We are committed to providing accessible customer service.
If you need accessible formats or communications supports, please contact us.

Nous tenons à améliorer l’accessibilité des services à la clientèle.
Si vous avez besoin de formats accessibles ou d’aide à la communication, veuillez nous contacter.

Impala Canada
Lac des Iles Mines Ltd.

2018 Exploration Assessment Report on the Southwest Roby Project

Lac Des Iles Property

Lease # 107911 (CLM 252)

Prepared by:

Claire McGuinness, G.I.T

Denis Decharte, P. Eng

David Benson, P. Geo

Thunder Bay, Ontario

April 29, 2020

Contents

Introduction

Impala Canada and its wholly owned predecessor, Lac des Iles Mines Ltd. (LDIM) completed four diamond drillholes totalling 2300.4 meters on the Southwest Roby Project from November 8th, 2018 to December 4th, 2018.

The purpose of this program was to add additional resources by infilling a gap in drilling below the Offset Fault and the Upper Offset 2 gram/tonne Palladium (Pd) Grade Shell.

Major Drilling based from Winnipeg, Manitoba was the sole drill contractor and supplied one drill rig for the completion of this program. The drill rig operated for 28 days.

This report is submitted to satisfy assessment work requirements. A total expenditure of $398,870.45 is submitted for assessment. Activities documented herein include:

- 2300.4 meters in four diamond drillholes
- 2,397 samples submitted for assay

Land Tenure, Location, and Access

The Lac Des Iles Mine is located approximately 90 km north of Thunder Bay in Northwestern Ontario (Figure 1.) The project is part of the Thunder Bay Mining District on provincial grid 52H04H. To access the claim block from Thunder Bay, head north approximately 90 kilometers on Hwy 527 to the Lac Des Iles Mine Access Road. The access road is fifteen kilometers in length and leads to a manned security entrance. The drill rig was located on the south side of the Roby Pit Area. The area is accessible by a gravel road along the perimeter of the pit. (Figure 2)

This report, submitted to obtain assessment work credit, details the results of diamond drilling on mining lease CLM 252 (lease #107911). Lac des Iles Mines Ltd. holds the mining and surface rights for CLM252 under a 21 year lease with an expiry date of August 31st, 2027. Leases and Claims held by Impala Canada are shown in Figure 3 and Table 1.

Table 1: Impala Canada Mining Leases at Lac des Iles.

Claim No.	Parcel	Area (ha)	Lease No.	Due Date	Annual Taxes ($)	Comments
CLM251	2982L TB	235	107910	2027-Aug-31	705	Surface and Mining Rights
CLM252	2983L TB	341.4	107911	2027-Aug-31	1,024	Surface and Mining Rights
CLM253	2985L TB	395.7	107909	2027-Aug-31	1,187	Surface and Mining Rights
CLM254	2984L TB	497.4	107908	2027-Aug-31	1,492	Mining Rights Only
CLM430	2531L TB	348.4	108139	2027-Sep-30	1,045	Surface and Mining Rights
CLM431	2532L TB	1,695.30	108138	2027-Sep-30	5,086	Surface and Mining Rights
Total	**6**	**3,513.20**	-	-	**10,539**	-

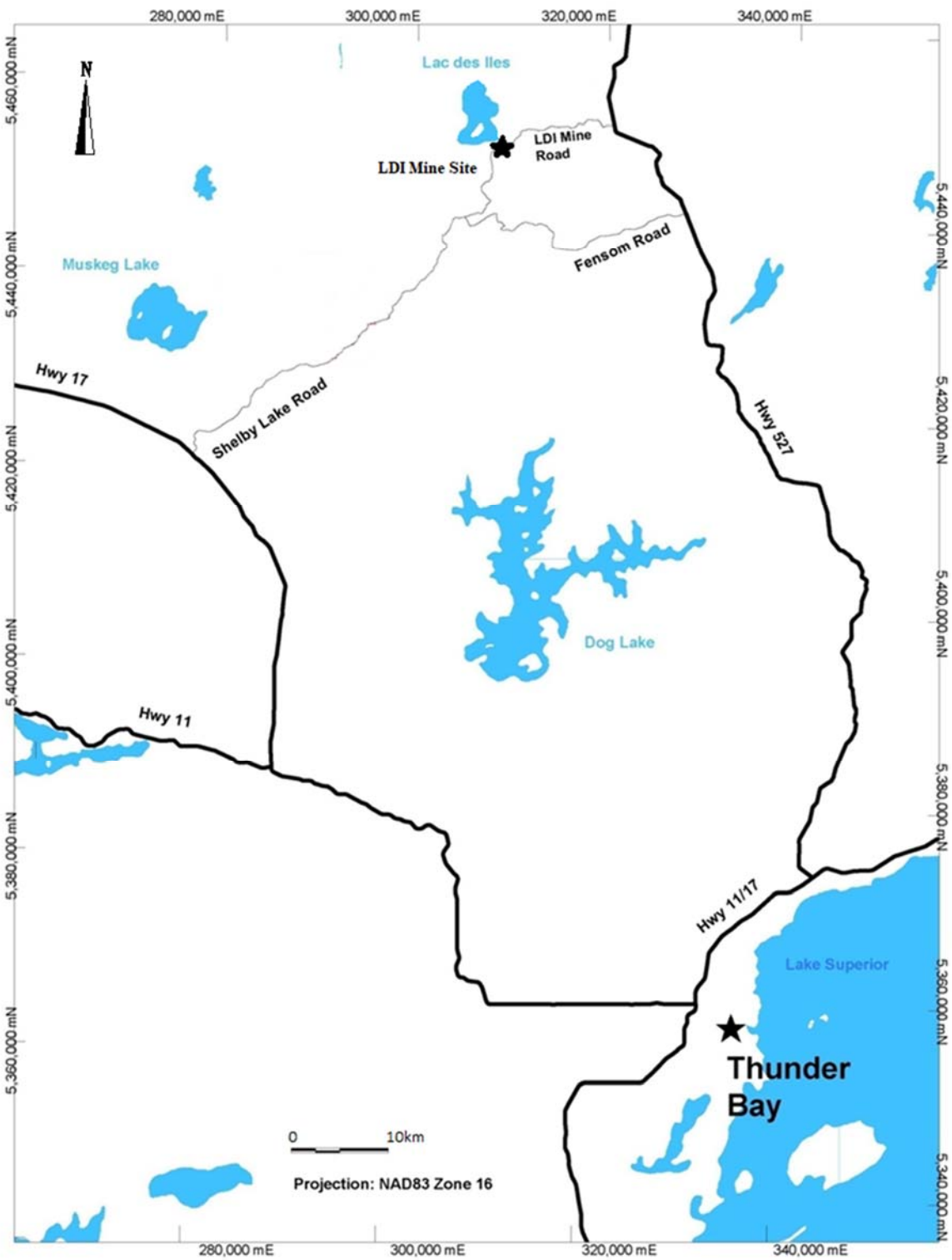


Figure 1: LDI mine property location map.

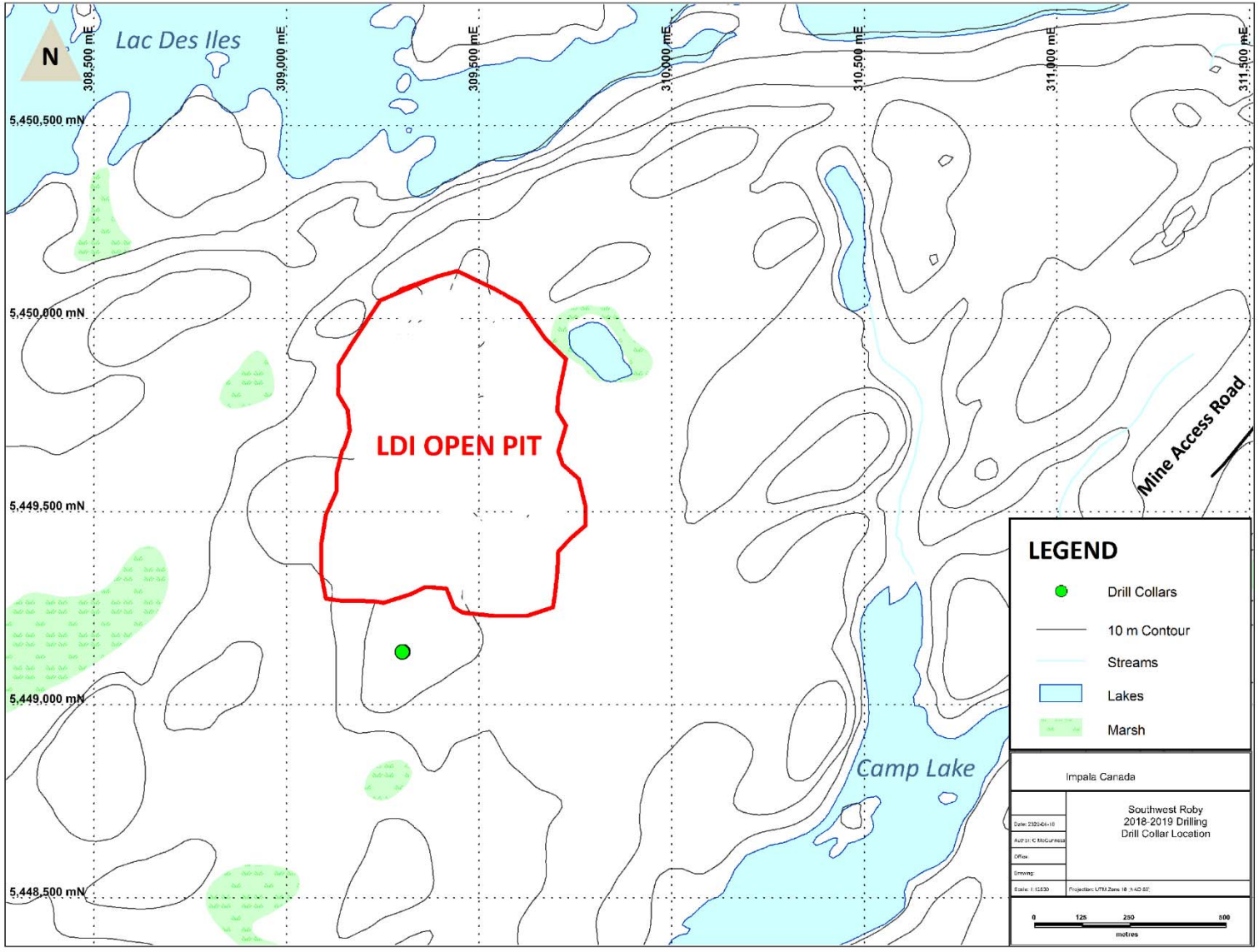


Figure 2: Drill Collar area location map (1:12,5000 Scale, NAD83/Zone16)

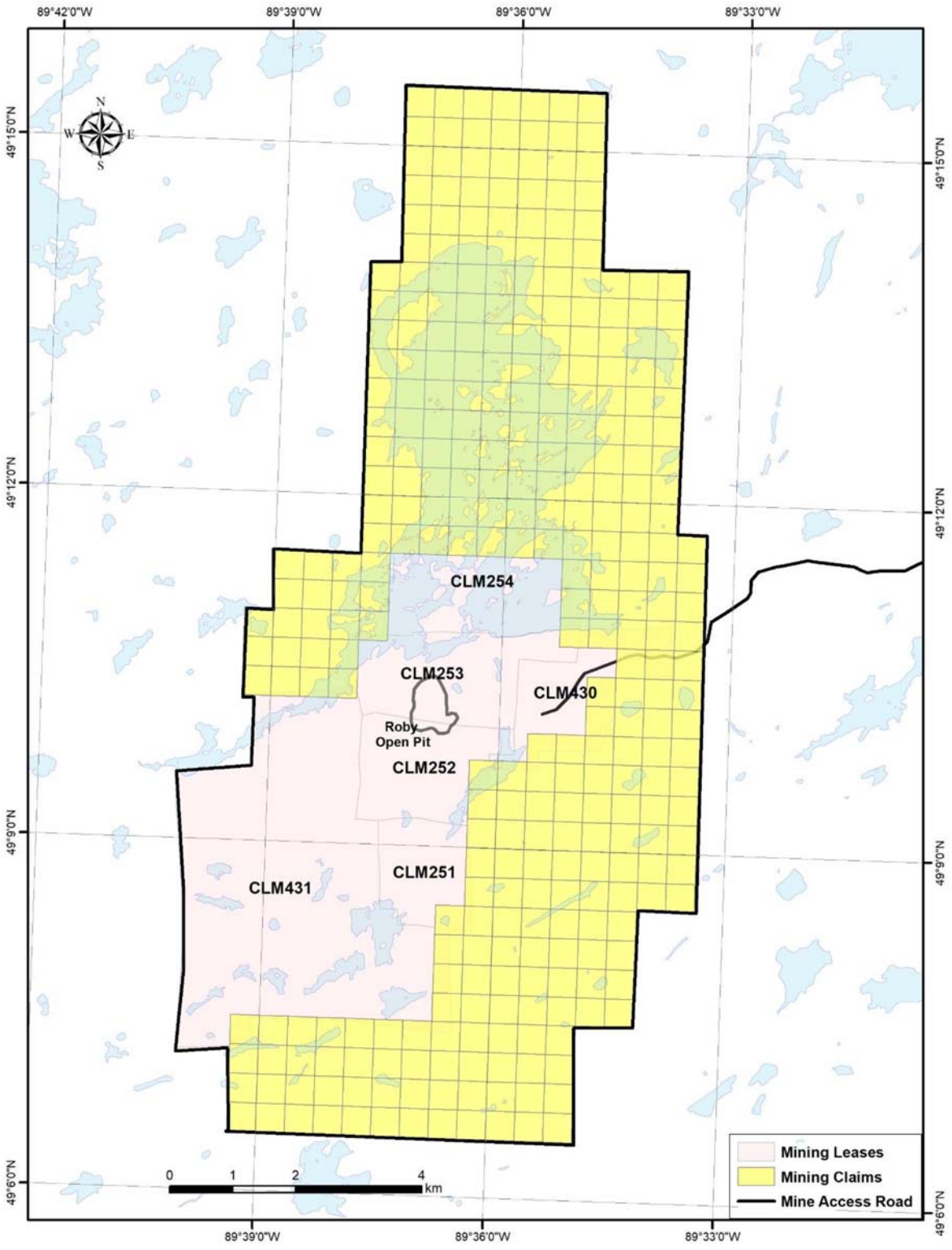


Figure 3: Land tenure of the property (from Decharte et al. 2018)

Regional Geology

Much of the information presented in this section is sourced from the Open File Report OFR6120 Project Unit 95-014; *Regional Geology of the Lac des Iles Area* (Stone et al. 2003). Information presented here was also sourced from *NI 43-101 Technical Report: Feasibility Study Incorporating the Life of Mine Plan for Lac des Iles Mine, Thunder Bay, Ontario, Canada* (Buss et al. 2017). Additional sources are referenced where appropriate.

The Lac Des Iles mine is located in the eastern part of the Central Wabigoon subprovince of the Archean Superior Structural Province. It is part of the Lac des Iles Suite of Neoarchean mafic to ultra-mafic intrusions that occur within an approximately 42 kilometer diameter circular perimeter comprising the Lac des Iles intrusions, the Tib Lake intrusion, the Buck Lake intrusion, the Wakinoo/Demars intrusion, the Bullseye intrusion, the Chisamore Intrusion, Shelby River Intrusion and the Dog River intrusion (see Figure 4). The intrusions are located immediately to the north of the Quetico Subprovince and directly west of the Nipigon embayment of the Mid-continent Rift System. These intrude a series of tonalite and tonalite gneiss, with some biotite granodiorite, granite, and sanukitoid rocks in the immediate area. The Quetico terrain boundary runs SW-NE immediately to the south of these intrusions. (Stone, D. 2010)

The easternmost bodies of the Lac des Iles suite of intrusions are the LDI Igneous Complex (LDI-IC) and the Legris Lake complex. Both the LDI-IC and the Legris Lake complex appear to have been emplaced along northeast-trending splay structures (e.g., Shelby Lake fault) emanating from the Quetico Fault Zone (*see* Figure 4). The Quetico Fault Zone is a collisional structural boundary between the Quetico and Wabigoon subprovinces that formed during the Shebandowanian orogeny at approximately 2695 Ma (Corfu and Stott 1986). Similarly, many of the Lac des Iles suite intrusions located in the western part of the Lac des Iles area are spatially associated with northeast- to north-striking faults that splay off this collisional boundary.

The intrusions range in size from 1 to 10 km and vary compositionally from leucogabbro and gabbronorite with rare anorthosite to peridotite and pyroxenite. The intrusions crosscut most rock types except for biotite granite dikes and Proterozoic-aged intrusions. Archean rocks are observed to be intruded by Proterozoic-aged (~1100 Ma) diabase dikes and sills of the Nipigon Sill Complex of the Mid-Continent Rift (MCR). They are typically medium grained, massive, and dark grey weathering brown and locally pyroxene phyric.

Uranium-lead age determinations for zircons contained in the mafic rocks show that the Lac des Iles suite intrusions were likely emplaced between 2699 and 2686 Ma (Stone and Davis 2006). This age overlaps with regional sanukitoid magmatism in both the Wabigoon Terrane and the Quetico Subprovince.

.

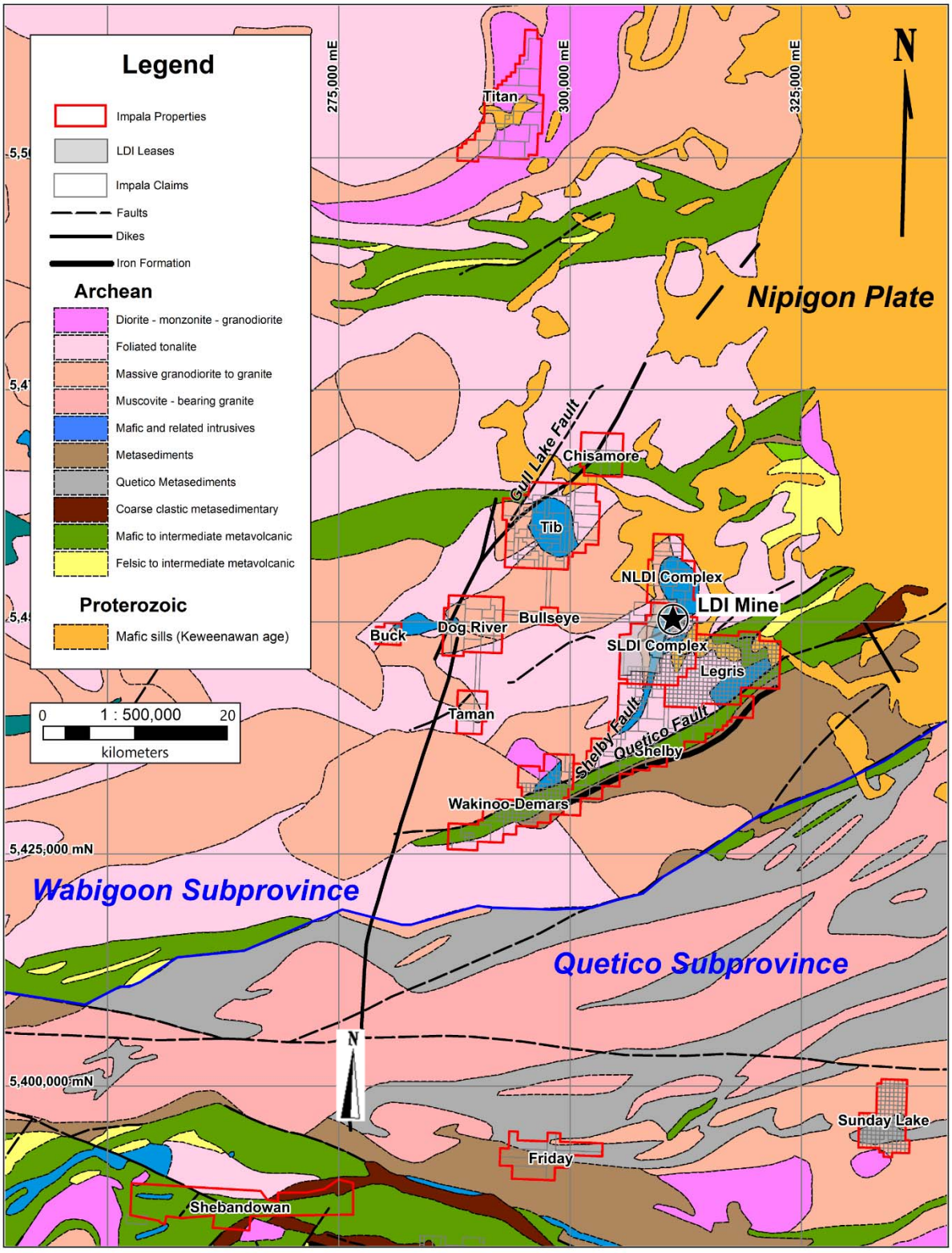


Figure 4: Regional geology of the Lac des Iles suite intrusions

Property Geology

A recent NAP Technical Report (Buss et al. 2017) describes the LDI mine property as follows:

The Property captures the known extent of the Lac Des Iles Intrusive Complex, an irregularly shaped Neoarchean-age mafic-ultramafic intrusive body having maximum dimensions of approximately 9 km in the north-south direction and approximately 4 kilometers in the east-west direction (Figure 5). The complex is interpreted to be made up of three discrete intrusive bodies:

- The North Lac des Iles intrusion (NLDI) characterized by a series of relatively flat-lying and nested ultramafic bodies with subordinate mafic rocks;
- The Mine Block intrusion (MBI); and
- The Camp Lake Intrusion; a poorly exposed/documented gabbroic to dioritic intrusion, in the southwestern part of the property

The principal rock types in and adjacent to the LDI Igneous Complex are discussed below with reference to the host intrusion and the property geology map (Figure 5 and Figure 6). The term gabbro or gabbroic is applied as a general indicator of any mafic intrusive rock having a mineral assemblage dominated by plagioclase and pyroxene (either orthopyroxene or clinopyroxene). The 2018 drilling was focused on the Mine Block Intrusion.

