, Pervasive, Moderate** **53.50 - 57.30: Hematite, Fracture Filling, Strong** NARROW 1-5mm ANNEALED FRACTURES **Structure:** **53.50 - 57.30: Foliation** **Texture:** **53.50 - 57.30: Fractured** ANNEALED FRACTURES, NEARLY BRECCIATED **53.50 - 57.30: Foliated** **53.50 - 57.30: Coarse Grained**													
57.30	58.70	**MQZT, Mafic metasediment** QUETICO METASEDIMENTS. **Alteration:** **57.30 - 58.70: Carbonate, Fracture Filling, Weak** **57.30 - 58.70: Hematite, Fracture Filling, Moderate** NARROW 1-5mm ANNEALED FRACTURES **58.00 - 58.70: Chlorite, Fracture Filling, Moderate** **58.00 - 58.70: Hematite, Pervasive, Strong** STRONGER ALTERATION IN FRACTURED ZONE **Structure:** **57.30 - 58.70: Banded** **Texture:** **57.30 - 58.70: Medium Grained** **57.30 - 58.70: Banded** **58.00 - 58.70: Broken Core** **58.00 - 58.70: Fractured**													
58.70	59.30	**IGRD, Granodiorite**												

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		NARROW BAND OF GRANODIORITE. MODERATELY HEMATIZED. **Alteration:** **58.70 - 59.30: Chlorite, Fracture Filling, Moderate** **58.70 - 59.30: Hematite, Pervasive, Moderate** **Texture:** **58.70 - 59.30: Foliated**												
59.30	63.80	**MQZT, Mafic metasediment**												
63.80	66.40	**IGRD, Granodiorite** PINK GRANODIORITE. STRONGLY FOLIATED WITH MINOR FRACTURE CONTROLLED HEMATITE/CARBONATE/CHLORITE ALTERATION. MINOR BANDS OF SEDIMENT WITHIN INTERVAL. **Alteration:** **63.80 - 66.40: Carbonate, Fracture Filling, Weak** **63.80 - 66.40: Chlorite, Fracture Filling, Moderate** **63.80 - 66.40: Hematite, Fracture Filling, Strong** **63.80 - 66.40: Hematite, Pervasive, Moderate** **Structure:** **63.80 - 66.40: Foliation** **Texture:** **63.80 - 66.40: Medium Grained** **63.80 - 66.40: Foliated** **63.80 - 66.40: Banded**												
66.40	67.10	**MQZT, Mafic metasediment** BAND OF STONGLY GNEISSIC QUETICO SEDIMENTS BETWEEEN GRANODIORITE BANDS. **Alteration:** **66.40 - 67.10: Hematite, Fracture Filling, Weak** **Mineralization:** **66.40 - 67.10: Pyrite, Fracture Filling, 1%** **Structure:** **66.40 - 67.10: Banded** **Texture:** **66.40 - 67.10: Medium Grained** **66.40 - 67.10: Banded**												
67.10	68.20	**IGRD, Granodiorite**												

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		PINK GRANODIORITE. MODERATE PERVASSIVE HEMATITE ALTERATION. FRACTURE FILLING CARBONATE ALTERATION ALONG HEMATITE/CHLORITE FRACTURES. **Alteration:** **67.10 - 68.20: Hematite, Fracture Filling, Strong** **67.10 - 68.20: Chlorite, Fracture Filling, Weak** **67.10 - 68.20: Carbonate, Fracture Filling, Weak** **67.10 - 68.20: Hematite, Pervasive, Moderate** **Structure:** **67.10 - 68.20: Foliation** **Texture:** **67.10 - 68.20: Foliated** **67.10 - 68.20: Medium Grained** **68.00 - 68.20: Broken Core**											
68.20	71.30	**MQZT, Mafic metasediment** STRONGLY BANDED QUETICO SEDIMENTS. HEMATITE ALTERATION STRONGEST ALONG LEUCOCRATIC BANDS AND LATE FRACTUTRES. **Alteration:** **68.20 - 71.30: Epidote, Fracture Filling, Weak** **68.20 - 71.30: Chlorite, Fracture Filling, Moderate** **68.20 - 71.30: Hematite, Fracture Filling, Strong** **68.20 - 71.30: Hematite, Pervasive, Weak** **Mineralization:** **68.20 - 71.30: Pyrite, Fracture Filling, 1%** **Structure:** **68.20 - 71.30: Banded** **Texture:** **68.20 - 71.30: Banded** **68.90 - 69.00: Broken Core** **69.20 - 71.30: Medium Grained**											
71.30	73.90	**IGRD, Granodiorite** INTERBANDED GRANODIORITE AND METASEDIMENTS. STRONGLY FOLIATED. PERVASSIVE HEMATITE ALTERATION WITH STRONGER ALTERATION ALONG FRACTURES. FAIRLY FRACTURED THROUGHOUT. NARROW FRACTURES WITH BLEACHED HALOS BECOME PROMINENT. **Alteration:** **71.30 - 73.90: Hematite, Fracture Filling, Strong** **71.30 - 73.90: Hematite, Pervasive, Moderate** **Structure:** **71.30 - 73.90: Foliation**											

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
Texture: **71.30 - 73.90: Medium Grained** **71.30 - 73.90: Banded**														
73.90	77.40	**MQZT, Mafic metasediment** STRONGLY GNEISSIC, BOUDINAGED QUETICO METASEDIMENTS. ALTERATION MOSTLY CONFINED TO FRACTURES AND LEUCOCRATIC BANDS. **Alteration:** **73.90 - 77.40: Chlorite, Fracture Filling, Weak** **73.90 - 77.40: Hematite, Fracture Filling, Moderate** **Structure:** **73.90 - 77.40: Boundinage** **Texture:** **73.90 - 77.40: Medium Grained** **73.90 - 77.40: Banded**												
77.40	78.10	**IGRD, Granodiorite** BAND OF PINK, HEMATIZED GRANODIORITE. FAIRLY COMPETENT RELATIVE TO OTHER INTERVALS. **Alteration:** **77.40 - 78.10: Hematite, Pervasive, Moderate** **Structure:** **77.40 - 78.10: Foliation** **Texture:** **77.40 - 78.10: Banded** **77.40 - 78.10: Medium Grained**												
78.10	79.40	**MQZT, Mafic metasediment** QUETICO METASEDIMENTS. HEMATITE ALTERATION CONFINED TO FRACTURES. FAIRLY COMPETENT CORE RELATIVE TO OVERLYING INTERVALS. **Alteration:** **78.10 - 79.40: Chlorite, Fracture Filling, Moderate** **78.10 - 79.40: Hematite, Fracture Filling, Moderate** **Mineralization:** **78.10 - 79.40: Pyrite, Fracture Filling, 1%** **Texture:** **78.10 - 79.40: Banded** **78.10 - 79.40: Medium Grained**												
79.40	83.00	**IGRD, Granodiorite**												

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		PINK TO RED GRANODIORITE. WEAK FELDSPAR PORPHYRITIC TEXTURE (PORPHYROBLASTIC?). NARROW BRECCIA ZONE IS STRONGLY HEMATIZED WITH A CHLORITIC MATRIX FROM 81.2-81.4m. **Alteration:** **79.40 - 83.00: Chlorite, Fracture Filling, Strong** CHLORITIC CORE TO FRACTURES **79.40 - 83.00: Hematite, Fracture Filling, Strong** **79.40 - 83.00: Hematite, Pervasive, Moderate** **Mineralization:** **79.40 - 83.00: Pyrite, Fracture Filling, 1%** **Structure:** **79.40 - 83.00: Foliation** **Texture:** **79.40 - 81.60: Fractured** **79.40 - 83.00: Medium Grained - Coarse Grained** **79.40 - 83.00: Porphyritic** FELDSPAR PHYRIC **81.20 - 81.40: Brecciated**											
83.00	90.00	**MQZT, Mafic metasediment** DOMINANTLY QUETICO METASEDIMENTS WITH NARROW (<1m) BANDS OF GRANODIORITE. STRONGLY FRACTURED WITH HEMATITE/CARBONATE/CHLORITE/EPIDOTE ALTERATION. **Alteration:** **83.00 - 90.00: Chlorite, Fracture Filling, Moderate** **83.00 - 90.00: Epidote, Fracture Filling, Weak** **83.00 - 90.00: Hematite, Fracture Filling, Strong** **Structure:** **83.00 - 90.00: Banded** **Texture:** **83.00 - 90.00: Medium Grained** **83.00 - 90.00: Gneissic**											
90.00	95.20	**IGRD, Granodiorite** PINK-RED GRANODIORITE. MODERATE PERVASSIVE ALTERATION, WITH VERY STRONG HEMATITE ALTERATION ALONG FRACTURES. CORES OF FRACTURES ARE DOMINANTLY CARBONATE. STRONGLY FRACTURED THROUGHOUT INTERVAL. **Alteration:** **90.00 - 95.20: Carbonate, Fracture Filling, Moderate** **90.00 - 95.20: Hematite, Fracture Filling, Strong** **90.00 - 95.20: Hematite, Pervasive, Moderate** **Structure:** **90.00 - 95.20: Banded**											

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct

Texture:

90.00 - 95.20: Foliated

90.00 - 95.20: Medium Grained

90.00 - 95.20: Fractured

95.20 184.30 **MQZT, Mafic metasediment**

STRONGLY GNEISSIC QUETICO SEDIMENTS. LEUCOCRATIC BANDS ARE <10cm WIDE. PERVASIVE AND FRACTURE CONTROLLED HEMATITE ALTERATION FROM 95.2-128.2m. CARBONATE, CHLORITE AND OR EPIDOTE CAN FILL CORE OF FRACTURES. FROM 115-125m FRACTURES BEGIN TO COALESCE TO FORM DISCREET BRECCIA ZONES AS INDICATED IN TEXTURE LOG. AFTER 128.2m FRACTURES DECREASE AND ONLY MINOR PERVASSIVE HEMATITE ALTERATION IS OBSERVED ADJACENT TO FRACTURES.

Alteration:

95.20 - 125.00: Chlorite, Fracture Filling, Strong

95.20 - 130.20: Hematite, Pervasive, Moderate

PERVASSIVE ALTERATION WHERE FRACTURING IS STRONG.

95.20 - 149.50: Epidote, Fracture Filling, Weak

95.20 - 149.50: Hematite, Fracture Filling, Strong

95.20 - 184.30: Carbonate, Fracture Filling, Moderate

125.00 - 184.30: Chlorite, Fracture Filling, Weak

144.20 - 144.30: Hematite, Fracture Filling, Strong

BRECCIA ZONE

176.40 - 179.40: Chlorite, Pervasive, Strong

CHLORITIC UNIT

176.40 - 179.40: Hematite, Pervasive, Moderate

Mineralization:

95.20 - 122.30: Pyrite, Fracture Filling, 1%

122.30 - 123.10: Pyrite, Breccia, 5%

123.10 - 184.30: Pyrite, Fracture Filling, 1%

176.30 - 176.40: Pyrite, Fracture Filling, 50%

5cm WIDE MASSIVE PYRITE VEIN

Structure:

95.20 - 184.30: Banded

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Texture: **95.20 - 184.30: Fractured** **95.20 - 184.30: Medium Grained** **95.20 - 184.30: Gneissic** **101.00 - 101.10: Brecciated** **115.00 - 115.80: Broken Core** **115.00 - 116.10: Brecciated** **117.00 - 118.50: Broken Core** **117.00 - 120.40: Brecciated** **122.30 - 123.10: Brecciated** **144.20 - 144.30: Brecciated** **145.70 - 145.80: Brecciated** **147.50 - 147.60: Brecciated**											
184.30	186.50	**IGRD, Granodiorite** PINK-RED GRANODIORITE BAND. NARROW FRACTURES WITH BLEACHED HALOS CUT UNIT. **Alteration:** **184.30 - 186.50: Epidote, Spots, Weak** **184.30 - 186.50: Chlorite, Fracture Filling, Moderate** **184.30 - 186.50: Hematite, Pervasive, Moderate** **Mineralization:** **184.30 - 186.50: Pyrite, Fracture Filling, 3%** **Structure:** **184.30 - 186.50: Foliation** **Texture:** **184.30 - 186.50: Foliated** **184.30 - 186.50: Medium Grained** **186.10 - 186.30: Brecciated**											
186.50	235.60	**MQZT, Mafic metasediment** STRONGLY GNEISSIC QUETICO SEDIMENTS. LEUCOCRATIC BANDS ARE <10cm WIDE. WEAK FRACTURE CONTROLLED HEMATITE ALTERATION TO 194m THEN LARGELY UNALTERED UNTIL 206.7m WHERE A NARROW BRECCIA ZONE IS WEAKLY HEMATIZED. FROM 206.7-237m HEMATITE ALTERATION IS CONFINED TO FRACTURES AGAIN, WITH CHLORITIC CORES TO THE FRACTURES. FROM 209m-237m GNEISSIC BANDING IS LESS APARENT, APPEARING MORE MASSIVE/BEDDED IN TEXTURE.											

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
Alteration:														
186.50 - 194.00: Hematite, Fracture Filling, Weak														
186.50 - 235.60: Chlorite, Fracture Filling, Weak														
186.50 - 235.60: Carbonate, Fracture Filling, Weak														
206.80 - 215.00: Hematite, Fracture Filling, Weak														
215.00 - 215.60: Hematite, Pervasive, Strong														
STRONGLY FRACTURED AND ALTERED ZONE														
215.60 - 235.60: Hematite, Fracture Filling, Weak														
HEMATITE CONFINED TO NARROW FRACTURES AND LEUCOCRATIC BANDS														
Mineralization:														
186.50 - 202.30: Pyrite, Fracture Filling, 1%														
204.30 - 204.90: Pyrite, Fracture Filling, 5%														
204.90 - 235.60: Pyrite, Fracture Filling, 1%														
Structure:														
186.50 - 235.60: Foliation														
Texture:														
186.50 - 194.00: Fractured														
NARROW, HEMATIZED FRACTURE ZONES														
186.50 - 209.00: Banded														
186.50 - 235.60: Medium Grained														
204.40 - 210.20: Fractured														
FRACTURED WITH MINOR BRECCIA ZONES. ONLY WEAKLY HEMATITE ALTERED														
209.00 - 235.60: Bedded														
215.00 - 215.60: Fractured														
235.60	236.30	**IGRD, Granodiorite**												
PINK TO RED GRANODIORITE BAND. MODERATELY HEMATIZED WITH BAND PARALLEL CONTACTS.														
Alteration:														
235.60 - 236.30: Hematite, Pervasive, Moderate														
Structure:														
235.60 - 236.30: Foliation														
Texture:														
235.60 - 236.30: Foliated														
236.30	240.60	**MQZT, Mafic metasediment**												
QUETICO METASEDIMENTS. WEAK FRACTURE CONTROLLED HEMATITE AND CHLORITE ALTERATION.														

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Alteration: **236.30 - 240.60: Carbonate, Fracture Filling, Weak** **236.30 - 240.60: Chlorite, Fracture Filling, Weak** **236.30 - 240.60: Hematite, Fracture Filling, Weak** **Mineralization:** **236.30 - 240.60: Pyrite, Fracture Filling, 1%** **Structure:** **236.30 - 240.60: Foliation** **Texture:** **236.30 - 240.60: Medium Grained** **236.30 - 240.60: Bedded**												
240.60	241.70	**IMD, Mafic dykes** ARCHEAN MAFIC DYKE. DARK GREEN/BLACK COLOUR. BIOTITE AND CHLORITE MAKE UP BULK OF COMPOSITION (LAMPROPHYRE?). STRONGLY FOLIATED TO SCHISTOSE, POSSIBLY SHEARED. **Alteration:** **240.60 - 241.70: Carbonate, Fracture Filling, Weak** **Structure:** **240.60 - 241.70: Sheared** SHEARING IS BAND PARALLEL **Texture:** **240.60 - 241.70: Porphyritic** BIOTITE PORPHYRITIC **240.60 - 241.70: Schistose**												
241.70	278.30	**MQZT, Mafic metasediment** QUETICO METASEDIMENTS. BACK TO A STRONG GNEISSIC TEXTURE FROM 242.7m TO 278.3m. STRONG HEMATITE ALTERATION FOLLOWS THE TEXTURAL CHANGE. **Alteration:** **241.70 - 242.70: Hematite, Fracture Filling, Weak** **241.70 - 278.30: Carbonate, Fracture Filling, Weak** **241.70 - 278.30: Chlorite, Fracture Filling, Weak** **242.70 - 257.00: Hematite, Pervasive, Strong** **250.80 - 260.00: Epidote, Fracture Filling, Weak** **257.00 - 278.30: Hematite, Pervasive, Weak** **257.00 - 278.30: Hematite, Fracture Filling, Moderate** **Mineralization:** **241.70 - 278.30: Pyrite, Fracture Filling, 1%** XXXXXXXXX												

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Structure: **241.70 - 278.30: Foliation** **Texture:** **241.70 - 242.70: Bedded** MASSIVE TO BEDDED **242.70 - 278.30: Banded** GNEISSIC TEXTURE **250.60 - 254.00: Brecciated** BRECCIATED BROKEN CORE. OPEN SPACE FILLING CARBONATE AND FELDSPAR IN PLACES												
278.30	279.00	**ITN, Tonalite** STRONGLY HEMATIZED TONALITE PEGMATITE VEIN. QUARTZ, FELDSPAR, MUSCOVITE AND MINOR BIOTITE. **Alteration:** **278.30 - 279.00: Hematite, Pervasive, Strong** **Texture:** **278.30 - 279.00: Massive** **278.30 - 279.00: Pegmatitic**												
279.00	281.50	**MQZT, Mafic metasediment** **Alteration:** **279.00 - 281.50: Hematite, Pervasive, Moderate** STRONGEST IN LEUCOCRATIC BANDS **Mineralization:** **279.00 - 281.50: Pyrite, Fracture Filling, 1%** **Structure:** **279.00 - 281.50: Banded** **Texture:** **279.00 - 281.50: Medium Grained** **279.00 - 281.50: Banded**												
281.50	287.00	**ITN, Tonalite** STRONGLY HEMATIZED TONALITE PEGMATITE VEIN. QUARTZ, FELDSPAR, MUSCOVITE AND MINOR BIOTITE. **Alteration:** **281.50 - 287.00: Hematite, Pervasive, Strong** **Texture:** **281.50 - 287.00: Massive** **281.50 - 287.00: Pegmatitic**												

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
287.00	289.70	**MQZT, Mafic metasediment** QUETICO METASEDIMENTS. MINOR FOLDING AND BOUDINAGING OF LEUCOSOME OBSERVED. **Alteration:** **287.00 - 289.70: Chlorite, Fracture Filling, Weak** **287.00 - 289.70: Hematite, Pervasive, Moderate** STRONGEST ALTERATION ALONG LEUCOCRATIC BANDS **Structure:** **287.00 - 289.70: Banded** **Texture:** **287.00 - 289.70: Folded** DISCONTINOUS LEUCOSOME SHOWS FOLDING AT DRILL CORE SCALE **287.00 - 289.70: Medium Grained** **287.00 - 289.70: Banded**											
289.70	290.80	**ITN, Tonalite** STRONGLY HEMATIZED TONALITE PEGMATITE VEIN. QUARTZ AND FELDSPAR COMPOSITION. **Alteration:** **289.70 - 290.80: Hematite, Pervasive, Strong** **Texture:** **289.70 - 290.80: Fractured** **289.70 - 290.80: Massive** **289.70 - 290.80: Pegmatitic**											
290.80	291.50	**MQZT, Mafic metasediment** **Alteration:** **290.80 - 291.50: Hematite, Pervasive, Moderate** **Mineralization:** **290.80 - 291.50: Pyrite, Fracture Filling, 1%** **Structure:** **290.80 - 291.50: Foliation** **Texture:** **290.80 - 291.50: Medium Grained** **290.80 - 291.50: Banded** **290.80 - 291.50: Fractured**											
291.50	292.20	**ITN, Tonalite**											

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		STRONGLY HEMATIZED TONALITE PEGMATITE VEIN. QUARTZ AND FELDSPAR COMPOSITION. MODERATELY FRACTURED. **Alteration:** **291.50 - 292.20: Carbonate, Fracture Filling, Weak** **291.50 - 292.20: Hematite, Pervasive, Strong** **Texture:** **291.50 - 292.20: Fractured** **291.50 - 292.20: Massive** **291.50 - 292.20: Pegmatitic**												
292.20	293.50	**MQZT, Mafic metasediment** DEEP RED, STRONGLY FRACTURED SEDIMENTS. ALTERATION HAS OBSCURED BANDING/BEDDING. **Alteration:** **292.20 - 293.50: Epidote, Spots, Moderate** APPEARS TO OVERPRINT ALL OTHER ALTERATION **292.20 - 293.50: Chlorite, Fracture Filling, Moderate** **292.20 - 293.50: Hematite, Pervasive, Strong** **Mineralization:** **292.20 - 293.50: Pyrite, Fracture Filling, 1%** **Texture:** **292.20 - 293.50: Fine Grained** **292.20 - 293.50: Foliated**												
293.50	295.30	**ITN, Tonalite** STRONGLY HEMATIZED TONALITE PEGMATITE VEIN. QUARTZ, FELDSPAR AND MINOR MUSCOVITE. MICROPERTHITE TEXTURE NOTED IN SOME FELDSPARS, WITH DARK RED HEMATIZED LAMELLAE. **Alteration:** **293.50 - 295.30: Chlorite, Fracture Filling, Weak** **293.50 - 295.30: Hematite, Pervasive, Strong** **Texture:** **293.50 - 295.30: Fractured** **293.50 - 295.30: Massive** **293.50 - 295.30: Pegmatitic**												
295.30	296.30	**MQZT, Mafic metasediment** **Alteration:** **295.30 - 296.30: Chlorite, Fracture Filling, Weak** **295.30 - 296.30: Hematite, Pervasive, Weak**												

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Mineralization: **295.30 - 296.30: Pyrite, Fracture Filling, 1%** **Structure:** **295.30 - 296.30: Banded** **Texture:** **295.30 - 296.30: Medium Grained** **295.30 - 296.30: Banded**												
296.30	296.60	**ITN, Tonalite** STRONGLY HEMATIZED TONALITE PEGMATITE VEIN. QUARTZ AND FELDSPAR COMPOSITION. **Alteration:** **296.30 - 296.60: Hematite, Pervasive, Strong** **Texture:** **296.30 - 296.60: Massive** **296.30 - 296.60: Pegmatitic**												
296.60	298.80	**MQZT, Mafic metasediment** QUETICO METASEDIMENTS. FROM 297.4m STRONG FRACTURING, THEN BRECCIATION OBSERVED. CHLORITIC MATRIX WITH HEMATIZED FRAGMENTS OF SEDIMENT AND TONALITE. APPEARS TO BE A BRITTLE FAULT. SHARP CONTACT WITH UNDERLYING GABBRO IS BROKEN CORE. **Alteration:** **296.60 - 297.40: Chlorite, Fracture Filling, Moderate** **296.60 - 298.40: Hematite, Fracture Filling, Moderate** **297.40 - 298.80: Chlorite, Fracture Filling, Strong** **298.40 - 298.80: Hematite, Pervasive, Strong** CLASTS WITHIN BRECCIA ZONE ARE STRONGLY HEMATIZED **Mineralization:** **296.60 - 298.80: Pyrite, Fracture Filling, 1%** **Texture:** **296.60 - 297.40: Banded** **297.40 - 298.20: Brecciated** **297.40 - 298.20: Fault Gouge**												
298.80	299.60	**IGD, Gabbroic dykes** PYROXENE PHYRIC MAFIC DYKE. GREY/BLACK COLOUR. FINE GRAINED GROUNDMASS APPEARS CARBONATIZED. CARBONATE FRACTURES BREAK UP DYKE. 2-3% FRACTURE CONTROLLED PYRITE MINERALIZATION. **Alteration:** **298.80 - 299.60: Carbonate, Fracture Filling, Strong**												

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Mineralization: **298.80 - 299.60: Pyrite, Fracture Filling, 2-3%** **Texture:** **298.80 - 299.60: Massive** **298.80 - 299.60: Fine Grained** **298.80 - 299.60: Pyroxene Phyric**												
299.60	326.30	**MQZT, Mafic metasediment** BRECCIA/FAULT ZONE CONTINUES TO 299.9m. STRONGLY FRACTURED AFTERWARDS TO 300.3m. NARROW, ISOLATED FRACTURE/BRECCIA ZONES CONTINUE TO 306m AND ARE ASSOCIATED WITH STRONG HEMATITE ALTERATION. GNEISSIC TEXTURE THROUGH TO 326.3m. NARROW FRACTURES THROUGHOUT INTERVAL ARE OBSERVED TO DISPLACE BANDS **Alteration:** **299.60 - 300.30: Chlorite, Fracture Filling, Strong** **299.60 - 320.00: Epidote, Fracture Filling, Weak** **299.60 - 320.00: Carbonate, Fracture Filling, Weak** WEAK TO MODERATE CARBONATE FRACTURES INCREASE DOWNHOLE. XXXXXXXXXXXXXXXX **299.60 - 320.00: Hematite, Fracture Filling, Weak** XXXXXXXXXXXX **Mineralization:** **299.60 - 326.30: Pyrite, Fracture Filling, 1%** **Structure:** **299.60 - 326.30: Banded** **Texture:** **299.60 - 306.00: Fractured** **299.60 - 326.30: Medium Grained** **299.60 - 326.30: Banded**											
326.30	337.20	**ILMP, Lamprophyre** BLACK-GREEN COARSE GRAINED BIOTITE/CHLORITE/AMPHIBOLE BEARING UNIT. UPPER AND LOWER CONTACTS ARE A MOTTLED GREEN-RED COLOUR, COMPRISED OF CRYPTOCRYSTALLINE CHLORITE/AMPHIBOLE? AND K-FELDSPAR. FROM 329.6 TO 330.1m UNIT LOOKS MORE GABBROIC, COMPRISED OF SUBHEDRAL AMPHIBOLE, PINK FELDSPAR AND UP TO 10% PYRITE. POSSIBLY A DYKE INTRUDING THIS UNIT? FROM 333.5-334.2m UNIT IS PEGMATITIC, WITH EUHEDRAL BLACK AMPHIBOLE AND K-FELDSPAR. **Alteration:** **326.30 - 337.20: Carbonate, Fracture Filling, Weak** **329.60 - 330.10: Epidote, Mottled, Moderate** **329.60 - 330.10: Hematite, Mottled, Moderate** **336.50 - 337.20: Chlorite, Mottled, Strong** **Mineralization:** **329.60 - 330.10: Pyrite, Disseminated, 5%**											