Mine Block Intrusion

The MBI is a small, teardrop-shaped mafic complex with maximum dimensions of 3 by 1.5 kilometers with an elongation in an east-northeast direction (*see* Figure 6). The MBI consists of gabbroic (noritic) rocks and metamorphosed and/or hydrothermally altered equivalents with highly variable plagioclase-pyroxene proportions, textures and structures. Accessory igneous minerals include magnetite and titanium-rich magnetite, ilmenite, and quartz-feldspar granophyre. The MBI was emplaced into predominantly intermediate composition orthogneiss basement rocks. The emplacement age of the MBI has been established by precise uranium-lead zircon methods as 2,689 to 2,693 Ma (Stone and Davis 2006 and references contained therein). The MBI geology is dominated by gabbroic, melanogabbroic and leucogabbroic rock types. The common reference to gabbroic rather than noritic rocks in the many historical reports on the geology of the MBI is a reflection of the continued difficulty in distinguishing the composition of igneous pyroxenes in both outcrop and drill core. This difficulty has resulted in a mixed lithological nomenclature for the MBI in which gabbro, norite, and gabbronorite rock names have been somewhat interchangeably used. However, recent internal and external research has shown that the majority of the mafic rocks in the MBI, especially those associated with palladium mineralization, have clear noritic affinities such that orthopyroxene (as opposed to clinopyroxene) is the earliest-formed and generally most abundant igneous pyroxene in the rocks. In this way, the MBI has affinities to the mafic portions of better-documented mafic-ultramafic complexes such as the Bushveld Complex in South Africa, the Great Dyke in Zimbabwe and the Stillwater Complex in Montana, USA. In terms of its rock types, textures, and mineralization styles the western part of the MBI is generally analogous to the Platreef Deposit of the northern lobe of the Bushveld Complex (Kinnaird and MacDonald 2005; Kinnaird et al. 2005).

Textural and mineralogical variability is greatest in the outer margins of the MBI, especially along the well-documented western and northern margins that host most of the known palladium resources and palladium-rich mineralized zones on the Property. Commonly observed textures in the noritic marginal units of the MBI include equigranular, fine- to coarse-grained (seriate textured), porphyritic, pegmatitic and varitextured. The interior portions of the MBI consist of more regularly textured and evolved rock types including magnetite gabbro and leucogabbro (*see* Figure 6).

Varitextured gabbroic (VGAB) units in the northern and western margins locally occur within irregular shaped heterolithic gabbro breccia zones. The most common style of breccia in these areas contains cognate mafic to ultramafic xenoliths of highly variable form and size within a matrix of VGAB. Other styles of igneous breccias are locally observed in the MBI, including those containing abundant basement gneiss clasts and others having a pyroxenitic matrix and leucogabbro and/or VGAB clasts. Internal to the varitextured rim of the western and northern MBI is a foliated medium-grained gabbro referred to as equigranular gabbro (EGAB; formerly named “East Gabbro”). In the westernmost part of the MBI an informally named unit (pyroxenite = PYXT) is commonly developed along the contact between the VGAB unit (footwall side) and the EGAB unit (hanging wall side). In the central parts of both the Roby and Offset zones, the PYXT unit hosts most of the highest-grade palladium mineralization. Recent research has demonstrated that the PYXT unit is a highly sheared, schistose and recrystallized norite to melanorite originally comprising cumulus orthopyroxene, disseminated magmatic sulfides, cumulus and intercumulus plagioclase and minor intercumulus clinopyroxene. The continued use of this informal but petrologically inaccurate name (i.e., PYXT) reflects a decision to maintain consistency in referencing the major geological units in the LDI mine.

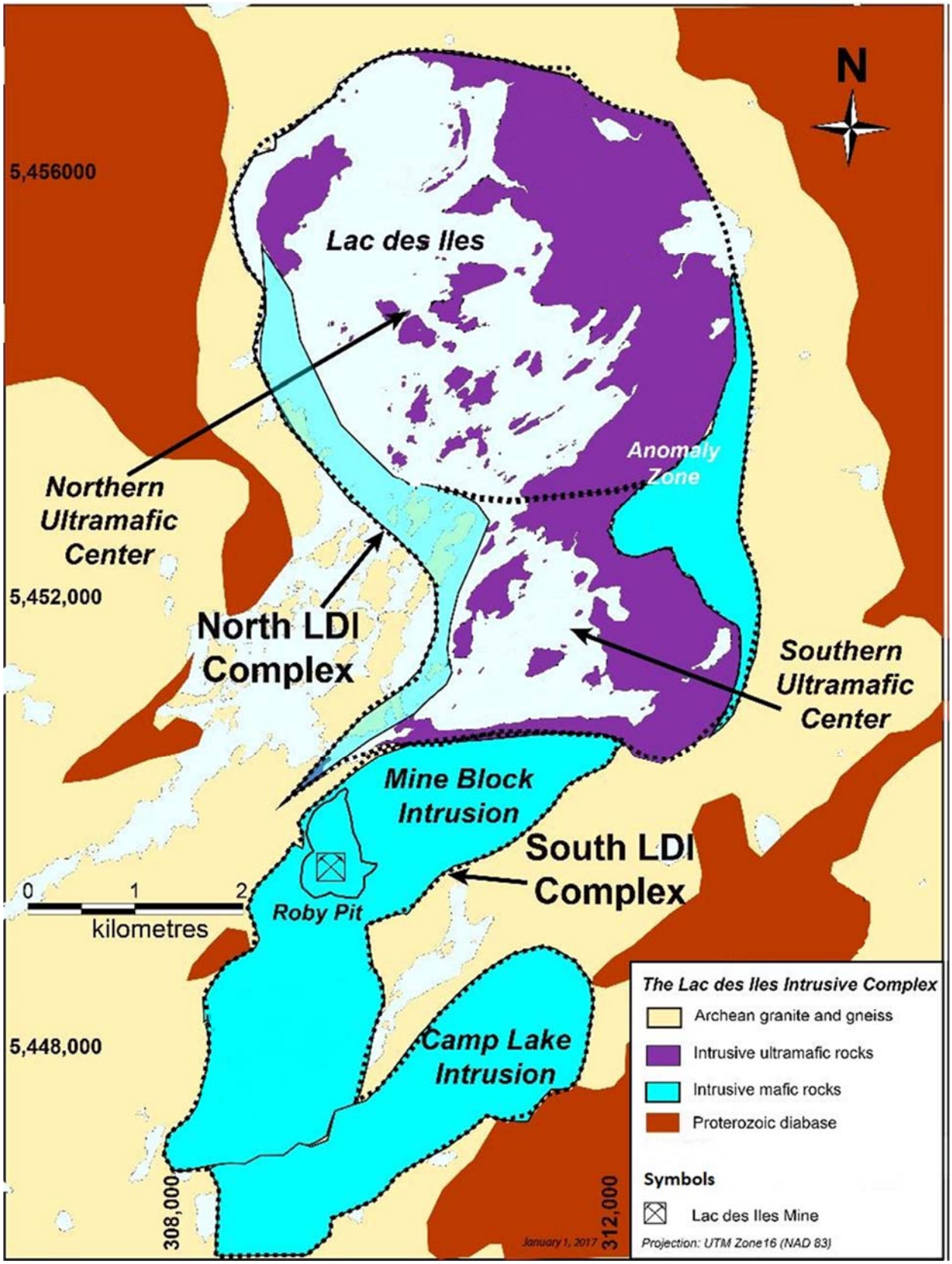


Figure 5: Simplified geology of the LDI intrusive complex (modified from Buss et al. 2017).

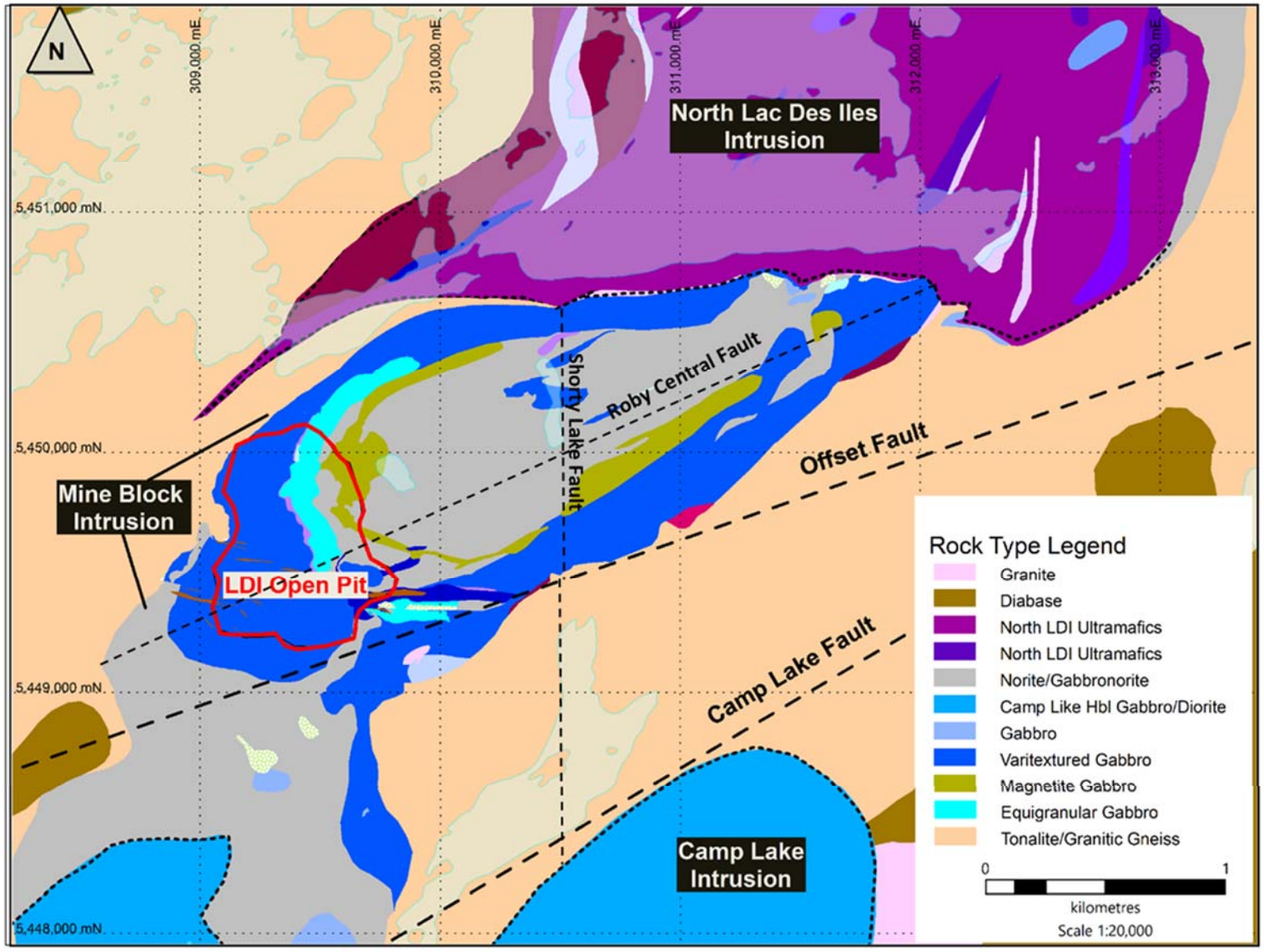


Figure 6: Simplified property geology (modified from Buss et al. 2017)

Exploration History

1963: Discovery of Cu-Ni sulphide mineralization south of Lac des Iles by W. Baker and G. Moore. *(Lavigne et al, 2005)*

1974: Boston Bay Mining discovers the Roby Zone in surface drill holes

1986: Geological Mapping and studies by *Sutcliffe*, *Sutcliffe and Sweeny* and others.

1993: Madeleine Mines changes name to North American Palladium (NAP). Open pit mining at commences at Lac Des Iles.

2000: 63 diamond drillhole program conducted by NAP. Offset Zone discovered.

2001: Major expansion to mining operations (~50,000 tpd) and milling (~16,000tpd.) *(Tait, 2012.)*

2004: Underground development commences.

2006: Underground commercial production achieved (mining Roby Zone)

2008- Lac Des Iles Mine put on care and maintenance as a result of depressed commodity prices.

2010- Lac Des Iles restarts operations in May.

2012: NAP flies a VTEM and airborne magnetic survey over the LDI suite of properties, including the Mine Block Intrusion

2013- Roby Zone open pit activities cease

2014: Construction of 825m deep shaft was completed

2015: Ground magnetic survey conducted by Abitibi Geophysics, south the Roby Open Pit.

2016: Start of transition from a long hole stoping to a sub level shrinkage (SLS) mining method. Production from the upper levels of SLS was achieved in the second half of 2016. Exploration completes 37 drillholes- primarily conversion drilling of the Lower Offset Zone and B2 Zone infill & expansion.

2017: Conversion to the SLS mining method in the Lower Offset Zone completed. Exploration completes 16 U/G diamond drillholes- 4 targeting Mystery Zone, 8 targeting Lower Offset.

2018: Exploration completes 32 underground diamond drill holes, mostly targeting Lower Offset, and 4 surface holes targeting the Texas Gulf Showing

Exploration Plans and Permits

Exploration activities for the 2018 Southwest Roby exploration program lie entirely on Mining Lease 107911 (CLM 252) and a work permit for diamond drilling is not required.

2018 Diamond Drilling

Four diamond drill holes totaling 2300.4 meters were completed from November 8th 2018, to December 4th, 2018. Major Drilling based from Winnipeg, Manitoba was the sole drill contractor and supplied one drill rig for the completion of this program. The drill rig operated for 28 days. Drill hole location details are summarized in Table 2 and shown in Appendix C.

The objective of this program was to infill a gap in drilling and add resources to the life of mine. A gap in drilling was recognized between the Offset fault and the Upper Offset 2 g/t Pd shell or zone. Four holes were designed to infill the gap, at roughly 50 meter spacing.

Drill set-ups were limited, due to mine infrastructure and active haul roads. Water was sourced from the headframe. The drill traces are shown in Figure 7.

Results of the drilling program are summarized below with drill logs provided in Appendix B and plan maps and cross sections provided in Appendix C. Drill core was delivered to the Lac des Iles Mine site by the drill foreman on a daily basis. Each box was laid out in order, logged using Fusion software, and photographed by a geologist prior to the core being sawn and sampled using appropriate QAQC methods. Buss et al. (2017) provides a more detailed review of protocols utilized by the Exploration department. Exploration personnel delivered samples to ALS Laboratories in Thunder Bay where they were processed and then sent to Vancouver laboratory for analysis. A total of 2,397 samples were submitted for assay (2,204 samples and 193 QAQC items), with totals for each hole outlined in Table 3. Assay highlights for the 2018 drill program are included in Table 4, with assay certificates in Appendix D.

Table 2: Diamond drillhole details. Co-ordinates reported in UTM NAD 83, Zone 16

Hole ID	Easting	Northing	Elevation	Azimuth	Dip	Depth (m)
18-600	309301.01	5449137.17	500.309	332.48	-70.66	578
18-601	309301.17	5449137.14	500.192	341.74	-69.79	551.4
18-602	309302.14	5449137.13	514.633	355.46	-70.23	596
18-603	309300.23	5449136.75	514.826	320.79	-68.96	575

Table 3: Total samples submitted from the 2018 diamond drilling program

Hole ID	Number of core samples sent for Assay (ALS)	Number of QA/QC items sent for Assay (ALS)	Total
18-600	560	49	
18-601	521	46	
18-602	581	52	
18-603	542	46	
Total	**2204**	**193**	**2397**

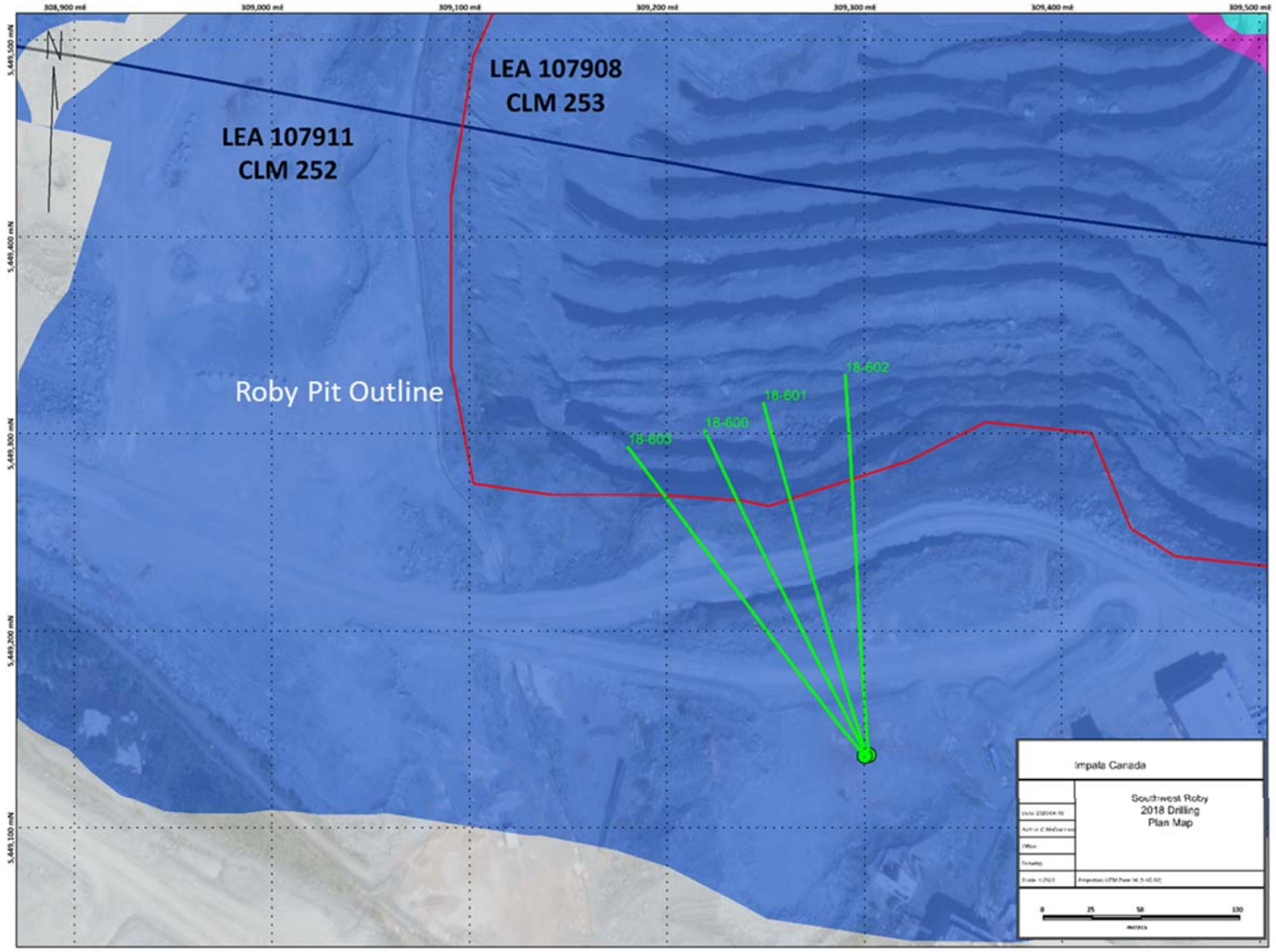


Figure 7: Plan map: 2018 Southwest Roby drilling over Mine Block Geology (1:2500 scale, NAD 83/Z16)

Results

18-600

Purpose: to infill a gap in drilling and add resources between the Offset Fault and the Upper Offset 2 g/t Pd Grade Shell.

With a final depth of 578 meters, 18-600 collared in diabase and intersected varitextured gabbro (Gab-Vt) from 20.52 meters to 142.56 meters. From 142-232.45 meters, the drillhole encountered alternating norite and varitextured gabbro. From 232.45 meters to the end of hole, the drillhole intersected varitextured gabbro, with tonalite and mafic dikes throughout. The Offset Fault encountered from approximately 270-300 meters. The target zone (under the Offset fault) intersected sulphide mineralization in abundances of 0.5-1.5% blebby to disseminated pyrrhotite, chalcopyrite and pyrite. The best intercept in the target zone included 10 meters of 1.02 g/t Pd from 320 to 330 meters.

18-601

Purpose: to infill a gap in drilling and add resources between the Offset Fault and the Upper Offset 2 g/t Pd Grade Shell.

With a final depth of 551.4 meters, 18-601 collared into diabase and continued into Gab-Vt, cut by numerous narrow mafic dikes and noritic lenses. The Offset Fault was intersected between 301 – 306 meters. Directly underlying the fault the drill hole encountered varitextured gabbro, with 20-50 meter intervals of leucocratic gabbro. A mineralized zone in the target zone was intersected from approximately 348 – 464 meters, ranging from 0.5-3.0% sulphide (po-cpy-py). The best intercept in this drillhole included 10 meters of 1.09 g/t Pd from 462-472 meters.

18-602

Purpose: to infill a gap in drilling and add resources between the Offset Fault and the Upper Offset 2 g/t Pd Grade Shell.

With a final depth of 596 meters, the drillhole collared in diabase, and continued through stratigraphy of gabbro, varitextured gabbro, and norite from 20 to 289 meters. The Offset Fault occurred in varitextured gabbro between 289-294 meters. From 294 to the end of hole at 596m, lithology was predominantly varitextured gabbro with minor norite at the top of the interval. Similar to above the fault, mineralization was variable to the bottom of the hole from trace to locally up to 5% pyrite, pyrrhotite and chalcopyrite. The best intercept returned from this drillhole included 41 meters of 2.28 g/t Pd from 553 to 594 meters depth.

18-603

Purpose: to infill a gap in drilling and add resources between the Offset Fault and the Upper Offset 2 g/t Pd Grade Shell.

With a final depth of 575 meters, the drillhole collared into 20 meters of diabase, followed by varitextured gabbro to 317 meters with lesser intervals of gabbro and leucogabbro. The stratigraphy is cut by late mafic to felsic dikes. The Offset Fault was intersected from 319.3-321.2 meters, followed by gabbro until 333 meters. The hole terminated in varitextured gabbro with patchy disseminated mineralization ranging from 0.1-1% sulphide. The best intercept in this hole included 28 meters of 1.38 g/t Pd from 295-323 meters.

Table 4: Assay Highlights from the target zone of the 2018 drill program.

Hole_ID	Nested	From	To	Length (m)	Pt (g/t)	Pd (g/t)	Au (g/t)	Ni (g/t	Cu (g/t)
18-600		**317.0**	**318.0**	**1.0**	0.12	**1.03**	0.02	0.07	0.07
18-600		**320.0**	**330.0**	**10.0**	0.14	**1.02**	0.12	0.10	0.12
18-600	*incl.*	326.0	329.0	3.0	0.39	**2.53**	0.36	0.24	0.31
18-600		**417.0**	**421.0**	**4.0**	0.12	**1.07**	0.08	0.05	0.05
18-600		**455.0**	**457.0**	**2.0**	0.15	**1.11**	0.03	0.07	0.06
18-601		**462.0**	**472.0**	**10.0**	0.11	**1.09**	0.11	0.06	0.05
18-601	*incl.*	463.0	464.0	1.0	0.48	**4.98**	0.54	0.20	0.24
18-601		**264.0**	**265.0**	**1.0**	0.09	**1.18**	0.03	0.10	0.07
18-601		**505.8**	**507.0**	**1.2**	0.13	**1.21**	0.12	0.04	0.06
18-602		**385.0**	**386.0**	**1.0**	0.25	**10.80**	0.27	0.05	0.56
18-602		**412.0**	**413.0**	**1.0**	0.43	**17.90**	0.66	0.53	0.23
18-602		**428.0**	**429.0**	**1.0**	0.17	**1.74**	0.12	0.10	0.09
18-602		**435.0**	**438.0**	**3.0**	0.27	**2.42**	0.21	0.11	0.12
18-602		**460.0**	**487.7**	**27.7**	0.16	**1.53**	0.14	0.08	0.07
18-602	*incl.*	479.0	487.0	8.0	0.28	**2.77**	0.26	0.11	0.11
18-602		**553.0**	**594.0**	**41.0**	0.26	**2.28**	0.11	0.09	0.08
18-602	*incl.*	574.0	579.0	5.0	0.93	**7.78**	0.34	0.26	0.25
18-603		**295.0**	**323.0**	**28.0**	0.10	**1.38**	0.05	0.09	0.06
18-603	*incl.*	304.0	316.0	12.0	0.14	**2.26**	0.07	0.09	0.09
18-603		**355.0**	**356.0**	**1.0**	0.41	**3.94**	0.16	0.29	0.16
18-603		**364.0**	**365.0**	**1.0**	0.14	**1.36**	0.05	0.05	0.07
18-603		**397.0**	**398.0**	**1.0**	0.21	**1.79**	0.34	0.03	0.08
18-603		**406.0**	**407.0**	**1.0**	0.10	**1.02**	0.05	0.08	0.11
18-603		**412.0**	**413.0**	**1.0**	0.41	**1.44**	0.03	0.10	0.08
18-603		**434.0**	**435.0**	**1.0**	0.08	**1.08**	0.07	0.12	0.11

Conclusions and Recommendations

Though all drillholes returned mineralization, the grade for the area of interest is generally too low to add significant resources to the Lac Des Iles mine. No further work is currently recommended.

Statement of Expenditures

The total value of work completed on the Southwest Roby Project is summarized in Table 5. All expenditures are allocated to lease block 107911 (CLM 252) and a more detailed statement of expenditures is summarized in Table 6.

Table 5: Statement of expenditures for claims on the Southwest Roby Project, 2018 drilling

Total Costs	
Personnel (LDI & Contractors)	$45,225.00
Food and Accomodation (Camp)	$9,120.00
Transportation	$940.00
Fuel	$800.00
Drilling	$272,685.35
Assay Analyses	$70,100.10
Total Expenditure	**$398,870.45**

Table 6: Summary of allocation of expenditures by claim block on the Southwest Roby Project

Claim Block	Drilling								**Total**
	Meters Drilled	Samples Assayed	Drilling Expense	Accomodation Expense	Support Expense	Assay Expense	Fuel Expense	Transortation Expense	
CL 252 (LEA 107911)	2300.4	2397	$272,685.35	$9,120.00	$45,225.00	$70,100.10	$800.00	$940.00	**$398,870.45**

References

ALS, 2020. Schedule of services and fees, geochemistry, 2020, Canada; ALS Limited. <https://www.alsglobal.com/ca/services-and-products/geochemistry/geochemistry-testing-and-analysis/whole-rock-analysis-and-lithogeochemistry> [Accessed April, 2020]

Buss, B., Roney, C., Peck, D., Decharte, D., Marrs, G., Canosa, J., Hutton, K., Ritchie, L., and Therrien, L., 2017. NI 43-101 Technical Report: Feasibility study incorporating the life of mine plan for Lac des Iles Mine, Thunder Bay, Ontario, Canada; North American Palladium and Nordmin Resource & Industrial Engineering, Report# 16378-2017, 925 p.

Decharte, D., Hofton, T., Marrs, G., Olson, S., Peck, D., Roney, C., Perusse, C., Taylor, S., Thibodeau, D., Young, B., 2018. NI 43-101 Technical Report: Feasibility Study for Lac des Iles Mine Incorporating Underground Mining of the Roby Zone, Thunder Bay, Ontario, Canada; North American Palladium, 889 p.

Corfu, F. and Stott, G.M., 1986. U-Pb ages for late magmatism and regional deformation in the Shebandowan Belt, Superior Province, Canada; Canadian Journal of Earth Sciences, v. 23, p. 1075–1082.

Mumin, A., 2015. Assessment report – 2013 diamond drilling assessment report on the Wakinoo/Demars property. NTS: 052A13, 052H04, Senga Lake, Shelby Lake, Orbit Lake, Eayrs Lake claim area; North American Palladium.

Roney, Chris., 2018. Southwest Roby Drill Proposal. Internal Document.

Steward, R. and Mumin, A, 2015. Diamond Drilling Assessment Report on the Lac Des Iles Mine Property, Thunder Bay Mining Division, Northwestern Ontario, MNDM Assessment File 2.55873.

Stone, D., 2010. Ontario Geological Survey Open File Report 5421 “Precambrian Geology of the Central Wabigoon Subprovince Area, Northwestern Ontario”, Pg.42.

Stone, D. and Davis, D.W., 2006. Revised tectonic domains of the south-central Wabigoon Subprovince; *in* Summary of Field Work and Other Activities 2006, Ontario Geological Survey, Open File Report 6194, p. 11-1 to 11-18.

Stone, D., Lavigne, M.J., Schnieders, B., Scott, J., and Wagner, D. 2003. Regional geology of the Lac des Iles area; *in* Summary of Field Work and Other Activities 2003, Ontario Geological Survey, Open File Report OFR6120, Project Unit 95-014 p. 15-1–15-25.

Sutcliffe, R.H., 1986. Regional Geology of the Lac des Iles Area, District of Thunder Bay. In Summary of Field Work and Other Activities 1986. Ontario Geological Survey Miscellaneous Paper 132, p. 70-75. Sutcliffe,

Tait, D., 2012. 2011 Diamond Drilling Assessment Report on the North VT Rim Project, Lac Des Iles Property, Thunder Bay Mining Division, Northwestern Ontario; Ontario MNDM Assessment File 2.51347.

Statement of Qualifications

DAVID CHARLES BENSON
5 JAGUAR PLACE
BRANDON, MB R7B 3P1
(204) 223-2281

1. I, David Benson, am a practicing professional geologist in both Ontario and Manitoba: APGO (#2302) and EGM (#25701).
2. I am a licenced Prospector in the Province of Ontario (#1012682) and have completed the Mining Act Awareness Program for Supervisors (#B7A9-447E-B5B3-CF67).
3. I graduated with a Bachelor's of Sciences degree (First Class Honours) in the Geological Sciences from the University in 2001.
4. I am currently the Exploration Manager for Impala Canada and have been continually been employed by the company since 2012.
5. I have authored or co-authored seven (7) NI 43-101 Mineral Property Reports.

Respectfully submitted,

April 28, 2020

David Benson

Exploration Manager
Impala Canada Ltd.
556 Tenth Ave.
Thunder Bay, ON
(807) 623-8005
davebenson@impalacanada.com

Appendix A: List of Leases on which work was performed

Lease	Claim No.	Township	Parcel	Land Area (Hectares)	Lease Type	Due Date	Annual Taxes ($)	Comments
LEA-107911	CLM252	LAC DES ILES	2983L TB	341.4	21 Year Lease	2027-Aug-31	1,024	Surface and Mining Rights

Appendix B: Diamond drill logs

Detailed Log Report
Hole Number 18-600

Project Name:	LDI - Mine
Project Code:	LDI MINE
Location:	
Start Date:	Nov 08, 2018
Completed Date:	Nov 15, 2018
Contractor:	Major Drilling
Core Storage:	Lac des Iles Minesite-cross piles
Units:	METRIC
Start Log:	Nov 26, 2018
End Log:	Dec 06, 2018
Logged By 1:	Liam Fay

Primary Coordinates Grid:	MINE:
North:	31,534.19
East:	31,947.01
Elev:	500.31
Collar Dip:	-70.66
Collar Az:	332.48
Destination Coordinates Grid:	UTM83-16
North:	5,449,137.17
East:	309,301.01
Elev:	500.31
Claim:	252

Hole Status:	Completed		
Length:	578.00		
Hole Size:	NQ		
Hole Type:	DDH		
Casing:	Yes		
Cemented:	Yes		
Collar Survey:	N	**Plugged:**	N
Multishot Survey:	N	**Pulse EM Survey:**	N
EOH:	578.00		
Artesian Cond:	No		
Abandon Reason:			

Detailed Lithology

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
0.00	20.52	**DIKE-Mafic**												

Diabase dyke - Fg-mg, dark purple-grey-black-green-white in colour with a weak degree of chl-act alteration.
Vfg disseminated py occurs throughout the interval in a trace amount.
Pyx:plg ratio is ~70:30 to 75:25.
Rubble material is present from 19.33-19.54m and 20.20-20.52m with abundant yellow-brown clay alteration along fracture faces.

From	To	Lithology
20.52	66.04	**GAB-Vt**

GABVT - Dominantly medium-grained with lesser coarse-grained material, green-grey-black-white in colour with a low to moderate degree of chl-act alteration. VT material is most abundant from 52.42-66.04m. A pegmatitic segment of GABVT is present from 62-62.19m.
Strongly K-altered qtz-plg-bt dyke material is present at 21.05-21.21m and 21.70-22.20m. Both dykes exhibit the loss of material due to dissolution.
Plagioclase veins a few cm in width occur intermittenty, some of which have been partially altered to clay minerals.
Vfg-mg disseminated to blebby py-ccp occur in an abundance of 0.1% from 20.52-56.10m and in an abundance of 0.5% from 56.10-66.04m.
A zone of rubble and fault gouge is present from 52.81-52.91m.
A mafic dyke with abundant chlorite veins and vfg disseminated pyrite is present from 59.78-59.94m.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X094698	ASSAY	TB19009510	23.00	24.00	1.00	0.003	0.003	0.004	0.008	0.041	0.005
X094699	ASSAY	TB19009510	24.00	25.00	1.00	0.001	0.003	0.002	0.009	0.043	0.006
X094700	ASSAY	TB19009510	25.00	26.00	1.00	0.116	0.018	0.007	0.016	0.046	0.006
X094701	ASSAY	TB19009510	26.00	27.00	1.00	0.003	0.003	0.001	0.005	0.043	0.006
X094702	ASSAY	TB19009510	27.00	28.00	1.00	0.019	0.005	0.003	0.016	0.043	0.006
X094703	ASSAY	TB19009510	28.00	29.00	1.00	0.016	0.003	0.003	0.010	0.041	0.006
X094704	ASSAY	TB19009510	29.00	30.00	1.00	0.002	0.003	0.003	0.008	0.043	0.006
X094705	ASSAY	TB19009510	30.00	31.00	1.00	0.101	0.012	0.005	0.014	0.045	0.006
X094706	ASSAY	TB19009510	31.00	32.00	1.00	0.001	0.003	0.001	0.006	0.041	0.006
X094707	ASSAY	TB19009510	32.00	33.00	1.00	0.001	0.003	0.003	0.012	0.042	0.006
X094708	ASSAY	TB19009510	33.00	34.00	1.00	0.202	0.031	0.019	0.021	0.046	0.006
X094709	ASSAY	TB19009510	34.00	35.00	1.00	0.269	0.025	0.030	0.040	0.056	0.006
X094710	ASSAY	TB19009510	35.00	36.00	1.00	0.041	0.011	0.003	0.011	0.042	0.006
X094711	ASSAY	TB19009510	36.00	37.00	1.00	0.398	0.046	0.026	0.032	0.057	0.006
X094712	ASSAY	TB19009510	37.00	38.00	1.00	0.267	0.027	0.018	0.017	0.050	0.006
X094713	ASSAY	TB19009510	38.00	39.00	1.00	0.002	0.003	0.001	0.010	0.045	0.006
X094714	ASSAY	TB19009510	39.00	40.00	1.00	0.056	0.006	0.002	0.012	0.045	0.006
X094715	ASSAY	TB19009510	40.00	41.00	1.00	0.003	0.003	0.001	0.010	0.043	0.006
X094717	ASSAY	TB19009510	41.00	42.00	1.00	0.094	0.016	0.006	0.019	0.037	0.006
X094718	ASSAY	TB19009510	42.00	43.00	1.00	0.053	0.006	0.008	0.016	0.036	0.005
X094719	ASSAY	TB19009510	43.00	44.00	1.00	0.307	0.035	0.012	0.019	0.052	0.006
X094720	ASSAY	TB19009510	44.00	45.00	1.00	0.016	0.003	0.008	0.015	0.040	0.006
X094721	ASSAY	TB19009510	45.00	46.00	1.00	0.160	0.009	0.015	0.031	0.055	0.007
X094722	ASSAY	TB19009510	46.00	47.00	1.00	0.050	0.006	0.001	0.010	0.044	0.006
X094723	ASSAY	TB19009510	47.00	48.00	1.00	0.001	0.003	0.001	0.007	0.044	0.006
X094724	ASSAY	TB19009510	48.00	49.00	1.00	0.042	0.003	0.002	0.011	0.046	0.006
X094725	ASSAY	TB19009510	49.00	50.00	1.00	0.109	0.015	0.009	0.020	0.056	0.007
X094726	ASSAY	TB19009510	50.00	51.00	1.00	0.079	0.015	0.009	0.016	0.049	0.006
X094727	ASSAY	TB19009510	51.00	52.00	1.00	0.022	0.007	0.002	0.010	0.044	0.005
X094728	ASSAY	TB19009510	52.00	53.00	1.00	0.398	0.047	0.021	0.028	0.051	0.007
X094729	ASSAY	TB19009510	53.00	54.00	1.00	0.420	0.042	0.026	0.042	0.080	0.007

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			X094730	ASSAY	TB19009510	54.00	55.00	1.00	0.086	0.015	0.018	0.039	0.043	0.005
			X094731	ASSAY	TB19009510	55.00	56.00	1.00	0.020	0.003	0.004	0.011	0.045	0.006
			X094732	ASSAY	TB19009510	56.00	57.00	1.00	0.049	0.005	0.012	0.028	0.050	0.007
			X094733	ASSAY	TB19009510	57.00	58.00	1.00	0.050	0.017	0.006	0.024	0.062	0.007
			X094734	ASSAY	TB19009510	58.00	59.00	1.00	0.003	0.003	0.003	0.014	0.055	0.007
			X094735	ASSAY	TB19009510	59.00	60.00	1.00	0.002	0.003	0.002	0.014	0.042	0.006
			X094737	ASSAY	TB19009510	60.00	61.00	1.00	0.037	0.007	0.010	0.026	0.057	0.005
			X094738	ASSAY	TB19009510	61.00	62.00	1.00	0.019	0.003	0.014	0.038	0.073	0.007
			X094739	ASSAY	TB19009510	62.00	63.00	1.00	0.283	0.043	0.007	0.021	0.097	0.007
			X094740	ASSAY	TB19009510	63.00	64.00	1.00	0.183	0.024	0.008	0.026	0.110	0.007
			X094741	ASSAY	TB19009510	64.00	65.00	1.00	0.018	0.009	0.034	0.157	0.188	0.010
			X094742	ASSAY	TB19009510	65.00	66.04	1.04	0.045	0.016	0.141	0.359	0.374	0.013
66.04	71.15	**DIKE-Mafic** Mafic dyke - Dominantly fg with lesser mg material, black-grey-green-white in colour with weak to moderate chl alteration, predomiantly in the form of chl veins. Intermittent segments are sheared and foliated with the and exhibit both fg and mg alternating grainsizes. Foliation angles are 50 and 35 degrees at 69.39m and 69,57m respectively. Vfg-fg disseminations and veins of py occur in an abundance of 0.2%. A segment of GABVT is present from 66.33-66.70m. Rubble zones are presennt from 66.90-66.50m.	X094743	ASSAY	TB19009510	66.04	67.00	0.96	0.028	0.005	0.012	0.034	0.022	0.004
			X094744	ASSAY	TB19009510	67.00	68.00	1.00	0.005	0.003	0.005	0.018	0.012	0.004
			X094745	ASSAY	TB19009510	68.00	69.00	1.00	0.001	0.003	0.001	0.007	0.003	0.004
			X094746	ASSAY	TB19009510	69.00	70.00	1.00	0.055	0.003	0.005	0.017	0.009	0.004
			X094747	ASSAY	TB19009510	70.00	71.15	1.15	0.003	0.003	0.007	0.020	0.006	0.003