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Texture: **326.30 - 335.50: Coarse Grained** **335.50 - 336.20: Pegmatitic** **336.20 - 337.20: Coarse Grained**												
337.20	339.90	**MQZT, Mafic metasediment** GNEISSIC QUETICO METASEDIMENTS. FRACTURE FILLING HEMATITE AND CHLORITE ALTERATION THROUGHOUT. ABUNDANT HAIRLINE FRACTURES OF CARBONATE/HEMATITE. **Alteration:** **337.20 - 339.90: Carbonate, Fracture Filling, Moderate** **337.20 - 339.90: Chlorite, Fracture Filling, Moderate** **337.20 - 339.90: Hematite, Fracture Filling, Moderate** **Mineralization:** **337.20 - 339.90: Pyrite, Fracture Filling, 1%** **Structure:** **337.20 - 339.90: Banded** **Texture:** **337.20 - 339.90: Banded** **337.20 - 339.90: Medium Grained**												
339.90	344.10	**IMD, Mafic dykes** GREEN, CHLORITIC, ARCHEAN MAFIC DYKE. POSSIBLY PART OF A SHEAR ZONE? STRONGLY FOLIATED. **Alteration:** **339.90 - 344.10: Chlorite, Pervasive, Strong** **Mineralization:** **339.90 - 344.10: Pyrite, Fracture Filling, 1%** **Structure:** **339.90 - 344.10: Contact** **Texture:** **339.90 - 344.10: Foliated** **339.90 - 344.10: Fine Grained**												
344.10	355.50	**MQZT, Mafic metasediment** GNEISSIC QUETICO METASEDIMENTS. FRACTURE FILLING HEMATITE AND CHLORITE ALTERATION THROUGHOUT. FROM 352.8 TO LOWER CONTACT WITH GABBRO BRECCIA, STONGER PERVASSIVE HEMATITE ALTERATION GIVES CORE A DEEP RED-MAROON COLOUR.	N500738	351.50	352.50	1.00	87.000	52.000	25.000	0.005	0.002	0.001	0.500
			N500739	352.50	353.50	1.00	91.000	26.000	31.000	0.005	0.003	0.001	0.500
			N500740	353.50	354.50	1.00	85.000	54.000	23.000	0.005	0.001	0.008	0.500
			N500741	354.50	355.50	1.00	95.000	56.000	26.000	0.005	0.002	0.001	0.500

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
Alteration:														
344.10 - 352.80: Hematite, Fracture Filling, Moderate														
344.10 - 355.50: Carbonate, Fracture Filling, Moderate														
344.10 - 355.50: Chlorite, Fracture Filling, Moderate														
352.80 - 355.50: Hematite, Pervasive, Strong														
Mineralization:														
344.10 - 355.50: Pyrite, Fracture Filling, 1%														
Structure:														
344.10 - 355.50: Banded														
Texture:														
344.10 - 355.50: Banded														
344.10 - 355.50: Medium Grained														
355.50	400.90	**IGBX, Gabbro Breccia**												

From	To	Lithology

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
N500742	355.50	356.50	1.00	49.000	67.000	23.000	0.010	0.007	0.001	0.500	
N500742	355.50	356.50	1.00	49.000	67.000	23.000	0.010	0.007	0.001	0.500	
N500743	356.50	357.50	1.00	47.000	74.000	23.000	0.013	0.010	0.001	0.500	
N500743	356.50	357.50	1.00	47.000	74.000	23.000	0.013	0.010	0.001	0.500	
N500744	357.50	358.50	1.00	7.000	56.000	5.000	0.005	0.003	0.012	0.500	
N500745	358.50	359.20	0.70	5.000	11.000	3.000	0.005	0.002	0.001	0.500	
N500746	359.20	359.50	0.30	18.000	11.000	13.000	0.009	0.007	0.001	0.500	
N500747	359.50	360.40	0.90	11.000	15.000	6.000	0.007	0.004	0.001	0.500	
N500748	360.40	361.50	1.10	28.000	54.000	17.000	0.011	0.007	0.001	0.500	
N500749	361.50	362.50	1.00	15.000	25.000	11.000	0.005	0.003	0.001	0.500	
N500751	362.50	363.50	1.00	14.000	21.000	9.000	0.005	0.002	0.001	0.500	
N500752	363.50	364.70	1.20	2.000	6.000	2.000	0.005	0.001	0.001	0.500	
N500753	364.70	365.50	0.80	29.000	67.000	17.000	0.005	0.003	0.001	0.500	
N500754	365.50	366.50	1.00	48.000	50.000	23.000	0.007	0.004	0.001	0.500	
N500755	366.50	367.50	1.00	53.000	43.000	22.000	0.008	0.007	0.001	0.500	
N500756	367.50	368.50	1.00	33.000	45.000	17.000	0.005	0.004	0.001	0.500	
N500757	368.50	369.50	1.00	31.000	71.000	19.000	0.005	0.003	0.001	0.500	
N500758	369.50	371.00	1.50	35.000	36.000	18.000	0.005	0.003	0.001	0.500	
N500759	371.00	372.50	1.50	35.000	52.000	21.000	0.006	0.004	0.001	0.500	
N500761	372.50	374.00	1.50	43.000	83.000	22.000	0.007	0.005	0.001	0.500	
N500762	374.00	375.50	1.50	22.000	47.000	14.000	0.009	0.006	0.001	0.500	
N500763	375.50	377.00	1.50	29.000	91.000	17.000	0.012	0.008	0.001	0.500	
N500764	377.00	378.50	1.50	35.000	70.000	20.000	0.007	0.005	0.001	0.500	
N500765	378.50	380.00	1.50	35.000	107.000	20.000	0.007	0.006	0.001	0.500	
N500766	380.00	381.50	1.50	32.000	70.000	19.000	0.006	0.005	0.001	0.500	
N500767	381.50	383.00	1.50	37.000	42.000	19.000	0.010	0.007	0.001	0.500	
N500768	383.00	384.50	1.50	38.000	43.000	18.000	0.008	0.006	0.001	0.500	
N500769	384.50	386.00	1.50	36.000	91.000	18.000	0.005	0.003	0.001	0.500	
N500771	386.00	387.50	1.50	40.000	146.000	20.000	0.005	0.005	0.001	0.500	
N500772	387.50	389.00	1.50	42.000	62.000	17.000	0.006	0.003	0.001	0.500	
N500773	389.00	390.50	1.50	41.000	102.000	20.000	0.007	0.005	0.001	0.500	
N500774	390.50	392.00	1.50	31.000	51.000	17.000	0.007	0.006	0.001	0.500	
N500775	392.00	393.50	1.50	30.000	49.000	16.000	0.006	0.005	0.001	0.500	
N500776	393.50	395.00	1.50	31.000	89.000	16.000	0.020	0.013	0.001	0.500	
N500777	395.00	396.50	1.50	27.000	6.000	18.000	0.006	0.004	0.001	0.500	
N500778	396.50	398.00	1.50	43.000	102.000	19.000	0.021	0.016	0.001	0.500	
N500779	398.00	399.00	1.00	56.000	109.000	21.000	0.028	0.025	0.001	0.500	
N500780	398.00	399.00	1.00	58.000	114.000	21.000	0.031	0.025	0.001	0.500	
N500781	399.00	400.00	1.00	153.000	128.000	28.000	0.113	0.101	0.004	0.500	
N500782	400.00	400.90	0.90	50.000	122.000	26.000	0.036	0.034	0.001	0.500	
N500744	357.50	358.50	1.00	7.000	56.000	5.000	0.005	0.003	0.012	0.500	
N500745	358.50	359.20	0.70	5.000	11.000	3.000	0.005	0.002	0.001	0.500	
N500746	359.20	359.50	0.30	18.000	11.000	13.000	0.009	0.007	0.001	0.500	
N500747	359.50	360.40	0.90	11.000	15.000	6.000	0.007	0.004	0.001	0.500	
N500748	360.40	361.50	1.10	28.000	54.000	17.000	0.011	0.007	0.001	0.500	
N500749	361.50	362.50	1.00	15.000	25.000	11.000	0.005	0.003	0.001	0.500	

From	To	Lithology

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
N500751	362.50	363.50	1.00	14.000	21.000	9.000	0.005	0.002	0.001	0.500	
N500752	363.50	364.70	1.20	2.000	6.000	2.000	0.005	0.001	0.001	0.500	
N500753	364.70	365.50	0.80	29.000	67.000	17.000	0.005	0.003	0.001	0.500	
N500754	365.50	366.50	1.00	48.000	50.000	23.000	0.007	0.004	0.001	0.500	
N500755	366.50	367.50	1.00	53.000	43.000	22.000	0.008	0.007	0.001	0.500	
N500756	367.50	368.50	1.00	33.000	45.000	17.000	0.005	0.004	0.001	0.500	
N500757	368.50	369.50	1.00	31.000	71.000	19.000	0.005	0.003	0.001	0.500	
N500758	369.50	371.00	1.50	35.000	36.000	18.000	0.005	0.003	0.001	0.500	
N500759	371.00	372.50	1.50	35.000	52.000	21.000	0.006	0.004	0.001	0.500	
N500761	372.50	374.00	1.50	43.000	83.000	22.000	0.007	0.005	0.001	0.500	
N500762	374.00	375.50	1.50	22.000	47.000	14.000	0.009	0.006	0.001	0.500	
N500763	375.50	377.00	1.50	29.000	91.000	17.000	0.012	0.008	0.001	0.500	
N500764	377.00	378.50	1.50	35.000	70.000	20.000	0.007	0.005	0.001	0.500	
N500765	378.50	380.00	1.50	35.000	107.000	20.000	0.007	0.006	0.001	0.500	
N500766	380.00	381.50	1.50	32.000	70.000	19.000	0.006	0.005	0.001	0.500	
N500767	381.50	383.00	1.50	37.000	42.000	19.000	0.010	0.007	0.001	0.500	
N500768	383.00	384.50	1.50	38.000	43.000	18.000	0.008	0.006	0.001	0.500	
N500769	384.50	386.00	1.50	36.000	91.000	18.000	0.005	0.003	0.001	0.500	
N500771	386.00	387.50	1.50	40.000	146.000	20.000	0.005	0.005	0.001	0.500	
N500772	387.50	389.00	1.50	42.000	62.000	17.000	0.006	0.003	0.001	0.500	
N500773	389.00	390.50	1.50	41.000	102.000	20.000	0.007	0.005	0.001	0.500	
N500774	390.50	392.00	1.50	31.000	51.000	17.000	0.007	0.006	0.001	0.500	
N500775	392.00	393.50	1.50	30.000	49.000	16.000	0.006	0.005	0.001	0.500	
N500776	393.50	395.00	1.50	31.000	89.000	16.000	0.020	0.013	0.001	0.500	
N500777	395.00	396.50	1.50	27.000	6.000	18.000	0.006	0.004	0.001	0.500	
N500778	396.50	398.00	1.50	43.000	102.000	19.000	0.021	0.016	0.001	0.500	
N500779	398.00	399.00	1.00	56.000	109.000	21.000	0.028	0.025	0.001	0.500	
N500780	398.00	399.00	1.00	58.000	114.000	21.000	0.031	0.025	0.001	0.500	
N500781	399.00	400.00	1.00	153.000	128.000	28.000	0.113	0.101	0.004	0.500	
N500782	400.00	400.90	0.90	50.000	122.000	26.000	0.036	0.034	0.001	0.500	

From	To	Lithology

MINOR INTERVALS:

355.50 - 357.50 : IGBX Gabbro Breccia
BROWN/MAROON COLOURED GABBROIC MATRIX WITH ABUNDANT SUBANGULAR XENOLITHS (30-40%). XENOLITHS ARE DOMINANTLY QUARTZ WITH BLACK CHLORITIC CORONAS AND MINOR CLASTS OF BLACK QUETICO SEDIMENT WHICH ARE MORE SUBROUNDED IN SHAPE AND OBSERVED TO BE PARTIALLY DIGESTED INTO THE GABBRO. PODS/CLASTS OF EPIDOTE RICH MATERIAL COMMON. 2-5% CARBONATE CLASTS ARE FINE GRAINED, SOMETIMES ASSOCIATED WITH QUARTZ XENOLITHS. 1-3% DISSEMINATED PYRITE.

357.50 - 359.20 : IGRD IGRD
DARK RED, HEMATIZED GRANODIORITE. LIKELY A LARGE WALL ROCK XENOLITH. DIFFUSE CONTACTS WITH GABBRO WHICH APPEARS TO BE DIGESTING GRANODIORITE. NARROW DIFFUSE ZONES OF QUARTZ XENOLITH BEARING GABBRO WITHIN THIS INTERVAL.

359.20 - 359.50 : IGBX Gabbro Breccia
BRIGHT RED QUARTZ XENOLITH BEARING GABBRO BRECCIA. DIFFUSE UPPER AND LOWER CONTACTS WITH GRANODIORITE.

359.50 - 360.40 : IGRD IGRD
BRIGHT RED GRANODIORITE AS ABOVE, AGAIN WITH NARROW ZONES OF GABBRO BRECCIA X-CUTTING INTERVAL.

360.40 - 363.50 : IGBX Gabbro Breccia
BRIGHT RED GABBRO BRECCIA. XENOLITHS OF QUARTZ AND GRANODIORITE COMPRISE 30% OF INTERVAL.

363.50 - 364.70 : IGRD IGRD
BRIGHT RED/PINK GRANODIORITE XENOLITH.

364.70 - 400.90 : IGBX Gabbro Breccia
BRIGHT RED TO GREY COLOURED GABBRO BRECCIA. AS ABOVE, UNIT IS CHARACTERIZED BY A RED AND BLACK, FINE GRAINED, HEMATIZED GABBROIC GROUNDMASS WITH ~20% SUBANGULAR QUARTZ XENOLITHS. QUARTZ XENOLITHS RANGE FROM 1-20cm LONG AND HAVE A NARROW, CHLORITIC HALO SURROUNDING THEM. PATCHY EPIDOTE ALTERATION FOUND IN AND ADJACENT TO SOME XENOLITHS. 1-4% DISSEMINATED PYRITE THROUGHOUT. PYRITE IS MOST ABUNDANT FROM 399.5m. LOWER CONTACT WITH UPPER SERIES GABBRO IS OCCURS OVER ~1m WHERE GROUNDMASS GRADUALLY COARSENS, SHOWING EUHEDRAL FELDSPAR AND AMPHIBOLE, AND QUARTZ XENOLITHS CEASE.

Minor Alteration:

355.50 - 357.50: Epidote, Patchy, Weak

355.50 - 357.50: Hematite, Pervasive, Strong

357.50 - 359.20: Hematite, Pervasive, Strong

359.20 - 359.50: Hematite, Pervasive, Strong

359.50 - 360.40: Hematite, Pervasive, Strong

360.40 - 363.50: Hematite, Pervasive, Strong

363.50 - 364.70: Hematite, Pervasive, Strong

364.70 - 367.50: Hematite, Pervasive, Strong

367.50 - 370.30: Epidote, Patchy, Moderate

SPOTS OF EPIDOTE MAY REPRESENT ALTERED XENOLITHS

367.90 - 388.00: Hematite, Pervasive, Strong

388.40 - 400.90: Hematite, Pervasive, Strong

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Minor Mineralization:												
		355.50 - 357.50: Pyrite, Disseminated, 1-3%												
		359.20 - 359.50: Pyrite, Fracture Filling, 2%												
		359.50 - 360.40: Pyrite, Disseminated, 2%												
		MINERALIZATION CONFINED TO NARROW INTERVALS OF GABBRO BRECCIA CUTTING GRANODIC												
		360.40 - 363.50: Pyrite, Disseminated, 2%												
		FINELY DISSEMINATED PYRITE ALONG WITH FRACTURE FILLING PYRITE												
		364.70 - 380.00: Pyrite, Disseminated, 4%												
		FINELY DISSEMINATED THROUGH MATRIX AND LESSER MEDIUM GRAINED EUHEDRAL PYRITE												
		380.00 - 399.50: Pyrite, Disseminated, 2%												
		FINELY DISSEMINATED BUT PATCHY												
		380.00 - 400.90: Pyrite, Disseminated, 4%												
		COARSER DISSEMINATED PYRITE. STARTING TO CONCENTRATE ADJACENT AND WITHIN XENOL												
		Minor Texture:												
		355.50 - 357.50: Xenolithic												
		QUARTZ, CARBONATE, AND QUETICO XENOLITHS												
		355.50 - 357.50: Fine Grained Matrix												
		357.50 - 359.20: Massive												
		357.50 - 359.20: Medium Grained												
		359.20 - 359.50: Xenolithic												
		359.20 - 359.50: Fine Grained Matrix												
		359.50 - 360.40: Medium Grained												
		359.50 - 360.40: Massive												
		360.40 - 363.50: Fine Grained Matrix												
		360.40 - 363.50: Xenolithic												
		QUARTZ AND GRANODIORITE XENOLITHS												
		363.50 - 364.70: Massive												
		363.50 - 364.70: Medium Grained												
		364.70 - 400.90: Xenolithic												
		APPROXIMATELY 20% XENLOLITHS ARE DOMINANTLY SUBANGULAR QUARTZ. AS LOWER CONTACT IS APPROACHED, CHLORITE HALO SURROUNDING QUARTZ BECOMES WIDER. FRAGMENTS OF CHLORITE/AMPHIBOLE APPEAR NEAR LOWER CONTACT.												
		364.70 - 400.90: Fine Grained Matrix												
		393.50 - 397.60: Fractured												
		VERY FRACTURED, BROKEN CORE. NOT GRAVEL												
400.90	421.50	**IGUS, Upper Series Gabbro**												

From	To	Lithology

MINOR INTERVALS:
400.90 - 421.50 : ILGB Leucogabbro
PLAGIOCLASE CUMULATE LEUCOGABBRO/MONZOGABBRO. RED AND GREEN SPOTTED APPEARANCE TO 404m DUE TO PODS OF CHLORITE/AMPHIBOLE WITHIN HEMATIZED GROUNDMASS. FELDSPAR ARE EUHDERAL, LATH SHAPED THROUGHOUT INTERVAL WITH EUHEDRAL AMPHIBOLE/PYROXENE BECOMING MORE PROMINENT DOWN HOLE. INTERCUMULUS GROUNDMASS IS STRONGLY HEMATIZED, FINE GRAINED AND ANHEDRAL. 1-2 % DISSEMINATED PYRITE THROUGHOUT. UNIT BECOMES SLIGHTLY MORE MAFIC DOWNHOLE BEFORE GRADATIONAL LOWER CONTACT WITH FINER GRAINED LOWER SERIES GABBRO.

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
N500783	400.90	402.00	1.10	10.000	35.000	36.000	0.005	0.001	0.001	0.500	
N500783	400.90	402.00	1.10	10.000	35.000	36.000	0.005	0.001	0.001	0.500	
N500784	402.00	403.00	1.00	33.000	105.000	45.000	0.005	0.001	0.002	0.500	
N500784	402.00	403.00	1.00	33.000	105.000	45.000	0.005	0.001	0.002	0.500	
N500785	403.00	404.00	1.00	31.000	29.000	49.000	0.005	0.001	0.001	0.500	
N500785	403.00	404.00	1.00	31.000	29.000	49.000	0.005	0.001	0.001	0.500	
N500786	404.00	405.50	1.50	33.000	165.000	39.000	0.007	0.002	0.001	0.500	
N500786	404.00	405.50	1.50	33.000	165.000	39.000	0.007	0.002	0.001	0.500	
N500787	405.50	407.00	1.50	27.000	153.000	38.000	0.005	0.001	0.001	0.500	
N500787	405.50	407.00	1.50	27.000	153.000	38.000	0.005	0.001	0.001	0.500	
N500788	407.00	408.50	1.50	12.000	81.000	36.000	0.005	0.001	0.001	0.500	
N500788	407.00	408.50	1.50	12.000	81.000	36.000	0.005	0.001	0.001	0.500	
N500789	408.50	410.00	1.50	13.000	105.000	38.000	0.005	0.001	0.001	0.500	
N500789	408.50	410.00	1.50	13.000	105.000	38.000	0.005	0.001	0.001	0.500	
N500791	410.00	411.50	1.50	49.000	267.000	45.000	0.017	0.003	0.004	0.500	
N500791	410.00	411.50	1.50	49.000	267.000	45.000	0.017	0.003	0.004	0.500	
N500792	411.50	413.00	1.50	65.000	256.000	47.000	0.027	0.006	0.006	0.500	
N500792	411.50	413.00	1.50	65.000	256.000	47.000	0.027	0.006	0.006	0.500	
N500793	413.00	414.50	1.50	52.000	314.000	43.000	0.016	0.003	0.004	0.500	
N500793	413.00	414.50	1.50	52.000	314.000	43.000	0.016	0.003	0.004	0.500	
N500794	414.50	416.00	1.50	55.000	263.000	44.000	0.020	0.007	0.003	0.500	
N500794	414.50	416.00	1.50	55.000	263.000	44.000	0.020	0.007	0.003	0.500	
N500795	416.00	417.50	1.50	63.000	246.000	48.000	0.022	0.010	0.003	0.500	
N500795	416.00	417.50	1.50	63.000	246.000	48.000	0.022	0.010	0.003	0.500	
N500796	417.50	418.50	1.00	72.000	160.000	44.000	0.029	0.015	0.006	0.500	
N500796	417.50	418.50	1.00	72.000	160.000	44.000	0.029	0.015	0.006	0.500	
N500797	418.50	419.50	1.00	67.000	209.000	42.000	0.029	0.018	0.004	0.500	
N500797	418.50	419.50	1.00	67.000	209.000	42.000	0.029	0.018	0.004	0.500	
N500798	419.50	420.50	1.00	80.000	248.000	50.000	0.025	0.010	0.006	0.500	
N500798	419.50	420.50	1.00	80.000	248.000	50.000	0.025	0.010	0.006	0.500	
N500799	420.50	421.50	1.00	93.000	257.000	58.000	0.022	0.014	0.003	0.500	
N500799	420.50	421.50	1.00	93.000	257.000	58.000	0.022	0.014	0.003	0.500	

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Minor Alteration: **400.90 - 421.50: Sericite, Pervasive, Moderate** ALL FELDSPAR APPEARS SERICITIZED **400.90 - 421.50: Epidote, Patchy, Moderate** **400.90 - 421.50: Hematite, Mottled, Strong** HEMATITE ALTERATION FOCUSED WITHIN PODS/MASSES OF ANHEDRAL GROUNDMASS SURROUNDING PLAGIOCLASE LATHS **Minor Mineralization:** **400.90 - 402.50: Pyrite, Disseminated, 4%** DISSEMINATED AND FRACTURE CONTROLLED PYRITE **402.50 - 421.50: Pyrite, Disseminated, 1%** **Minor Texture:** **400.90 - 421.50: Medium Grained - Coarse Grained** EUHEDRAL PLAGIOCLASE LATHS AND AMPHIBOLE/PYROXENE **400.90 - 421.50: Mesocumulate** PLAGIOCLASE CUMULATE											
421.50	446.10	**IGLS, Lower Series Gabbro**												

From	To	Lithology

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
J591300	421.50	422.50	1.00	194.000	124.000	63.000	0.019	0.006	0.001	0.500	
J591300	421.50	422.50	1.00	194.000	124.000	63.000	0.019	0.006	0.001	0.500	
J591301	422.50	423.50	1.00	225.000	161.000	67.000	0.029	0.018	0.005	0.500	
J591301	422.50	423.50	1.00	225.000	161.000	67.000	0.029	0.018	0.005	0.500	
J591302	423.50	424.50	1.00	235.000	142.000	68.000	0.017	0.009	0.002	0.500	
J591302	423.50	424.50	1.00	235.000	142.000	68.000	0.017	0.009	0.002	0.500	
J591303	424.50	425.50	1.00	244.000	148.000	72.000	0.018	0.007	0.002	0.500	
J591303	424.50	425.50	1.00	244.000	148.000	72.000	0.018	0.007	0.002	0.500	
J591304	425.50	426.50	1.00	259.000	140.000	73.000	0.025	0.010	0.002	0.500	
J591304	425.50	426.50	1.00	259.000	140.000	73.000	0.025	0.010	0.002	0.500	
J591305	426.50	427.50	1.00	273.000	149.000	72.000	0.024	0.013	0.002	0.500	
J591305	426.50	427.50	1.00	273.000	149.000	72.000	0.024	0.013	0.002	0.500	
J591306	427.50	428.50	1.00	273.000	142.000	69.000	0.014	0.004	0.001	0.500	
J591306	427.50	428.50	1.00	273.000	142.000	69.000	0.014	0.004	0.001	0.500	
J591307	428.50	429.50	1.00	274.000	121.000	70.000	0.021	0.008	0.001	0.500	
J591307	428.50	429.50	1.00	274.000	121.000	70.000	0.021	0.008	0.001	0.500	
J591308	429.50	430.50	1.00	286.000	163.000	70.000	0.050	0.029	0.005	0.500	
J591308	429.50	430.50	1.00	286.000	163.000	70.000	0.050	0.029	0.005	0.500	
J591310	430.50	431.50	1.00	289.000	216.000	71.000	0.032	0.020	0.004	0.500	
J591310	430.50	431.50	1.00	289.000	216.000	71.000	0.032	0.020	0.004	0.500	
J591311	431.50	432.50	1.00	250.000	230.000	69.000	0.024	0.012	0.001	0.500	
J591311	431.50	432.50	1.00	250.000	230.000	69.000	0.024	0.012	0.001	0.500	
J591312	432.50	433.20	0.70	219.000	181.000	66.000	0.036	0.022	0.002	0.500	
J591312	432.50	433.20	0.70	219.000	181.000	66.000	0.036	0.022	0.002	0.500	
J591313	433.20	434.00	0.80	371.000	223.000	73.000	0.084	0.057	0.006	0.500	
J591313	433.20	434.00	0.80	371.000	223.000	73.000	0.084	0.057	0.006	0.500	
J591314	434.00	434.70	0.70	331.000	695.000	70.000	0.083	0.056	0.011	0.500	
J591314	434.00	434.70	0.70	331.000	695.000	70.000	0.083	0.056	0.011	0.500	
J591315	434.70	435.50	0.80	250.000	166.000	69.000	0.044	0.021	0.001	0.500	
J591315	434.70	435.50	0.80	250.000	166.000	69.000	0.044	0.021	0.001	0.500	
J591316	435.50	436.50	1.00	410.000	1,310.000	90.000	0.178	0.127	0.014	0.500	
J591316	435.50	436.50	1.00	410.000	1,310.000	90.000	0.178	0.127	0.014	0.500	
J591317	436.50	437.50	1.00	231.000	377.000	73.000	0.026	0.013	0.003	0.500	
J591317	436.50	437.50	1.00	231.000	377.000	73.000	0.026	0.013	0.003	0.500	
J591318	437.50	438.50	1.00	221.000	355.000	72.000	0.042	0.029	0.004	0.500	
J591319	437.50	438.50	1.00	212.000	336.000	67.000	0.045	0.033	0.004	0.500	
J591318	437.50	438.50	1.00	221.000	355.000	72.000	0.042	0.029	0.004	0.500	
J591319	437.50	438.50	1.00	212.000	336.000	67.000	0.045	0.033	0.004	0.500	
J591320	438.50	439.50	1.00	187.000	222.000	65.000	0.030	0.020	0.002	0.500	
J591320	438.50	439.50	1.00	187.000	222.000	65.000	0.030	0.020	0.002	0.500	
J591321	439.50	440.50	1.00	186.000	167.000	63.000	0.027	0.014	0.002	0.500	
J591321	439.50	440.50	1.00	186.000	167.000	63.000	0.027	0.014	0.002	0.500	
J591322	440.50	441.50	1.00	199.000	212.000	62.000	0.049	0.029	0.017	0.500	
J591322	440.50	441.50	1.00	199.000	212.000	62.000	0.049	0.029	0.017	0.500	
J591323	441.50	442.50	1.00	219.000	380.000	64.000	0.063	0.025	0.009	0.500	
J591323	441.50	442.50	1.00	219.000	380.000	64.000	0.063	0.025	0.009	0.500	

From	To	Lithology

MINOR INTERVALS:
421.50 - 446.10 : IGB Gabbro
RAPID BUT DIFFUSE CONTACT WITH OVERLYING COARSE GRAINED UPPER SERIES GABBRO MARKED BY DECREASE IN GRAINSIZE AND FELDSPAR CONTENT. FINE TO MEDIUM GRAINED GREY GABBRO WITH WEAK HEMATITE ALTERATION FROM 431.5m STAINING FELDSPAR. 2-3% SULFIDE THROUGHOUT ENTIRE INTERVAL BUT MOSTLY PY-PO. 2% COARSE BLEBBY CPY-PO FROM 434-434.6m. SHARP INTERNAL CONTACT AT 433.2m SEPARATES MEDIUM GRAINED HEMATIZED GABBRO FROM UNDERLYING FINE GRAINED MELAGABBRO UNIT WHICH APPEARS TO BE MODERATELY URALITIZED. THIS UNIT THEN COARSENS, WITH HEMATIZED FELDSPAR BECOMING MORE ABUNDANT, DOWNHOLE. UNALTERED "DYKE" OF SIMILAR GABBRO CUTS HEMATIZED GABBRO AT 445.2-445.6m. NO CHILLED MARGINS ON DYKE. AT CONTACT THE GABBRO AND FOOTWALL GRANODIORITE ARE STRONGLY HEMATIZED. 2% COARSER BLEBBY/BLOCKY PYRRHOTITE MINERALIZATION AT CONTACT.