From	To	Lithology
71.15	142.56	**GAB-Vt** GABVT - Fg-cg, but dominantly mg, green-grey-black-white in colour with a weak to moderate degree of chl-act alteration. Few segments and plg crystals exhibit a weak to moderate purple hue. Dark black pyroxene laths occur in an abundance of 15-20% from 105.65-106.64m. The segment 125.0-126.86m is dominantly black and purple-white in colour and melanocratic relative to the rest of the interval. The interval 128.37-129.12 is dominantly fg. Py-ccp and po occur as vfg-cg blebs, disseminations and veins in an abundance of 0.1% from 71.15-77.80m, in an abundance of 0.5% from 77.80-105.65m and in an abundance of 0.3% from 105.65-142.56m. A mafic dyke is present from 95.84-96.10m. A qtz-plg-bt dyke with incorporated gabbroic material is present from 135.38-135.93m. Lower contact with NOR is gradational.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X094748	ASSAY	TB19009510	71.15	72.00	0.85	0.003	0.003	0.020	0.047	0.036	0.005
X094749	ASSAY	TB19009510	72.00	73.00	1.00	0.001	0.003	0.007	0.021	0.040	0.005
X094750	ASSAY	TB19009510	73.00	74.00	1.00	0.013	0.003	0.004	0.017	0.037	0.005
X094751	ASSAY	TB19009510	74.00	75.00	1.00	0.002	0.003	0.009	0.026	0.033	0.005
X094752	ASSAY	TB19009510	75.00	76.00	1.00	0.129	0.014	0.010	0.024	0.052	0.006
X094753	ASSAY	TB19009510	76.00	77.00	1.00	0.003	0.003	0.007	0.025	0.059	0.007
X094754	ASSAY	TB19009510	77.00	78.00	1.00	0.006	0.003	0.014	0.036	0.045	0.006
X094755	ASSAY	TB19009510	78.00	79.00	1.00	0.004	0.003	0.011	0.038	0.068	0.007
X094757	ASSAY	TB19009510	79.00	80.00	1.00	0.002	0.003	0.004	0.023	0.058	0.007
X094758	ASSAY	TB19009510	80.00	81.00	1.00	0.026	0.005	0.016	0.043	0.065	0.007
X094759	ASSAY	TB19009510	81.00	82.00	1.00	0.021	0.005	0.033	0.070	0.107	0.008
X094760	ASSAY	TB19009510	82.00	83.00	1.00	0.023	0.003	0.038	0.084	0.078	0.008
X094761	ASSAY	TB19009510	83.00	84.00	1.00	0.005	0.003	0.033	0.079	0.058	0.007
X094762	ASSAY	TB19009510	84.00	85.00	1.00	0.093	0.010	0.027	0.059	0.060	0.007
X094763	ASSAY	TB19009510	85.00	86.00	1.00	0.036	0.007	0.007	0.018	0.044	0.006
X094764	ASSAY	TB19009510	86.00	87.00	1.00	0.158	0.028	0.031	0.079	0.058	0.006
X094765	ASSAY	TB19009510	87.00	88.00	1.00	0.004	0.003	0.010	0.024	0.034	0.005
X094766	ASSAY	TB19009510	88.00	89.00	1.00	0.021	0.005	0.016	0.031	0.044	0.005
X094767	ASSAY	TB19009510	89.00	90.00	1.00	0.041	0.013	0.029	0.074	0.090	0.007
X094768	ASSAY	TB19009510	90.00	91.00	1.00	0.121	0.012	0.015	0.035	0.064	0.006
X094769	ASSAY	TB19009510	91.00	92.00	1.00	0.066	0.007	0.027	0.052	0.053	0.007
X094770	ASSAY	TB19009510	92.00	93.00	1.00	0.094	0.010	0.009	0.019	0.045	0.005
X094771	ASSAY	TB19009510	93.00	94.00	1.00	0.003	0.003	0.006	0.016	0.038	0.005
X094772	ASSAY	TB19009510	94.00	95.00	1.00	0.265	0.027	0.055	0.061	0.057	0.005
X094776	ASSAY	TB19011695	95.00	96.10	1.10	0.024	0.003	0.021	0.029	0.035	0.005
X094777	ASSAY	TB19011695	96.10	97.00	0.90	0.138	0.015	0.021	0.036	0.035	0.005
X094778	ASSAY	TB19011695	97.00	98.00	1.00	0.061	0.009	0.009	0.020	0.031	0.005
X094779	ASSAY	TB19011695	98.00	99.00	1.00	0.022	0.005	0.004	0.020	0.033	0.005
X094780	ASSAY	TB19011695	99.00	100.00	1.00	0.055	0.009	0.018	0.035	0.053	0.008
X094781	ASSAY	TB19011695	100.00	101.00	1.00	0.076	0.011	0.012	0.037	0.056	0.008
X094782	ASSAY	TB19011695	101.00	102.00	1.00	0.071	0.009	0.024	0.076	0.095	0.010

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			X094783	ASSAY	TB19011695	102.00	103.00	1.00	0.012	0.003	0.013	0.065	0.084	0.009
			X094784	ASSAY	TB19011695	103.00	104.00	1.00	0.026	0.005	0.008	0.025	0.040	0.006
			X094785	ASSAY	TB19011695	104.00	105.00	1.00	0.012	0.003	0.049	0.058	0.079	0.008
			X094786	ASSAY	TB19011695	105.00	106.00	1.00	0.081	0.012	0.036	0.054	0.065	0.008
			X094787	ASSAY	TB19011695	106.00	107.00	1.00	0.029	0.003	0.005	0.022	0.041	0.007
			X094788	ASSAY	TB19011695	107.00	108.00	1.00	0.022	0.003	0.004	0.015	0.031	0.005
			X094789	ASSAY	TB19011695	108.00	109.00	1.00	0.033	0.006	0.001	0.016	0.038	0.005
			X094790	ASSAY	TB19011695	109.00	110.00	1.00	0.135	0.015	0.007	0.021	0.031	0.005
			X094791	ASSAY	TB19011695	110.00	111.00	1.00	0.050	0.005	0.003	0.021	0.034	0.005
			X094792	ASSAY	TB19011695	111.00	112.00	1.00	0.005	0.003	0.001	0.016	0.035	0.005
			X094793	ASSAY	TB19011695	112.00	113.00	1.00	0.173	0.017	0.013	0.069	0.056	0.007
			X094795	ASSAY	TB19011695	113.00	114.00	1.00	0.005	0.003	0.003	0.017	0.044	0.008
			X094796	ASSAY	TB19011695	114.00	115.00	1.00	0.006	0.003	0.005	0.021	0.038	0.006
			X094797	ASSAY	TB19011695	115.00	116.00	1.00	0.001	0.003	0.001	0.009	0.027	0.005
			X094798	ASSAY	TB19011695	116.00	117.00	1.00	0.001	0.003	0.001	0.008	0.025	0.004
			X094799	ASSAY	TB19011695	117.00	118.00	1.00	0.003	0.003	0.002	0.012	0.032	0.005
			X094800	ASSAY	TB19011695	118.00	119.00	1.00	0.019	0.003	0.004	0.018	0.031	0.005
			X094801	ASSAY	TB19011695	119.00	120.00	1.00	0.014	0.003	0.007	0.032	0.042	0.006
			X094802	ASSAY	TB19011695	120.00	121.00	1.00	0.035	0.005	0.014	0.034	0.046	0.006
			X094803	ASSAY	TB19011695	121.00	122.00	1.00	0.096	0.015	0.005	0.016	0.047	0.006
			X094804	ASSAY	TB19011695	122.00	123.00	1.00	0.081	0.006	0.004	0.014	0.047	0.007
			X094805	ASSAY	TB19011695	123.00	124.00	1.00	0.035	0.007	0.005	0.017	0.052	0.008
			X094806	ASSAY	TB19011695	124.00	125.00	1.00	0.003	0.003	0.006	0.016	0.043	0.007
			X094807	ASSAY	TB19011695	125.00	126.00	1.00	0.205	0.017	0.020	0.034	0.053	0.006
			X094808	ASSAY	TB19011695	126.00	127.00	1.00	0.004	0.003	0.001	0.013	0.036	0.007
			X094809	ASSAY	TB19011695	127.00	128.00	1.00	0.013	0.003	0.004	0.014	0.038	0.007
			X094810	ASSAY	TB19011695	128.00	129.00	1.00	0.002	0.003	0.009	0.029	0.031	0.006
			X094811	ASSAY	TB19011695	129.00	130.00	1.00	0.004	0.003	0.007	0.037	0.059	0.008
			X094812	ASSAY	TB19011695	130.00	131.00	1.00	0.003	0.003	0.008	0.028	0.053	0.007
			X094813	ASSAY	TB19011695	131.00	132.00	1.00	0.171	0.017	0.009	0.023	0.054	0.007
			X094815	ASSAY	TB19011695	132.00	133.00	1.00	0.002	0.003	0.003	0.014	0.038	0.006
			X094816	ASSAY	TB19011695	133.00	134.00	1.00	0.001	0.003	0.002	0.014	0.037	0.006

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			X094817	ASSAY	TB19011695	134.00	135.00	1.00	0.058	0.007	0.003	0.014	0.035	0.006
			X094818	ASSAY	TB19011695	135.00	136.00	1.00	0.016	0.003	0.002	0.014	0.028	0.005
			X094819	ASSAY	TB19011695	136.00	137.00	1.00	0.017	0.005	0.009	0.019	0.029	0.005
			X094820	ASSAY	TB19011695	137.00	138.00	1.00	0.022	0.003	0.006	0.017	0.030	0.005
			X094821	ASSAY	TB19011695	138.00	139.00	1.00	0.007	0.003	0.005	0.017	0.030	0.006
			X094822	ASSAY	TB19011695	139.00	140.00	1.00	0.006	0.003	0.004	0.010	0.021	0.004
			X094823	ASSAY	TB19011695	140.00	141.00	1.00	0.039	0.003	0.010	0.016	0.021	0.004
			X094824	ASSAY	TB19011695	141.00	141.75	0.75	0.100	0.013	0.016	0.018	0.022	0.004
			X094825	ASSAY	TB19011695	141.75	142.56	0.81	0.198	0.018	0.014	0.019	0.029	0.004
142.56	145.32	**NOR** Medium-grained, purple-grey-black-green-white in colour with a weak to moderate degree of chl-act alteration. Po-py-ccp occur as vfg-fg blebs and disseminations in an abundance of 0.5%, Pyx-plg ratio is ~50-40 to 65-35. Gradational upper and lower contacts with GABVT.	X094826	ASSAY	TB19011695	142.56	143.30	0.74	0.067	0.005	0.004	0.017	0.038	0.007
			X094827	ASSAY	TB19011695	143.30	144.30	1.00	0.107	0.008	0.010	0.021	0.034	0.006
			X094828	ASSAY	TB19011695	144.30	145.32	1.02	0.005	0.003	0.001	0.014	0.028	0.006
145.32	149.95	**GAB-Vt** GABVT - Fg-mg, dark green-grey-black-white in colour with a weak to moderate degree of chl-act alteration. Fg segments are generally present in proximity to GABVT-NOR contacts. Pyx-plg ratio is ~60-40 to 50-50. Po-ccp-py occur as vfg-mg blebs, disseminations, stringers and patches in an abundance of 0.5%. Gradational upper and lower contacts with NOR.	X094829	ASSAY	TB19011695	145.32	146.00	0.68	0.007	0.003	0.004	0.026	0.031	0.007
			X094830	ASSAY	TB19011695	146.00	147.00	1.00	0.002	0.003	0.002	0.025	0.026	0.006
			X094831	ASSAY	TB19011695	147.00	148.00	1.00	0.001	0.003	0.001	0.008	0.023	0.005
			X094832	ASSAY	TB19011695	148.00	149.00	1.00	0.241	0.020	0.016	0.025	0.030	0.005
			X094833	ASSAY	TB19011695	149.00	149.95	0.95	0.040	0.003	0.005	0.012	0.023	0.005
149.95	156.40	**NOR** Mg, purple-grey-green-black-white in colour with a low degree of chl-act alteration. Bronzite is abundant. Few chl veins are present throughout the interval. Py-po-ccp occur as vfg-fg blebs and disseminations in an abundance of 0.5%. Pyx:plg rato is ~65:35 to 70:30. Upper and lower contacts are gradational with GABVT.	X094835	ASSAY	TB19011695	149.95	151.00	1.05	0.045	0.007	0.007	0.026	0.036	0.005
			X094836	ASSAY	TB19011695	151.00	152.00	1.00	0.067	0.008	0.013	0.043	0.054	0.005
			X094837	ASSAY	TB19011695	152.00	153.00	1.00	0.033	0.010	0.005	0.048	0.051	0.006
			X094838	ASSAY	TB19011695	153.00	154.00	1.00	0.046	0.003	0.004	0.025	0.033	0.006
			X094839	ASSAY	TB19011695	154.00	155.00	1.00	0.004	0.003	0.004	0.033	0.047	0.008
			X094840	ASSAY	TB19011695	155.00	156.40	1.40	0.182	0.066	0.033	0.038	0.055	0.007

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
156.40	159.12	**GAB** Vfg-fg black-green-grey-white in colour with a weak to moderate degree of chl-act alteration and abundant chl veins. Pyx-plg ratio is ~60:40 to 65:35. Po-ccp-py occur as vfg-fg blebs and disseminations in an abundance of 0.5% throughout the interval. Upper contact with NOR is gradational, lower contact with NOR is sharp.	X094841	ASSAY	TB19011695	156.40	157.30	0.90	0.002	0.003	0.009	0.029	0.035	0.006
			X094842	ASSAY	TB19011695	157.30	158.20	0.90	0.001	0.003	0.009	0.019	0.031	0.006
			X094843	ASSAY	TB19011695	158.20	159.12	0.92	0.006	0.003	0.004	0.015	0.028	0.005
159.12	178.61	**NOR** Dominantly mg with lesser fg material, dark purple-grey-black-green-white in colour, dominantly weak degree of chl-act alteration with lesser moderate intensity. Intervals of dominantly fg material with sharp contacts to mg material are present at 168.20-168.80m and 173.17-173.22m. Segments of VT and GABVT material are present at174.33-175.31m and 177.13-177.80m. Pyx:plg ratio ranges from 60:40 to 70:30. Po and ccp occur as vfg-mg blebs, disseminations and stringers in an abundance of 1.5%. Upper and lower contacts are gradational with GABVT.	X094844	ASSAY	TB19011695	159.12	160.00	0.88	0.010	0.003	0.003	0.012	0.028	0.006
			X094845	ASSAY	TB19011695	160.00	161.00	1.00	0.033	0.006	0.006	0.018	0.029	0.005
			X094846	ASSAY	TB19011695	161.00	162.00	1.00	0.082	0.005	0.016	0.016	0.031	0.005
			X094847	ASSAY	TB19011695	162.00	163.00	1.00	0.003	0.003	0.004	0.037	0.049	0.006
			X094848	ASSAY	TB19011695	163.00	164.00	1.00	0.014	0.003	0.005	0.055	0.071	0.008
			X094849	ASSAY	TB19011695	164.00	165.00	1.00	0.029	0.005	0.004	0.015	0.040	0.007
			X094850	ASSAY	TB19011695	165.00	166.00	1.00	0.069	0.003	0.006	0.014	0.040	0.007
			X094854	ASSAY	TB19011693	166.00	167.00	1.00	0.013	0.003	0.005	0.017	0.041	0.007
			X094855	ASSAY	TB19011693	167.00	168.00	1.00	0.024	0.003	0.002	0.013	0.051	0.008
			X094856	ASSAY	TB19011693	168.00	169.00	1.00	0.001	0.003	0.002	0.020	0.041	0.008
			X094857	ASSAY	TB19011693	169.00	170.00	1.00	0.020	0.003	0.008	0.036	0.061	0.010
			X094858	ASSAY	TB19011693	170.00	171.00	1.00	0.001	0.003	0.004	0.020	0.043	0.009
			X094859	ASSAY	TB19011693	171.00	172.00	1.00	0.046	0.003	0.006	0.014	0.034	0.008
			X094860	ASSAY	TB19011693	172.00	173.00	1.00	0.038	0.003	0.007	0.032	0.047	0.008
			X094861	ASSAY	TB19011693	173.00	174.00	1.00	0.001	0.003	0.001	0.019	0.042	0.007
			X094862	ASSAY	TB19011693	174.00	175.00	1.00	0.025	0.003	0.003	0.011	0.029	0.006
			X094863	ASSAY	TB19011693	175.00	176.00	1.00	0.014	0.003	0.002	0.011	0.031	0.005
			X094864	ASSAY	TB19011693	176.00	177.00	1.00	0.003	0.003	0.002	0.013	0.033	0.006
			X094865	ASSAY	TB19011693	177.00	177.80	0.80	0.436	0.028	0.013	0.017	0.034	0.005
			X094866	ASSAY	TB19011693	177.80	178.61	0.81	0.007	0.003	0.003	0.011	0.032	0.006

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
178.61	187.40	**GAB-Vt** Mg, green-grey-black-white-beige in colour with intermittent purple hue and a weak to moderate chl-act alteration. Few crystals of bronzite occur throughout the interval. Pyx:plg ratio is ~50-50 to 60:40. Vfg-mg po and ccp occur as blebs, disseminations and veins in an abundance of 0.5%. Upper and lower contacts with NOR are gradational.	X094867	ASSAY	TB19011693	178.61	179.80	1.19	0.036	0.003	0.003	0.011	0.033	0.006
			X094868	ASSAY	TB19011693	179.80	181.00	1.20	0.030	0.006	0.002	0.008	0.034	0.006
			X094869	ASSAY	TB19011693	181.00	182.00	1.00	0.034	0.003	0.003	0.009	0.031	0.006
			X094870	ASSAY	TB19011693	182.00	183.00	1.00	0.061	0.006	0.011	0.020	0.030	0.006
			X094871	ASSAY	TB19011693	183.00	184.00	1.00	0.070	0.009	0.008	0.015	0.035	0.007
			X094873	ASSAY	TB19011693	184.00	185.00	1.00	0.611	0.046	0.096	0.089	0.048	0.007
			X094874	ASSAY	TB19011693	185.00	186.20	1.20	1.280	0.087	0.129	0.087	0.073	0.007
			X094875	ASSAY	TB19011693	186.20	187.40	1.20	0.777	0.075	0.067	0.074	0.056	0.006
187.40	190.10	**NOR** Mg, purple-grey-black-green-white in colour with a weak to moderate degree of chl-act alteration. A segment of GABVT material are incorporated into the interval and are present at 188.92-189.29m. Pyx:plg ratio is ~65:35. Po-ccp occur as vfg-fg blebs in an abundance of 0.5%.	X094876	ASSAY	TB19011693	187.40	188.30	0.90	0.048	0.007	0.009	0.027	0.046	0.006
			X094877	ASSAY	TB19011693	188.30	189.20	0.90	0.010	0.003	0.001	0.011	0.030	0.006
			X094878	ASSAY	TB19011693	189.20	190.10	0.90	0.001	0.003	0.003	0.023	0.037	0.007
190.10	192.15	**GAB-Vt** GABVT - Mg, green-grey-black-white-beige in colour with a weak degree of chl-act alteration and intermittent purple hue. The interval ranges from mesocratic to leucocratic. Pyx: plg ratio is ~50:50 to 60:40. Po-ccp and py occur as vfg-mg belbs and dissemiantions in an abundance of 0.5%. Upper and lower contacts are gradational with NOR.	X094879	ASSAY	TB19011693	190.10	191.10	1.00	0.094	0.005	0.016	0.041	0.046	0.007
			X094880	ASSAY	TB19011693	191.10	192.15	1.05	0.003	0.003	0.005	0.024	0.042	0.006
192.15	197.06	**NOR** Mg-cg, purple-grey-black-green-white in colour with a weak to moderate degree of chl-act alteration. Po-ccp and py occur as vfg-mg belbs and dissemiantions in an abundance of 1%.	X094881	ASSAY	TB19011693	192.15	193.00	0.85	0.034	0.003	0.001	0.010	0.025	0.004
			X094882	ASSAY	TB19011693	193.00	194.00	1.00	0.007	0.003	0.006	0.029	0.044	0.006
			X094883	ASSAY	TB19011693	194.00	195.00	1.00	0.009	0.003	0.007	0.048	0.066	0.006
			X094884	ASSAY	TB19011693	195.00	196.00	1.00	0.003	0.003	0.006	0.022	0.038	0.004
			X094885	ASSAY	TB19011693	196.00	197.06	1.06	0.003	0.003	0.004	0.028	0.042	0.005

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
197.06	211.76	**GAB-Vt** GABVT - Mg, green-grey-black-white-beige in colour with an abundant purple hue and a weak degree of chl-act alteration. Pyx:plg ratio is ~50:50 to 60:40. Po-ccp and py occur as vfg-mg blebs and disseminations in an abundance of 0.5%. Upper contact with NOR is sharp, lower contact with an intermediate dyke is sharp.	X094886	ASSAY	TB19011693	197.06	198.00	0.94	0.001	0.003	0.003	0.013	0.030	0.005
			X094887	ASSAY	TB19011693	198.00	199.00	1.00	0.008	0.003	0.004	0.009	0.025	0.004
			X094888	ASSAY	TB19011693	199.00	200.00	1.00	0.179	0.014	0.015	0.012	0.023	0.004
			X094889	ASSAY	TB19011693	200.00	201.00	1.00	0.002	0.003	0.040	0.060	0.025	0.005
			X094890	ASSAY	TB19011693	201.00	202.00	1.00	0.001	0.003	0.022	0.037	0.019	0.005
			X094891	ASSAY	TB19011693	202.00	203.00	1.00	0.001	0.003	0.001	0.009	0.029	0.005
			X094893	ASSAY	TB19011693	203.00	204.00	1.00	0.003	0.003	0.002	0.015	0.030	0.006
			X094894	ASSAY	TB19011693	204.00	205.00	1.00	0.001	0.003	0.004	0.011	0.029	0.006
			X094895	ASSAY	TB19011693	205.00	206.00	1.00	0.061	0.003	0.002	0.007	0.034	0.006
			X094896	ASSAY	TB19011693	206.00	207.00	1.00	0.001	0.003	0.001	0.009	0.030	0.005
			X094897	ASSAY	TB19011693	207.00	208.00	1.00	0.002	0.003	0.005	0.018	0.033	0.006
			X094898	ASSAY	TB19011693	208.00	209.00	1.00	0.002	0.003	0.001	0.017	0.034	0.007
			X094899	ASSAY	TB19011693	209.00	210.00	1.00	0.006	0.003	0.008	0.032	0.049	0.008
			X094900	ASSAY	TB19011693	210.00	211.00	1.00	0.031	0.006	0.027	0.043	0.041	0.008
			X094901	ASSAY	TB19011693	211.00	211.76	0.76	0.021	0.003	0.013	0.023	0.040	0.006
211.76	214.57	**DIKE-Intermediate** Intermediate dyke - Fg-mg, white-grey-green in colour. Few chl-altered fractures are present. Sharp upper and lower contacts with GABVT.	X094902	ASSAY	TB19011693	211.76	212.70	0.94	0.001	0.003	0.001	0.004	0.004	0.001
			X094903	ASSAY	TB19011693	212.70	213.70	1.00	0.001	0.003	0.001	0.001	0.002	0.001
			X094904	ASSAY	TB19011693	213.70	214.70	1.00	0.001	0.003	0.002	0.004	0.003	0.001
214.57	216.88	**GAB-Vt** GABVT - Mg, green-grey-black-white in colour with a weak degree of chl-act alteration. An intermittent purple hue is present in the interval. Pyx:plg ratio is ~55:45 to 50:50. Visible sulphide is not present in the interval. Lower contact with NOR is gradational.	X094905	ASSAY	TB19011693	214.70	215.70	1.00	0.006	0.003	0.001	0.005	0.024	0.004
			X094906	ASSAY	TB19011693	215.70	216.88	1.18	0.067	0.003	0.002	0.006	0.023	0.004
216.88	219.40	**NOR** Mg, purple-grey-green-black-white in colour with a weak degree of chl-act alteration. Abundant bronzite. Pyx:plg ratio is ~60:40 to 65:35. No visibile sulphide is present in the interval. Gradational upper and lower contacts with GABVT.	X094907	ASSAY	TB19011693	216.88	217.70	0.82	0.200	0.023	0.004	0.010	0.025	0.004
			X094908	ASSAY	TB19011693	217.70	218.55	0.85	0.021	0.003	0.001	0.005	0.022	0.004
			X094909	ASSAY	TB19011693	218.55	219.40	0.85	0.021	0.003	0.001	0.007	0.022	0.005

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
219.40	230.97	**GAB-Vt** GABVT - Mg-cg, green-grey-black-white in colour with a weak to moderate degree of chl-act alteration. A purple hue is present intermittently throughout the interval. Vfg-fg blebs disseminations, veins and patches of py occur inconsistently distributed in an abundance of 0.3%. Few plg-qtz veins a few cm in width occur throughout the interval. Upper contact with NOR is gradational, lower contact with NOR is sharp.	X094910	ASSAY	TB19011693	219.40	220.20	0.80	0.506	0.014	0.028	0.038	0.066	0.007
			X094911	ASSAY	TB19011693	220.20	221.00	0.80	0.827	0.057	0.071	0.042	0.061	0.006
			X094913	ASSAY	TB19011693	221.00	222.00	1.00	0.023	0.003	0.003	0.011	0.030	0.005
			X094914	ASSAY	TB19011693	222.00	223.00	1.00	0.065	0.003	0.005	0.020	0.035	0.006
			X094915	ASSAY	TB19011693	223.00	224.00	1.00	0.008	0.003	0.002	0.008	0.030	0.005
			X094916	ASSAY	TB19011693	224.00	225.00	1.00	0.057	0.005	0.003	0.011	0.033	0.005
			X094917	ASSAY	TB19011693	225.00	226.00	1.00	0.065	0.003	0.005	0.015	0.032	0.005
			X094918	ASSAY	TB19011693	226.00	227.00	1.00	0.060	0.006	0.004	0.013	0.030	0.005
			X094919	ASSAY	TB19011693	227.00	228.00	1.00	0.046	0.027	0.001	0.013	0.031	0.005
			X094920	ASSAY	TB19011693	228.00	229.00	1.00	0.018	0.003	0.001	0.009	0.034	0.005
			X094921	ASSAY	TB19011693	229.00	230.00	1.00	0.008	0.003	0.001	0.013	0.031	0.005
			X094922	ASSAY	TB19011693	230.00	231.00	1.00	0.001	0.003	0.002	0.012	0.032	0.005
230.97	232.45	**NOR** Mg, purple-grey-black-green-white in colour with a weak degree of chl-act alteration. Vfg-fg blebby pyrite occurs in a trace abundance. Upper contact is sharp with GABVT, lower contact is gradational with GABVT.	X094923	ASSAY	TB19011693	231.00	231.70	0.70	0.001	0.003	0.003	0.014	0.033	0.006
			X094924	ASSAY	TB19011693	231.70	232.45	0.75	0.015	0.003	0.003	0.012	0.034	0.005

From	To	Lithology
232.45	260.29	**GAB-Vt** GABVT - Mg-cg, green-grey-black-white-grey in colour with a dominantly weak with lesser moderate degree of chl-act alteration. Vfg-mg py occurs as blebs, disseminations and patches in an abundance of 0.3%, inconsistently distributed throughout the interval. A single crystal of po was observed in the interval. Few plg-qtz veins occur throughout the interval. Weak K-alt'n sporadically occurs throughout the interval. Mafic dykes are present at 245.45-245.50m and 250.97-251.39m. Upper contact with NOR is gradational, lower contact with TON dyke is sharp.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X094925	ASSAY	TB19011693	232.45	233.20	0.75	0.001	0.003	0.001	0.007	0.030	0.005
X094926	ASSAY	TB19011693	233.20	234.00	0.80	0.004	0.003	0.001	0.006	0.031	0.005
X094927	ASSAY	TB19011693	234.00	235.00	1.00	0.001	0.003	0.001	0.006	0.030	0.005
X094928	ASSAY	TB19011693	235.00	236.00	1.00	0.001	0.003	0.001	0.005	0.029	0.005
X094932	ASSAY	TB19015513	236.00	237.00	1.00	0.054	0.003	0.001	0.005	0.032	0.006
X094933	ASSAY	TB19015513	237.00	238.00	1.00	0.021	0.003	0.001	0.008	0.029	0.005
X094934	ASSAY	TB19015513	238.00	239.00	1.00	0.118	0.003	0.013	0.059	0.029	0.007
X094935	ASSAY	TB19015513	239.00	240.00	1.00	0.013	0.003	0.001	0.010	0.028	0.005
X094936	ASSAY	TB19015513	240.00	241.00	1.00	0.023	0.003	0.002	0.006	0.029	0.005
X094937	ASSAY	TB19015513	241.00	242.00	1.00	0.286	0.023	0.010	0.015	0.034	0.005
X094938	ASSAY	TB19015513	242.00	243.00	1.00	1.120	0.111	0.155	0.111	0.076	0.009
X094939	ASSAY	TB19015513	243.00	244.00	1.00	0.366	0.029	0.032	0.056	0.033	0.006
X094940	ASSAY	TB19015513	244.00	245.00	1.00	0.042	0.003	0.008	0.025	0.025	0.005
X094941	ASSAY	TB19015513	245.00	246.00	1.00	0.027	0.003	0.018	0.023	0.019	0.005
X094942	ASSAY	TB19015513	246.00	247.00	1.00	0.053	0.003	0.008	0.012	0.026	0.006
X094943	ASSAY	TB19015513	247.00	248.00	1.00	0.010	0.003	0.007	0.016	0.038	0.007
X094944	ASSAY	TB19015513	248.00	249.00	1.00	0.001	0.003	0.001	0.004	0.030	0.005
X094945	ASSAY	TB19015513	249.00	250.00	1.00	0.165	0.005	0.006	0.013	0.036	0.005
X094946	ASSAY	TB19015513	250.00	250.97	0.97	0.001	0.003	0.002	0.006	0.028	0.005
X094947	ASSAY	TB19015513	250.97	252.00	1.03	0.033	0.003	0.026	0.038	0.027	0.006
X094948	ASSAY	TB19015513	252.00	253.00	1.00	0.018	0.003	0.005	0.019	0.027	0.005
X094949	ASSAY	TB19015513	253.00	254.00	1.00	0.002	0.003	0.002	0.012	0.023	0.004
X094951	ASSAY	TB19015513	254.00	255.00	1.00	0.003	0.003	0.001	0.008	0.027	0.005
X094952	ASSAY	TB19015513	255.00	256.00	1.00	0.047	0.003	0.002	0.009	0.033	0.004
X094953	ASSAY	TB19015513	256.00	257.00	1.00	0.036	0.003	0.005	0.022	0.032	0.005
X094954	ASSAY	TB19015513	257.00	258.00	1.00	0.003	0.003	0.002	0.009	0.036	0.005
X094955	ASSAY	TB19015513	258.00	259.15	1.15	0.003	0.003	0.001	0.009	0.032	0.005
X094956	ASSAY	TB19015513	259.15	260.29	1.14	0.173	0.018	0.030	0.024	0.052	0.006

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
260.29	261.25	**DIKE-Tonalite** TON - Mg-cg, Pink-white-beige-grey-black in colour with strongly chl-act altered and weak epidote and sericite alteration. Upper contact with GABVT is sharp, lower contact with GABVT is abrupt but exhibits evidence of material mixing.	X094957	ASSAY	TB19015513	260.29	261.25	0.96	0.006	0.003	0.001	0.002	0.006	0.001
261.25	262.42	**GAB-Vt** GABVT - Mg, green-grey-black-white-pink in colour with moderate chl-act, epidote, sericite and K-alteration. Vfg blebby pyrite occurs throughout the interval in a trace abundance. Qtz-plg veins are abundant throughout. Upper contact with TON dyke is abrupt with evidence of material mixing, lower contact with TON dyke is sharp.	X094958	ASSAY	TB19015513	261.25	262.42	1.17	0.052	0.003	0.001	0.015	0.017	0.003
262.42	264.39	**DIKE-Tonalite** TON - Mg-cg, White-grey-pink-red-black-green in colour with a strong degree of K-alteration, moderate degree of hematite alteration and weak epidote-sericite alteration. Upper and lower contacts are sharp with altered GABVT.	X094959	ASSAY	TB19015513	262.42	263.40	0.98	0.001	0.003	0.009	0.003	0.001	0.000
			X094960	ASSAY	TB19015513	263.40	264.39	0.99	0.001	0.003	0.006	0.005	0.001	0.000

From	To	Lithology
264.39	289.75	**GAB-Vt**

GABVT - Fg-mg, dark green-grey-black-white-pink in colour with a moderate degree of chl-act alteration, weak sporadic K-alt'n and weak to moderate sporadic sausseritization.
Vfg disseminated py occurs throughout the interval in an abundance of 0.1%.
This interval is within the Offset fault zone and contains zones of fractured material and fault gouge at 267.19-267.32m and 268.58-269m.
Moderately to storngly K-altered tonalitic dykes and veins are common throughout the interval the most prevalent of which are present at 269.10-269.31m, 276.56-277.18m and 281.12-281.60m.
Upper and lower contacts are sharp with TON dykes.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X094961	ASSAY	TB19015513	264.39	265.28	0.89	0.006	0.003	0.001	0.005	0.036	0.007
X094962	ASSAY	TB19015513	265.28	266.10	0.82	0.044	0.005	0.002	0.014	0.038	0.007
X094963	ASSAY	TB19015513	266.10	267.00	0.90	0.042	0.003	0.001	0.017	0.033	0.006
X094964	ASSAY	TB19015513	267.00	268.00	1.00	0.079	0.008	0.003	0.012	0.047	0.008
X094965	ASSAY	TB19015513	268.00	269.00	1.00	0.117	0.011	0.001	0.010	0.041	0.007
X094966	ASSAY	TB19015513	269.00	270.00	1.00	0.012	0.003	0.001	0.012	0.018	0.004
X094967	ASSAY	TB19015513	270.00	271.00	1.00	0.161	0.018	0.066	0.144	0.065	0.008
X094968	ASSAY	TB19015513	271.00	272.00	1.00	0.842	0.070	0.034	0.054	0.069	0.006
X094969	ASSAY	TB19015513	272.00	273.00	1.00	0.396	0.040	0.025	0.042	0.044	0.005
X094971	ASSAY	TB19015513	273.00	274.00	1.00	0.041	0.003	0.003	0.013	0.037	0.007
X094972	ASSAY	TB19015513	274.00	275.00	1.00	0.004	0.003	0.001	0.010	0.039	0.007
X094973	ASSAY	TB19015513	275.00	275.77	0.77	0.004	0.003	0.001	0.009	0.037	0.007
X094974	ASSAY	TB19015513	275.77	276.56	0.79	0.011	0.003	0.002	0.010	0.030	0.006
X094975	ASSAY	TB19015513	276.56	277.18	0.62	0.007	0.003	0.001	0.004	0.006	0.001
X094976	ASSAY	TB19015513	277.18	278.00	0.82	0.179	0.012	0.005	0.022	0.030	0.004
X094977	ASSAY	TB19015513	278.00	279.00	1.00	0.002	0.003	0.002	0.015	0.027	0.005
X094978	ASSAY	TB19015513	279.00	280.00	1.00	0.002	0.003	0.002	0.012	0.031	0.005
X094979	ASSAY	TB19015513	280.00	281.00	1.00	0.011	0.003	0.002	0.021	0.033	0.006
X094980	ASSAY	TB19015513	281.00	282.00	1.00	0.009	0.003	0.001	0.009	0.022	0.004
X094981	ASSAY	TB19015513	282.00	283.00	1.00	0.008	0.003	0.001	0.007	0.023	0.005
X094982	ASSAY	TB19015513	283.00	284.00	1.00	0.002	0.003	0.002	0.010	0.029	0.006
X094983	ASSAY	TB19015513	284.00	285.00	1.00	0.002	0.003	0.001	0.011	0.021	0.005
X094984	ASSAY	TB19015513	285.00	286.00	1.00	0.025	0.003	0.001	0.008	0.016	0.005
X094985	ASSAY	TB19030646	286.00	287.00	1.00	0.017	0.003	0.001	0.020	0.016	0.005
X094986	ASSAY	TB19030646	287.00	288.00	1.00	0.008	0.003	0.001	0.016	0.018	0.005
X094987	ASSAY	TB19030646	288.00	289.00	1.00	0.090	0.008	0.018	0.014	0.018	0.005
X094988	ASSAY	TB19030646	289.00	289.75	0.75	0.006	0.003	0.001	0.008	0.018	0.005

From	To	Lithology
289.75	304.45	**DIKE-Tonalite** A zone of tonalitic, intermediate and mafic dyke material - The interval 300.38-300.56 represents the main zone which the Offset Fault is intercepted by the drill hole. The rock is fg-cg, grey-white-pink-black-beige-green in colour with a moderate degree of K-alteration and sporadic weak to moderate epidote, sericite and chlorite alteration. Main zones of fractured material and fault gouge are 300.53-300.58m, 301.25-301.37m and 302.60-302.94m. Vfg-fg blebby pyrite occurs in the interval in a trace abundance. Upper contact with GABVT is sharp, lower contact with GABVT is abrupt but exhibits brecciated material.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X094989	ASSAY	TB19030646	289.75	291.00	1.25	0.005	0.003	0.001	0.005	0.005	0.001
X094991	ASSAY	TB19030646	291.00	292.00	1.00	0.004	0.003	0.001	0.004	0.004	0.001
X094992	ASSAY	TB19030646	292.00	293.00	1.00	0.011	0.003	0.002	0.004	0.009	0.002
X094993	ASSAY	TB19030646	293.00	294.00	1.00	0.087	0.006	0.004	0.020	0.008	0.001
X094994	ASSAY	TB19030646	294.00	295.00	1.00	0.051	0.003	0.001	0.018	0.004	0.001
X094995	ASSAY	TB19030646	295.00	296.00	1.00	0.019	0.003	0.008	0.006	0.006	0.002
X094996	ASSAY	TB19030646	296.00	297.00	1.00	0.057	0.003	0.002	0.009	0.004	0.001
X094997	ASSAY	TB19030646	297.00	298.00	1.00	0.005	0.003	0.002	0.068	0.002	0.001
X094998	ASSAY	TB19030646	298.00	299.00	1.00	0.004	0.003	0.026	0.028	0.001	0.001
X094999	ASSAY	TB19015513	299.00	300.00	1.00	0.019	0.003	0.001	0.012	0.002	0.001
X095000	ASSAY	TB19015513	300.00	301.00	1.00	0.153	0.010	0.001	0.027	0.015	0.004
X095001	ASSAY	TB19015513	301.00	302.00	1.00	0.133	0.012	0.001	0.003	0.021	0.004
X095002	ASSAY	TB19015513	302.00	303.00	1.00	0.062	0.009	0.001	0.001	0.027	0.004
X095003	ASSAY	TB19015513	303.00	303.73	0.73	0.075	0.009	0.001	0.008	0.024	0.005
X095004	ASSAY	TB19015513	303.73	304.45	0.72	0.229	0.031	0.001	0.033	0.044	0.006