Minor Alteration:

431.80 - 433.20: Hematite, Pervasive, Moderate

RED STAINING OF FELDSPAR

433.20 - 436.00: Hornblende, Pervasive, Moderate

URALITIZATION OF PYROXENE THROUGH THIS INTERVAL

434.70 - 446.10: Hematite, Pervasive, Moderate

RED STAINING OF FELDSPAR

Minor Mineralization:

421.50 - 434.00: Pyrrhotite/Pyrite, Disseminated, 2-3%

FINELY DISSEMINATED SULFIDE THROUGHOUT INTERVAL. AGGREGATES OF FINE SULFIDE FOR

434.00 - 434.60: Pyrrhotite/Chalcopyrite, Blebby, 2%

COARSE GRAINED BLEBS OF FRACTIONATED SULFIDE THROUGH THIS INTERVAL

434.60 - 446.10: Pyrrhotite/Pyrite, Disseminated, 2-3%

FINELY DISSEMINATED SULFIDE WITH COARE BLOCKS/BLEBS AT BASAL CONTACT

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
J591324	442.50	443.50	1.00	175.000	375.000	64.000	0.040	0.022	0.006	0.500	
J591324	442.50	443.50	1.00	175.000	375.000	64.000	0.040	0.022	0.006	0.500	
J591325	443.50	444.50	1.00	142.000	263.000	64.000	0.024	0.026	0.004	0.500	
J591325	443.50	444.50	1.00	142.000	263.000	64.000	0.024	0.026	0.004	0.500	
J591326	444.50	445.20	0.70	242.000	431.000	62.000	0.055	0.049	0.004	0.500	
J591326	444.50	445.20	0.70	242.000	431.000	62.000	0.055	0.049	0.004	0.500	
J591327	445.20	445.50	0.30	372.000	191.000	73.000	0.098	0.057	0.012	0.500	
J591327	445.20	445.50	0.30	372.000	191.000	73.000	0.098	0.057	0.012	0.500	
J591328	445.50	446.10	0.60	216.000	263.000	57.000	0.058	0.030	0.001	0.500	
J591328	445.50	446.10	0.60	216.000	263.000	57.000	0.058	0.030	0.001	0.500	

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Minor Structure: **433.20 - 433.20: Contact** INTERNAL CONTACT **445.20 - 445.20: Contact** INTERNAL CONTACT OR DYKE? **446.10 - 446.10: Contact** IRREGULAR, BASAL CONTACT **Minor Texture:** **421.50 - 431.50: Fine Grained** **431.50 - 433.20: Medium Grained - Coarse Grained** **433.20 - 433.20: Oikocrysts** FELDSPAR OIKOCRYSTS THROUGHOUT **433.20 - 433.40: Xenolithic** FRAGMENTS OF OVERLYING MEDIUM GRAINED GABBRO **433.20 - 446.10: Fine Grained - Medium Grained** GRADUALLY COARSENS AWAY FROM INTERNAL CONTACT. NO CHILLED MARGIN AT CONTACT **438.20 - 438.20: Coarse Grained** COARSE GRAINED HEMATITIZED VEINS												
446.10	460.20	**IGRD, Granodiorite** DARK RED TO PINK GRANODIORITE. CONTACT ALTERATION EVIDENT BY DEEP RED COLOUR OF GRANODIORITE WHICH GRADUALLY WEAKENS AWAY FROM THE INTRUSION. FRACTURED BROKEN CORE FROM 447.5-460.2m. STRONG FOLIATION EVIDENT AWAY FROM CONTACT ALTERATION. CHLORITE FOUND ALONG FRACTURE SURFACES. FELDSPAR PORPHYRITIC. SHARP CONTACT WITH UNDERLYING METASEDIMENTS. **Alteration:** **446.10 - 447.50: Hematite, Pervasive, Strong** **446.10 - 460.20: Chlorite, Fracture Filling, Moderate** **447.50 - 460.20: Hematite, Pervasive, Moderate** MODERATE TO WEAK DOWNHOLE **Structure:** **446.10 - 460.20: Foliation** **Texture:** **446.10 - 460.20: Coarse Grained** **447.50 - 460.20: Broken Core** **450.80 - 460.20: Porphyritic** FELDSPAR PHYRIC **451.30 - 451.40: Brecciated**	J591330	446.10	447.00	0.90	3.000	4.000	2.000	0.005	0.001	0.001	0.500	
			J591331	447.00	448.00	1.00	1.000	2.000	1.000	0.005	0.001	0.001	0.500	
			J591332	448.00	449.00	1.00	3.000	3.000	1.000	0.005	0.001	0.001	0.500	
			J591333	449.00	450.00	1.00	2.000	2.000	1.000	0.005	0.001	0.001	0.500	
460.20	469.30	**MQZT, Mafic metasediment**												

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		QUETICO METASEDIMENTS. MODERATE HEMATITE ALTERATION THROUGHOUT, PREFERENTIALLY ALTERING ALONG FRACUTURES AND LEUCOCRATIC BANDS. **Alteration:** **460.20 - 469.30: Hematite, Fracture Filling, Moderate** ALTERATION FOLLOWS FRACTURES OR LEUCOCRATIC BANDS. ALTERATION IS WEAKLY PERVASSIVE AS WELL **Mineralization:** **460.20 - 469.30: Pyrite, Fracture Filling, 1%** **Structure:** **460.20 - 469.30: Banded** **Texture:** **460.20 - 469.30: Fractured** WEAKLY FRACTURED **460.20 - 469.30: Medium Grained** **460.20 - 469.30: Banded**											
469.30	472.00	**IGRD, Granodiorite** AS ABOVE, FOLIATED, FELDSPAR PHYRIC GRANODIORITE. MODERATELY HEMATIZED. **Alteration:** **469.30 - 472.00: Hematite, Pervasive, Moderate** **Structure:** **469.30 - 472.00: Foliation** **Texture:** **469.30 - 472.00: Porphyritic** FELDSPAR PHYRIC **469.30 - 472.00: Coarse Grained** **469.30 - 472.00: Foliated**											
472.00	497.00	**MQZT, Mafic metasediment** QUETICO METASEDIMENTS. STRONGLY BANDED QUETICO SEDIMENTS. MINOR, VERY WEAK HEMATITE ALTERATION IS ABSENT BY 480m. **Alteration:** **472.00 - 480.00: Hematite, Pervasive, Weak** **Structure:** **472.00 - 497.00: Banded** **Texture:** **472.00 - 497.00: Medium Grained** **472.00 - 497.00: Banded**											

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	295.00	-78.00	REFLEX	O	
32.00	290.80	-77.40	REFLEX	O	
62.00	286.70	-76.50	REFLEX	O	
92.00	288.40	-75.80	REFLEX	O	
152.00	290.00	-74.30	REFLEX	O	
182.00	280.40	-73.50	REFLEX	O	
212.00	276.90	-72.40	REFLEX	O	
242.00	279.30	-71.10	REFLEX	O	
272.00	284.00	-69.90	REFLEX	O	
302.00	273.00	-69.20	REFLEX	O	
362.00	282.70	-67.10	REFLEX	O	
422.00	280.00	-65.90	REFLEX	O	
482.00	280.00	-65.90	REFLEX	O	

Detailed Log Report
Hole Number SL-14-008

Project		Coordinates		Collar			
Project Name:	SUNDAY LAKE	**Primary Coordinates Grid:**	**UTM83-16**	**Collar Dip:**	-85.00	**Collar Az:**	290.00
Project Code:	23	**North:**	5,395,189.00	**Length:**	714.00		
Location:		**East:**	334,714.00	**Hole Size:**	NQ		
Start Date:	Dec 11, 2014	**Elev:**	484.00	**Hole Type:**	DD		
Completed Date:	Jan 19, 2015	**Destination Coordinates Grid:**	**LL83**	**Casing:**	Left in Hole		
Contractor:	Orbit Garant	**North:**	48.69	**Collar Survey:**	N	**Plugged:**	N
Core Storage:	TMC Core Shack	**East:**	-89.25	**Multishot Survey:**	N	**Pulse EM Survey:**	N
Units:	METRIC	**Elev:**	484.00				

Comments: DRILL HOLE TO TEST CONTINUITY OF MINERALIZATION AND GEOLOGY BETWEEN SL-13-006 & SL-14-006. HOLE WILL CROSS OVER NW TRENDING GRAVITY/MAGNETIC LINEAMENT.

Detailed Lithology

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
0.00	6.00	**CAS, CASING AND OVERBURDEN**												
6.00	66.60	**MQZT, Mafic metasediment** QUEITCO METASEDIMENTS. INTERVAL IS MODERATELY TO STRONGLY FRACTURED, WITH NARROW BRECCIA ZONES AS INDICATED IN TEXTURE LOG. HEMATITE ALTERATION IS PRESENT THROUGHOUT INTERVAL, CONCENTRATED ALONG FRACTURED/BRECCIATED ZONES. **Alteration:** **6.00 - 66.60: Sericite, Fracture Filling, Weak** BLEACHED HALOS AROUND NARROW FRACTURES **6.00 - 66.60: Epidote, Fracture Filling, Weak** **9.00 - 10.50: Hematite, Pervasive, Strong** **18.00 - 19.50: Chlorite, Veins, Moderate** QUARTZ PEGMATITE VEIN WITH CHLORITE ALONG MARGINS **20.50 - 38.20: Hematite, Fracture Filling, Strong** HEMATITE STAINING PERMEATES FROM FRACTURES AND BRECCIA ZONES. **38.20 - 40.00: Hematite, Pervasive, Strong** BRECCIA ZONE **40.00 - 51.60: Hematite, Fracture Filling, Weak** **51.60 - 52.30: Hematite, Pervasive, Strong** **52.30 - 58.10: Hematite, Fracture Filling, Moderate** **58.10 - 58.60: Hematite, Fracture Filling, Strong** **58.60 - 66.60: Hematite, Fracture Filling, Strong** **58.60 - 66.60: Hematite, Pervasive, Weak**											

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
Mineralization: **6.00 - 66.60: Pyrite, Fracture Filling, 1-2%** **Structure:** **6.00 - 66.60: Banded** **Texture:** **6.00 - 66.60: Medium Grained** **6.00 - 66.60: Banded** **8.50 - 10.00: Broken Core** **32.80 - 34.50: Broken Core** **38.20 - 40.00: Brecciated** STRONGLY HEMATIZED BRECCIA ZONE. BROKEN CORE **38.20 - 41.70: Broken Core** **51.60 - 52.30: Brecciated** **56.00 - 56.90: Broken Core** **58.10 - 58.40: Brecciated** STRONGLY HEMATIZED BRECCIA ZONE														
66.60	67.40	**IMD, Mafic dykes** ARCHEAN MAFIC DYKE. CHLORITIC, STRONGLY FOLIATED WITH BANDS OF QUARTZ/FELDSPAR. BANDS SHOW DEXTRAL DISPLACEMENT ALONG NARROW FRACTURES. **Alteration:** **66.60 - 67.40: Hematite, Pervasive, Moderate** **66.60 - 67.40: Chlorite, Pervasive, Strong** **Structure:** **66.60 - 67.40: Foliation** **Texture:** **66.60 - 67.40: Fine Grained** **66.60 - 67.40: Foliated**													
67.40	326.40	**MQZT, Mafic metasediment** QUETICO METASEDIMENTS. FROM 67.4-153.8m CORE IS DEEP RED/MAROON COLOUR DUE TO PERVASSIVE HEMATITE ALTERATION. STRONG ALTERATION IS FOCUSED ALONG FRACTURES AND WITHIN NARROW BRECCIA ZONES. FRACTURES SHOW SMALL AMOUNTS OF DEXTRAL DISPLACEMENT ON BEDS/BANDS. FROM 153.8-208.3m PERVASSIVE HEMATITE ALTERATION IS NEARLY ABSENT, BEING CONFINED TO FRACTURED/BRECCIATED INTERVALS AS INDICATED IN ALTERATION LOG. CORE FROM 153.8m-160.5m HAS ABUNDANT FRACTURES WITH BLEACHED HALOS (SERICITE?). FROM 208.3-293.2m FRACTURING, BRECCIATION AND HEMATITE ALTERATION BECOME STRONGER. CHLORITE ALTERATION IN FRACTURES ALSO MORE PROMINENT. FROM 293.2-326.4m FRACTURING, ALTERATION AND BRECCIATION IS LESS PROMINENT. FROM 310.5m GNEISSIC TEXTURE IS LOST, APPEARING MORE BEDDED.													

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct

Alteration:

67.40 - 91.50: Hematite, Pervasive, Weak

67.40 - 92.20: Sericite, Fracture Filling, Weak

BLEACHED HALOS AROUND NARROW FRACTURES.

67.40 - 153.80: Chlorite, Fracture Filling, Moderate

91.50 - 92.20: Hematite, Pervasive, Strong

BRECCIA ZONE

92.20 - 153.80: Hematite, Fracture Filling, Strong

92.20 - 153.80: Hematite, Pervasive, Moderate

136.50 - 136.80: Carbonate, Fracture Filling, Moderate

PART OF MATRIX IN BRECCIA ZONE

153.80 - 160.50: Hematite, Fracture Filling, Weak

153.80 - 208.30: Sericite, Fracture Filling, Weak

160.50 - 160.90: Chlorite, Fracture Filling, Moderate

160.50 - 160.90: Hematite, Fracture Filling, Strong

160.90 - 175.50: Hematite, Fracture Filling, Weak

175.90 - 185.20: Hematite, Fracture Filling, Weak

185.20 - 185.80: Hematite, Fracture Filling, Strong

185.80 - 189.40: Hematite, Fracture Filling, Weak

189.40 - 193.50: Hematite, Fracture Filling, Moderate

191.00 - 192.80: Sericite, Fracture Filling, Strong

GREEN/GREY ALTERATION IN BRECCIA ZONE

193.50 - 207.80: Hematite, Fracture Filling, Weak

207.80 - 208.30: Hematite, Pervasive, Strong

208.30 - 245.20: Hematite, Pervasive, Moderate

208.30 - 293.20: Hematite, Fracture Filling, Strong

210.00 - 326.40: Chlorite, Fracture Filling, Moderate

CHLORITE FOUND IN CORES OF HEMATITIC FRACTURES AND AS MATRIX WITHIN BRECCIA ZONES

240.00 - 326.40: Sericite, Fracture Filling, Weak

NARROW FRACTURES WITH BLEACHED HALOS. SOMETIMES ASSOCIATED WITH CHLORITE

254.30 - 260.40: Epidote, Fracture Filling, Moderate

259.00 - 300.60: Hematite, Pervasive, Moderate

293.20 - 300.60: Hematite, Fracture Filling, Moderate

300.60 - 308.00: Hematite, Pervasive, Strong

300.60 - 308.00: Hematite, Fracture Filling, Strong

308.00 - 323.10: Hematite, Pervasive, Weak

308.00 - 323.10: Hematite, Fracture Filling, Moderate

323.10 - 326.40: Hematite, Pervasive, Moderate

Mineralization:

67.40 - 326.40: Pyrite, Fracture Filling, 1-2%

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
Structure:														
67.40 - 67.40: Banded														
300.00 - 300.00: Banded														
Texture:														
67.40 - 310.50: Banded														
67.40 - 326.40: Medium Grained														
91.50 - 92.20: Brecciated														
98.60 - 99.00: Broken Core														
102.80 - 103.10: Brecciated														
109.40 - 109.60: Broken Core														
110.70 - 111.00: Broken Core														
110.70 - 185.80: Fractured														
FRACTURED, BRECCIATED AND BROKEN CORE IN THIS INTERVAL. FRACTURES SHOW SMALL AMOUNTS OF DEXTRAL DISPLACEMENT														
119.30 - 122.30: Broken Core														
119.30 - 123.20: Brecciated														
130.20 - 130.70: Brecciated														
BRECCIA CLASTS SHOW CORONA TEXTURES WITH UNALTERED CORES														
136.50 - 136.80: Brecciated														
147.00 - 153.80: Brecciated														
189.40 - 192.80: Brecciated														
213.00 - 213.50: Brecciated														
213.00 - 293.20: Fractured														
ENTIRE INTERVAL RIDDLED WITH HEMATITIC FRACTURES ALONG WITH NARROWER BLEACHED FRACTURES														
224.40 - 227.80: Brecciated														
224.40 - 227.80: Broken Core														
245.20 - 245.70: Brecciated														
264.10 - 264.50: Broken Core														
285.30 - 285.80: Brecciated														
300.60 - 303.00: Brecciated														
STRONGLY FRACTURED TO BRECCIATED														
310.50 - 326.40: Bedded														
323.10 - 323.70: Broken Core														
323.10 - 326.40: Fractured														
326.40	328.00	**IMD, Mafic dykes**												
ARCHEAN MAFIC DYKE. GREEN, STRONGLY FOLIATED AND COMPRISED OF CHLORITE, AMPHIBOLE AND K-FELDSPAR. FROM 327.5 327.8m STRONG CHLORITE VEINS IN BRECCIA ZONE.														
Alteration:														
326.40 - 328.00: Chlorite, Pervasive, Moderate														

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Structure: **326.40 - 326.40: Contact** CONTACT IS SLIGHTLY OBLIQUE TO GNEISSIC BANDING IN SEDIMENTS **326.40 - 328.00: Foliation** **328.00 - 328.00: Contact** CONTACT IS SLIGHTLY OBLIQUE TO GNEISSIC BANDING IN SEDIMENTS **Texture:** **326.40 - 328.00: Medium Grained** **326.40 - 328.00: Schistose** **327.50 - 327.80: Brecciated**											
328.00	347.90	**MQZT, Mafic metasediment** QUETICO METASEDIMENTS. GENERALLY MASSIVE TO BEDDED WITH BANDED PEGMATITE VEIN FROM 335.8-337m. WEAKER ALTERATION UNTIL 335.8m AFTER WHICH PERVASSIVE AND FRACTURE CONTROLLED HEMATITE ALTERATION IS STRONG. FRACTURES SHOW A CORE OF PYRITE, FOLLOWED BY CHLORITE WITH HEMATITE RADIATING AWAY FROM FRACTURE INTO COMPETENT ROCK. **Alteration:** **328.00 - 335.80: Hematite, Fracture Filling, Moderate** **328.00 - 335.80: Hematite, Pervasive, Weak** **328.00 - 347.80: Sericite, Fracture Filling, Weak** **335.80 - 347.90: Chlorite, Fracture Filling, Moderate** STRONGER CHLORITE COMPONENT TO FRACTURES/BRECCIA ZONES **335.80 - 347.90: Hematite, Fracture Filling, Strong** **335.80 - 347.90: Hematite, Pervasive, Moderate** **Mineralization:** **335.80 - 347.90: Pyrite, Fracture Filling, 2-4%** PYRITE NOW FOUND WITHIN CHLORITE/HEMATITE FRACUTRES **Structure:** **328.00 - 347.90: Banded** **Texture:** **328.00 - 347.90: Medium Grained** **328.00 - 347.90: Bedded** **336.70 - 347.90: Fractured** STRONGLY FRACTURED TO BRECCIATED **340.10 - 340.80: Brecciated** **340.10 - 341.60: Broken Core**											
347.90	348.20	**IMD, Mafic dykes** NARROW ARCHEAN MAFIC DYKE. STRONGLY FOLIATED AND COMPRISED OF CHLORITE, AMPHIBOLE AND K-FELDSPAR.											

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Alteration: **347.90 - 348.20: Chlorite, Pervasive, Strong** **Mineralization:** **347.90 - 348.20: Pyrite, Fracture Filling, 1-2%** **Structure:** **347.90 - 347.90: Contact** **347.90 - 348.20: Foliation** **348.20 - 348.20: Contact** **Texture:** **347.90 - 348.20: Medium Grained** **347.90 - 348.20: Foliated**												
348.20	378.40	**MQZT, Mafic metasediment** QUETICO METASEDIMENTS. BEDDED TO 369m THEN WEAK GNEISSIC BANDING OBSERVED. MAROON COLOUR DUE TO STRONG PERVASSIVE AND FRACTURE CONTROLLED HEMATITE ALTERATION. FROM 358.1m FRACTURES SHOW A BLEACHED CORONA WITH HEMATITE STAINING PUSHED FURTHER FROM CORE OF FRACTURE (SERICITE OR POTASSIC ALTERATION?). PORPHYROBLASTIC KYANITE? FROM 367.2-369.2m. **Alteration:** **348.20 - 378.40: Chlorite, Fracture Filling, Moderate** **348.20 - 378.40: Hematite, Fracture Filling, Strong** **348.20 - 378.40: Hematite, Pervasive, Moderate** **Mineralization:** **348.20 - 378.40: Pyrite, Fracture Filling, 1-2%** **Structure:** **356.00 - 356.00: Banded** **Texture:** **348.20 - 352.50: Fractured** STRONGLY FRACTURED **348.20 - 369.00: Bedded** **348.20 - 378.40: Medium Grained** **367.20 - 369.20: Porphyroblastic** COARSE GRAINED, BLUE/GREY KYANITE CRYSTALS **369.00 - 378.40: Banded**												
378.40	379.30	**IMD, Mafic dykes** ARCHEAN MAFIC DYKE. GREY-GREEN COLOUR. BRECCIATED LOWER CONTACT. AMPHIBOLE, CHLORITE WITH MINOR FELDSPAR. PYRITE ALONG FRACTURE SURFACES. **Alteration:** **378.40 - 379.30: Chlorite, Pervasive, Strong** **378.40 - 379.30: Epidote, Pervasive, Moderate**												

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Mineralization: **378.40 - 379.30: Pyrite, Fracture Filling, 2%** **Structure:** **378.40 - 378.40: Contact** **379.30 - 379.30: Cleavage** **Texture:** **378.40 - 379.30: Medium Grained** **379.10 - 379.30: Brecciated**												
379.30	393.90	**MQZT, Mafic metasediment** QUETICO METASEDIMENTS. DEEP RED COULOUR WITH ABUNDANT FRACTURES, FOCUSSING HEMATITE AND CHLORITE ALTERATION. FORM 384m ABUNDANT FRACTURES, ALL ROUGHLY PERPENDICULAR TO CORE AXIS ARE OBSERVED. THESE FRACTURES SHOW STRONG HEMATITE, CHLORITE AND CARBONATE ALTERATION AND OFTEN HAVE OPEN SPACES. LOWER CONTACT WITH GABBRO BRECCIA IS GRADATIONAL OVER 20cm AS SEDIMENTS APPEAR TO BECOME DIGESTED BY UNDERLYING GABBRO. **Alteration:** **379.30 - 393.90: Hematite, Pervasive, Moderate** **379.30 - 393.90: Chlorite, Fracture Filling, Moderate** **379.30 - 393.90: Hematite, Fracture Filling, Strong** **384.00 - 393.90: Carbonate, Fracture Filling, Moderate** **Mineralization:** **379.30 - 393.90: Pyrite, Fracture Filling, 2-4%** **Structure:** **387.00 - 387.00: Banded** **Texture:** **379.30 - 393.90: Fractured** **379.30 - 393.90: Medium Grained** **379.30 - 393.90: Banded**												
393.90	402.00	**IGBX, Gabbro Breccia** DEEP RED GABBROIC BRECCIA. DIFFUSE CONTACT WITH OVERLYING BRECCIATED QUETICO METASEDIMENTS. FROM 393.9-394.8m QUARTZ AND METASEDIMENTARY XENOLITHS COMRPISE 40% OF THE UNIT, WITH A DEEP RED FINE GRAINED GABBROIC MATRIX. FROM 394.8-402m THE GROUNDMASS IS COMPRISED OF MEDIUM GRAINED EUHEDRAL PLAGIOCLASE WHICH HAS BEEN STRONGLY HEMATIZED OR SERICITIZED AS IS OBSERVED IN UPPER SERIES GABBRO. XENOLITHS ARE LESS ABUNDANT, OCCURING AT DISCREET HORIZONS AS INDICATED IN TEXTURE LOG. LOWER CONTACT MARKED AT LAST OCCURENCE OF XENOLITHS. 1-2% DISSEMINATED PY THROUGHOUT. **Alteration:** **393.90 - 402.00: Hematite, Pervasive, Strong** **394.90 - 402.00: Sericite, Pervasive, Moderate** ALTERS PLAGIOCLASE TO GREEN COLOUR												

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
Mineralization:														
393.90 - 402.00: Pyrite, Disseminated, 1-2%														
Texture:														
393.90 - 394.80: Xenolithic														
QUARTZ AND SEDIMENT XENOLITHS COMPRISE UP TO 40% THROUGH THIS INTERVAL.														
393.90 - 394.90: Fine Grained Matrix														
394.80 - 396.80: Massive														
394.90 - 402.00: Medium Grained Matrix														
MATRIX TO XENOLITHS IS COMPRISED OF PLAGIOCLASE CUMULATE LEUCOGABBRO/MONZOGABBRO														
396.80 - 396.90: Xenolithic														
QUARTZ AND PARTLY DIGESTED SEDIMENTS														
396.90 - 397.50: Massive														
397.50 - 399.60: Varitextured														
397.50 - 399.60: Xenolithic														
QUARTZ AND SEDIMENT XENOLITHS														
399.60 - 400.60: Mesocumulate														
CUMULATE PLAGIOCLASE AS IN UPPER SERIES GABBRO														
400.60 - 402.00: Xenolithic														
QUARTZ, CARBONATE AND SEDIMENT XENOLITHS														
400.60 - 402.00: Varitextured														
402.00	600.00	**IGUS, Upper Series Gabbro**												
			J591334	597.00	598.50	1.50	104.000	163.000	40.000	0.117	0.011	0.016	0.500	
			J591335	598.50	600.00	1.50	142.000	131.000	46.000	0.254	0.094	0.013	0.500	
			J591334	597.00	598.50	1.50	104.000	163.000	40.000	0.117	0.011	0.016	0.500	
			J591335	598.50	600.00	1.50	142.000	131.000	46.000	0.254	0.094	0.013	0.500	

From	To	Lithology

MINOR INTERVALS:

402.00 - 526.00 : ILGB Leucogabbro

DEEP RED MONZOGABBRO/LEUCOGABBRO. MEDIUM TO COARSE GRAINED PRISMATIC AND ACICULAR AMPHIBOLE ALONG WITH EUHEDRAL LATHS OF SERICITZED PLAGIOCLASE COMPRISE THE CUMULATE MINERALOGY. INTERCUMULUS GROUNDMASS IS STRONGLY HEMATIZED, FINE GRAINED AND ANHEDRAL. RED PODS/PATCHES OF ANHEDRAL HEMATIZED GROUND MASS FOUND THROUGHOUT UNIT, GIVING IT A SPOTTED APPEARANCE. AMPHIBOLE SHOWS GLOMERPORPHYRITIC TEXTURE FROM 416.7m-424.2m. FROM 418.5m-465m SUBANGULAR CARBONATE/CLORITE XENOLITHS APPEAR BECOMING MORE ABUNDANT DOWHOLE AND FORM UP TO 15% OF THE MODAL MINERALOGY FROM 447.1-497m. IN THIS ZONE THE CORE IS EXTREMELY VUGGY AND POROUS, AS CHLORITE AND CARBONATE RICH XENOLITHS ARE OBSERVED TO BE PARTIALLY OR COMPLETELY DISSOLVED. VUGS ALSO SHOW SELF TERMINATING QUARTZ CRYSTALS (OPEN SPACE FILLING). FROM 497-504m UNIT IS MEDIUM GRAINED WITH ABUNDANT VUGS BUT XENOLITHS ARE NEARLY ABSENT. BY 513m VUGS ARE NEARLY ABSENT, HEMATITE ALTERATION WEAKENS AND WEAK EPIDOTE ALTERATION IS OBSERVED. PLAGIOCLASE CHANGES FROM RED TO A WHITE/GREEN COLOUR (SERICITE). FROM 523.9-525m A SHARP CHANGE BACK TO DEEP RED, MEDIUM GRAINED, VUGGY MONZOGABBRO APPEARS TO BE A DYKE. ENTIRE UNIT IS STRONGLY MAGNETIC WITH 1-2% DISSEMINATED PYRITE THROUGHOUT.

526.00 - 600.00 : IGB Gabbro

GREY-GREEN-RED GABBRO/OXIDE GABBRO. UNIT IS MARKED BY THE CHANGE IN ALTERATION ON PLAGIOCLASE, FROM DEEP RED HEMATITE TO DOMINANTLY GREEN SERICITIC ALTERATION. NARROW HEMATITE ALTERATION HALOS SURROUND PLAGIOCLASE. MORE MAFIC THAN OVERLYING MONZOGABBRO. HERE THERE IS APPROXIMATELY 30-40% AMPHIBOLE/PYROXENE WITH 60-70% PLAGIOCLASE AND 5% MAGNETITE. COARSE GRAINED THROUGHOUT BUT FINES SLIGHTLY AS LOWER CONTACT IS APPROACHED. NARROW 5-10cm WIDE RED, HEMATITE RICH VEINS/PODS CUT UNIT THROUGHOUT. WEAK IGNEOUS FOLIATION FROM 570-588m. 1-3% DISSEMINATED PY-PO MINERALIZATION THROUGHOUT.

Minor Alteration:

402.00 - 513.00: Hematite, Pervasive, Strong

447.10 - 526.00: Carbonate, Pervasive, Moderate

447.10 - 526.00: Chlorite, Patchy, Moderate

513.00 - 523.90: Hematite, Pervasive, Moderate

513.00 - 523.90: Epidote, Spots, Moderate

513.00 - 523.90: Sericite, Pervasive, Weak

523.90 - 525.00: Hematite, Pervasive, Strong

525.00 - 526.00: Sericite, Pervasive, Moderate

525.00 - 526.00: Hematite, Pervasive, Weak

525.00 - 526.00: Epidote, Spots, Moderate

526.00 - 576.00: Hematite, Pervasive, Moderate

526.00 - 580.00: Sericite, Pervasive, Moderate

526.00 - 600.00: Epidote, Spots, Moderate

576.00 - 600.00: Hematite, Pervasive, Weak

580.00 - 583.40: Sericite, Pervasive, Strong

BRIGHT GREEN ALTERATION ON PLAGIOCLASE

583.40 - 600.00: Sericite, Pervasive, Moderate

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Minor Mineralization: **402.00 - 526.00: Pyrite, Disseminated, 1-2%** EUHEDRAL PYRITE **Minor Structure:** **514.00 - 526.00: Foliation** WEAK IGNEOUS FOLIATION **570.00 - 600.00: Foliation** IGNEOUS FOLIATION **Minor Texture:** **402.00 - 497.00: Coarse Grained Matrix** **402.00 - 526.00: Mesocumulate** CUMULATE PLAGIOCLASE AND AMPHIBOLE **416.70 - 424.20: Glomerophyric** AMPHIBOLE AGGREGATES GIVE CORE A SPOTTED APPEARANCE **447.10 - 497.00: Xenolithic** CARBONATE AND CHLORITE XENOLITHS UP TO 5cm WIDE **497.00 - 504.00: Medium Grained** **503.50 - 523.90: Coarse Grained** **514.00 - 523.90: Foliated** IGNEOUS FOLIATION DEFINED BY AMPHIBOLE AND PLAGIOCLASE ORIENTATION **523.90 - 525.00: Massive** **525.00 - 526.00: Foliated** IGNEOUS FOLIATION DEFINED BY AMPHIBOLE AND PLAGIOCLASE ORIENTATION **526.00 - 600.00: Coarse Grained** **526.00 - 600.00: Mesocumulate** PLAGIOCLASE-PYROXENE/AMPHIBOLE CUMULATE **570.00 - 600.00: Foliated** IGNEOUS FOLIATION DEFINED BY PLAGIOCLASE ORIENTATION											
600.00	655.60	**IGLS, Lower Series Gabbro**												

From	To	Lithology

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
J591336	600.00	601.50	1.50	182.000	166.000	53.000	0.290	0.150	0.018	0.500	
J591336	600.00	601.50	1.50	182.000	166.000	53.000	0.290	0.150	0.018	0.500	
J591337	601.50	603.00	1.50	174.000	77.000	56.000	0.082	0.096	0.002	0.500	
J591337	601.50	603.00	1.50	174.000	77.000	56.000	0.082	0.096	0.002	0.500	
J591338	603.00	604.50	1.50	178.000	113.000	59.000	0.027	0.045	0.002	0.500	
J591338	603.00	604.50	1.50	178.000	113.000	59.000	0.027	0.045	0.002	0.500	
J591339	604.50	606.00	1.50	171.000	134.000	57.000	0.018	0.044	0.003	0.500	
J591339	604.50	606.00	1.50	171.000	134.000	57.000	0.018	0.044	0.003	0.500	
J591341	606.00	607.50	1.50	239.000	110.000	67.000	0.019	0.023	0.002	0.500	
J591342	607.50	609.00	1.50	290.000	99.000	78.000	0.015	0.008	0.001	0.500	
J591343	609.00	610.50	1.50	273.000	77.000	75.000	0.018	0.006	0.004	0.500	
J591344	610.50	612.00	1.50	279.000	109.000	75.000	0.018	0.013	0.002	0.500	
J591345	612.00	613.50	1.50	289.000	61.000	78.000	0.016	0.005	0.001	0.500	
J591346	613.50	615.00	1.50	299.000	53.000	83.000	0.028	0.009	0.002	0.500	
J591347	615.00	616.50	1.50	317.000	69.000	86.000	0.022	0.009	0.003	0.500	
J591348	616.50	618.00	1.50	404.000	78.000	91.000	0.034	0.012	0.002	0.500	
J591349	618.00	619.50	1.50	535.000	135.000	102.000	0.042	0.029	0.003	0.500	
J591351	619.50	621.00	1.50	570.000	100.000	107.000	0.035	0.017	0.002	0.500	
J591352	621.00	622.50	1.50	603.000	105.000	111.000	0.054	0.048	0.003	0.500	
J591353	622.50	624.00	1.50	607.000	166.000	111.000	0.053	0.038	0.007	0.500	
J591354	624.00	625.50	1.50	578.000	100.000	111.000	0.025	0.010	0.002	0.500	
J591355	625.50	627.00	1.50	546.000	126.000	105.000	0.045	0.029	0.004	0.500	
J591356	627.00	628.50	1.50	513.000	91.000	101.000	0.024	0.015	0.002	0.500	
J591357	628.50	630.00	1.50	485.000	99.000	93.000	0.036	0.026	0.002	0.500	
J591358	630.00	631.50	1.50	474.000	113.000	96.000	0.024	0.025	0.002	0.500	
J591359	631.50	633.00	1.50	438.000	90.000	93.000	0.021	0.014	0.001	0.500	
J591361	633.00	634.50	1.50	273.000	96.000	72.000	0.013	0.006	0.002	0.500	
J591362	634.50	636.00	1.50	232.000	110.000	70.000	0.014	0.006	0.005	0.500	
J591363	636.00	637.50	1.50	231.000	100.000	72.000	0.020	0.005	0.002	0.500	
J591364	637.50	639.00	1.50	208.000	86.000	69.000	0.029	0.005	0.002	0.500	
J591365	639.00	640.50	1.50	220.000	106.000	69.000	0.020	0.005	0.002	0.500	
J591366	640.50	642.00	1.50	219.000	95.000	62.000	0.022	0.022	0.003	0.500	
J591367	642.00	643.50	1.50	208.000	110.000	66.000	0.023	0.007	0.002	0.500	
J591368	643.50	645.00	1.50	204.000	132.000	67.000	0.027	0.011	0.004	0.500	
J591369	645.00	646.50	1.50	215.000	195.000	67.000	0.022	0.019	0.002	0.500	
J591370	645.00	646.50	1.50	218.000	216.000	68.000	0.026	0.031	0.003	0.500	
J591371	646.50	648.00	1.50	191.000	116.000	66.000	0.024	0.006	0.002	0.500	
J591372	648.00	649.00	1.00	195.000	125.000	64.000	0.019	0.003	0.002	0.500	
J591373	649.00	650.00	1.00	188.000	103.000	68.000	0.026	0.005	0.001	0.500	
J591374	650.00	651.00	1.00	207.000	81.000	67.000	0.014	0.005	0.023	0.500	
J591375	651.00	652.00	1.00	214.000	55.000	67.000	0.010	0.003	0.002	0.500	
J591376	652.00	653.00	1.00	224.000	84.000	69.000	0.013	0.006	0.001	0.500	
J591377	653.00	654.00	1.00	234.000	69.000	69.000	0.007	0.004	0.001	0.500	
J591378	654.00	655.00	1.00	268.000	206.000	73.000	0.018	0.075	0.020	0.500	
J591379	655.00	655.60	0.60	288.000	394.000	74.000	0.068	0.113	0.009	0.500	
J591342	607.50	609.00	1.50	290.000	99.000	78.000	0.015	0.008	0.001	0.500	

From	To	Lithology

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
J591343	609.00	610.50	1.50	273.000	77.000	75.000	0.018	0.006	0.004	0.500	
J591344	610.50	612.00	1.50	279.000	109.000	75.000	0.018	0.013	0.002	0.500	
J591345	612.00	613.50	1.50	289.000	61.000	78.000	0.016	0.005	0.001	0.500	
J591346	613.50	615.00	1.50	299.000	53.000	83.000	0.028	0.009	0.002	0.500	
J591347	615.00	616.50	1.50	317.000	69.000	86.000	0.022	0.009	0.003	0.500	
J591348	616.50	618.00	1.50	404.000	78.000	91.000	0.034	0.012	0.002	0.500	
J591349	618.00	619.50	1.50	535.000	135.000	102.000	0.042	0.029	0.003	0.500	
J591351	619.50	621.00	1.50	570.000	100.000	107.000	0.035	0.017	0.002	0.500	
J591352	621.00	622.50	1.50	603.000	105.000	111.000	0.054	0.048	0.003	0.500	
J591353	622.50	624.00	1.50	607.000	166.000	111.000	0.053	0.038	0.007	0.500	
J591354	624.00	625.50	1.50	578.000	100.000	111.000	0.025	0.010	0.002	0.500	
J591355	625.50	627.00	1.50	546.000	126.000	105.000	0.045	0.029	0.004	0.500	
J591356	627.00	628.50	1.50	513.000	91.000	101.000	0.024	0.015	0.002	0.500	
J591357	628.50	630.00	1.50	485.000	99.000	93.000	0.036	0.026	0.002	0.500	
J591358	630.00	631.50	1.50	474.000	113.000	96.000	0.024	0.025	0.002	0.500	
J591359	631.50	633.00	1.50	438.000	90.000	93.000	0.021	0.014	0.001	0.500	
J591361	633.00	634.50	1.50	273.000	96.000	72.000	0.013	0.006	0.002	0.500	
J591362	634.50	636.00	1.50	232.000	110.000	70.000	0.014	0.006	0.005	0.500	
J591363	636.00	637.50	1.50	231.000	100.000	72.000	0.020	0.005	0.002	0.500	
J591364	637.50	639.00	1.50	208.000	86.000	69.000	0.029	0.005	0.002	0.500	
J591365	639.00	640.50	1.50	220.000	106.000	69.000	0.020	0.005	0.002	0.500	
J591366	640.50	642.00	1.50	219.000	95.000	62.000	0.022	0.022	0.003	0.500	
J591367	642.00	643.50	1.50	208.000	110.000	66.000	0.023	0.007	0.002	0.500	
J591368	643.50	645.00	1.50	204.000	132.000	67.000	0.027	0.011	0.004	0.500	
J591369	645.00	646.50	1.50	215.000	195.000	67.000	0.022	0.019	0.002	0.500	
J591370	645.00	646.50	1.50	218.000	216.000	68.000	0.026	0.031	0.003	0.500	
J591371	646.50	648.00	1.50	191.000	116.000	66.000	0.024	0.006	0.002	0.500	
J591372	648.00	649.00	1.00	195.000	125.000	64.000	0.019	0.003	0.002	0.500	
J591373	649.00	650.00	1.00	188.000	103.000	68.000	0.026	0.005	0.001	0.500	
J591374	650.00	651.00	1.00	207.000	81.000	67.000	0.014	0.005	0.023	0.500	
J591375	651.00	652.00	1.00	214.000	55.000	67.000	0.010	0.003	0.002	0.500	
J591376	652.00	653.00	1.00	224.000	84.000	69.000	0.013	0.006	0.001	0.500	
J591377	653.00	654.00	1.00	234.000	69.000	69.000	0.007	0.004	0.001	0.500	
J591378	654.00	655.00	1.00	268.000	206.000	73.000	0.018	0.075	0.020	0.500	
J591379	655.00	655.60	0.60	288.000	394.000	74.000	0.068	0.113	0.009	0.500	

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct

MINOR INTERVALS:

600.00 - 606.40 : IGB Gabbro

CONTACT WITH OVERLYING UPPER SERIES GABBRO MARKED BY ABSENCE OF CUMULATE LATHS OF PLAGIOCLASE. 55% PYROXENE, 45% PLAGIOCLASE, 5% MAGNETITE. OPHITIC TO GRANULAR TEXTURE WITH EUHEDRAL PYROXENE SURROUNDED BY WHITE PLAGIOCLASE. WEAK HEMATITE ALTERATION ALTERS FELDSPAR AND GROUNDMASS. 1-2% DISSEMINATED PY-PO.

606.40 - 633.00 : IOMGB Olivine Melagabbro

GRADUAL FRACTIONATION OF OVERLYING GABBRO TO A MORE MAFIC COMPOSITION WITH OLIVINE. WEAK OIKOCRYSTIC TEXTURE WITH PLAGIOCLASE SURROUNDING PYROXENE AND OLIVINE CHADACRYSTS. ALTERED PYROXENE PHENOCRYTS FROM 606.4-613m MOTTLED APPEARANCE, ESPECIALLY FROM 618-629m. 50-65% PYROXENE, 10-20% PLAGIOCLASE 5-15% OLIVINE, 5% BIOTITE. CHLORITIC VEIN AT 627m SHOWS SLICKENLINES AND MAY REPRESENT A FAULT BUT THERE IS NO SIGNIFICANT CHANGE IN LITHOLOGY ON EITHER SIDE.

633.00 - 655.60 : IGB Gabbro

GRADUAL FINING OF OVERLYING OLIVINE MELAGABBRO TO A FINE GRAINED, MASSIVE GABBRO. VERY MONOTONOUS UNIT COMPRISED OF 45-55% PYROXENE, 40-50% PLAGIOCLASE, 0-10% OLIVINE AND TRACE BIOTITE. PLAGIOCLASE OIKOCRYSTS ENCLOSE MAFIC PHASES. MINOR SULFIDE MINERALIZATION OCCURS AS COARSE, SINGLE BLEBS OF CPY RICH SULFIDE. BLEB AT 645m, AND FROM 654.7-655.6m 3 COARSE GRAINED BLEBS OF CPY WITH MINOR PO AND BORNITE? (STRONGLY TARNISHED INCLUSION IN CPY)

Minor Alteration:

618.00 - 633.00: Chlorite, Pervasive, Weak

627.00 - 627.00: Chlorite, Veins, Strong

POSSIBLE FAULT?

Minor Mineralization:

600.00 - 606.40: Pyrrhotite/Pyrite, Disseminated, 1-2%

654.70 - 655.60: Pyrrhotite/Chalcopyrite, Blebby, 1%

3 ISOLATED BLEBS OF CPY RICH FRACTIONATED SULFIDE

Minor Structure:

606.40 - 633.00: Slikensides

CHLORITIC VEIN

Minor Texture:

600.00 - 606.40: Ophitic

600.00 - 606.40: Fine Grained - Medium Grained

606.40 - 613.00: Medium Grained

606.40 - 613.00: Pyroxene Phyric

606.40 - 633.00: Oikocrysts

WEAKLY OIKOCRYSTIC. PLAGIOCLASE IS OIKOCRYSTIC PHASE.

613.00 - 633.00: Fine Grained

633.00 - 655.60: Oikocrysts

PLAGIOCLASE OIKOCRYSTS ENCLOSE PYROXENE AND OLIVINE CHADACRYSTS

633.00 - 655.60: Massive

633.00 - 655.60: Fine Grained

From	To	Lithology
655.60	678.80	**IUMS, Ultramafic Series**

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct

From	To	Lithology

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
J591380	655.60	656.60	1.00	683.000	680.000	126.000	0.128	0.113	0.014	0.500	
J591380	655.60	656.60	1.00	683.000	680.000	126.000	0.128	0.113	0.014	0.500	
J591381	656.60	657.60	1.00	935.000	1,510.000	130.000	1.190	0.730	0.080	0.700	
J591381	656.60	657.60	1.00	935.000	1,510.000	130.000	1.190	0.730	0.080	0.700	
J591383	657.60	658.60	1.00	1,215.000	2,500.000	122.000	1.520	0.889	0.111	1.400	
J591383	657.60	658.60	1.00	1,215.000	2,500.000	122.000	1.520	0.889	0.111	1.400	
J591384	658.60	659.60	1.00	1,505.000	3,130.000	140.000	1.605	0.897	0.132	1.900	
J591384	658.60	659.60	1.00	1,505.000	3,130.000	140.000	1.605	0.897	0.132	1.900	
J591385	659.60	660.60	1.00	1,785.000	5,190.000	132.000	2.200	1.360	0.142	3.200	
J591385	659.60	660.60	1.00	1,785.000	5,190.000	132.000	2.200	1.360	0.142	3.200	
J591386	660.60	661.60	1.00	1,635.000	4,730.000	124.000	2.070	1.310	0.116	2.500	
J591386	660.60	661.60	1.00	1,635.000	4,730.000	124.000	2.070	1.310	0.116	2.500	
J591387	661.60	662.60	1.00	2,170.000	6,480.000	147.000	4.030	2.370	0.201	3.800	
J591388	662.60	663.60	1.00	1,115.000	2,380.000	114.000	1.290	0.802	0.083	1.400	
J591389	663.60	664.60	1.00	1,070.000	2,080.000	120.000	0.994	0.566	0.078	0.900	
J591391	664.60	665.40	0.80	1,055.000	2,300.000	115.000	0.742	0.477	0.062	1.600	
J591392	665.40	666.40	1.00	498.000	876.000	69.000	0.131	0.089	0.013	0.800	
J591393	666.40	667.40	1.00	444.000	582.000	68.000	0.048	0.029	0.005	0.500	
J591394	667.40	668.40	1.00	815.000	1,695.000	103.000	0.635	0.364	0.042	0.900	
J591395	668.40	669.40	1.00	563.000	796.000	83.000	0.134	0.088	0.013	0.500	
J591396	669.40	670.40	1.00	1,240.000	3,120.000	128.000	1.130	0.699	0.072	1.700	
J591397	670.40	671.40	1.00	1,555.000	4,020.000	149.000	1.290	0.797	0.086	2.600	
J591398	671.40	672.40	1.00	836.000	1,390.000	122.000	0.481	0.287	0.034	1.000	
J591399	672.40	673.40	1.00	879.000	2,200.000	103.000	0.628	0.373	0.045	1.700	
J591401	673.40	674.40	1.00	1,095.000	2,950.000	124.000	0.827	0.512	0.056	1.900	
J591402	674.40	675.40	1.00	509.000	878.000	88.000	0.141	0.094	0.013	0.700	
J591403	675.40	676.40	1.00	482.000	767.000	74.000	0.056	0.033	0.009	0.700	
J591404	676.40	676.90	0.50	513.000	870.000	98.000	0.277	0.169	0.019	0.800	
J591405	676.90	677.90	1.00	295.000	375.000	66.000	0.040	0.024	0.004	0.500	
J591406	677.90	678.80	0.90	461.000	844.000	74.000	0.309	0.187	0.021	0.700	
J591388	662.60	663.60	1.00	1,115.000	2,380.000	114.000	1.290	0.802	0.083	1.400	
J591389	663.60	664.60	1.00	1,070.000	2,080.000	120.000	0.994	0.566	0.078	0.900	
J591392	665.40	666.40	1.00	498.000	876.000	69.000	0.131	0.089	0.013	0.800	
J591393	666.40	667.40	1.00	444.000	582.000	68.000	0.048	0.029	0.005	0.500	
J591394	667.40	668.40	1.00	815.000	1,695.000	103.000	0.635	0.364	0.042	0.900	
J591395	668.40	669.40	1.00	563.000	796.000	83.000	0.134	0.088	0.013	0.500	
J591396	669.40	670.40	1.00	1,240.000	3,120.000	128.000	1.130	0.699	0.072	1.700	
J591397	670.40	671.40	1.00	1,555.000	4,020.000	149.000	1.290	0.797	0.086	2.600	
J591398	671.40	672.40	1.00	836.000	1,390.000	122.000	0.481	0.287	0.034	1.000	
J591399	672.40	673.40	1.00	879.000	2,200.000	103.000	0.628	0.373	0.045	1.700	
J591401	673.40	674.40	1.00	1,095.000	2,950.000	124.000	0.827	0.512	0.056	1.900	
J591402	674.40	675.40	1.00	509.000	878.000	88.000	0.141	0.094	0.013	0.700	
J591403	675.40	676.40	1.00	482.000	767.000	74.000	0.056	0.033	0.009	0.700	
J591404	676.40	676.90	0.50	513.000	870.000	98.000	0.277	0.169	0.019	0.800	
J591405	676.90	677.90	1.00	295.000	375.000	66.000	0.040	0.024	0.004	0.500	
J591406	677.90	678.80	0.90	461.000	844.000	74.000	0.309	0.187	0.021	0.700	