From	To	Lithology
304.45	343.95	**GAB-Vt**

304.45 - 343.95m. Mineralized, Green and Beige, Mg - Cg, Varitextured Gabbro.
Subhedral to Anhedral Plag varies in color and modal percentage, from around 50-70% locally. Poikilitic texture observed in Leucogabbro sections. Plag can be greenish-pink near fault due to Potassic and Epidote alt. With increased distance from fault Plag becomes more beige with a weak greenish hue.
Unit is moderately fractured at various orientations. Two dominant sets of fractures are at 30-40 and at 70-80dtca. Fractures filled by quartz, felds and sericite. Strongest local to contact with fault.
Moderate Epidote to plag and whispy bands of sericite proximal to fault (upper 5m) of interval
Upper contact with mafic dike (fault) is marked by occurance of Cg, pink, K alt plag. Contact is sharp but broken and irregular. Lower contact with mafic dike is sharp, weakly irregular in habit, cuts core at around 15-20dtca.
Mineralization is variable in intensity but dominantly Fg-Cg blebby Py with trace Cpy-Po. Blebs range from 1-7mm, often angular and irregular in shape.
326.22 - 326.38m, 326.54 - 326.72m semi-net textured Py.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X095005	ASSAY	TB19015513	304.45	305.00	0.55	0.018	0.003	0.001	0.001	0.023	0.003
X095006	ASSAY	TB19015513	305.00	306.00	1.00	0.245	0.048	0.003	0.020	0.030	0.004
X095010	ASSAY	TB19015518	306.00	307.00	1.00	0.483	0.115	0.009	0.117	0.045	0.005
X095011	ASSAY	TB19015518	307.00	308.00	1.00	0.868	0.102	0.015	0.110	0.066	0.006
X095012	ASSAY	TB19015518	308.00	309.00	1.00	0.006	0.003	0.001	0.002	0.024	0.003
X095013	ASSAY	TB19015518	309.00	310.00	1.00	0.028	0.003	0.001	0.021	0.029	0.005
X095014	ASSAY	TB19015518	310.00	311.00	1.00	0.810	0.084	0.014	0.070	0.056	0.006
X095015	ASSAY	TB19015518	311.00	312.00	1.00	0.094	0.009	0.003	0.026	0.039	0.005
X095016	ASSAY	TB19015518	312.00	313.00	1.00	0.152	0.006	0.004	0.021	0.031	0.005
X095017	ASSAY	TB19015518	313.00	314.00	1.00	0.763	0.067	0.017	0.059	0.058	0.006
X095018	ASSAY	TB19015518	314.00	315.00	1.00	0.554	0.069	0.008	0.031	0.047	0.006
X095019	ASSAY	TB19015518	315.00	316.00	1.00	0.340	0.027	0.012	0.036	0.044	0.005
X095020	ASSAY	TB19015518	316.00	317.00	1.00	0.834	0.089	0.012	0.046	0.056	0.006
X095021	ASSAY	TB19015518	317.00	318.00	1.00	1.030	0.122	0.020	0.074	0.070	0.007
X095022	ASSAY	TB19015518	318.00	319.00	1.00	0.149	0.022	0.002	0.019	0.035	0.005
X095023	ASSAY	TB19015518	319.00	320.00	1.00	0.131	0.021	0.002	0.007	0.031	0.004
X095024	ASSAY	TB19015518	320.00	321.00	1.00	0.721	0.058	0.011	0.060	0.049	0.006
X095025	ASSAY	TB19015518	321.00	322.00	1.00	0.500	0.050	0.015	0.034	0.046	0.005
X095026	ASSAY	TB19015518	322.00	323.00	1.00	0.098	0.009	0.001	0.010	0.032	0.004
X095027	ASSAY	TB19015518	323.00	324.00	1.00	0.190	0.025	0.021	0.058	0.038	0.004
X095029	ASSAY	TB19015518	324.00	325.00	1.00	0.382	0.034	0.037	0.040	0.038	0.004
X095030	ASSAY	TB19015518	325.00	326.00	1.00	0.082	0.007	0.006	0.023	0.026	0.004
X095031	ASSAY	TB19015518	326.00	327.00	1.00	3.830	0.721	0.556	0.326	0.504	0.023
X095032	ASSAY	TB19015518	327.00	328.00	1.00	1.860	0.238	0.133	0.112	0.114	0.008
X095033	ASSAY	TB19015518	328.00	329.00	1.00	1.900	0.217	0.391	0.492	0.097	0.010
X095034	ASSAY	TB19015518	329.00	330.00	1.00	0.623	0.085	0.029	0.090	0.059	0.005
X095035	ASSAY	TB19015518	330.00	331.00	1.00	0.108	0.020	0.004	0.021	0.046	0.004
X095036	ASSAY	TB19015518	331.00	332.00	1.00	0.233	0.022	0.014	0.018	0.029	0.003
X095037	ASSAY	TB19015518	332.00	333.00	1.00	0.057	0.005	0.006	0.009	0.025	0.003
X095038	ASSAY	TB19015518	333.00	334.00	1.00	0.606	0.035	0.047	0.136	0.050	0.005
X095039	ASSAY	TB19015518	334.00	335.00	1.00	0.157	0.009	0.007	0.023	0.023	0.003

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			X095040	ASSAY	TB19015518	335.00	336.00	1.00	0.248	0.020	0.005	0.033	0.028	0.003
			X095041	ASSAY	TB19015518	336.00	337.00	1.00	0.161	0.028	0.008	0.024	0.032	0.004
			X095042	ASSAY	TB19015518	337.00	338.00	1.00	0.176	0.028	0.004	0.019	0.043	0.005
			X095043	ASSAY	TB19015518	338.00	339.00	1.00	0.398	0.049	0.014	0.047	0.042	0.005
			X095044	ASSAY	TB19015518	339.00	340.00	1.00	0.183	0.015	0.012	0.031	0.045	0.006
			X095045	ASSAY	TB19015518	340.00	341.00	1.00	0.047	0.007	0.008	0.026	0.036	0.005
			X095046	ASSAY	TB19015518	341.00	342.00	1.00	0.149	0.009	0.019	0.054	0.054	0.006
			X095047	ASSAY	TB19015518	342.00	343.00	1.00	0.280	0.033	0.019	0.042	0.047	0.006
			X095049	ASSAY	TB19015518	343.00	343.95	0.95	0.627	0.056	0.037	0.051	0.049	0.006
343.95	345.22	**DIKE-Mafic**	X095050	ASSAY	TB19015518	343.95	345.22	1.27	0.037	0.003	0.005	0.015	0.022	0.005

343.95 - 345.22m. Fg-Aphanetic, dark green, nonmagnetic mafic dike.
Moderately fractured at various orientations, dominantly 50-60dtca. Fractures filled with quartz-calcite. Narrow mm scale bleached alt halo
Weak to moderate, pervassive chlorite-actinolite alt.
Mineralization is dominantly Fg-Mg Pyrite, often localized to fractures or intersections of fractures.

From	To	Lithology
345.22	434.92	**GAB-Vt**

434.92 - 434.92m. Green and beige, Mg Varitextured Gabbro.
Nonmagnetic, Fairly homogeneous and Massive for Varitextured. Low to moderate intensity fracturing throughout, random spacing and variable orientation. Narrow, whispy, nonmagnetic mafic dikes throughout. 0.1-0.3% Mineralization is dominantly Fg-Mg, blebby Py.
Pervassive moderate Chlorite - Actinolite alt. <1cm whispy bands of light yellow-green sericite randomly distributed throughout interval.
Weak density fracturing filled with quartz +- trace calcite but usually lack sulphide.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X095051	ASSAY	TB19015518	345.22	346.00	0.78	0.049	0.005	0.005	0.018	0.028	0.006
X095052	ASSAY	TB19015518	346.00	347.00	1.00	0.250	0.023	0.012	0.012	0.028	0.005
X095053	ASSAY	TB19015518	347.00	348.00	1.00	0.186	0.019	0.021	0.033	0.042	0.006
X095054	ASSAY	TB19015518	348.00	349.00	1.00	0.043	0.003	0.006	0.021	0.031	0.005
X095055	ASSAY	TB19015518	349.00	350.00	1.00	0.554	0.061	0.017	0.029	0.046	0.006
X095056	ASSAY	TB19015518	350.00	351.00	1.00	0.277	0.026	0.008	0.016	0.038	0.005
X095057	ASSAY	TB19015518	351.00	352.00	1.00	0.069	0.006	0.002	0.010	0.027	0.005
X095058	ASSAY	TB19015518	352.00	353.00	1.00	0.064	0.006	0.002	0.010	0.025	0.005
X095059	ASSAY	TB19015518	353.00	354.00	1.00	0.174	0.018	0.004	0.023	0.029	0.005
X095060	ASSAY	TB19015518	354.00	355.00	1.00	0.172	0.011	0.002	0.016	0.031	0.005
X095061	ASSAY	TB19015518	355.00	356.00	1.00	0.019	0.003	0.002	0.007	0.026	0.005
X095062	ASSAY	TB19015518	356.00	357.00	1.00	0.113	0.012	0.007	0.049	0.037	0.008
X095063	ASSAY	TB19015518	357.00	358.00	1.00	0.028	0.003	0.001	0.031	0.020	0.008
X095064	ASSAY	TB19015518	358.00	359.00	1.00	0.152	0.015	0.004	0.029	0.022	0.009
X095065	ASSAY	TB19015518	359.00	360.00	1.00	0.024	0.003	0.001	0.028	0.011	0.008
X095066	ASSAY	TB19015518	360.00	361.00	1.00	0.001	0.003	0.001	0.015	0.012	0.007
X095067	ASSAY	TB19015518	361.00	362.00	1.00	0.079	0.005	0.006	0.039	0.035	0.009
X095069	ASSAY	TB19015518	362.00	363.00	1.00	0.017	0.003	0.001	0.011	0.015	0.005
X095070	ASSAY	TB19015518	363.00	364.00	1.00	0.001	0.003	0.002	0.018	0.018	0.007
X095071	ASSAY	TB19015518	364.00	365.00	1.00	0.058	0.005	0.005	0.023	0.021	0.007
X095072	ASSAY	TB19015518	365.00	366.00	1.00	0.138	0.015	0.012	0.034	0.030	0.006
X095073	ASSAY	TB19015518	366.00	367.00	1.00	0.155	0.022	0.003	0.022	0.026	0.004
X095074	ASSAY	TB19015518	367.00	368.00	1.00	0.007	0.003	0.001	0.016	0.020	0.005
X095075	ASSAY	TB19015518	368.00	369.00	1.00	0.584	0.069	0.014	0.038	0.039	0.008
X095076	ASSAY	TB19015518	369.00	370.00	1.00	0.716	0.094	0.014	0.026	0.039	0.007
X095077	ASSAY	TB19015518	370.00	371.00	1.00	0.125	0.012	0.004	0.019	0.016	0.006
X095078	ASSAY	TB19015518	371.00	372.00	1.00	0.366	0.042	0.008	0.033	0.030	0.007
X095079	ASSAY	TB19015518	372.00	373.00	1.00	0.065	0.007	0.001	0.027	0.016	0.007
X095080	ASSAY	TB19015518	373.00	374.00	1.00	0.106	0.007	0.001	0.021	0.016	0.007
X095081	ASSAY	TB19015518	374.00	375.00	1.00	0.039	0.005	0.003	0.029	0.020	0.008
X095082	ASSAY	TB19015518	375.00	376.00	1.00	0.287	0.040	0.005	0.022	0.027	0.006

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			X095083	ASSAY	TB19015518	376.00	377.00	1.00	0.001	0.003	0.001	0.012	0.016	0.006
			X095084	ASSAY	TB19015518	377.00	378.00	1.00	0.005	0.003	0.001	0.004	0.016	0.005
			X095088	ASSAY	TB19015517	378.00	379.00	1.00	0.005	0.003	0.001	0.005	0.016	0.005
			X095089	ASSAY	TB19015517	379.00	380.00	1.00	0.027	0.005	0.001	0.011	0.022	0.005
			X095090	ASSAY	TB19015517	380.00	381.00	1.00	0.001	0.003	0.002	0.015	0.022	0.006
			X095091	ASSAY	TB19015517	381.00	382.00	1.00	0.001	0.003	0.002	0.014	0.019	0.006
			X095092	ASSAY	TB19015517	382.00	383.00	1.00	0.067	0.005	0.003	0.020	0.027	0.006
			X095093	ASSAY	TB19015517	383.00	384.00	1.00	0.062	0.007	0.001	0.007	0.019	0.005
			X095094	ASSAY	TB19015517	384.00	385.00	1.00	0.023	0.003	0.002	0.029	0.027	0.007
			X095095	ASSAY	TB19015517	385.00	386.00	1.00	0.115	0.011	0.003	0.022	0.025	0.007
			X095096	ASSAY	TB19015517	386.00	387.00	1.00	0.001	0.003	0.001	0.004	0.017	0.005
			X095097	ASSAY	TB19015517	387.00	388.00	1.00	0.001	0.003	0.001	0.003	0.012	0.003
			X095098	ASSAY	TB19015517	388.00	389.00	1.00	0.117	0.076	0.001	0.008	0.018	0.003
			X095099	ASSAY	TB19015517	389.00	390.00	1.00	0.018	0.003	0.001	0.010	0.016	0.004
			X095100	ASSAY	TB19015517	390.00	391.00	1.00	0.020	0.003	0.003	0.060	0.077	0.008
			X095101	ASSAY	TB19015517	391.00	392.00	1.00	0.005	0.003	0.004	0.045	0.058	0.008
			X095102	ASSAY	TB19015517	392.00	393.00	1.00	0.002	0.003	0.001	0.018	0.025	0.005
			X095103	ASSAY	TB19015517	393.00	394.00	1.00	0.002	0.003	0.003	0.021	0.022	0.004
			X095104	ASSAY	TB19015517	394.00	395.00	1.00	0.109	0.012	0.003	0.010	0.012	0.003
			X095105	ASSAY	TB19015517	395.00	396.00	1.00	0.031	0.003	0.002	0.006	0.007	0.003
			X095107	ASSAY	TB19015517	396.00	397.00	1.00	0.001	0.003	0.003	0.008	0.009	0.004
			X095108	ASSAY	TB19015517	397.00	398.00	1.00	0.001	0.003	0.009	0.018	0.016	0.007
			X095109	ASSAY	TB19015517	398.00	399.00	1.00	0.001	0.003	0.008	0.015	0.015	0.006
			X095110	ASSAY	TB19015517	399.00	400.00	1.00	0.001	0.003	0.003	0.010	0.018	0.005
			X095111	ASSAY	TB19015517	400.00	401.00	1.00	0.001	0.003	0.001	0.008	0.020	0.005
			X095112	ASSAY	TB19015517	401.00	402.00	1.00	0.027	0.003	0.017	0.030	0.033	0.006
			X095113	ASSAY	TB19015517	402.00	403.00	1.00	0.017	0.003	0.004	0.008	0.018	0.004
			X095114	ASSAY	TB19015517	403.00	404.00	1.00	0.025	0.003	0.004	0.016	0.027	0.006
			X095115	ASSAY	TB19015517	404.00	405.00	1.00	0.181	0.015	0.006	0.016	0.025	0.005
			X095116	ASSAY	TB19015517	405.00	406.00	1.00	0.137	0.010	0.002	0.006	0.027	0.005
			X095117	ASSAY	TB19015517	406.00	407.00	1.00	0.001	0.003	0.001	0.009	0.025	0.005
			X095118	ASSAY	TB19015517	407.00	408.00	1.00	0.005	0.003	0.008	0.034	0.028	0.006

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			X095119	ASSAY	TB19015517	408.00	409.00	1.00	0.001	0.003	0.001	0.016	0.027	0.005
			X095120	ASSAY	TB19015517	409.00	410.00	1.00	0.002	0.003	0.001	0.003	0.023	0.005
			X095121	ASSAY	TB19015517	410.00	411.00	1.00	0.001	0.003	0.001	0.007	0.025	0.005
			X095122	ASSAY	TB19015517	411.00	412.00	1.00	0.019	0.003	0.014	0.030	0.034	0.006
			X095123	ASSAY	TB19015517	412.00	413.00	1.00	0.078	0.005	0.006	0.021	0.038	0.005
			X095124	ASSAY	TB19015517	413.00	414.00	1.00	0.066	0.010	0.004	0.018	0.024	0.006
			X095125	ASSAY	TB19015517	414.00	415.00	1.00	0.016	0.003	0.005	0.014	0.032	0.005
			X095127	ASSAY	TB19015517	415.00	416.00	1.00	0.281	0.022	0.006	0.012	0.032	0.005
			X095128	ASSAY	TB19015517	416.00	417.00	1.00	0.174	0.015	0.015	0.017	0.036	0.005
			X095129	ASSAY	TB19015517	417.00	418.00	1.00	1.960	0.220	0.069	0.051	0.066	0.006
			X095130	ASSAY	TB19015517	418.00	419.00	1.00	0.003	0.003	0.004	0.011	0.030	0.005
			X095131	ASSAY	TB19015517	419.00	420.00	1.00	0.170	0.019	0.017	0.015	0.025	0.005
			X095132	ASSAY	TB19015517	420.00	421.00	1.00	2.140	0.248	0.243	0.140	0.095	0.008
			X095133	ASSAY	TB19015517	421.00	422.00	1.00	0.233	0.021	0.016	0.019	0.029	0.005
			X095134	ASSAY	TB19015517	422.00	423.00	1.00	0.027	0.003	0.006	0.015	0.025	0.005
			X095135	ASSAY	TB19015517	423.00	424.00	1.00	0.179	0.014	0.005	0.019	0.035	0.006
			X095136	ASSAY	TB19015517	424.00	425.00	1.00	0.168	0.013	0.006	0.014	0.035	0.006
			X095137	ASSAY	TB19015517	425.00	426.00	1.00	0.002	0.003	0.001	0.005	0.034	0.006
			X095138	ASSAY	TB19015517	426.00	427.00	1.00	0.179	0.021	0.008	0.013	0.038	0.006
			X095139	ASSAY	TB19015517	427.00	428.00	1.00	0.216	0.025	0.009	0.016	0.032	0.005
			X095140	ASSAY	TB19015517	428.00	429.00	1.00	0.214	0.017	0.010	0.019	0.032	0.005
			X095141	ASSAY	TB19015517	429.00	430.00	1.00	0.001	0.003	0.001	0.005	0.022	0.005
			X095142	ASSAY	TB19015517	430.00	431.00	1.00	0.002	0.003	0.003	0.015	0.029	0.006
			X095143	ASSAY	TB19015517	431.00	432.00	1.00	0.019	0.003	0.001	0.011	0.022	0.006
			X095144	ASSAY	TB19015517	432.00	433.00	1.00	0.016	0.003	0.001	0.012	0.022	0.005
			X095145	ASSAY	TB19015517	433.00	434.00	1.00	0.009	0.003	0.006	0.017	0.024	0.006
			X095147	ASSAY	TB19015517	434.00	434.92	0.92	0.041	0.006	0.001	0.013	0.026	0.005

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
434.92	438.04	**DIKE-Felsic** 434.92 - 438.04m. White and pink, cg, granitic dike. Mostly Felds and quartz, minor Biotite and amphibole. moderate pink potassic alt throughout giving core a mottled pink and white appearence. Sericite-epidote alt is weak and localized. Nonmineralized Upper contact with Gabbro-Vt is sharp but irregular in habit, marked by 4cm band of pale yellow green sericite alt, cuts core at around 20dtca. Lower contact with Gabbro-Vt is irregular and broken, many small xenos of dike within gabbro proximal to contact, contact is around 25dtca.	X095148	ASSAY	TB19015517	434.92	436.00	1.08	0.013	0.003	0.001	0.020	0.008	0.001
			X095149	ASSAY	TB19015517	436.00	437.00	1.00	0.001	0.003	0.001	0.001	0.000	0.000
			X095150	ASSAY	TB19015517	437.00	438.04	1.04	0.001	0.003	0.001	0.004	0.002	0.000
438.04	446.55	**GAB-Vt** 438.04 - 446.55m. Med green and beige, mg-Cg Varitextured Gabbro. Varies from fg sections to Cg, narrow patches of Vcg. Unit is weakly to moderately fractured, fractures healed by chlorite+-narrow bleached halos. Pervassive moderate intensity Chlorite-Actinolite alt. Trace fg Py, disseminated with minor local fg blebs local to Coarser grained patches. Lower contact with a mixed granitic and fg mafic dike is sharp, planar and at 40dtca.	X095151	ASSAY	TB19015517	438.04	439.00	0.96	0.002	0.003	0.001	0.006	0.021	0.004
			X095152	ASSAY	TB19015517	439.00	440.00	1.00	0.091	0.007	0.002	0.014	0.028	0.005
			X095153	ASSAY	TB19015517	440.00	441.00	1.00	0.143	0.013	0.016	0.019	0.024	0.005
			X095154	ASSAY	TB19015517	441.00	442.00	1.00	0.040	0.006	0.002	0.015	0.030	0.005
			X095155	ASSAY	TB19015517	442.00	443.00	1.00	0.001	0.003	0.005	0.021	0.021	0.005
			X095156	ASSAY	TB19015517	443.00	444.00	1.00	0.022	0.003	0.007	0.025	0.030	0.006
			X095157	ASSAY	TB19015517	444.00	445.00	1.00	0.042	0.003	0.002	0.011	0.025	0.004
			X095158	ASSAY	TB19015517	445.00	446.00	1.00	0.001	0.003	0.002	0.008	0.024	0.005
			X095159	ASSAY	TB19015517	446.00	447.00	1.00	0.002	0.003	0.001	0.006	0.026	0.005