From	To	Lithology

MINOR INTERVALS:
655.60 - 662.40 : IOMGB Olivine Melagabbro
SHARP CONTACT WITH OVERLYING GABBRO MARKED BY COARSER GRAIN SIZE (MEDIUM GRAINED), WEAK TO MODERATE SERPENTINE VEINING AND PRESENCE OF CHLORITE/CARBONATE CLOTS/XENOLITHS. UNIT IS VARIABLY TEXTURED AND HETEROGENOUS WITH RAPID CHANGES. FINELY DISSEMINATED SULFIDES THROUGHOUT UNIT, CONSISTING OF CPY-PO-PY WITH VISIBLE MAGNETITE IN COARSER BLEBS. APPROXIMATELY 2-3% AVERAGE SULFIDE THROUGHOUT UNIT WITH DISTRIBUTION INDICATED IN MINERALIZATION LOG.
662.40 - 665.30 : IPDT IPDT
COARSE GRAINED OLIVINE MESOCUMULATE PERIDOTITE. EUHEDRAL/SKELETAL OLIVINE ARE UP TO 5mm IN DIAMETER, GREY-WHITE IN COLOUR, AND COMPRISE 40-60% OF THE MODAL MINERALOGY. INTERCUMULUS MATERIAL IS ANHEDRAL, AND APPEARS TO BE CHLORITIZED/SERPENTINIZED RELICT PYROXENE (30-50%). UNIT AVERAGES 5% COARSE GRAINED, BLEBBY AND FINELY DISSEMINATED CPY-PO MINERALIZATION. LOWER CONTACT MARKED BY STRONGLY CHLORITE/AMPHIBOLE ALTERED MOTTLED ZONE WHICH TRANSITIONS INTO UNDERLYING GABBROIC UNIT.
665.30 - 676.90 : IMGB Melagabbro
VARIABLY TEXTURED UNIT OVERALL WITH ROCK TYPES RANGING FROM GABBRO TO OLIVINE MELAGABBRO. FROM 665.3-667.6m CORE IS GABBROIC IN COMPOSITION, FRACTIONATING DOWNWARDS TO OLIVINE MELAGABBRO. INTERVAL IS CHARACTERIZED BY MODERATE TO STRONG CARBONATE ALTERATION OCCURING PERVASSIVELY AND IN FRACTURE CONTROLED VEINS. COARSE GRAINED CHLORITE PODS FOUND THROUGHOUT. TRACE PO THROUGH THIS INTERVAL. FROM 667.6-667.9m THE UNIT CHANGES TO A COARSE GRAINED, VARITEXTURED GABBRO WITH 5% COARSE GRAINED BLEBS OF PO-CPY WHICH ARE FOUND WITHIN AND ADJACENT TO CHLORITE/QUARTZ PODS. FROM 667.9-668.4m OLIVINE CUMULATE TEXTURE NOTED WHICH FINES AND FRACTIONATES DOWNWARDS. FROM 668.4-669.7m FINE GRAINED MELAGABBRO WITH CHLORITE PODS AND 1-2% FINELY DISSEMINATED PO-CPY. FROM 669.7-670.7m VARITEXTURED WITH 5% COARSE GRAINED BLEBBY PO-CPY-PN? SULFIDES SHOW BRIGHT PINK PO ALONGSIDE CPY AND A QUICKLY TARNISHING SULFIDE PHASE. FROM 670.7-676.9m UNIT IS FAIRLY MASSIVE, MEDIUM TO FINE GRAINED WITH ONLY MINOR PATCHES OF VARITEXTURED GABBRO. FROM 670.7-672.4m UNIT CONTAINS 3-4% FINELY DISSEMINATED PO-CPY MINERALIZATION, WHILE FROM 672.4-673.6m SULFIDES ARE FOUND AS MEDIUM TO COARSE GRAINED BLEBS ASSOCIATED WITH CHLORITE/QUARTZ PODS (3-4%). FROM 673.6-675.9m UNIT IS FAIRLY HOMOGENOUS, MELAGABBRO WITH 1% FINELY DISSEMINATED PO-CPY. FROM 675.9-676.7m UNIT IS VARITEXTURED WITH A COARSE POD OF ANORTHOSITIC GABBRO-DIORITE FROM 676-676.2m. FROM 676.2-676.9m UNIT FINES, WITH LOWER MOST 10cm SHOWING PYROXENE PHYRIC TEXTURE WITH MOTTLED FINE GRAINED GROUNDMASS. GRADUAL TRANSITION TO UNDERLYING GABBRO.
676.90 - 678.80 : IGB Gabbro
MEDIUM TO FINE GRAINED, INTERGRANULAR TEXTURED GABBRO WITH MINOR LAYERING. IGNEOUS CONTACT AT 677.3m AT 55 DTCA. TRACE FINE DISSEMINATED SULFIDE TO 678.6m FROM 678.6m 5% FINELY DISSEMINATED PO-CPY MINERALIZATION TO LOWER CONTACT WITH QUETICO SEDIMENTS. BASAL CONTACT IS SHARP BUT IRREGULAR, ORIENTED AT APPROXIMATELY 30 DTCA.

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct

From	To	Lithology
Minor Alteration:		
655.60 - 659.90: Serpentinization, Veins, Moderate		
662.40 - 665.30: Chlorite, Pervasive, Strong		
ALTERS GROUNDMASS		
662.40 - 665.30: Serpentinization, Pervasive, Strong		
665.30 - 667.60: Carbonate, Veins, Strong		
665.30 - 676.90: Chlorite, Pods, Moderate		
PODS/XENOLITHS OF CHLORITE THROUGHOUT		
Minor Mineralization:		
655.60 - 659.40: Pyrrhotite/Chalcopyrite, Disseminated, 2%		
659.40 - 659.90: Pyrrhotite/Chalcopyrite, Blebby, 5%		
659.40 - 662.40: Pyrrhotite/Pyrite/Chalcopyrite, Disseminated, 5%		
662.40 - 665.30: Pyrrhotite/Chalcopyrite, Blebby, 5%		
BLEBS OF SULFIDE ARE FRACTIONATED AND MAY CONTAIN PENTLANDITE. OCCUR INTERSTITIA		
665.30 - 667.60: Pyrrhotite, Trace, TRACE%		
667.60 - 667.90: Pyrrhotite/Chalcopyrite, Blebby, 5%		
667.60 - 668.40: Pyrrhotite/Chalcopyrite, Trace, TRACE%		
668.40 - 669.70: Pyrrhotite/Chalcopyrite, Disseminated, 1-2%		
669.70 - 670.70: Pyrrhotite/Pentlandite/Chalcopyrite, Blebby, 5%		
670.70 - 672.40: Pyrrhotite/Chalcopyrite, Disseminated, 3-4%		
672.40 - 673.60: Pyrrhotite/Chalcopyrite, Blebby, 3-4%		
673.60 - 675.90: Pyrrhotite/Chalcopyrite, Disseminated, 1%		
675.90 - 676.90: Pyrrhotite/Chalcopyrite, Blebby, 3%		
676.90 - 678.60: Pyrrhotite/Chalcopyrite, Disseminated, TRACE%		
678.60 - 678.80: Pyrrhotite/Chalcopyrite, Disseminated, 5%		
Minor Structure:		
655.60 - 658.50: Veins		
SERPENTINE VEINS		
677.30 - 677.30: Contact		
IGNEOUS LAYER		
678.80 - 678.80: Contact		
BASAL CONTACT		

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct

From	To	Lithology	Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
		Minor Texture: **655.60 - 658.50: Medium Grained** **658.50 - 659.10: Fine Grained** **659.10 - 659.90: Varitextured** **659.90 - 662.40: Pyroxene Phyric** FINE GRAINED, CHLORITIZED PHENOCRYSTS OF PYROXENE VISIBLE THROUGHOUT **659.90 - 662.40: Medium Grained** **662.40 - 665.20: Mesocumulate** OLIVINE CUMULATE TEXTURE. INTERCUMULUS PHASES ARE STRONGLY CHLORITE/SERPENTINE **662.40 - 665.30: Coarse Grained** **665.20 - 665.30: Varitextured** MOTTLED, ANHEDRAL TRANSITION ZONE TO UNDERLYING GABBRO **665.30 - 667.60: Massive** **665.30 - 667.60: Medium Grained** **667.60 - 667.90: Varitextured** **667.90 - 668.40: Mesocumulate** OLIVINE CUMULATE LAYER **667.90 - 668.40: Medium Grained - Coarse Grained** **668.40 - 669.70: Fine Grained - Medium Grained** **669.70 - 670.70: Varitextured** **670.70 - 676.90: Massive** **670.70 - 676.90: Medium Grained - Fine Grained** **675.90 - 676.70: Varitextured** LEUCOCRATIC PODS/VEINS **676.70 - 676.90: Pyroxene Phyric** **676.90 - 678.80: Massive** INTERGRANULAR TEXTURE **676.90 - 678.80: Fine Grained - Medium Grained**											
678.80	714.00	**MQZT, Mafic metasediment**												

From	To	Lithology
		FOOTWALL QUETICO METASEDIMENTS. THERMALLY ALTERED THROUGH TO BOTTOM OF HOLE. FROM 678.8-687.8m ENTIRE UNIT LOOKS BRECCIATED/PARTIALLY MELTED WITH LEUCOCRATIC AND CHLORITIC VEINS/PODS CROSS CUTTTING UNIT. IN CONTRAST TO OVERLYING BRECCIAS WHICH EXHIBIT BRITTLE DEFORMATION AND LATER HYDROTHERMAL ALTERATION, THIS UNIT LOOKS TO BE HYDRALICALLY BRECCIATED/MELTED. VEINS/PODS OFTEN CONTAIN BLEBBY TO DISSEMINATED CPY-PO MINERALIZATION. THIS INTERVAL AVERAGES 2% PO-CPY MINERALIZATION THROUGHOUT. COARSE GRAINED SULFIDE AT 680m SHOWS BRIGHT PINK PO-PN? WITH FRACTIONATED CPY AROUND OUTSIDE. FROM 687.8-714m UNIT APPEARS BLEACHED TO A GREY-GREEN COLOUR RELATIVE AND SHOWS MINOR BRECCIATION OF HAS ABUNDANT CROSS CUTTING, PINK-WHITE FELSIC VEINLETS, WHICH ARE NOT TYPICAL TO OVERLYING HANGING WALL SEDIMENTS.

Alteration:

678.80 - 687.80: Chlorite, Patchy, Moderate

ASSOCIATED WITH LEUCOCRATIC VEINS/PODS

687.80 - 714.00: K-Feldspar, Veins, Weak

PINK X-CUTTING VEINS

687.80 - 714.00: Bleaching, Pervasive, Strong

Mineralization:

678.80 - 687.80: Pyrrhotite/Chalcopyrite, Blebby, 2%

687.80 - 714.00: Pyrite, Trace, TRACE%

Structure:

687.80 - 714.00: Banded

Texture:

678.80 - 687.90: Brecciated

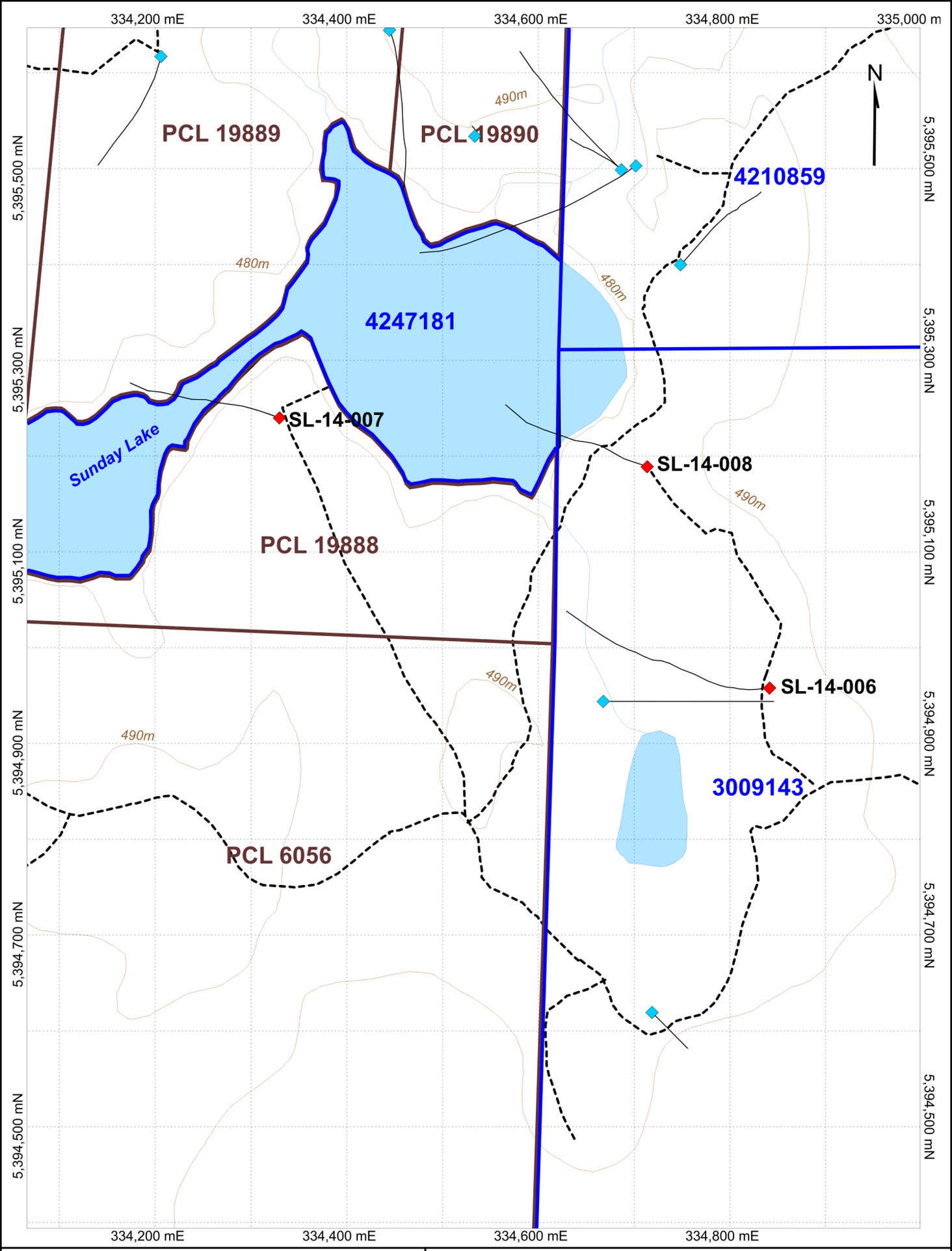
687.90 - 714.00: Banded

Sample #	From	To	Length	Ni ppm	Cu ppm	Co ppm	Pt ppm	Pd ppm	Au ppm	Ag ppm	S pct
J591407	678.80	679.80	1.00	303.000	499.000	59.000	0.084	0.050	0.008	0.500	
J591408	679.80	680.80	1.00	520.000	531.000	67.000	0.223	0.160	0.009	0.500	
J591409	680.80	681.80	1.00	326.000	231.000	66.000	0.005	0.007	0.001	0.500	
J591410	680.80	681.80	1.00	322.000	236.000	67.000	0.005	0.007	0.001	0.500	
J591411	681.80	682.80	1.00	239.000	136.000	51.000	0.005	0.005	0.001	0.500	
J591412	682.80	683.80	1.00	188.000	107.000	43.000	0.005	0.004	0.001	0.500	
J591413	683.80	684.80	1.00	246.000	177.000	53.000	0.005	0.006	0.001	0.500	
J591414	684.80	685.80	1.00	218.000	516.000	44.000	0.086	0.056	0.008	0.600	
J591415	685.80	686.80	1.00	184.000	179.000	40.000	0.038	0.030	0.002	0.500	
J591416	686.80	687.80	1.00	163.000	91.000	36.000	0.005	0.004	0.001	0.500	
J591417	687.80	688.80	1.00	104.000	46.000	29.000	0.005	0.002	0.001	0.500	
J591418	688.80	689.80	1.00	81.000	7.000	34.000	0.005	0.002	0.001	0.500	

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	290.00	-85.00	REFLEX	O	
30.00	270.60	-84.30	REFLEX	N	
60.00	289.70	-84.10	REFLEX	O	
120.00	6.90	-82.80	REFLEX	N	
180.00	287.30	-81.40	REFLEX	O	
240.00	300.80	-79.50	REFLEX	O	
300.00	299.20	-77.70	REFLEX	O	
360.00	288.30	-76.00	REFLEX	O	
420.00	279.20	-74.60	REFLEX	O	
480.00	287.50	-73.20	REFLEX	O	
540.00	289.10	-72.30	REFLEX	O	
600.00	293.60	-70.60	REFLEX	O	
660.00	309.70	70.00	REFLEX	O	

Appendix B: Drill Plan and Cross Sections



Transition Metals

IMPLATS Distinctly Platinum

Sunday Lake Project
Drill Hole Location Map

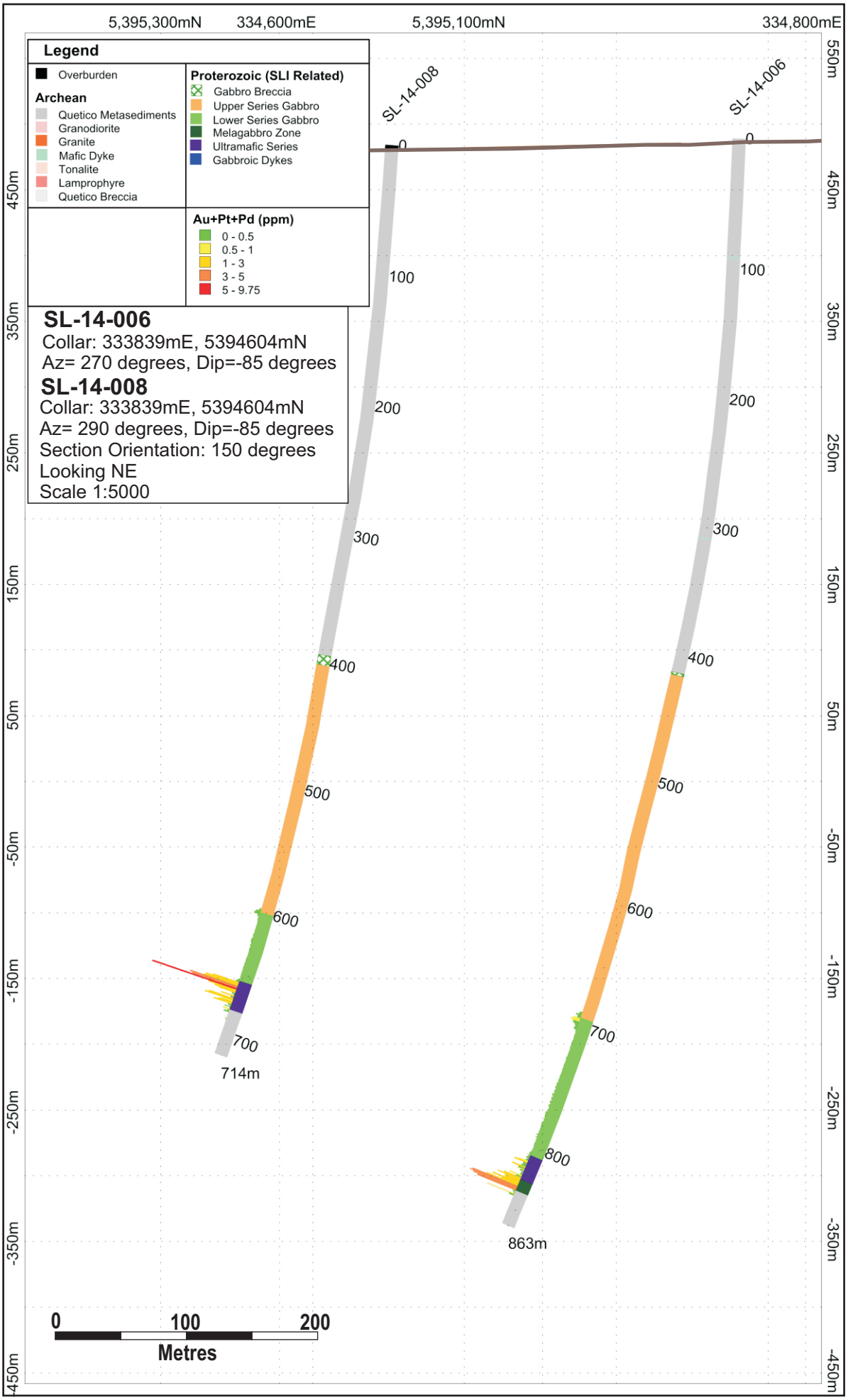
0 100m 200m

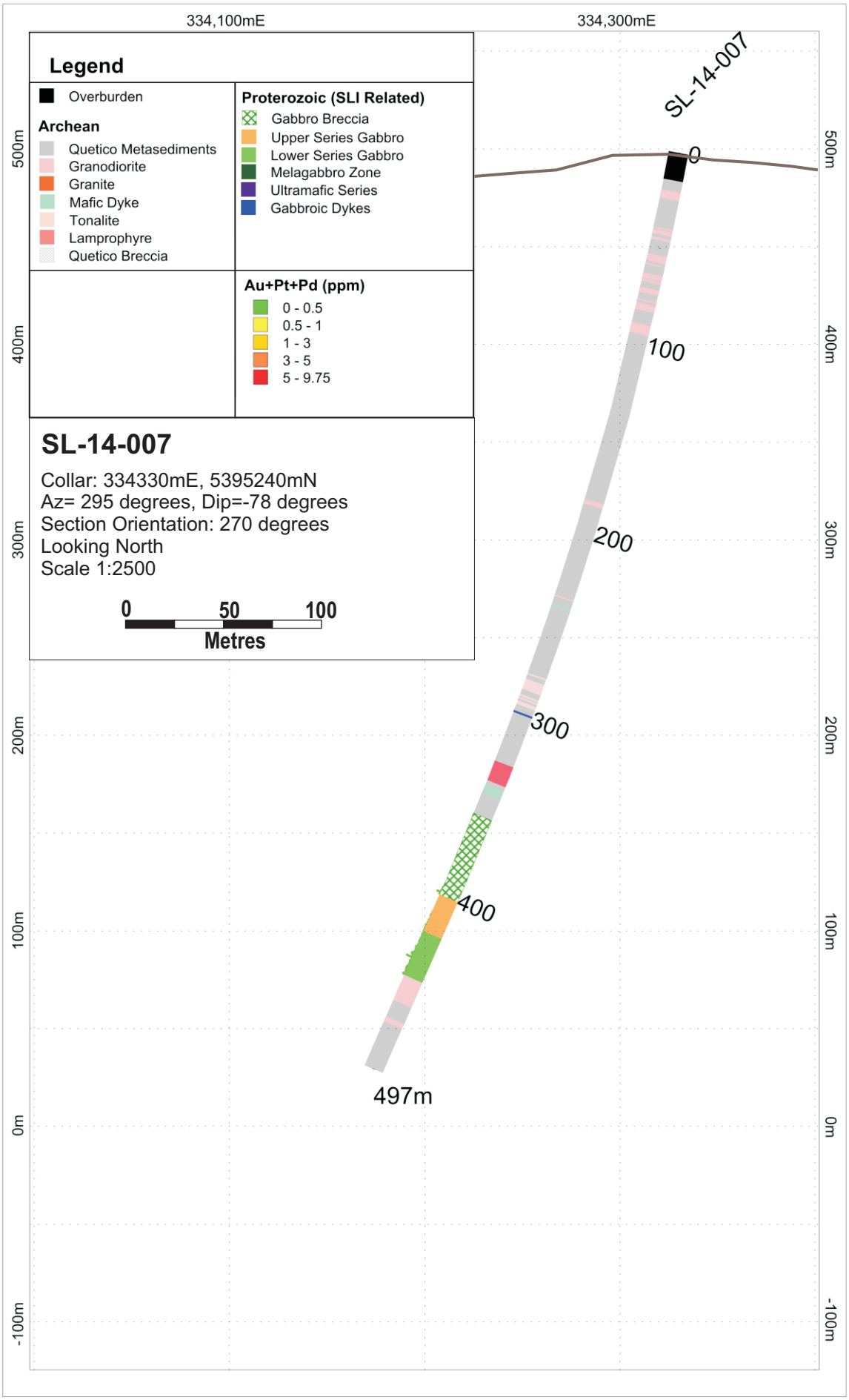
1:5,000

UTM NAD 83 Zone 16U

Legend

- Sunday Lake Project Mining Claim
- Optioned Patented Land
- Phase 3 Drill Hole Collar Location
- Historical Drill Hole Collar Location
- Lake - Pond
- Creek - Stream
- Drill Trail


5,395,300mN
334,600mE
5,395,100mN
334,800mE
Legend
Overburden
Archean
Quetico Metasediments
Granodiorite
Granite
Mafic Dyke
Tonalite
Lamprophyre
Quetico Breccia
Proterozoic (SLI Related)
Gabbro Breccia
Upper Series Gabbro
Lower Series Gabbro
Melagabbro Zone
Ultramafic Series
Gabbroic Dykes
Au+Pt+Pd (ppm)
0 - 0.5
0.5 - 1
1 - 3
3 - 5
5 - 9.75
SL-14-006
Collar: 333839mE, 5394604mN
Az= 270 degrees, Dip=-85 degrees
SL-14-008
Collar: 333839mE, 5394604mN
Az= 290 degrees, Dip=-85 degrees
Section Orientation: 150 degrees
Looking NE
Scale 1:5000
SL-14-008
SL-14-006
714m
863m
0
100
200
Metres
550m
450m
350m
250m
150m
50m
-50m
-150m
-250m
-350m
-450m


334,100mE
334,300mE
Legend
Overburden
Archean
Quetico Metasediments
Granodiorite
Granite
Mafic Dyke
Tonalite
Lamprophyre
Quetico Breccia
Proterozoic (SLI Related)
Gabbro Breccia
Upper Series Gabbro
Lower Series Gabbro
Melagabbro Zone
Ultramafic Series
Gabbroic Dykes
Au+Pt+Pd (ppm)
0 - 0.5
0.5 - 1
1 - 3
3 - 5
5 - 9.75
SL-14-007
Collar: 334330mE, 5395240mN
Az= 295 degrees, Dip=-78 degrees
Section Orientation: 270 degrees
Looking North
Scale 1:2500
0
50
100
Metres
SL-14-007
0
100
200
300
400
497m
500m
400m
300m
200m
100m
0m
-100m

Appendix C: Assays

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-DEC-2014
Account: TRAMET

CERTIFICATE TB14188875

Project: 34

This report is for 98 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 9-DEC-2014.

The following have access to data associated with this certificate:

GREG COLLINS SCOTT MCLEAN	STEVE FLANK GRANT MOURRE	PETER MCINTYRE TRAMET/HTXMIN WEBTRIEVE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
ME-MS81	Lithium Borate Fusion ICP-MS	ICP-MS
TOT-ICP06	Total Calculation for ICP06	ICP-AES
ME-4ACD81	Base Metals by 4-acid dig.	ICP-AES
S-IR08	Total Sulphur (Leco)	LECO
OA-GRA08	Specific Gravity - Bulk Sample	WST-SEQ

To: TRANSITION METALS CORP.
ATTN: STEVE FLANK
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14188875

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.5	ME-MS81 Cr ppm 10	ME-MS81 Cs ppm 0.01	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.03	ME-MS81 Ga ppm 0.1	ME-MS81 Gd ppm 0.05	ME-MS81 Hf ppm 0.2	ME-MS81 Ho ppm 0.01
N500501		2.57	0.005	0.034	0.032	135.0	34.8	1480	2.79	2.70	1.20	1.39	9.1	3.59	2.7	0.47
N500502		2.61	0.002	0.031	0.030	134.5	34.3	1380	2.77	2.77	1.19	1.31	9.3	3.77	2.8	0.45
N500503		2.65	0.002	0.022	0.012	117.5	36.9	1290	2.49	2.94	1.20	1.32	10.2	4.17	3.0	0.51
N500504		2.50	0.001	0.023	0.017	111.0	40.7	1230	2.76	3.15	1.37	1.37	11.3	4.23	3.0	0.56
N500505		2.74	0.007	0.022	0.016	99.5	31.8	1130	2.84	2.73	1.10	1.33	10.0	3.75	2.7	0.49
N500506		2.53	0.001	0.028	0.006	102.0	32.8	940	1.87	2.73	1.19	1.30	10.3	3.68	2.5	0.51
N500507		2.71	0.003	0.032	0.017	125.5	39.4	1020	1.55	3.29	1.48	1.51	11.5	4.73	3.2	0.57
N500508		2.69	0.004	0.032	0.012	151.5	43.7	970	1.57	3.32	1.49	1.56	11.5	4.77	3.6	0.61
N500509		2.77	0.004	0.039	0.015	162.5	50.6	970	1.88	3.41	1.41	1.77	12.4	4.62	4.0	0.58
N500510		0.06	0.032	0.182	0.345											
N500511		1.52	0.014	0.116	0.085	156.5	50.5	1010	1.66	3.37	1.47	1.74	12.8	4.80	5.5	0.63
N500512		1.16	0.002	0.024	0.006	176.5	52.3	1050	2.04	3.47	1.55	1.75	12.9	5.04	4.3	0.61
N500513		2.74	0.002	0.022	0.016	196.0	57.1	920	1.80	3.52	1.68	1.94	13.2	5.40	4.6	0.69
N500514		1.45	0.008	0.092	0.065	192.5	56.2	840	1.42	3.52	1.60	1.86	13.5	4.93	4.6	0.64
N500515		1.36	0.001	0.017	0.004	183.5	49.6	770	1.88	3.52	1.51	1.82	12.6	4.92	4.1	0.62
N500516		2.73	0.002	0.022	0.011	180.5	51.9	870	2.16	3.60	1.60	1.85	13.1	5.18	4.1	0.67
N500517		2.81	0.002	0.028	0.021	184.0	50.8	800	2.05	3.36	1.59	1.68	13.0	4.76	4.0	0.59
N500518		1.18	<0.001	<0.005	<0.001											
N500519		2.80	0.001	0.014	0.006	194.0	54.7	810	1.58	3.67	1.63	1.88	13.1	5.17	4.3	0.72
N500520		2.65	0.001	0.036	0.005	191.5	49.4	740	1.62	3.66	1.55	1.64	13.7	5.24	4.3	0.67
N500521		2.34	0.001	0.029	0.005	162.5	44.9	760	1.65	3.49	1.52	1.61	12.2	4.95	3.6	0.63
N500522		2.75	0.001	0.028	0.007	192.0	49.5	820	1.44	3.37	1.63	1.70	12.7	5.45	4.2	0.66
N500523		2.91	0.001	0.018	0.007	179.0	48.4	890	1.72	3.45	1.51	1.62	12.1	4.97	4.0	0.59
N500524		2.82	0.002	0.013	0.006	165.0	46.8	1020	1.29	3.34	1.45	1.66	11.7	4.70	3.9	0.60
N500525		2.78	0.001	0.011	0.009	167.0	46.7	1170	1.55	3.25	1.44	1.59	11.7	4.82	3.9	0.59
N500526		2.81	0.001	0.011	0.007	173.5	43.4	1290	1.45	3.06	1.33	1.49	11.1	4.21	3.4	0.52
N500527		2.79	0.001	0.018	0.012	155.0	41.6	1400	1.53	2.92	1.42	1.47	10.4	4.21	3.3	0.51
N500528		2.69	0.003	0.022	0.022	142.0	38.3	1460	1.13	2.84	1.23	1.37	9.5	3.91	3.1	0.45
N500529		2.78	0.016	0.046	0.067	137.0	35.3	1520	1.05	2.71	1.16	1.26	9.0	3.64	2.9	0.48
N500530		0.06	0.033	0.172	0.333											
N500531		2.58	0.003	0.045	0.027	115.5	34.0	1690	1.36	2.53	1.24	1.24	8.9	3.72	2.7	0.46
N500532		1.09	0.012	0.116	0.097	96.4	30.4	1920	1.82	2.44	1.04	1.19	8.3	3.61	2.6	0.45
N500533		1.18	0.004	0.053	0.016	35.4	28.4	1630	3.52	1.77	0.74	0.84	6.1	2.30	2.5	0.29
N500534		2.31	0.005	0.093	0.046	95.0	26.6	2150	1.48	1.70	0.67	0.94	6.7	2.54	2.2	0.31
N500535		2.58	0.021	0.111	0.100	87.2	22.5	3040	0.96	1.56	0.58	0.75	7.1	2.13	1.7	0.26
N500536		2.49	0.016	0.059	0.047	78.4	23.4	2470	1.34	1.64	0.70	0.88	6.8	2.38	1.9	0.32
N500537		2.58	0.011	0.103	0.082	72.8	19.4	2360	1.19	1.54	0.73	0.73	5.7	2.29	1.7	0.27
N500538		2.71	0.033	0.380	0.273	50.3	20.9	2500	2.13	1.65	0.71	0.78	6.1	2.20	1.8	0.29
N500539		2.53	0.061	0.548	0.402	63.0	26.6	2240	1.99	2.01	0.85	0.88	6.5	2.67	2.3	0.34
N500540		<0.02	0.061	0.507	0.378											

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14188875

Sample Description	Method / Analyte / Units / LOR	ME-MS81 La ppm 0.5	ME-MS81 Lu ppm 0.01	ME-MS81 Nb ppm 0.2	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.03	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tm ppm 0.01	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5
N500501		14.3	0.13	10.3	20.8	4.71	14.1	4.85	1	335	0.7	0.51	1.07	0.16	0.30	222
N500502		14.0	0.12	10.4	20.5	4.67	14.8	4.61	1	341	0.6	0.53	1.07	0.17	0.33	231
N500503		15.4	0.14	12.1	21.7	5.01	12.4	4.83	1	384	0.7	0.51	1.24	0.17	0.40	219
N500504		17.0	0.15	12.4	23.3	5.43	12.2	5.39	1	356	0.7	0.58	1.33	0.18	0.40	222
N500505		12.9	0.12	9.7	20.5	4.44	14.7	4.54	1	413	0.5	0.52	0.94	0.15	0.23	243
N500506		13.3	0.14	9.7	21.0	4.65	10.3	4.76	1	369	0.6	0.52	0.94	0.17	0.27	269
N500507		15.9	0.17	12.3	24.3	5.54	9.0	5.55	1	363	0.7	0.60	1.00	0.18	0.32	300
N500508		18.2	0.18	13.6	25.2	5.91	11.1	5.90	1	386	0.9	0.66	1.39	0.20	0.46	279
N500509		21.2	0.18	15.8	28.5	6.70	13.1	5.86	1	453	1.0	0.64	1.62	0.20	0.50	231
N500510																
N500511		21.5	0.15	16.3	28.8	6.77	10.8	6.06	1	455	1.0	0.64	1.84	0.21	0.60	243
N500512		22.1	0.18	16.3	29.7	7.03	13.8	6.44	1	462	1.0	0.68	1.58	0.21	0.54	262
N500513		24.5	0.22	18.5	32.4	7.60	13.5	7.10	1	454	1.1	0.68	2.04	0.24	0.59	251
N500514		24.5	0.16	18.2	31.0	7.46	11.1	6.82	1	497	1.1	0.71	2.29	0.22	0.70	254
N500515		20.9	0.18	15.3	27.9	6.50	13.6	5.95	1	476	0.9	0.64	1.60	0.20	0.48	273
N500516		21.8	0.17	16.0	29.9	6.93	14.3	6.60	1	490	1.0	0.68	1.72	0.21	0.53	276
N500517		21.5	0.15	16.3	28.7	6.76	13.8	5.90	1	473	1.0	0.63	1.77	0.18	0.51	256
N500518																
N500519		23.1	0.20	17.4	30.8	7.16	13.8	6.25	1	471	1.1	0.71	1.88	0.25	0.54	265
N500520		21.0	0.18	16.4	28.8	6.64	12.0	6.68	1	470	1.0	0.71	1.80	0.20	0.51	281
N500521		18.6	0.16	14.6	26.8	6.21	11.4	5.84	1	422	0.9	0.66	1.45	0.20	0.44	283
N500522		21.0	0.17	15.6	29.0	6.64	12.3	6.41	1	455	1.0	0.66	1.65	0.21	0.51	276
N500523		20.2	0.18	14.9	27.9	6.45	12.4	6.06	1	437	0.9	0.64	1.65	0.21	0.51	261
N500524		19.8	0.16	14.6	26.4	6.22	10.9	5.83	1	397	0.9	0.64	1.51	0.17	0.41	256
N500525		19.9	0.15	15.2	27.1	6.28	12.1	5.83	1	389	0.9	0.61	1.58	0.18	0.50	241
N500526		18.5	0.17	14.1	24.9	6.01	11.2	5.49	1	422	0.9	0.58	1.45	0.19	0.45	219
N500527		17.8	0.13	13.3	23.7	5.60	10.8	5.44	1	376	0.8	0.56	1.38	0.17	0.45	220
N500528		16.0	0.15	11.8	21.9	5.06	9.6	4.64	1	339	0.7	0.51	1.26	0.17	0.38	195
N500529		15.0	0.14	11.2	20.7	4.86	9.2	4.57	1	321	0.7	0.52	1.16	0.16	0.32	177
N500530																
N500531		14.0	0.12	10.7	20.4	4.57	8.9	4.55	1	261	0.6	0.51	1.14	0.15	0.35	184
N500532		12.5	0.10	9.2	19.1	4.32	7.6	4.28	1	219	0.6	0.47	0.97	0.15	0.29	182
N500533		12.5	0.08	10.1	15.0	3.62	9.1	2.92	1	94.7	0.6	0.31	1.04	0.08	0.31	99
N500534		11.5	0.09	9.1	14.4	3.51	7.8	2.93	<1	170.5	0.5	0.32	0.99	0.10	0.31	123
N500535		9.4	0.08	7.4	12.7	2.91	5.9	2.45	<1	207	0.4	0.29	0.72	0.08	0.24	142
N500536		9.8	0.09	7.5	13.9	3.20	5.7	3.10	<1	194.5	0.5	0.36	0.74	0.08	0.24	104
N500537		8.1	0.07	6.0	11.5	2.66	5.1	2.53	<1	187.5	0.4	0.30	0.59	0.09	0.21	101
N500538		8.8	0.08	6.7	12.3	2.82	5.3	2.53	1	145.0	0.4	0.31	0.77	0.10	0.28	104
N500539		11.2	0.09	9.3	15.4	3.51	7.8	3.43	1	143.5	0.5	0.37	1.05	0.08	0.32	135
N500540																

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14188875

Sample Description	Method / Analyte / Units / LOR	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.5	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 2	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.01	ME-ICP06 TiO2 % 0.01	ME-ICP06 MnO % 0.01	ME-ICP06 P2O5 % 0.01
N500501		<1	11.8	0.88	97	48.3	5.81	12.55	13.40	15.25	1.22	0.46	0.20	1.28	0.19	0.11
N500502		<1	11.8	0.84	96	48.0	5.95	13.00	13.25	15.15	1.22	0.48	0.19	1.33	0.19	0.11
N500503		<1	11.8	0.98	107	46.7	6.49	12.55	11.60	14.75	1.40	0.42	0.17	1.33	0.17	0.12
N500504		<1	13.6	1.12	109	46.6	7.45	12.45	11.55	14.10	1.55	0.39	0.17	1.42	0.17	0.14
N500505		<1	11.5	0.89	86	49.4	7.30	13.10	13.25	13.70	1.45	0.48	0.16	1.30	0.19	0.10
N500506		<1	11.9	0.89	91	47.4	7.20	12.20	13.20	12.60	1.61	0.38	0.13	1.43	0.18	0.11
N500507		<1	14.1	0.93	112	49.4	6.91	12.55	13.35	12.90	1.61	0.34	0.13	1.54	0.18	0.14
N500508		<1	14.0	1.18	133	48.4	7.26	12.75	12.85	12.05	1.89	0.41	0.13	1.63	0.18	0.15
N500509		1	14.7	1.13	147	48.6	8.51	12.20	12.10	10.95	2.34	0.51	0.13	1.57	0.18	0.18
N500510																
N500511		<1	14.8	1.10	221	48.4	8.27	12.25	11.95	11.00	2.31	0.37	0.13	1.55	0.18	0.18
N500512		1	15.1	1.15	163	49.5	8.25	13.35	12.10	11.35	2.32	0.51	0.14	1.72	0.19	0.19
N500513		<1	16.4	1.32	180	49.7	8.05	12.50	12.30	11.15	2.37	0.48	0.12	1.71	0.18	0.21
N500514		1	15.4	1.31	178	50.0	9.02	12.00	11.75	10.50	2.56	0.43	0.11	1.66	0.17	0.19
N500515		<1	14.7	1.20	152	49.1	8.59	12.75	12.20	10.65	2.36	0.57	0.10	1.72	0.18	0.17
N500516		<1	15.4	1.21	156	50.0	8.70	12.85	12.45	10.90	2.34	0.55	0.11	1.72	0.18	0.18
N500517		<1	14.6	1.14	151	48.3	8.48	12.35	11.50	10.45	2.25	0.53	0.10	1.63	0.17	0.17
N500518																
N500519		<1	16.1	1.28	165	49.7	8.69	12.90	12.15	10.55	2.41	0.54	0.11	1.80	0.19	0.21
N500520		1	15.9	1.38	158	49.4	9.38	12.35	11.65	11.30	2.43	0.49	0.10	1.73	0.17	0.18
N500521		<1	14.4	1.28	132	49.1	8.64	13.05	12.45	11.05	2.25	0.47	0.10	1.71	0.19	0.17
N500522		<1	15.4	1.24	156	49.2	7.97	12.70	12.10	11.20	2.10	0.50	0.11	1.63	0.18	0.16
N500523		<1	14.8	1.09	152	48.8	7.93	12.85	12.50	11.40	2.16	0.49	0.12	1.63	0.19	0.17
N500524		<1	14.7	1.20	141	48.1	7.58	12.75	12.55	11.80	2.05	0.43	0.13	1.56	0.18	0.15
N500525		1	14.2	1.18	145	48.0	7.32	12.95	11.80	12.75	1.94	0.46	0.15	1.54	0.18	0.16
N500526		<1	13.4	1.07	131	48.6	7.31	13.25	12.05	13.20	1.98	0.46	0.17	1.46	0.19	0.15
N500527		<1	12.7	1.13	124	49.5	7.10	13.30	12.55	14.15	1.84	0.44	0.18	1.42	0.19	0.14
N500528		<1	12.0	0.90	112	48.5	6.40	13.30	12.25	14.90	1.72	0.43	0.20	1.38	0.19	0.13
N500529		<1	11.2	0.90	107	48.7	6.13	13.10	12.35	15.85	1.61	0.43	0.22	1.31	0.19	0.13
N500530																
N500531		<1	11.3	0.91	102	48.3	5.70	12.40	12.95	16.15	1.35	0.37	0.23	1.25	0.19	0.11
N500532		<1	10.6	0.82	92	48.2	5.27	11.85	13.75	16.70	1.13	0.30	0.26	1.16	0.19	0.10
N500533		<1	7.2	0.57	92	41.4	3.93	16.90	5.97	22.0	0.47	0.26	0.22	0.94	0.25	0.11
N500534		<1	7.3	0.56	83	41.9	3.96	17.15	6.06	23.2	0.85	0.33	0.30	0.99	0.22	0.10
N500535		<1	6.4	0.53	66	40.6	4.22	17.70	5.74	23.4	0.85	0.27	0.41	1.02	0.22	0.08
N500536		<1	7.3	0.61	69	43.3	4.20	15.85	7.60	22.1	0.87	0.25	0.34	0.88	0.21	0.08
N500537		<1	6.3	0.50	59	43.1	3.94	15.50	8.28	22.2	0.77	0.22	0.33	0.83	0.21	0.07
N500538		<1	7.1	0.61	69	43.1	3.76	15.30	7.90	22.2	0.64	0.17	0.34	0.81	0.20	0.09
N500539		<1	8.0	0.65	85	42.4	3.93	15.90	7.87	21.7	0.68	0.27	0.32	0.96	0.21	0.10
N500540																

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14188875

Sample Description	Method / Analyte / Units / LOR	ME-ICP06 SrO % 0.01	ME-ICP06 BaO % 0.01	OA-GRA05 LOI % 0.01	TOT-ICP06 Total % 0.01	ME-4ACD81 Ag ppm 0.5	ME-4ACD81 As ppm 5	ME-4ACD81 Cd ppm 0.5	ME-4ACD81 Co ppm 1	ME-4ACD81 Cu ppm 1	ME-4ACD81 Li ppm 10	ME-4ACD81 Mo ppm 1	ME-4ACD81 Ni ppm 1	ME-4ACD81 Pb ppm 2	ME-4ACD81 Sc ppm 1	ME-4ACD81 Tl ppm 10
N500501		0.04	0.02	1.55	100.38	<0.5	<5	<0.5	77	176	20	<1	345	7	39	<10
N500502		0.04	0.02	1.55	100.48	<0.5	<5	<0.5	77	157	20	<1	324	5	37	<10
N500503		0.04	0.01	1.64	97.39	<0.5	<5	<0.5	77	122	10	<1	346	4	33	<10
N500504		0.04	0.01	3.10	99.14	<0.5	<5	<0.5	66	134	20	<1	293	7	33	10
N500505		0.05	0.01	1.45	101.94	<0.5	<5	<0.5	70	103	10	<1	262	3	37	<10
N500506		0.04	0.01	1.92	98.41	<0.5	<5	<0.5	64	79	10	<1	210	6	40	<10
N500507		0.04	0.01	1.61	100.71	<0.5	<5	<0.5	63	127	20	<1	209	5	41	<10
N500508		0.05	0.02	1.19	98.96	<0.5	<5	0.5	66	180	10	<1	209	7	41	<10
N500509		0.05	0.02	1.47	98.81	<0.5	<5	<0.5	60	151	10	<1	204	<2	33	<10
N500510						0.6	19	<0.5	122	1225	20	<1	1890	5	14	<10
N500511		0.05	0.02	1.34	98.00	<0.5	<5	<0.5	64	463	10	<1	228	5	35	<10
N500512		0.06	0.02	1.12	100.82	<0.5	<5	<0.5	65	194	10	<1	209	4	34	<10
N500513		0.05	0.02	0.98	99.82	<0.5	<5	<0.5	62	203	10	<1	204	6	36	<10
N500514		0.06	0.02	1.27	99.74	<0.5	<5	0.5	61	849	20	<1	270	10	33	<10
N500515		0.06	0.02	0.76	99.23	<0.5	<5	<0.5	61	110	10	<1	172	4	35	<10
N500516		0.06	0.02	0.93	100.99	<0.5	<5	<0.5	59	147	10	<1	178	3	34	10
N500517		0.06	0.02	0.97	96.98	<0.5	<5	<0.5	63	311	10	<1	199	3	34	<10
N500518						<0.5	<5	<0.5	25	25	10	<1	22	6	11	<10
N500519		0.05	0.02	0.82	100.14	<0.5	<5	<0.5	64	109	10	<1	187	6	36	<10
N500520		0.06	0.02	1.61	100.87	<0.5	<5	<0.5	60	126	20	<1	180	3	37	<10
N500521		0.05	0.02	1.51	100.76	<0.5	<5	<0.5	64	108	10	<1	183	3	37	<10
N500522		0.05	0.02	0.65	98.57	<0.5	<5	<0.5	67	116	10	<1	196	6	39	10
N500523		0.05	0.02	0.81	99.12	<0.5	<5	<0.5	65	105	10	<1	202	2	38	<10
N500524		0.05	0.02	0.85	98.20	<0.5	<5	<0.5	67	99	10	<1	217	3	37	<10
N500525		0.04	0.02	1.03	98.34	<0.5	<5	<0.5	71	100	10	<1	254	4	36	<10
N500526		0.05	0.02	0.42	99.31	<0.5	<5	<0.5	69	89	10	<1	265	3	33	<10
N500527		0.04	0.02	1.11	101.98	<0.5	<5	<0.5	71	94	10	<1	290	4	34	<10
N500528		0.04	0.02	0.50	99.96	<0.5	<5	<0.5	75	98	10	<1	329	5	34	<10
N500529		0.04	0.02	0.61	100.69	<0.5	<5	<0.5	77	132	10	<1	361	3	34	<10
N500530						0.5	16	<0.5	124	1270	20	<1	1960	9	14	10
N500531		0.03	0.01	1.21	100.25	<0.5	<5	<0.5	75	135	10	<1	365	<2	35	10
N500532		0.03	0.01	1.94	100.89	<0.5	<5	<0.5	71	260	10	<1	358	6	38	<10
N500533		0.01	<0.01	8.50	100.96	<0.5	<5	<0.5	138	140	20	<1	772	6	18	<10
N500534		0.02	0.01	6.55	101.64	<0.5	<5	<0.5	127	147	10	<1	716	<2	18	10
N500535		0.02	0.01	6.02	100.56	<0.5	<5	<0.5	131	272	10	<1	763	6	17	<10
N500536		0.02	0.01	5.09	100.80	<0.5	<5	<0.5	121	328	10	<1	699	2	23	<10
N500537		0.02	0.01	5.01	100.49	<0.5	<5	<0.5	128	398	10	<1	757	2	26	<10
N500538		0.01	0.01	5.77	100.30	1.2	6	1.0	134	2090	20	<1	1160	5	25	<10
N500539		0.02	0.01	5.33	99.70	2.2	<5	<0.5	140	3040	20	<1	1510	14	25	<10
N500540						1.9	<5	0.6	146	2840	20	<1	1570	11	26	<10

***** See Appendix Page for comments regarding this certificate *****

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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14188875

Sample Description	Method Analyte Units LOR	ME-4ACD81 Zn ppm 2	S-IR08 S % 0.01	OA-GRA08 S.G. Unity 0.01
N500501		87	0.08	3.17
N500502		84	0.06	
N500503		82	0.51	
N500504		82	0.35	
N500505		92	0.06	
N500506		80	0.24	3.16
N500507		78	0.30	
N500508		97	0.14	
N500509		88	0.09	
N500510		99		
N500511		109	0.43	
N500512		101	0.23	
N500513		112	0.13	
N500514		144	0.52	3.07
N500515		91	0.07	
N500516		97	0.12	
N500517		94	0.23	
N500518		61		
N500519		112	0.11	
N500520		122	0.16	
N500521		150	0.10	3.12
N500522		98	0.04	
N500523		96	0.07	
N500524		91	0.04	
N500525		91	0.06	
N500526		88	0.02	
N500527		87	0.02	
N500528		88	0.02	
N500529		86	0.02	
N500530		102		
N500531		82	0.03	
N500532		74	0.04	
N500533		98	0.08	
N500534		101	0.02	
N500535		107	0.06	2.99
N500536		96	0.23	
N500537		95	0.12	
N500538		515	0.93	
N500539		135	0.86	
N500540		135		

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14188875

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.5	ME-MS81 Cr ppm 10	ME-MS81 Cs ppm 0.01	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.03	ME-MS81 Ga ppm 0.1	ME-MS81 Gd ppm 0.05	ME-MS81 Hf ppm 0.2	ME-MS81 Ho ppm 0.01
N500541		2.59	0.023	0.166	0.100	53.7	18.6	2550	1.57	1.43	0.70	0.74	5.5	2.08	1.8	0.27
N500542		2.60	0.017	0.157	0.109	103.0	26.7	2080	2.11	1.71	0.91	0.87	7.2	2.73	2.3	0.33
N500543		2.51	0.007	0.237	0.129	33.6	15.4	2770	1.42	1.25	0.63	0.60	4.6	1.91	1.3	0.22
N500544		2.44	0.057	0.550	0.426	18.1	8.7	2880	1.46	0.96	0.37	0.43	3.6	1.33	0.9	0.19
N500545		2.51	0.032	0.249	0.206	30.7	13.7	2240	1.77	1.22	0.57	0.56	5.3	2.05	1.2	0.22
N500546		2.49	0.025	0.303	0.213	38.2	13.6	2640	2.23	1.32	0.59	0.70	5.8	1.90	1.3	0.25
N500547		2.43	0.021	0.187	0.070	34.7	11.4	2770	1.14	1.26	0.52	0.52	3.9	1.77	1.1	0.21
N500548		1.89	0.021	0.052	0.029	26.6	16.0	2400	2.45	1.40	0.59	0.61	5.4	1.94	1.5	0.25
N500549		2.43	0.017	0.080	0.050	22.8	11.6	2480	1.68	1.37	0.56	0.67	4.8	1.67	1.1	0.21
N500550		0.07	0.166	1.800	0.824											
N500551		2.62	0.009	0.075	0.051	15.1	8.8	2440	0.81	1.13	0.55	0.55	4.1	1.93	0.9	0.21
N500552		2.82	0.034	0.685	0.266	21.1	9.9	2830	0.82	1.21	0.56	0.56	4.0	1.67	1.0	0.22
N500553		2.73	0.030	0.233	0.137	22.6	8.3	2670	0.92	1.13	0.44	0.52	3.7	1.68	0.7	0.20
N500554		2.73	0.045	0.779	0.518	19.7	11.7	2390	1.26	1.39	0.62	0.61	4.7	1.90	1.1	0.25
N500555		2.56	0.075	1.065	0.670	38.6	17.4	2340	1.37	1.83	0.73	0.85	6.0	2.57	1.4	0.30
N500556		2.64	0.074	0.722	0.393	31.4	19.5	2210	1.17	1.98	0.82	0.90	6.3	2.74	1.6	0.36
N500557		2.65	0.057	0.658	0.428	45.4	22.7	1880	1.09	2.14	1.06	0.97	6.6	3.01	2.0	0.37
N500558		2.70	0.093	1.290	0.703	29.4	19.7	1970	1.38	2.10	0.92	0.98	6.4	2.82	1.7	0.34
N500559		2.69	0.059	0.830	0.466	33.5	21.7	1820	1.65	2.41	1.08	1.08	7.1	3.32	2.0	0.41
N500560		2.89	0.101	1.510	0.918	42.0	18.0	2060	1.52	2.28	0.96	1.02	6.8	2.99	1.7	0.38
N500561		2.91	0.092	1.970	1.515	50.2	17.5	2010	1.47	2.39	1.08	0.95	7.0	3.29	1.9	0.42
N500562		1.16	0.165	2.29	1.305											
N500563		1.62	0.140	2.33	1.280	124.0	29.6	1280	3.92	3.11	1.45	1.29	10.5	4.41	2.8	0.54
N500564		0.70	<0.001	0.011	0.008											
N500565		2.68	0.138	2.12	1.210	177.0	43.2	1490	3.88	3.42	1.63	1.52	12.7	4.74	3.8	0.58
N500566		2.38	0.146	1.925	1.010	158.0	33.9	1820	3.61	2.84	1.42	1.39	11.1	4.06	2.9	0.57
N500567		2.74	0.016	0.116	0.071	512	66.0	270	3.29	2.74	1.39	1.30	18.7	3.66	4.2	0.49
N500568		2.38	0.001	0.047	0.026	466	61.8	950	1.77	2.77	1.39	1.11	17.3	3.84	3.9	0.47
N500569		1.07	0.002	0.024	0.010	472	66.6	220	2.41	2.55	1.42	1.34	17.9	3.74	3.9	0.48
N500570		0.06	0.168	1.840	0.833											
N500571		1.14	0.068	1.195	0.909	299	62.1	180	1.70	2.78	1.46	1.11	19.4	3.64	3.7	0.49
N500572		2.29	0.029	0.223	0.130											
N500573		2.28	0.001	<0.005	0.002											
N500574		2.31	<0.001	<0.005	0.002											
N500575		2.21	<0.001	<0.005	0.001											
N500576		2.45	<0.001	<0.005	0.001											
N500577		2.34	<0.001	<0.005	0.001	342	69.9	220	0.97	2.92	1.69	1.25	21.5	3.99	4.6	0.55
N500578		2.30	<0.001	<0.005	0.002											
N500579		2.33	<0.001	<0.005	0.001											
N500580		<0.02	<0.001	<0.005	0.001											