From	To	Lithology
446.55	450.75	**DIKE-Mafic** 446.55 - 450.75. Mixed fine grained Mafic Dike/Granitic Dyke. Mixed unit composed of two dikes. Cg white and pink Granitic Dike is earlier and has been fractured and deformed. Fg mafic Dike intrudes into broken felsic and dominates the lower 1.4m of this interval. Mafic dike is dark green and grey, fractures have narrow bleached halos and often chlorite filled. Mafic dike is weakly magnetic and hosts 0.2%, patchy, fracture fill and blebby Py. Upper contact is sharp, planar, 40dtca. Lower contact sharp, irregular in habit, roughly 15dtca. Subunit: 446.55 - 447.8m. Cg, pink and white granitic dike. Patchy moderate intensity K alt, fracture fills and whispy stringers of yellow-green sericite.
450.75	467.49	**GAB-Vt** 450.75 - 467.49m. Medium green and beige, varitextured Gabbro. Mg-Cg dominant, plag often subhedral to anhedral, locally encloses Pyx - poikilitic. Moderate, pervassive chlorite-actinolite alt. Narrow patches of weak potassic alt to plag. 0.1% fg euhedral to subhedral Py, blebby in localized patches. very litttle veining or fracturing. Nonmagnetic Lower contact with mafic dike is sharp, planar, at 60dtca

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X095160	ASSAY	TB19015517	447.00	448.00	1.00	0.001	0.003	0.003	0.003	0.002	0.001
X095161	ASSAY	TB19015517	448.00	449.00	1.00	0.001	0.003	0.001	0.009	0.002	0.002
X095162	ASSAY	TB19015517	449.00	450.00	1.00	0.003	0.003	0.001	0.010	0.001	0.002
X095166	ASSAY	TB19015516	450.00	451.00	1.00	0.001	0.003	0.197	0.020	0.002	0.002
X095167	ASSAY	TB19015516	451.00	452.00	1.00	0.083	0.011	0.005	0.013	0.024	0.004
X095168	ASSAY	TB19015516	452.00	453.00	1.00	0.286	0.025	0.010	0.021	0.035	0.005
X095169	ASSAY	TB19015516	453.00	454.00	1.00	0.004	0.003	0.001	0.008	0.023	0.004
X095170	ASSAY	TB19015516	454.00	455.00	1.00	0.002	0.003	0.001	0.007	0.026	0.005
X095171	ASSAY	TB19015516	455.00	456.00	1.00	1.650	0.209	0.049	0.091	0.087	0.008
X095172	ASSAY	TB19015516	456.00	457.00	1.00	0.574	0.100	0.013	0.024	0.048	0.006
X095173	ASSAY	TB19015516	457.00	458.00	1.00	0.063	0.003	0.008	0.014	0.026	0.005
X095174	ASSAY	TB19015516	458.00	459.00	1.00	0.012	0.003	0.002	0.009	0.024	0.005
X095175	ASSAY	TB19015516	459.00	460.00	1.00	0.001	0.003	0.002	0.009	0.021	0.004
X095176	ASSAY	TB19015516	460.00	461.00	1.00	0.006	0.003	0.009	0.021	0.036	0.006
X095177	ASSAY	TB19015516	461.00	462.00	1.00	0.120	0.018	0.006	0.012	0.031	0.005
X095178	ASSAY	TB19015516	462.00	463.00	1.00	0.073	0.008	0.006	0.011	0.028	0.005
X095179	ASSAY	TB19015516	463.00	464.00	1.00	0.004	0.003	0.003	0.008	0.033	0.005
X095180	ASSAY	TB19015516	464.00	465.00	1.00	0.005	0.003	0.022	0.037	0.050	0.006
X095181	ASSAY	TB19015516	465.00	466.00	1.00	0.005	0.003	0.005	0.015	0.045	0.005
X095182	ASSAY	TB19015516	466.00	466.71	0.71	0.002	0.003	0.001	0.008	0.025	0.005
X095183	ASSAY	TB19015516	466.71	467.49	0.78	0.006	0.003	0.001	0.011	0.029	0.005

From	To	Lithology
467.49	471.65	**DIKE-Intermediate** 467.49 - 471.65m. dark grey-green, fine grained intermediate Dike. Appears to be the same as previous mafic dike. Small beige, subhedral plag shows possible foliation within center of dike. Pervassive moderate chlorite-actinolite alt. Dike is moderately fractured, fractures show narrow bleached-light green alt halos. Trace very fine grained Py in some fractures. Xenos of host Varitextured Gabbro throughout. Upper and lower contacts are sharp, planar, lack chill. upper contact at 60dtca, lower at 40dtcca.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X095185	ASSAY	TB19015516	467.49	468.50	1.01	0.001	0.003	0.001	0.006	0.014	0.005
X095186	ASSAY	TB19015516	468.50	469.50	1.00	0.001	0.003	0.001	0.007	0.009	0.005
X095187	ASSAY	TB19015516	469.50	470.55	1.05	0.001	0.003	0.001	0.007	0.010	0.004
X095188	ASSAY	TB19015516	470.55	471.65	1.10	0.007	0.003	0.001	0.011	0.011	0.005

From	To	Lithology
471.65	524.86	**GAB-Vt**

471.65 - 524.86m. Mg, medium green and beige, varitextured Gabbro.
Same as previous description for GAB-Vt. The texture of this interval is becoming more homogeneous, massive Mg - Cg, with lesser patches of Vt.
Pervassive moderate Chlorite-Actinolite alt. Plag picks up a weak greenish-pink hue in patches, weak K alt local to healed fractures?
Interval shows increase in veining and narrow mafic dikes downhole towards lower contact with mafic dike at 524.86m. Dikes often have narrow bands of pale yellow-green sericite at margins.
Veining largely consists of narrow felsite veins (2-12cm) or blebby, irregular, broken milky quartz veins.
Mineralization is same as previous, trace fg-mg, euhedral to subhedral Py, disseminated in patches and within fractures.

Subunits:

492.38 - 492.85m, 499.3 - 500.6m, Fg to Vfg Mafic dike. Moderate Chlorite-Actinolite alt. Moderate intensity fracturing, filled with quartz, chlorite or epidote? Very narrow light green alt halos surround fractures, weak bleached? Narrow light green-pistacio banded sericite+-epidote at contacts. Margins lack chill. Trace diss and fracture fill Py.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X095189	ASSAY	TB19015516	471.65	472.79	1.14	0.007	0.003	0.001	0.006	0.019	0.004
X095190	ASSAY	TB19015516	472.79	474.00	1.21	0.010	0.003	0.001	0.008	0.022	0.004
X095191	ASSAY	TB19015516	474.00	475.00	1.00	0.003	0.003	0.003	0.008	0.022	0.004
X095192	ASSAY	TB19015516	475.00	476.00	1.00	0.016	0.003	0.001	0.008	0.027	0.005
X095193	ASSAY	TB19015516	476.00	477.00	1.00	0.005	0.003	0.001	0.008	0.026	0.005
X095194	ASSAY	TB19015516	477.00	478.00	1.00	0.103	0.013	0.002	0.008	0.031	0.005
X095195	ASSAY	TB19015516	478.00	479.00	1.00	0.001	0.003	0.001	0.007	0.026	0.005
X095196	ASSAY	TB19015516	479.00	480.00	1.00	0.001	0.003	0.001	0.008	0.027	0.005
X095197	ASSAY	TB19015516	480.00	481.00	1.00	0.001	0.003	0.001	0.005	0.027	0.005
X095198	ASSAY	TB19015516	481.00	482.00	1.00	0.001	0.003	0.001	0.006	0.027	0.005
X095199	ASSAY	TB19015516	482.00	483.00	1.00	0.001	0.003	0.002	0.008	0.028	0.005
X095200	ASSAY	TB19015516	483.00	484.00	1.00	0.001	0.003	0.001	0.007	0.027	0.005
X095201	ASSAY	TB19015516	484.00	485.00	1.00	0.002	0.003	0.001	0.008	0.025	0.005
X095202	ASSAY	TB19015516	485.00	486.00	1.00	0.001	0.003	0.001	0.006	0.022	0.004
X095203	ASSAY	TB19015516	486.00	487.00	1.00	0.002	0.003	0.001	0.007	0.022	0.004
X095205	ASSAY	TB19015516	487.00	488.00	1.00	0.001	0.003	0.001	0.005	0.030	0.006
X095206	ASSAY	TB19015516	488.00	489.00	1.00	0.001	0.003	0.001	0.006	0.024	0.005
X095207	ASSAY	TB19015516	489.00	490.00	1.00	0.002	0.003	0.001	0.009	0.021	0.004
X095208	ASSAY	TB19015516	490.00	491.00	1.00	0.002	0.003	0.003	0.006	0.020	0.004
X095209	ASSAY	TB19015516	491.00	492.00	1.00	0.004	0.003	0.001	0.010	0.024	0.005
X095210	ASSAY	TB19015516	492.00	493.00	1.00	0.001	0.003	0.004	0.006	0.008	0.003
X095211	ASSAY	TB19015516	493.00	494.00	1.00	0.033	0.003	0.001	0.008	0.019	0.004
X095212	ASSAY	TB19015516	494.00	495.00	1.00	0.001	0.003	0.001	0.006	0.019	0.004
X095213	ASSAY	TB19015516	495.00	496.00	1.00	0.001	0.003	0.001	0.007	0.018	0.004
X095214	ASSAY	TB19015516	496.00	497.00	1.00	0.001	0.003	0.001	0.008	0.018	0.004
X095215	ASSAY	TB19015516	497.00	498.17	1.17	0.004	0.003	0.001	0.008	0.019	0.004
X095216	ASSAY	TB19015516	498.17	499.30	1.13	0.002	0.003	0.001	0.007	0.023	0.004
X095217	ASSAY	TB19015516	499.30	500.60	1.30	0.002	0.003	0.002	0.012	0.004	0.004
X095218	ASSAY	TB19015516	500.60	501.85	1.25	0.034	0.005	0.001	0.011	0.019	0.004
X095219	ASSAY	TB19015516	501.85	503.00	1.15	0.131	0.021	0.004	0.018	0.035	0.006
X095220	ASSAY	TB19015516	503.00	504.00	1.00	0.074	0.016	0.001	0.009	0.019	0.004

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			X095221	ASSAY	TB19015516	504.00	505.00	1.00	0.001	0.003	0.001	0.007	0.017	0.004
			X095222	ASSAY	TB19015516	505.00	506.00	1.00	0.070	0.006	0.003	0.009	0.016	0.003
			X095223	ASSAY	TB19015516	506.00	507.00	1.00	0.243	0.024	0.011	0.019	0.025	0.005
			X095225	ASSAY	TB19015516	507.00	508.00	1.00	0.080	0.010	0.007	0.011	0.024	0.004
			X095226	ASSAY	TB19015516	508.00	509.00	1.00	0.001	0.003	0.004	0.007	0.019	0.004
			X095227	ASSAY	TB19015516	509.00	510.00	1.00	0.203	0.023	0.013	0.012	0.026	0.005
			X095228	ASSAY	TB19015516	510.00	511.00	1.00	0.246	0.034	0.080	0.017	0.029	0.006
			X095229	ASSAY	TB19015516	511.00	512.00	1.00	0.126	0.025	0.011	0.010	0.020	0.004
			X095230	ASSAY	TB19015516	512.00	513.00	1.00	0.002	0.003	0.001	0.005	0.020	0.004
			X095231	ASSAY	TB19015516	513.00	514.00	1.00	0.001	0.003	0.004	0.004	0.019	0.004
			X095232	ASSAY	TB19015516	514.00	515.00	1.00	0.001	0.003	0.002	0.004	0.020	0.004
			X095233	ASSAY	TB19015516	515.00	516.00	1.00	0.001	0.003	0.001	0.004	0.020	0.004
			X095234	ASSAY	TB19015516	516.00	517.00	1.00	0.001	0.003	0.001	0.002	0.021	0.003
			X095235	ASSAY	TB19015516	517.00	518.00	1.00	0.001	0.003	0.001	0.003	0.019	0.004
			X095236	ASSAY	TB19015516	518.00	519.00	1.00	0.001	0.003	0.001	0.005	0.019	0.004
			X095237	ASSAY	TB19015516	519.00	520.00	1.00	0.001	0.003	0.001	0.005	0.019	0.004
			X095238	ASSAY	TB19015516	520.00	521.00	1.00	0.001	0.003	0.002	0.006	0.021	0.004
			X095239	ASSAY	TB19015516	521.00	522.00	1.00	0.003	0.003	0.008	0.019	0.027	0.005
			X095240	ASSAY	TB19015516	522.00	523.00	1.00	0.001	0.003	0.002	0.006	0.019	0.004
			X095244	ASSAY	TB19021654	523.00	524.00	1.00	0.003	0.003	0.009	0.007	0.023	0.004
			X095245	ASSAY	TB19021654	524.00	524.86	0.86	0.001	0.003	0.001	0.003	0.022	0.004
524.86	526.60	**DIKE-Intermediate**	X095246	ASSAY	TB19021654	524.86	525.70	0.84	0.001	0.003	0.003	0.029	0.010	0.004
			X095247	ASSAY	TB19021654	525.70	526.60	0.90	0.001	0.003	0.006	0.035	0.007	0.004

524.86 - 526.6m. Dark grey-green, strongly altered, fg Intermediate Dike.
Dike looks fractured and hydrothermally altered. Light greenish grey, subrounded clasts set into aphanetic black matrix. Clasts have been preferentially altered. They appear bleached to a pale green-yellowish hue. Dike is fairly mineralized, roughly 1% fg-mg, euhedral to subhedral, fracture fill and disseminated Py. Often sits in the dark black "matrix"
Upper contact is sharp and planar at 30dtca. Lower is sharp, planar at 20dtca. Lower contact has an orange hue and is likely potassic-Hem alt, reaches into dike about 10cm.

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
526.60	541.30	**GAB-VBx** 526.60 - 541.30m. Light green, mg Gabbro. Fairly homogeneous and competent, moderately altered Gabbro Vt with localized cg patches. Moderate pervassive chlorite and actinolite alt. Few small whispy sericite bands generally around 30dtca. Trace blebby Py, up to 2-3mm, very fine grained and disseminated in patches. Upper contact with dike is sharp and planar at 20dtca. Lower contact with Leucogabbro is sharp, planar at 30dtca.	X095248	ASSAY	TB19021654	526.60	527.76	1.16	0.001	0.003	0.001	0.004	0.021	0.004
			X095249	ASSAY	TB19021654	527.76	528.85	1.09	0.001	0.003	0.002	0.010	0.023	0.005
			X095250	ASSAY	TB19021654	528.85	530.00	1.15	0.004	0.003	0.002	0.017	0.029	0.005
			X095251	ASSAY	TB19021654	530.00	531.00	1.00	0.002	0.003	0.003	0.026	0.042	0.006
			X095252	ASSAY	TB19021654	531.00	532.00	1.00	0.002	0.003	0.003	0.019	0.027	0.005
			X095253	ASSAY	TB19021654	532.00	533.00	1.00	0.002	0.003	0.002	0.018	0.030	0.005
			X095254	ASSAY	TB19021654	533.00	534.00	1.00	0.002	0.003	0.001	0.018	0.026	0.005
			X095255	ASSAY	TB19021654	534.00	535.00	1.00	0.001	0.003	0.002	0.015	0.025	0.005
			X095256	ASSAY	TB19021654	535.00	536.00	1.00	0.002	0.003	0.001	0.005	0.023	0.004
			X095257	ASSAY	TB19021654	536.00	537.00	1.00	0.006	0.003	0.003	0.021	0.046	0.005
			X095258	ASSAY	TB19021654	537.00	538.00	1.00	0.001	0.003	0.004	0.020	0.022	0.005
			X095259	ASSAY	TB19021654	538.00	539.00	1.00	0.001	0.003	0.002	0.019	0.032	0.006
			X095260	ASSAY	TB19021654	539.00	540.15	1.15	0.001	0.003	0.003	0.016	0.030	0.005
			X095261	ASSAY	TB19021654	540.15	541.30	1.15	0.001	0.003	0.001	0.013	0.027	0.005
541.30	549.32	**LGAB** 541.3 - 549.32m. Light beige-green, Mg Leucogabbro. Fairly homogeneous and weakly fractured. Weak to mod Chlorite-Actinolite alt. Light yellow-green Sericite fills fractures. In places fractures have narrow pale Pinkish-Red halo, K-alt?, increases towards lower contact with Gab-Vt. Lower contact with Gab-Vt is sharp, slightly irregular and stepped, roughly 50dtca. Trace Very Fg Pyrite, disseminated in patches, local fracture fills, 0.1%.	X095263	ASSAY	TB19021654	541.30	542.12	0.82	0.004	0.003	0.001	0.003	0.002	0.001
			X095264	ASSAY	TB19021654	542.12	543.00	0.88	0.002	0.003	0.001	0.003	0.002	0.001
			X095265	ASSAY	TB19021654	543.00	544.00	1.00	0.002	0.003	0.001	0.004	0.002	0.001
			X095266	ASSAY	TB19021654	544.00	545.00	1.00	0.026	0.003	0.001	0.006	0.003	0.001
			X095267	ASSAY	TB19021654	545.00	546.00	1.00	0.022	0.003	0.001	0.006	0.002	0.001
			X095268	ASSAY	TB19021654	546.00	547.00	1.00	0.004	0.003	0.001	0.001	0.002	0.001
			X095269	ASSAY	TB19021654	547.00	548.15	1.15	0.077	0.011	0.002	0.009	0.005	0.001
			X095270	ASSAY	TB19021654	548.15	549.32	1.17	0.001	0.003	0.001	0.007	0.004	0.001

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
549.32	558.54	**GAB-Vt** 549.32 - 558.54m. Light green, mg, moderately altered Varitextured Gabbro. Slightly more variability than previously described Gab-Vt. Weak to moderate, pervassive Chlorite-Actinolite alt. Very little veining or fracturing. Trace Fg blebby Py. Lower contact with alt mafic/Intermediate fg dike is sharp, planar, 30dtca.	X095271	ASSAY	TB19021654	549.32	550.12	0.80	0.068	0.013	0.004	0.012	0.015	0.004
			X095272	ASSAY	TB19021654	550.12	551.00	0.88	0.002	0.003	0.014	0.012	0.021	0.005
			X095273	ASSAY	TB19021654	551.00	552.00	1.00	0.011	0.003	0.003	0.009	0.022	0.005
			X095274	ASSAY	TB19021654	552.00	553.00	1.00	0.001	0.003	0.003	0.008	0.021	0.005
			X095275	ASSAY	TB19021654	553.00	554.00	1.00	0.029	0.003	0.003	0.025	0.019	0.005
			X095276	ASSAY	TB19021654	554.00	555.00	1.00	0.001	0.003	0.001	0.007	0.018	0.005
			X095277	ASSAY	TB19021654	555.00	556.00	1.00	0.001	0.003	0.001	0.008	0.020	0.005
			X095278	ASSAY	TB19021654	556.00	557.00	1.00	0.001	0.003	0.001	0.009	0.021	0.005
			X095279	ASSAY	TB19021654	557.00	557.75	0.75	0.001	0.003	0.001	0.009	0.026	0.005
			X095280	ASSAY	TB19021654	557.75	558.50	0.75	0.001	0.003	0.001	0.009	0.025	0.005
			X095281	ASSAY	TB19021654	558.50	559.47	0.97	0.001	0.003	0.007	0.026	0.009	0.003
558.54	560.40	**DIKE-Intermediate** 558.54 - 560.40m. Light grey-green, fg intermediate dike. Strongly fractured and altered, same as previous intermediate dike. Looks hydrothermally altered and fractured. Subrounded light green clasts surrounded by darker grey matrix. Whispy fracturing often filled with sericite or bleached halos. Fracturing occurs at various orientations and variable density. 0.5% very fine grained disseminated Py with lesser mg euhedral Py. Strongest bleaching and fracturing proximal to lower contact with Gabbro-Vt. Lower contact is sharp, weakly fractured and strongly irregular in habit. Marked by strong pale green-yellow, whispy bands of sericite-epi?	X095283	ASSAY	TB19021654	559.47	560.40	0.93	0.001	0.003	0.007	0.027	0.008	0.004