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ALS Canada Ltd.
2103 Dollarton Hwy
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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14188875

Sample Description	Method / Analyte / Units / LOR	ME-MS81 La ppm 0.5	ME-MS81 Lu ppm 0.01	ME-MS81 Nb ppm 0.2	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.03	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tm ppm 0.01	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5
N500541		7.9	0.08	6.2	11.2	2.57	6.4	2.60	1	133.0	0.3	0.30	0.63	0.09	0.21	119
N500542		11.4	0.11	8.7	15.5	3.67	10.6	3.27	1	180.5	0.5	0.36	0.95	0.11	0.26	163
N500543		6.4	0.05	4.4	9.9	2.17	4.6	2.19	<1	96.6	0.2	0.27	0.45	0.07	0.12	113
N500544		3.3	0.04	2.5	6.3	1.28	2.8	1.54	<1	75.6	0.1	0.20	0.20	0.05	0.06	98
N500545		5.5	0.05	4.1	8.9	1.94	4.0	2.09	1	121.0	0.2	0.26	0.32	0.08	0.10	124
N500546		5.4	0.05	4.5	9.1	1.96	4.3	2.15	1	131.5	0.2	0.26	0.38	0.08	0.09	171
N500547		4.3	0.07	3.2	8.0	1.68	4.1	1.87	<1	107.0	0.1	0.25	0.33	0.06	0.10	114
N500548		7.1	0.08	4.0	9.9	2.11	5.5	1.99	<1	84.8	0.2	0.23	1.22	0.06	0.39	111
N500549		5.0	0.06	3.3	8.3	1.75	3.7	2.13	<1	66.9	0.2	0.24	0.61	0.06	0.21	116
N500550																
N500551		3.1	0.06	2.1	7.3	1.41	1.8	1.65	<1	81.1	0.1	0.24	0.16	0.06	0.06	128
N500552		3.8	0.06	2.4	7.3	1.54	2.3	1.78	<1	74.2	0.1	0.25	0.33	0.05	0.07	118
N500553		2.9	0.04	1.9	6.6	1.29	2.6	1.64	<1	64.3	0.1	0.21	0.15	0.06	0.15	122
N500554		4.7	0.06	3.1	8.6	1.82	3.2	1.91	<1	80.3	0.1	0.26	0.33	0.06	0.09	155
N500555		6.8	0.07	5.2	12.0	2.45	4.6	2.88	1	113.5	0.2	0.34	0.50	0.10	0.17	180
N500556		7.5	0.08	7.6	13.8	2.84	3.8	2.96	1	102.0	0.3	0.37	0.54	0.10	0.15	163
N500557		8.9	0.10	7.3	14.6	3.21	3.9	3.43	1	106.5	0.4	0.40	0.73	0.12	0.20	170
N500558		7.6	0.10	5.6	13.7	2.85	4.8	3.20	1	89.4	0.3	0.39	0.52	0.11	0.17	174
N500559		8.5	0.09	6.1	14.9	3.11	6.1	3.56	1	87.2	0.3	0.39	0.73	0.13	0.23	190
N500560		6.9	0.10	5.1	13.5	2.68	6.0	3.35	1	118.0	0.2	0.43	0.42	0.12	0.14	197
N500561		6.6	0.11	4.2	13.6	2.80	6.9	3.50	1	95.9	0.2	0.47	0.76	0.12	0.22	202
N500562																
N500563		11.8	0.13	7.9	20.5	4.30	19.0	4.83	1	222	0.5	0.57	1.53	0.16	0.49	287
N500564																
N500565		18.2	0.16	12.1	26.2	5.82	20.7	5.59	1	339	0.7	0.66	2.24	0.17	0.60	252
N500566		13.9	0.15	9.0	21.8	4.85	19.5	4.60	1	259	0.5	0.58	2.24	0.17	0.66	210
N500567		32.9	0.19	6.3	29.2	7.56	38.5	4.61	1	540	0.4	0.48	8.00	0.21	2.39	128
N500568		29.8	0.20	6.9	27.5	7.20	32.3	4.86	1	470	0.4	0.47	8.44	0.20	2.37	113
N500569		34.9	0.20	6.6	28.9	7.58	36.8	5.19	1	447	0.4	0.51	8.37	0.20	2.19	109
N500570																
N500571		29.9	0.19	9.0	28.7	7.49	27.1	4.86	1	339	0.9	0.51	8.22	0.19	1.99	113
N500572																
N500573																
N500574																
N500575																
N500576																
N500577		34.4	0.23	8.2	30.9	8.19	29.6	5.30	1	412	0.5	0.49	10.30	0.22	2.50	134
N500578																
N500579																
N500580																

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14188875

Sample Description	Method / Analyte / Units / LOR	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.5	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 2	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.01	ME-ICP06 TiO2 % 0.01	ME-ICP06 MnO % 0.01	ME-ICP06 P2O5 % 0.01
N500541		<1	6.4	0.52	66	42.1	3.18	14.15	7.81	23.7	0.50	0.21	0.35	0.77	0.20	0.06
N500542		<1	8.1	0.67	80	42.1	4.23	15.15	7.51	22.2	0.66	0.35	0.29	1.00	0.20	0.10
N500543		<1	5.9	0.44	39	42.9	2.49	13.70	9.30	23.8	0.40	0.15	0.38	0.65	0.20	0.05
N500544		<1	4.3	0.39	26	42.5	1.90	13.80	9.22	25.0	0.29	0.07	0.40	0.52	0.19	0.03
N500545		<1	5.5	0.44	36	42.9	2.84	14.30	9.71	23.2	0.44	0.12	0.31	0.74	0.20	0.04
N500546		<1	5.5	0.47	38	41.7	3.00	15.85	8.41	23.0	0.44	0.13	0.36	0.94	0.20	0.05
N500547		<1	5.3	0.55	35	44.1	2.37	13.55	10.90	23.1	0.36	0.12	0.39	0.64	0.19	0.04
N500548		<1	6.1	0.49	51	45.8	3.31	12.25	10.25	21.8	0.75	0.14	0.33	0.58	0.22	0.04
N500549		<1	5.6	0.44	33	43.5	2.58	12.45	10.70	22.3	0.34	0.10	0.34	0.59	0.23	0.03
N500550																
N500551		<1	5.2	0.44	21	43.8	2.01	12.75	12.05	22.2	0.31	0.06	0.33	0.60	0.18	0.02
N500552		<1	5.0	0.41	25	43.6	2.03	13.65	11.10	23.0	0.33	0.08	0.39	0.57	0.19	0.03
N500553		<1	4.9	0.42	17	44.7	1.83	13.30	12.25	22.7	0.26	0.07	0.37	0.57	0.18	0.02
N500554		<1	5.8	0.40	31	43.3	2.50	15.30	11.00	22.1	0.34	0.09	0.33	0.73	0.20	0.03
N500555		<1	7.3	0.56	49	44.0	3.35	14.85	11.95	19.75	0.49	0.14	0.32	0.95	0.19	0.05
N500556		<1	8.4	0.67	47	46.1	3.46	12.25	13.90	19.00	0.51	0.13	0.31	0.97	0.18	0.06
N500557		<1	8.9	0.67	63	46.8	4.15	11.70	13.90	18.05	0.75	0.12	0.26	1.05	0.18	0.07
N500558		<1	9.1	0.77	51	46.2	3.65	12.85	13.50	18.10	0.53	0.14	0.27	0.96	0.19	0.06
N500559		<1	9.7	0.78	63	46.8	4.11	13.20	13.80	17.80	0.60	0.17	0.25	1.07	0.21	0.07
N500560		1	9.2	0.73	52	46.2	3.70	14.60	13.45	18.35	0.58	0.18	0.29	1.06	0.19	0.06
N500561		<1	9.9	0.73	58	46.1	3.84	14.55	13.70	17.40	0.59	0.18	0.27	1.09	0.18	0.06
N500562																
N500563		1	13.0	1.02	93	45.2	6.16	16.60	10.90	14.55	1.01	0.45	0.17	1.69	0.20	0.13
N500564																
N500565		1	14.5	1.16	134	45.0	7.64	15.85	10.15	13.15	1.39	0.53	0.20	1.82	0.18	0.15
N500566		<1	13.0	1.09	87	47.9	6.50	14.55	9.53	15.15	1.19	0.55	0.25	1.54	0.19	0.12
N500567		2	13.4	1.34	159	62.0	14.95	7.43	3.96	4.25	3.83	1.34	0.04	0.65	0.13	0.17
N500568		1	13.2	1.38	142	64.1	14.85	6.19	4.01	3.42	4.33	1.23	0.13	0.58	0.12	0.17
N500569		1	13.5	1.35	149	62.5	15.00	6.36	4.12	3.49	4.42	1.28	0.03	0.60	0.12	0.16
N500570																
N500571		1	13.4	1.19	140	59.5	14.55	7.93	5.26	3.64	4.85	1.01	0.02	0.56	0.13	0.17
N500572																
N500573																
N500574																
N500575																
N500576																
N500577		1	14.9	1.62	170	58.8	15.80	7.10	3.45	4.16	5.40	1.10	0.03	0.68	0.12	0.19
N500578																
N500579																
N500580																

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14188875

Sample Description	Method / Analyte / Units / LOR	ME-ICP06 SrO % 0.01	ME-ICP06 BaO % 0.01	OA-GRA05 LOI % 0.01	TOT-ICP06 Total % 0.01	ME-4ACD81 Ag ppm 0.5	ME-4ACD81 As ppm 5	ME-4ACD81 Cd ppm 0.5	ME-4ACD81 Co ppm 1	ME-4ACD81 Cu ppm 1	ME-4ACD81 Li ppm 10	ME-4ACD81 Mo ppm 1	ME-4ACD81 Ni ppm 1	ME-4ACD81 Pb ppm 2	ME-4ACD81 Sc ppm 1	ME-4ACD81 Tl ppm 10
N500541		0.01	0.01	6.37	99.42	<0.5	<5	<0.5	127	637	10	<1	846	3	26	<10
N500542		0.02	0.01	5.45	99.27	0.7	<5	<0.5	134	982	20	<1	914	8	25	<10
N500543		0.01	<0.01	5.95	99.98	<0.5	<5	<0.5	124	423	10	<1	726	6	30	10
N500544		0.01	<0.01	6.32	100.25	0.9	<5	<0.5	123	1130	10	<1	888	7	30	<10
N500545		0.01	<0.01	5.82	100.63	1.2	<5	1.2	123	812	20	<1	775	9	30	10
N500546		0.02	<0.01	5.88	99.98	<0.5	5	<0.5	137	583	10	<1	815	8	29	<10
N500547		0.01	<0.01	4.53	100.30	<0.5	<5	0.9	113	289	<10	<1	686	4	32	<10
N500548		0.01	<0.01	5.32	100.80	<0.5	<5	0.7	102	314	10	<1	619	2	30	<10
N500549		0.01	<0.01	6.26	99.43	0.5	<5	0.9	102	461	10	<1	638	<2	32	<10
N500550						<0.5	<5	<0.5	97	820	<10	<1	1820	12	23	<10
N500551		0.01	<0.01	4.73	99.05	<0.5	<5	0.9	110	520	<10	<1	649	2	37	<10
N500552		0.01	<0.01	4.81	99.79	<0.5	<5	0.9	123	802	<10	<1	777	3	33	<10
N500553		0.01	<0.01	4.16	100.42	0.5	<5	0.7	114	870	<10	<1	758	<2	36	<10
N500554		0.01	<0.01	3.89	99.82	1.1	<5	0.9	137	2100	<10	<1	1150	5	33	<10
N500555		0.01	<0.01	3.41	99.46	1.5	<5	1.0	128	2540	10	<1	1130	3	36	<10
N500556		0.01	<0.01	2.19	99.07	1.3	<5	1.0	94	1725	10	<1	779	<2	39	10
N500557		0.01	0.01	2.29	99.34	1.4	<5	1.3	85	1820	10	<1	717	5	39	10
N500558		0.01	<0.01	2.59	99.05	1.3	<5	1.1	109	2610	20	1	983	4	41	<10
N500559		0.01	<0.01	2.39	100.48	1.2	<5	1.6	98	1605	20	<1	722	3	41	10
N500560		0.01	<0.01	1.70	100.37	1.7	<5	0.7	112	2800	10	<1	1060	4	39	<10
N500561		0.01	0.01	2.09	100.07	1.8	<5	1.1	131	4000	20	<1	1750	2	39	10
N500562						4.0	<5	1.4	121	5700	30	<1	1890	8	37	<10
N500563		0.03	0.01	2.17	99.27	2.6	<5	1.4	131	4360	20	<1	1580	7	35	10
N500564						<0.5	<5	<0.5	28	60	20	<1	37	9	13	<10
N500565		0.04	0.02	1.95	98.07	2.5	5	0.5	131	4710	30	<1	1880	10	31	<10
N500566		0.03	0.02	1.64	99.16	2.5	<5	0.7	118	3920	30	<1	1570	14	31	<10
N500567		0.06	0.06	2.93	101.80	<0.5	<5	<0.5	30	385	60	<1	144	16	16	<10
N500568		0.05	0.05	2.71	101.94	<0.5	<5	<0.5	19	254	50	<1	119	24	14	<10
N500569		0.05	0.05	2.71	100.89	<0.5	<5	<0.5	25	166	50	<1	84	14	14	<10
N500570						<0.5	7	<0.5	99	873	10	<1	1930	15	24	<10
N500571		0.04	0.03	2.92	100.61	2.2	<5	0.8	65	2290	50	<1	1440	95	13	10
N500572						<0.5	<5	<0.5	18	601	60	<1	125	35	14	<10
N500573						<0.5	<5	<0.5	26	101	50	<1	84	6	13	<10
N500574						<0.5	<5	<0.5	21	53	40	<1	72	7	13	<10
N500575						<0.5	<5	<0.5	18	66	40	1	61	4	12	<10
N500576						<0.5	<5	<0.5	20	42	40	<1	64	7	13	<10
N500577		0.05	0.04	3.34	100.26	<0.5	<5	<0.5	25	83	50	<1	86	3	14	<10
N500578						<0.5	<5	<0.5	12	52	30	<1	71	8	14	<10
N500579						<0.5	<5	<0.5	19	66	40	<1	69	14	13	<10
N500580						<0.5	<5	<0.5	20	65	40	<1	69	9	13	<10

***** See Appendix Page for comments regarding this certificate *****

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14188875

Sample Description	Method Analyte Units LOR	ME-4ACD81 Zn ppm 2	S-IR08 S % 0.01	OA-GRA08 S.G. Unity 0.01
N500541		104	0.40	2.95
N500542		98	0.31	
N500543		109	0.45	
N500544		104	0.57	
N500545		431	1.23	
N500546		93	0.28	3.02
N500547		126	0.53	
N500548		168	0.22	
N500549		142	0.42	
N500550		82		
N500551		77	0.44	
N500552		74	0.35	
N500553		70	0.28	
N500554		79	0.66	3.13
N500555		92	0.97	
N500556		112	0.77	
N500557		112	0.88	
N500558		126	1.21	
N500559		216	0.87	
N500560		72	0.87	
N500561		70	1.47	3.25
N500562		110		
N500563		106	1.13	
N500564		66		
N500565		113	1.29	
N500566		111	1.04	
N500567		67	0.26	
N500568		64	0.17	2.75
N500569		35	0.18	
N500570		89		
N500571		487	0.89	
N500572		196		
N500573		47		
N500574		47		
N500575		46		
N500576		59		
N500577		53	0.24	2.70
N500578		338		
N500579		44		
N500580		44		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14188875

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.5	ME-MS81 Cr ppm 10	ME-MS81 Cs ppm 0.01	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.03	ME-MS81 Ga ppm 0.1	ME-MS81 Gd ppm 0.05	ME-MS81 Hf ppm 0.2	ME-MS81 Ho ppm 0.01
N500581		2.20	0.001	<0.005	0.002											
N500582		2.38	<0.001	<0.005	0.001											
N500583		2.35	<0.001	<0.005	0.002	445	77.3	180	2.35	2.93	1.47	1.31	18.5	3.81	4.6	0.56
N500584		2.50	<0.001	<0.005	0.001											
N500585		2.31	0.001	<0.005	0.001											
N500586		2.35	<0.001	<0.005	0.002											
N500587		2.50	<0.001	<0.005	0.001											
N500588		2.34	<0.001	<0.005	0.001	810	84.7	170	4.48	2.94	1.61	1.42	19.2	4.46	4.9	0.59
N500589		2.43	<0.001	<0.005	0.002											
N500590		0.07	0.039	0.183	0.354											
N500591		2.36	<0.001	<0.005	0.002											
N500592		2.42	<0.001	<0.005	0.003											
N500593		2.36	0.001	<0.005	0.002											
N500594		2.27	<0.001	<0.005	0.001	505	59.3	180	4.70	2.76	1.65	1.10	20.3	3.84	3.8	0.54
N500595		2.29	0.003	<0.005	0.020											
N500596		2.39	<0.001	<0.005	0.002											
N500597		2.52	<0.001	<0.005	0.002											
N500598		1.01	<0.001	<0.005	<0.001											

***** See Appendix Page for comments regarding this certificate *****

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North Vancouver BC V7H 0A7
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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14188875

Sample Description	Method Analyte Units LOR	ME-MS81 La ppm 0.5	ME-MS81 Lu ppm 0.01	ME-MS81 Nb ppm 0.2	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.03	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tm ppm 0.01	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5
N500581 N500582 N500583 N500584 N500585		39.6	0.21	8.1	31.5	8.72	60.3	5.40	1	539	0.5	0.49	10.95	0.20	2.79	108
N500586 N500587 N500588 N500589 N500590		44.0	0.22	9.5	34.6	9.35	100.0	5.70	1	551	0.5	0.51	12.35	0.21	3.52	115
N500591 N500592 N500593 N500594 N500595		29.4	0.24	6.7	25.9	6.72	73.7	4.56	1	523	0.4	0.48	7.17	0.24	1.99	132
N500596 N500597 N500598																

***** See Appendix Page for comments regarding this certificate *****

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14188875

Sample Description	Method Analyte Units LOR	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.5	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 2	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.01	ME-ICP06 TiO2 % 0.01	ME-ICP06 MnO % 0.01	ME-ICP06 P2O5 % 0.01
N500581 N500582 N500583 N500584 N500585		1	14.5	1.59	182	64.7	14.80	6.49	3.88	3.04	3.88	1.72	0.02	0.57	0.07	0.16
N500586 N500587 N500588 N500589 N500590		1	15.1	1.51	190	64.1	15.80	6.64	3.21	3.09	3.08	3.06	0.02	0.62	0.08	0.16
N500591 N500592 N500593 N500594 N500595		1	14.7	1.59	132	63.5	16.20	6.99	2.21	3.01	4.82	2.28	0.02	0.63	0.09	0.17
N500596 N500597 N500598																

***** See Appendix Page for comments regarding this certificate *****

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14188875

Sample Description	Method / Analyte / Units / LOR	ME-ICP06 SrO % 0.01	ME-ICP06 BaO % 0.01	OA-GRA05 LOI % 0.01	TOT-ICP06 Total % 0.01	ME-4ACD81 Ag ppm 0.5	ME-4ACD81 As ppm 5	ME-4ACD81 Cd ppm 0.5	ME-4ACD81 Co ppm 1	ME-4ACD81 Cu ppm 1	ME-4ACD81 Li ppm 10	ME-4ACD81 Mo ppm 1	ME-4ACD81 Ni ppm 1	ME-4ACD81 Pb ppm 2	ME-4ACD81 Sc ppm 1	ME-4ACD81 Tl ppm 10
N500581						<0.5	<5	<0.5	18	83	30	<1	71	8	12	<10
N500582						<0.5	<5	<0.5	20	66	30	<1	64	12	12	<10
N500583		0.06	0.05	2.42	101.86	<0.5	<5	<0.5	19	61	30	<1	65	13	12	<10
N500584						<0.5	<5	<0.5	19	56	30	<1	65	20	13	<10
N500585						<0.5	<5	<0.5	20	61	40	<1	68	17	13	<10
N500586						<0.5	<5	<0.5	22	55	40	<1	67	22	13	<10
N500587						<0.5	<5	<0.5	19	53	40	1	62	14	12	<10
N500588		0.06	0.09	1.81	101.82	<0.5	<5	<0.5	22	60	40	<1	69	17	13	<10
N500589						<0.5	<5	<0.5	25	47	40	1	81	15	15	<10
N500590						<0.5	10	0.6	126	1250	20	1	1980	3	14	<10
N500591						<0.5	<5	<0.5	22	63	40	<1	71	15	14	<10
N500592						<0.5	<5	<0.5	24	53	40	1	68	10	13	<10
N500593						<0.5	<5	<0.5	24	120	50	<1	72	13	15	<10
N500594		0.06	0.06	1.60	101.64	<0.5	<5	<0.5	26	47	40	<1	82	12	17	<10
N500595						<0.5	<5	<0.5	18	92	30	<1	56	22	12	<10
N500596						<0.5	<5	<0.5	29	66	40	2	94	13	19	<10
N500597						<0.5	<5	<0.5	22	72	30	1	76	15	14	<10
N500598						<0.5	<5	<0.5	29	52	10	<1	27	12	10	<10

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14188875

Sample Description	Method Analyte Units LOR	ME-4ACD81 Zn ppm 2	S-IR08 S % 0.01	OA-GRA08 S.G. Unity 0.01
N500581		48		
N500582		49		
N500583		51	0.27	2.76
N500584		59		
N500585		61		
N500586		64		
N500587		68		
N500588		63	0.28	2.79
N500589		42		
N500590		102		
N500591		69		
N500592		75		
N500593		79		
N500594		49	0.27	2.74
N500595		123		
N500596		49		
N500597		65		
N500598		79		

***** See Appendix Page for comments regarding this certificate *****

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14188875

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 1160 Commerce Street, Thunder Bay, ON, Canada.

Applies to Method:

CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	OA-GRA08	PUL-31	PUL-QC
SPL-21	SPL-34	WEI-21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:

ME-4ACD81	ME-ICP06	ME-MS81	OA-GRA05
PGM-ICP23	S-IR08	TOT-ICP06	

ALS Canada Ltd.
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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 31-DEC-2014
Account: TRAMET

CERTIFICATE TB14192155

Project: 34

This report is for 139 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 15-DEC-2014.

The following have access to data associated with this certificate:

GREG COLLINS SCOTT MCLEAN	STEVE FLANK GRANT MOURRE	PETER MCINTYRE TRAMET/HTXMIN WEBTRIEVE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES

To: TRANSITION METALS CORP.
ATTN: STEVE FLANK
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 31-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14192155

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	ME-ICP61 Ni ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Co ppm 1	ME-ICP61 Ag ppm 0.5
N500599		2.19	0.001	<0.005	0.003	91	57	29	<0.5
N500600		2.06	<0.001	<0.005	0.003	95	62	26	<0.5
N500601		2.13	<0.001	<0.005	0.003	85	185	23	<0.5
N500602		2.05	0.001	<0.005	0.003	84	81	26	<0.5
N500603		1.99	0.001	<0.005	0.002	93	60	24	<0.5
N500604		2.19	<0.001	<0.005	0.002	86	13	25	<0.5
N500605		2.15	<0.001	<0.005	0.002	78	24	23	<0.5
N500606		2.06	<0.001	<0.005	0.003	66	29	22	<0.5
N500607		1.97	<0.001	0.005	0.005	47	50	22	<0.5
N500608		2.11	<0.001	<0.005	<0.001	<1	12	15	<0.5
N500609		2.14	<0.001	<0.005	0.001	<1	5	17	<0.5
N500610		0.07	0.034	0.178	0.347	1965	1310	129	<0.5
N500611		2.17	<0.001	<0.005	0.001	2	8	19	<0.5
N500612		2.25	<0.001	<0.005	<0.001	<1	4	17	<0.5
N500613		2.25	<0.001	<0.005	<0.001	<1	7	23	<0.5
N500614		2.12	<0.001	<0.005	<0.001	<1	2	20	<0.5
N500615		3.44	0.001	<0.005	<0.001	<1	73	29	<0.5
N500616		3.49	<0.001	<0.005	<0.001	<1	47	38	<0.5
N500617		3.40	<0.001	<0.005	<0.001	<1	2	35	<0.5
N500618		3.38	<0.001	<0.005	0.001	1	48	34	<0.5
N500619		3.52	<0.001	<0.005	0.001	19	192	41	<0.5
N500620		0.81	<0.001	<0.005	0.001	23	29	26	<0.5
N500621		3.57	<0.001	<0.005	0.001	2	69	32	<0.5
N500622		3.45	<0.001	<0.005	<0.001	<1	20	28	<0.5
N500623		3.30	<0.001	<0.005	0.001	<1	19	22	<0.5
N500624		3.27	<0.001	<0.005	<0.001	<1	15	15	<0.5
N500625		3.28	<0.001	<0.005	<0.001	<1	14	14	<0.5
N500626		3.29	<0.001	<0.005	0.001	<1	25	12	<0.5
N500627		3.36	<0.001	<0.005	<0.001	<1	14	13	<0.5
N500628		3.15	<0.001	<0.005	<0.001	<1	10	10	<0.5
N500629		3.17	<0.001	<0.005	0.001	<1	9	10	<0.5
N500630		0.06	0.035	0.173	0.339	2100	1400	138	0.7
N500631		2.88	<0.001	<0.005	0.001	3	8	12	<0.5
N500632		2.70	<0.001	<0.005	0.001	<1	1	26	<0.5
N500633		3.24	<0.001	<0.005	<0.001	<1	9	21	<0.5
N500634		3.11	<0.001	<0.005	0.001	<1	14	32	<0.5
N500635		3.47	<0.001	<0.005	0.001	<1	18	38	<0.5
N500636		2.37	<0.001	<0.005	0.001	<1	24	51	<0.5
N500637		2.26	<0.001	<0.005	<0.001	3	16	27	<0.5
N500638		2.11	<0.001	<0.005	<0.001	5	21	36	<0.5

***** See Appendix Page for comments regarding this certificate *****

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 31-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14192155

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	ME-ICP61 Ni ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Co ppm 1	ME-ICP61 Ag ppm 0.5
N500639		2.29	<0.001	<0.005	<0.001	1	32	48	<0.5
N500640		<0.02	<0.001	<0.005	<0.001	3	30	51	<0.5
N500641		2.33	<0.001	<0.005	<0.001	3	16	46	<0.5
N500642		2.21	<0.001	<0.005	<0.001	3	25	41	<0.5
N500643		2.02	<0.001	<0.005	<0.001	1	23	45	<0.5
N500644		2.36	<0.001	<0.005	<0.001	1	27	49	<0.5
N500645		2.27	<0.001	<0.005	<0.001	1	23	37	<0.5
N500646		2.31	<0.001	<0.005	<0.001	2	21	38	<0.5
N500647		2.32	<0.001	<0.005	<0.001	1	19	37	<0.5
N500648		2.37	<0.001	<0.005	<0.001	1	22	49	<0.5
N500649		3.43	<0.001	<0.005	<0.001	1	32	40	<0.5
N500650		0.06	0.031	0.170	0.329	1895	1260	122	<0.5
N500651		3.51	<0.001	<0.005	<0.001	5	53	51	<0.5
N500652		3.59	<0.001	<0.005	<0.001	9	68	54	<0.5
N500653		3.50	<0.001	<0.005	<0.001	15	238	59	<0.5
N500654		3.44	<0.001	<0.005	<0.001	37	423	63	<0.5
N500655		3.64	<0.001	<0.005	<0.001	65	524	67	<0.5
N500656		3.72	<0.001	<0.005	<0.001	122	698	82	<0.5
N500657		3.67	0.003	<0.005	<0.001	145	770	67	<0.5
N500658		3.38	0.004	<0.005	<0.001	89	263	41	<0.5
N500659		3.40	0.016	<0.005	<0.001	116	308	47	<0.5
N500660		0.99	0.001	<0.005	<0.001	27	27	25	<0.5
N500661		2.34	0.025	0.145	0.012	124	287	43	<0.5
N500662		2.34	0.038	0.168	0.017	124	300	42	<0.5
N500663		2.40	0.046	0.320	0.045	118	351	41	<0.5
N500664		2.31	0.032	0.191	0.024	128	307	42	<0.5
N500665		2.25	0.019	0.200	0.032	144	283	46	<0.5
N500666		2.59	0.029	0.337	0.140	190	202	57	<0.5
N500667		2.30	0.034	0.387	0.272	213	191	67	<0.5
N500668		2.44	0.004	0.338	0.246	256	141	71	<0.5
N500669		2.60	0.001	0.288	0.168	235	122	67	<0.5
N500670		0.07	0.031	0.169	0.329	1920	1285	123	0.5
N500671		2.54	0.002	0.256	0.144	208	82	60	<0.5
N500672		2.46	0.001	0.157	0.122	169	70	54	<0.5
N500673		2.50	0.002	0.089	0.095	167	54	56	<0.5
N500674		2.49	0.001	0.096	0.099	181	76	58	<0.5
N500675		2.59	0.001	0.144	0.100	194	80	62	<0.5
N500676		2.41	0.001	0.053	0.069	195	79	59	<0.5
N500677		2.33	0.001	0.032	0.021	198	86	60	<0.5
N500678		2.38	0.001	0.021	0.015	225	83	65	<0.5

***** See Appendix Page for comments regarding this certificate *****

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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 31-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14192155

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	ME-ICP61 Ni ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Co ppm 1	ME-ICP61 Ag ppm 0.5
N500679		2.47	<0.001	0.013	0.011	195	56	61	<0.5
N500680		<0.02	0.001	0.014	0.012	194	57	61	<0.5
N500681		2.24	0.002	0.028	0.028	182	83	59	<0.5
N500682		2.41	0.001	0.015	0.015	216	90	64	<0.5
N500683		2.39	0.001	0.013	0.011	233	86	67	<0.5
N500684		2.44	<0.001	0.013	0.009	246	92	68	<0.5
N500685		3.63	<0.001	0.009	0.004	271	104	73	<0.5
N500686		4.01	0.001	0.029	0.012	259	103	71	<0.5
N500687		3.86	0.002	0.015	0.008	309	112	77	<0.5
N500688		3.78	<0.001	0.012	0.005	341	89	82	<0.5
N500689		4.10	0.002	0.019	0.008	348	72	82	<0.5
N500690		0.07	0.036	0.182	0.344	2030	1340	133	<0.5
N500691		3.59	<0.001	0.011	0.004	346	82	84	<0.5
N500692		3.99	0.001	0.008	0.003	364	72	86	<0.5
N500693		3.96	0.001	0.012	0.004	396	71	91	<0.5
N500694		3.77	<0.001	0.008	0.004	401	62	89	<0.5
N500695		3.70	<0.001	0.016	0.004	409	52	91	<0.5
N500696		3.71	0.001	0.020	0.008	422	64	92	<0.5
N500697		3.43	<0.001	0.006	0.005	414	60	92	<0.5
N500698		3.68	<0.001	0.008	0.002	401	53	90	<0.5
N500699		3.79	0.001	0.017	0.007	383	52	86	<0.5
N500700		0.61	<0.001	<0.005	<0.001	27	26	28	<0.5
N500701		3.77	0.001	0.013	0.004	382	58	88	<0.5
N500702		3.84	<0.001	0.012	0.003	393	51	86	<0.5
N500703		3.81	0.001	0.012	0.003	355	69	78	<0.5
N500704		3.27	<0.001	0.016	0.005	397	64	84	<0.5
N500705		3.39	<0.001	0.015	0.011	401	65	83	<0.5
N500706		3.65	<0.001	0.011	0.005	455	69	89	<0.5
N500707		3.59	0.002	0.022	0.010	625	94	115	<0.5
N500708		3.71	<0.001	0.017	0.008	604	83	107	<0.5
N500709		3.62	0.001	0.025	0.011	736	88	124	<0.5
N500710		0.06	0.036	0.171	0.334	1980	1300	127	<0.5
N500711		3.72	<0.001	0.030	0.010	783	87	132	<0.5
N500712		3.63	0.001	0.030	0.016	758	82	129	<0.5
N500713		3.61	0.002	0.018	0.010	680	82	114	<0.5
N500714		3.77	0.003	0.038	0.028	757	96	128	<0.5
N500715		3.69	<0.001	0.028	0.010	756	81	125	<0.5
N500716		3.56	0.001	0.027	0.018	738	90	123	<0.5
N500717		3.63	<0.001	0.023	0.007	813	86	136	<0.5
N500718		3.50	0.002	0.042	0.044	835	91	137	<0.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 31-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14192155

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	ME-ICP61 Ni ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Co ppm 1	ME-ICP61 Ag ppm 0.5
N500719		3.52	<0.001	0.023	0.010	785	87	130	<0.5
N500720		<0.02	<0.001	0.023	0.011	790	88	131	<0.5
N500721		3.59	0.001	0.037	0.022	796	92	131	<0.5
N500722		3.31	<0.001	0.032	0.018	809	90	132	<0.5
N500723		4.31	0.001	0.039	0.026	794	100	131	<0.5
N500724		2.84	<0.001	0.030	0.012	744	97	123	<0.5
N500725		3.66	0.001	0.038	0.031	766	113	130	<0.5
N500726		3.76	<0.001	0.028	0.016	710	99	122	<0.5
N500727		3.74	<0.001	0.033	0.016	614	96	109	<0.5
N500728		3.44	<0.001	0.031	0.017	594	126	104	<0.5
N500729		3.89	0.005	0.058	0.042	602	251	101	<0.5
N500730		0.07	0.032	0.171	0.340	1900	1220	122	<0.5
N500731		3.77	0.003	0.042	0.036	550	174	103	<0.5
N500732		3.85	0.003	0.033	0.019	497	123	96	<0.5
N500733		3.47	0.001	0.018	0.008	427	89	88	<0.5
N500734		2.51	0.001	0.022	0.012	449	110	91	<0.5
N500735		2.36	<0.001	0.019	0.013	449	104	92	<0.5
N500736		2.49	0.002	0.021	0.013	434	137	91	<0.5
N500737		2.59	0.007	0.058	0.058	393	312	80	<0.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 31-DEC-2014
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14192155

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 1160 Commerce Street, Thunder Bay, ON, Canada.

Applies to Method:

CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-QC	SPL-21
SPL-34	WEI-21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:

ME-ICP61	PGM-ICP23

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 15-JAN-2015
Account: TRAMET

CERTIFICATE TB14197987

Project: 34

This report is for 97 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 23-DEC-2014.

The following have access to data associated with this certificate:

GREG COLLINS SCOTT MCLEAN	STEVE FLANK GRANT MOURRE	PETER MCINTYRE TRAMET/HTXMIN WEBTRIEVE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES

To: TRANSITION METALS CORP.
ATTN: STEVE FLANK
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 15-JAN-2015
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14197987

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	ME-ICP61 Ag ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Ni ppm 1
N500738		2.13	<0.001	<0.005	0.002	<0.5	25	52	87
N500739		2.02	<0.001	<0.005	0.003	<0.5	31	26	91
N500740		1.85	0.008	<0.005	0.001	<0.5	23	54	85
N500741		2.49	0.001	<0.005	0.002	<0.5	26	56	95
N500742		2.09	0.001	0.010	0.007	<0.5	23	67	49
N500743		2.37	0.001	0.013	0.010	<0.5	23	74	47
N500744		1.97	0.012	<0.005	0.003	<0.5	5	56	7
N500745		1.40	<0.001	<0.005	0.002	<0.5	3	11	5
N500746		0.89	<0.001	0.009	0.007	<0.5	13	11	18
N500747		1.62	<0.001	0.007	0.004	<0.5	6	15	11
N500748		2.38	<0.001	0.011	0.007	<0.5	17	54	28
N500749		2.37	0.001	<0.005	0.003	<0.5	11	25	15
N500750		0.06	0.034	0.186	0.362	<0.5	128	1290	1970
N500751		1.98	<0.001	<0.005	0.002	<0.5	9	21	14
N500752		2.62	<0.001	<0.005	<0.001	<0.5	2	6	2
N500753		1.78	<0.001	0.005	0.003	<0.5	17	67	29
N500754		2.27	<0.001	0.007	0.004	<0.5	23	50	48
N500755		2.19	<0.001	0.008	0.007	<0.5	22	43	53
N500756		2.23	<0.001	0.005	0.004	<0.5	17	45	33
N500757		2.20	<0.001	<0.005	0.003	<0.5	19	71	31
N500758		3.18	<0.001	0.005	0.003	<0.5	18	36	35
N500759		3.37	<0.001	0.006	0.004	<0.5	21	52	35
N500760		0.66	<0.001	<0.005	0.001	<0.5	27	36	25
N500761		3.15	<0.001	0.007	0.005	<0.5	22	83	43
N500762		3.38	<0.001	0.009	0.006	<0.5	14	47	22
N500763		3.06	<0.001	0.012	0.008	<0.5	17	91	29
N500764		3.16	0.001	0.007	0.005	<0.5	20	70	35
N500765		3.17	<0.001	0.007	0.006	<0.5	20	107	35
N500766		3.48	<0.001	0.006	0.005	<0.5	19	70	32
N500767		3.23	<0.001	0.010	0.007	<0.5	19	42	37
N500768		3.41	<0.001	0.008	0.006	<0.5	18	43	38
N500769		3.20	<0.001	<0.005	0.003	<0.5	18	91	36
N500770		0.06	0.042	0.174	0.341	<0.5	125	1300	1920
N500771		3.38	<0.001	0.005	0.005	<0.5	20	146	40
N500772		3.29	<0.001	0.006	0.003	<0.5	17	62	42
N500773		3.22	<0.001	0.007	0.005	<0.5	20	102	41
N500774		3.22	<0.001	0.007	0.006	<0.5	17	51	31
N500775		3.41	<0.001	0.006	0.005	<0.5	16	49	30
N500776		3.18	<0.001	0.020	0.013	<0.5	16	89	31
N500777		3.11	<0.001	0.006	0.004	<0.5	18	6	27

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 15-JAN-2015
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14197987

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	ME-ICP61 Ag ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Ni ppm 1
N500778		3.68	0.001	0.021	0.016	<0.5	19	102	43
N500779		2.08	0.001	0.028	0.025	<0.5	21	109	56
N500780		<0.02	0.001	0.031	0.025	<0.5	21	114	58
N500781		2.30	0.004	0.113	0.101	<0.5	28	128	153
N500782		1.94	0.001	0.036	0.034	<0.5	26	122	50
N500783		2.56	0.001	<0.005	0.001	<0.5	36	35	10
N500784		2.23	0.002	<0.005	<0.001	<0.5	45	105	33
N500785		2.25	0.001	<0.005	<0.001	<0.5	49	29	31
N500786		3.54	0.001	0.007	0.002	<0.5	39	165	33
N500787		3.43	<0.001	<0.005	0.001	<0.5	38	153	27
N500788		3.56	<0.001	<0.005	<0.001	<0.5	36	81	12
N500789		3.62	<0.001	<0.005	<0.001	<0.5	38	105	13
N500790		0.06	0.036	0.182	0.345	<0.5	122	1245	1925
N500791		3.73	0.004	0.017	0.003	<0.5	45	267	49
N500792		3.68	0.006	0.027	0.006	<0.5	47	256	65
N500793		3.27	0.004	0.016	0.003	<0.5	43	314	52
N500794		3.53	0.003	0.020	0.007	<0.5	44	263	55
N500795		3.70	0.003	0.022	0.010	<0.5	48	246	63
N500796		2.13	0.006	0.029	0.015	<0.5	44	160	72
N500797		2.31	0.004	0.029	0.018	<0.5	42	209	67
N500798		2.24	0.006	0.025	0.010	<0.5	50	248	80
N500799		2.42	0.003	0.022	0.014	<0.5	58	257	93
N500800		0.67	<0.001	<0.005	<0.001	<0.5	26	15	25
J591300		2.59	0.001	0.019	0.006	<0.5	63	124	194
J591301		2.57	0.005	0.029	0.018	<0.5	67	161	225
J591302		2.32	0.002	0.017	0.009	<0.5	68	142	235
J591303		2.48	0.002	0.018	0.007	<0.5	72	148	244
J591304		2.29	0.002	0.025	0.010	<0.5	73	140	259
J591305		2.53	0.002	0.024	0.013	<0.5	72	149	273
J591306		2.97	0.001	0.014	0.004	<0.5	69	142	273
J591307		2.58	0.001	0.021	0.008	<0.5	70	121	274
J591308		2.55	0.005	0.050	0.029	<0.5	70	163	286
J591309		0.06	0.175	1.825	0.850	<0.5	95	828	1790
J591310		2.51	0.004	0.032	0.020	<0.5	71	216	289
J591311		2.63	0.001	0.024	0.012	<0.5	69	230	250
J591312		2.20	0.002	0.036	0.022	<0.5	66	181	219
J591313		1.90	0.006	0.084	0.057	<0.5	73	223	371
J591314		1.73	0.011	0.083	0.056	<0.5	70	695	331
J591315		2.01	0.001	0.044	0.021	<0.5	69	166	250
J591316		2.34	0.014	0.178	0.127	<0.5	90	1310	410

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 15-JAN-2015
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14197987

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	ME-ICP61 Ag ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Ni ppm 1
J591317		2.49	0.003	0.026	0.013	<0.5	73	377	231
J591318		2.52	0.004	0.042	0.029	<0.5	72	355	221
J591319		<0.02	0.004	0.045	0.033	<0.5	67	336	212
J591320		2.38	0.002	0.030	0.020	<0.5	65	222	187
J591321		2.32	0.002	0.027	0.014	<0.5	63	167	186
J591322		2.35	0.017	0.049	0.029	<0.5	62	212	199
J591323		2.41	0.009	0.063	0.025	<0.5	64	380	219
J591324		2.43	0.006	0.040	0.022	<0.5	64	375	175
J591325		2.30	0.004	0.024	0.026	<0.5	64	263	142
J591326		1.77	0.004	0.055	0.049	<0.5	62	431	242
J591327		0.61	0.012	0.098	0.057	<0.5	73	191	372
J591328		1.28	0.001	0.058	0.030	<0.5	57	263	216
J591329		0.06	0.181	1.930	0.870	<0.5	96	830	1855
J591330		1.88	<0.001	<0.005	<0.001	<0.5	2	4	3
J591331		1.94	<0.001	<0.005	<0.001	<0.5	1	2	1
J591332		1.98	<0.001	<0.005	<0.001	<0.5	1	3	3
J591333		1.74	<0.001	<0.005	<0.001	<0.5	<1	2	2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 15-JAN-2015
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB14197987

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 1160 Commerce Street, Thunder Bay, ON, Canada.

Applies to Method:

CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-QC	SPL-21
SPL-34	WEI-21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:

ME-ICP61	PGM-ICP23

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 27-JAN-2015
Account: TRAMET

CERTIFICATE TB15007928

Project: 34

This report is for 40 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 19-JAN-2015.

The following have access to data associated with this certificate:

GREG COLLINS SCOTT MCLEAN	STEVE FLANK GRANT MOURRE	PETER MCINTYRE TRAMET/HTXMIN WEBTRIEVE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES

To: TRANSITION METALS CORP.
ATTN: STEVE FLANK
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 27-JAN-2015
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB15007928

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	ME-ICP61 Ag ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Ni ppm 1
J591334		3.34	0.016	0.117	0.011	<0.5	40	163	104
J591335		3.61	0.013	0.254	0.094	<0.5	46	131	142
J591336		3.51	0.018	0.290	0.150	<0.5	53	166	182
J591337		3.90	0.002	0.082	0.096	<0.5	56	77	174
J591338		3.69	0.002	0.027	0.045	<0.5	59	113	178
J591339		3.68	0.003	0.018	0.044	<0.5	57	134	171
J591340		0.06	0.039	0.182	0.346	<0.5	121	1200	1785
J591341		3.71	0.002	0.019	0.023	<0.5	67	110	239
J591342		3.82	0.001	0.015	0.008	<0.5	78	99	290
J591343		3.91	0.004	0.018	0.006	<0.5	75	77	273
J591344		3.72	0.002	0.018	0.013	<0.5	75	109	279
J591345		3.82	0.001	0.016	0.005	<0.5	78	61	289
J591346		3.60	0.002	0.028	0.009	<0.5	83	53	299
J591347		3.72	0.003	0.022	0.009	<0.5	86	69	317
J591348		3.67	0.002	0.034	0.012	<0.5	91	78	404
J591349		3.71	0.003	0.042	0.029	<0.5	102	135	535
J591350		0.72	0.001	<0.005	0.001	<0.5	25	30	25
J591351		3.52	0.002	0.035	0.017	<0.5	107	100	570
J591352		3.66	0.003	0.054	0.048	<0.5	111	105	603
J591353		3.38	0.007	0.053	0.038	<0.5	111	166	607
J591354		3.82	0.002	0.025	0.010	<0.5	111	100	578
J591355		3.26	0.004	0.045	0.029	<0.5	105	126	546
J591356		3.57	0.002	0.024	0.015	<0.5	101	91	513
J591357		4.05	0.002	0.036	0.026	<0.5	93	99	485
J591358		3.67	0.002	0.024	0.025	<0.5	96	113	474
J591359		3.54	0.001	0.021	0.014	<0.5	93	90	438
J591360		0.06	0.036	0.184	0.354	<0.5	128	1265	1890
J591361		3.74	0.002	0.013	0.006	<0.5	72	96	273
J591362		3.65	0.005	0.014	0.006	<0.5	70	110	232
J591363		3.46	0.002	0.020	0.005	<0.5	72	100	231
J591364		3.93	0.002	0.029	0.005	<0.5	69	86	208
J591365		3.83	0.002	0.020	0.005	<0.5	69	106	220
J591366		4.18	0.003	0.022	0.022	<0.5	62	95	219
J591367		3.97	0.002	0.023	0.007	<0.5	66	110	208
J591368		3.72	0.004	0.027	0.011	<0.5	67	132	204
J591369		3.89	0.002	0.022	0.019	<0.5	67	195	215
J591370		<0.02	0.003	0.026	0.031	<0.5	68	216	218
J591371		3.68	0.002	0.024	0.006	<0.5	66	116	191
J591372		2.63	0.002	0.019	0.003	<0.5	64	125	195
J591373		2.40	0.001	0.026	0.005	<0.5	68	103	188

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 27-JAN-2015
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB15007928

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 1160 Commerce Street, Thunder Bay, ON, Canada.

Applies to Method:

CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-QC	SPL-21
SPL-34	WEI-21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:

ME-ICP61	PGM-ICP23

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 22-JAN-2015
Account: TRAMET

CERTIFICATE TB15008170

Project: 34

This report is for 46 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 17-JAN-2015.

The following have access to data associated with this certificate:

GREG COLLINS SCOTT MCLEAN	STEVE FLANK GRANT MOURRE	PETER MCINTYRE TRAMET/HTXMIN WEBTRIEVE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES

To: TRANSITION METALS CORP.
ATTN: STEVE FLANK
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 22-JAN-2015
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB15008170

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	ME-ICP61 Ag ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Ni ppm 1
J591374		2.48	0.023	0.014	0.005	<0.5	67	81	207
J591375		2.58	0.002	0.010	0.003	<0.5	67	55	214
J591376		2.46	0.001	0.013	0.006	<0.5	69	84	224
J591377		2.26	<0.001	0.007	0.004	<0.5	69	69	234
J591378		2.57	0.020	0.018	0.075	<0.5	73	206	268
J591379		1.66	0.009	0.068	0.113	<0.5	74	394	288
J591380		2.39	0.014	0.128	0.113	<0.5	126	680	683
J591381		2.21	0.080	1.190	0.730	0.7	130	1510	935
J591382		0.06	0.110	1.145	0.520	<0.5	91	804	1740
J591383		2.45	0.111	1.520	0.889	1.4	122	2500	1215
J591384		2.39	0.132	1.605	0.897	1.9	140	3130	1505
J591385		2.33	0.142	2.20	1.360	3.2	132	5190	1785
J591386		2.59	0.116	2.07	1.310	2.5	124	4730	1635
J591387		2.32	0.201	4.03	2.37	3.8	147	6480	2170
J591388		1.82	0.083	1.290	0.802	1.4	114	2380	1115
J591389		2.36	0.078	0.994	0.566	0.9	120	2080	1070
J591390		0.95	<0.001	0.007	0.004	<0.5	25	45	27
J591391		1.94	0.062	0.742	0.477	1.6	115	2300	1055
J591392		2.29	0.013	0.131	0.089	0.8	69	876	498
J591393		2.42	0.005	0.048	0.029	<0.5	68	582	444
J591394		2.24	0.042	0.635	0.364	0.9	103	1695	815
J591395		2.44	0.013	0.134	0.088	<0.5	83	796	563
J591396		2.61	0.072	1.130	0.699	1.7	128	3120	1240
J591397		2.45	0.086	1.290	0.797	2.6	149	4020	1555
J591398		2.59	0.034	0.481	0.287	1.0	122	1390	836
J591399		2.52	0.045	0.628	0.373	1.7	103	2200	879
J591400		0.07	0.182	1.920	0.883	<0.5	95	836	1805
J591401		2.49	0.056	0.827	0.512	1.9	124	2950	1095
J591402		2.37	0.013	0.141	0.094	0.7	88	878	509
J591403		2.43	0.009	0.056	0.033	0.7	74	767	482
J591404		1.24	0.019	0.277	0.169	0.8	98	870	513
J591405		2.28	0.004	0.040	0.024	<0.5	66	375	295
J591406		2.15	0.021	0.309	0.187	0.7	74	844	461
J591407		2.20	0.008	0.084	0.050	0.5	59	499	303
J591408		2.37	0.009	0.223	0.160	0.5	67	531	520
J591409		2.24	0.001	<0.005	0.007	<0.5	66	231	326
J591410		<0.02	0.001	0.005	0.007	<0.5	67	236	322
J591411		2.37	0.001	<0.005	0.005	<0.5	51	136	239
J591412		2.17	0.001	<0.005	0.004	<0.5	43	107	188
J591413		2.27	<0.001	<0.005	0.006	<0.5	53	177	246

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 22-JAN-2015
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB15008170

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	ME-ICP61 Ag ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Ni ppm 1
J591414		2.45	0.008	0.086	0.056	0.6	44	516	218
J591415		2.43	0.002	0.038	0.030	<0.5	40	179	184
J591416		2.34	<0.001	<0.005	0.004	<0.5	36	91	163
J591417		2.18	<0.001	<0.005	0.002	<0.5	29	46	104
J591418		2.05	<0.001	<0.005	0.002	<0.5	34	7	81
J591419		0.06	0.171	1.890	0.882	0.5	88	792	1690

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 22-JAN-2015
Account: TRAMET

Project: 34

CERTIFICATE OF ANALYSIS TB15008170

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 1160 Commerce Street, Thunder Bay, ON, Canada.

Applies to Method:

CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-QC	SPL-21
SPL-34	WEI-21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:

ME-ICP61	PGM-ICP23