From	To	Lithology
560.40	578.00	**GAB-Vt** 560.40 - 578.0m EOH. Light green Varitextured Gabbro. Pervasive moderate Chlorite-Actinolite alt. Trace, fg-mg, subhedral to euhedral Py, 0.1%. Interval shows more variablity in grainsize than above intermediate dike. Little veining or fractures.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X095284	ASSAY	TB19021654	560.40	561.32	0.92	0.033	0.003	0.002	0.010	0.016	0.004
X095285	ASSAY	TB19021654	561.32	562.00	0.68	0.005	0.003	0.004	0.011	0.021	0.006
X095286	ASSAY	TB19021654	562.00	563.00	1.00	0.001	0.003	0.001	0.009	0.026	0.006
X095287	ASSAY	TB19021654	563.00	564.00	1.00	0.001	0.003	0.002	0.011	0.022	0.006
X095288	ASSAY	TB19021654	564.00	565.00	1.00	0.034	0.005	0.004	0.009	0.020	0.005
X095289	ASSAY	TB19021654	565.00	566.00	1.00	0.004	0.003	0.001	0.009	0.020	0.005
X095290	ASSAY	TB19021654	566.00	567.00	1.00	0.002	0.003	0.001	0.008	0.025	0.006
X095291	ASSAY	TB19021654	567.00	568.00	1.00	0.001	0.003	0.001	0.004	0.035	0.007
X095292	ASSAY	TB19021654	568.00	569.00	1.00	0.001	0.003	0.001	0.006	0.028	0.006
X095293	ASSAY	TB19021654	569.00	570.00	1.00	0.001	0.003	0.001	0.013	0.023	0.005
X095294	ASSAY	TB19021654	570.00	571.00	1.00	0.001	0.003	0.001	0.011	0.022	0.005
X095295	ASSAY	TB19021654	571.00	572.00	1.00	0.001	0.003	0.001	0.012	0.023	0.005
X095296	ASSAY	TB19021654	572.00	573.00	1.00	0.052	0.011	0.002	0.014	0.025	0.005
X095297	ASSAY	TB19021654	573.00	574.00	1.00	0.002	0.003	0.002	0.012	0.027	0.005
X095298	ASSAY	TB19021654	574.00	575.00	1.00	0.001	0.003	0.001	0.010	0.028	0.005
X095299	ASSAY	TB19021654	575.00	576.00	1.00	0.001	0.003	0.001	0.010	0.027	0.005
X095300	ASSAY	TB19021654	576.00	577.00	1.00	0.001	0.003	0.001	0.010	0.027	0.005
X095301	ASSAY	TB19021654	577.00	578.00	1.00	0.001	0.003	0.001	0.009	0.028	0.006

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	332.48	-71.05	GYRORFLX	O	
5.00	332.64	-70.99	GYRORFLX	O	
10.00	332.75	-71.00	GYRORFLX	O	
15.00	332.68	-71.01	GYRORFLX	O	
20.00	333.00	-71.01	GYRORFLX	O	
25.00	332.88	-71.03	GYRORFLX	O	
30.00	332.78	-71.07	GYRORFLX	O	
35.00	332.75	-71.08	GYRORFLX	O	
40.00	332.79	-71.13	GYRORFLX	O	
45.00	332.78	-71.10	GYRORFLX	O	
50.00	332.91	-71.10	GYRORFLX	O	
55.00	333.05	-71.15	GYRORFLX	O	
60.00	333.06	-71.18	GYRORFLX	O	
65.00	333.07	-71.19	GYRORFLX	O	
70.00	332.97	-71.35	GYRORFLX	O	
75.00	332.47	-71.34	GYRORFLX	O	
80.00	332.23	-71.30	GYRORFLX	O	
85.00	332.48	-71.39	GYRORFLX	O	
90.00	332.66	-71.42	GYRORFLX	O	
95.00	332.56	-71.44	GYRORFLX	O	
100.00	332.44	-71.52	GYRORFLX	O	
105.00	332.27	-71.48	GYRORFLX	O	
110.00	332.31	-71.41	GYRORFLX	O	
115.00	332.45	-71.40	GYRORFLX	O	
120.00	332.63	-71.38	GYRORFLX	O	
125.00	332.59	-71.33	GYRORFLX	O	
130.00	332.48	-71.28	GYRORFLX	O	
135.00	332.53	-71.24	GYRORFLX	O	
140.00	332.44	-71.25	GYRORFLX	O	
145.00	332.48	-71.28	GYRORFLX	O	
150.00	332.42	-71.28	GYRORFLX	O	
155.00	332.74	-71.35	GYRORFLX	O	
160.00	332.74	-71.36	GYRORFLX	O	
165.00	332.93	-71.32	GYRORFLX	O	
170.00	333.05	-71.32	GYRORFLX	O	
175.00	333.13	-71.36	GYRORFLX	O	
180.00	333.39	-71.32	GYRORFLX	O	

185.00	333.34	-71.37	GYRORFLX	O
190.00	333.29	-71.39	GYRORFLX	O
195.00	333.18	-71.42	GYRORFLX	O
200.00	333.20	-71.46	GYRORFLX	O
205.00	333.27	-71.45	GYRORFLX	O
210.00	333.24	-71.40	GYRORFLX	O
215.00	333.35	-71.41	GYRORFLX	O
220.00	333.21	-71.40	GYRORFLX	O
225.00	333.13	-71.47	GYRORFLX	O
230.00	333.32	-71.48	GYRORFLX	O
235.00	333.38	-71.46	GYRORFLX	O
240.00	333.34	-71.47	GYRORFLX	O
245.00	333.28	-71.45	GYRORFLX	O
250.00	333.29	-71.44	GYRORFLX	O
255.00	333.25	-71.51	GYRORFLX	O
260.00	333.24	-71.49	GYRORFLX	O
265.00	333.22	-71.54	GYRORFLX	O
270.00	333.38	-71.51	GYRORFLX	O
275.00	333.37	-71.47	GYRORFLX	O
280.00	333.24	-71.51	GYRORFLX	O
285.00	333.13	-71.53	GYRORFLX	O
290.00	333.06	-71.53	GYRORFLX	O
295.00	333.17	-71.61	GYRORFLX	O
300.00	333.33	-71.61	GYRORFLX	O
305.00	333.27	-71.62	GYRORFLX	O
310.00	333.34	-71.63	GYRORFLX	O
315.00	333.40	-71.64	GYRORFLX	O
320.00	333.42	-71.63	GYRORFLX	O
325.00	333.54	-71.62	GYRORFLX	O
330.00	333.61	-71.61	GYRORFLX	O
335.00	333.54	-71.57	GYRORFLX	O
340.00	333.45	-71.57	GYRORFLX	O
345.00	333.49	-71.54	GYRORFLX	O
350.00	333.69	-71.56	GYRORFLX	O
355.00	333.79	-71.56	GYRORFLX	O
360.00	333.89	-71.54	GYRORFLX	O
365.00	333.92	-71.52	GYRORFLX	O
370.00	333.85	-71.58	GYRORFLX	O
375.00	333.95	-71.59	GYRORFLX	O
380.00	333.81	-71.61	GYRORFLX	O

385.00	333.80	-71.59	GYRORFLX	O
390.00	333.65	-71.58	GYRORFLX	O
395.00	333.70	-71.60	GYRORFLX	O
400.00	333.62	-71.60	GYRORFLX	O
405.00	333.66	-71.57	GYRORFLX	O
410.00	333.68	-71.57	GYRORFLX	O
415.00	333.98	-71.55	GYRORFLX	O
420.00	334.01	-71.52	GYRORFLX	O
425.00	334.04	-71.59	GYRORFLX	O
430.00	334.13	-71.60	GYRORFLX	O
435.00	334.00	-71.69	GYRORFLX	O
440.00	333.92	-71.67	GYRORFLX	O
445.00	334.00	-71.72	GYRORFLX	O
450.00	334.22	-71.80	GYRORFLX	O
455.00	334.23	-71.82	GYRORFLX	O
460.00	334.29	-71.81	GYRORFLX	O
465.00	334.40	-71.81	GYRORFLX	O
470.00	334.56	-71.75	GYRORFLX	O
475.00	334.58	-71.76	GYRORFLX	O
480.00	334.75	-71.78	GYRORFLX	O
485.00	334.87	-71.73	GYRORFLX	O
490.00	335.01	-71.76	GYRORFLX	O
495.00	334.80	-71.71	GYRORFLX	O
500.00	334.97	-71.74	GYRORFLX	O
505.00	334.96	-71.73	GYRORFLX	O
510.00	335.02	-71.71	GYRORFLX	O
515.00	334.90	-71.71	GYRORFLX	O
520.00	334.85	-71.70	GYRORFLX	O
525.00	334.76	-71.68	GYRORFLX	O
530.00	334.73	-71.71	GYRORFLX	O
535.00	334.90	-71.73	GYRORFLX	O
540.00	334.80	-71.70	GYRORFLX	O
545.00	335.14	-71.69	GYRORFLX	O
550.00	334.98	-71.71	GYRORFLX	O
555.00	335.19	-71.72	GYRORFLX	O
560.00	335.10	-71.72	GYRORFLX	O

Detailed Log Report
Hole Number 18-601

Project Name:	LDI - Mine	**Primary Coordinates Grid:**	MINE:	**Hole Status:**	Completed
Project Code:	LDI MINE	**North:**	31,534.16	**Length:**	551.40
Location:		**East:**	31,947.17	**Hole Size:**	NQ
Start Date:	Nov 16, 2018	**Elev:**	500.19	**Hole Type:**	DDH
Completed Date:	Nov 22, 2018	**Collar Dip:**	-69.79	**Casing:**	No
Contractor:	Major Drilling	**Collar Az:**	341.74	**Cemented:**	Yes
Core Storage:	Lac des Iles Minesite-cross piles	**Destination Coordinates Grid:**	UTM83-16	**Collar Survey:**	N
Units:	METRIC	**North:**	5,449,137.14	**Multishot Survey:**	N
Start Log:	Dec 13, 2018	**East:**	309,301.17	**EOH:**	551.40
End Log:	Jan 06, 2019	**Elev:**	500.19	**Artesian Cond:**	No
Logged By 1:	Liam Fay	**Claim:**	252	**Abandon Reason:**	
				Plugged:	N
				Pulse EM Survey:	N

Detailed Lithology

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
0.00	2.50	**OB**												
2.50	18.77	**DIKE-Mafic**												
Nipigon diabase dyke - Fg-mg, dark purple-grey-black-green-white in colour with a weak degree of chl-act alteration. Vfg disseminated py occurs throughout the interval in a trace amount. Pyx:plg ratio is ~70:30 to 75:25.														

From	To	Lithology
18.77	68.82	**GAB-Vt**

GABVT - Dominantly medium-grained with lesser coarse-grained to pegmatitic material, green-grey-black-white in colour with a dominantly weak with lesser moderate degree of chl-act alteration. Chl-act alteration increases towards the end of the interval. Weak K-alteration is exhibited from 20.41-21.82m, particularly in plagioclase crystals.
Vfg-mg anhedral py occurs as blebs and veins in an abundance of 0.1% with trace ccp from 18.77-55.11m and in an abundance of 0.5% from 55.11-68.82m.
Mafic dykes with sharp contacts are present from 20.21-20.41m, 58.14-58.42m and 66.09-66.22m.
A weakly to moderately K-altered felsic dyke is present from 51.11-51.27m.
Upper contact with a Nipigon diabase dyke is sharp.
Lower contact with mafic-granitic dyke is sharp.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X095303	ASSAY	TB19021654	33.00	34.00	1.00	0.003	0.003	0.005	0.011	0.043	0.006
X095304	ASSAY	TB19021654	34.00	35.00	1.00	0.074	0.011	0.007	0.012	0.047	0.007
X095305	ASSAY	TB19021654	35.00	36.00	1.00	0.115	0.012	0.021	0.014	0.042	0.006
X095306	ASSAY	TB19021654	36.00	37.00	1.00	0.186	0.023	0.030	0.029	0.050	0.007
X095307	ASSAY	TB19021654	37.00	38.00	1.00	0.033	0.007	0.012	0.020	0.052	0.007
X095308	ASSAY	TB19021654	38.00	39.00	1.00	0.074	0.009	0.008	0.015	0.046	0.006
X095309	ASSAY	TB19021654	39.00	40.00	1.00	0.029	0.003	0.004	0.010	0.042	0.006
X095310	ASSAY	TB19021654	40.00	41.00	1.00	0.036	0.003	0.009	0.019	0.040	0.006
X095311	ASSAY	TB19021654	41.00	42.00	1.00	0.003	0.003	0.002	0.011	0.048	0.007
X095312	ASSAY	TB19021654	42.00	43.00	1.00	0.001	0.003	0.001	0.010	0.047	0.007
X095313	ASSAY	TB19021654	43.00	44.00	1.00	0.001	0.003	0.001	0.011	0.051	0.007
X095314	ASSAY	TB19021654	44.00	45.00	1.00	0.041	0.005	0.002	0.011	0.051	0.006
X095315	ASSAY	TB19021654	45.00	46.00	1.00	0.001	0.003	0.002	0.011	0.049	0.007
X095316	ASSAY	TB19021654	46.00	47.00	1.00	0.011	0.003	0.002	0.008	0.045	0.006
X095317	ASSAY	TB19021654	47.00	48.00	1.00	0.001	0.003	0.002	0.010	0.047	0.006
X095318	ASSAY	TB19021654	48.00	49.00	1.00	0.001	0.003	0.002	0.008	0.043	0.006
X095322	ASSAY	TB19031413	49.00	50.00	1.00	0.038	0.003	0.005	0.011	0.038	0.005
X095323	ASSAY	TB19031413	50.00	51.00	1.00	0.191	0.018	0.014	0.024	0.045	0.005
X095324	ASSAY	TB19031413	51.00	52.00	1.00	0.006	0.003	0.003	0.004	0.034	0.006
X095325	ASSAY	TB19031413	52.00	53.00	1.00	0.005	0.003	0.004	0.012	0.044	0.006
X095326	ASSAY	TB19031413	53.00	54.00	1.00	0.022	0.003	0.009	0.025	0.049	0.007
X095327	ASSAY	TB19031413	54.00	55.00	1.00	0.067	0.008	0.010	0.025	0.058	0.007
X095328	ASSAY	TB19031413	55.00	56.00	1.00	0.025	0.003	0.006	0.031	0.065	0.007
X095329	ASSAY	TB19031413	56.00	57.00	1.00	0.004	0.003	0.004	0.017	0.054	0.007
X095330	ASSAY	TB19031413	57.00	58.00	1.00	0.054	0.006	0.003	0.017	0.053	0.007
X095331	ASSAY	TB19031413	58.00	59.00	1.00	0.002	0.003	0.001	0.011	0.041	0.006
X095332	ASSAY	TB19031413	59.00	60.00	1.00	0.086	0.011	0.019	0.070	0.101	0.008
X095333	ASSAY	TB19031413	60.00	61.00	1.00	0.005	0.003	0.006	0.020	0.063	0.006
X095334	ASSAY	TB19031413	61.00	62.00	1.00	0.033	0.008	0.015	0.062	0.124	0.009
X095335	ASSAY	TB19031413	62.00	63.00	1.00	0.022	0.003	0.009	0.040	0.082	0.008
X095336	ASSAY	TB19031413	63.00	64.00	1.00	0.009	0.003	0.003	0.014	0.054	0.007

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			X095337	ASSAY	TB19031413	64.00	65.00	1.00	0.036	0.007	0.012	0.032	0.087	0.007
			X095338	ASSAY	TB19031413	65.00	66.00	1.00	0.029	0.006	0.005	0.011	0.095	0.007
			X095339	ASSAY	TB19031413	66.00	67.00	1.00	0.008	0.003	0.001	0.003	0.048	0.004
			X095341	ASSAY	TB19031413	67.00	68.00	1.00	0.008	0.003	0.001	0.005	0.041	0.004
			X095342	ASSAY	TB19031413	68.00	68.82	0.82	0.008	0.003	0.002	0.010	0.047	0.005
68.82	71.31	**DIKE-Mafic** Predominantly mafic dyke with intermediate and granitic dyke material as well incorporated gabbroic matrial - Mafic to intermediate portions are fine- to medium-grained, weak degree of chl alteration in the form of veins. Vfg-fg disseminations and veins of py occur in an abundance of 0.2%. Granitic segments are medium- to coarse-grained and exhibit a weak to moderate degree of epidote and K-alteration. The most extensive granitic segments are present from 70.32-70.62m and 71.16-71.32m. Sharp upper and lower contacts with GABVT.	X095343	ASSAY	TB19031413	68.82	69.47	0.65	0.002	0.003	0.015	0.036	0.012	0.003
			X095344	ASSAY	TB19031413	69.47	70.32	0.85	0.002	0.003	0.005	0.021	0.007	0.003
			X095345	ASSAY	TB19031413	70.32	71.31	0.99	0.002	0.003	0.007	0.022	0.005	0.002

From	To	Lithology
71.31	115.58	**GAB-Vt**

GABVT - Medium- to coarse-grained.
green-grey-black-white in colour with a dominantly weak degree of chl-act alteration. Weak to moderate clay alteration of pyroxene crystals is present from 79.63-115.58m. The alteration predominantly occurs in the center of grains. Plagioclase grains commonly exhibit a purple hue.
Vfg-mg po-ccp-py occcur as blebs and disseminations in an abundance of 0.3% from 71.31-90.0m and in an abundance of 0.5% as vfg-mg blebs, disseminations from 90.0-113.0m with semi-net textured po present from 96.49-96.53m.
Po-ccp and py occr as vfg-mg blebs in an abundance of 3% from 113.0-114.16m and in a trace amount from 114.26-115.58m.
Upper contact with dyke is sharp, lower contact with NOR is sharp.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X095346	ASSAY	TB19031413	71.31	72.00	0.69	0.018	0.003	0.002	0.007	0.059	0.007
X095347	ASSAY	TB19031413	72.00	73.00	1.00	0.001	0.003	0.001	0.008	0.060	0.008
X095348	ASSAY	TB19031413	73.00	74.00	1.00	0.002	0.003	0.004	0.016	0.063	0.008
X095349	ASSAY	TB19031413	74.00	75.12	1.12	0.183	0.020	0.012	0.028	0.075	0.008
X095350	ASSAY	TB19031413	75.12	75.77	0.65	0.015	0.003	0.002	0.010	0.006	0.003
X095351	ASSAY	TB19031413	75.77	77.00	1.23	0.227	0.025	0.032	0.066	0.065	0.006
X095352	ASSAY	TB19031413	77.00	78.00	1.00	0.244	0.022	0.019	0.030	0.052	0.005
X095353	ASSAY	TB19031413	78.00	79.00	1.00	0.028	0.006	0.015	0.044	0.063	0.007
X095354	ASSAY	TB19031413	79.00	80.00	1.00	0.010	0.003	0.012	0.038	0.066	0.007
X095355	ASSAY	TB19031413	80.00	81.00	1.00	0.009	0.005	0.027	0.078	0.091	0.009
X095356	ASSAY	TB19031413	81.00	82.00	1.00	0.013	0.003	0.025	0.082	0.098	0.008
X095357	ASSAY	TB19031413	82.00	83.00	1.00	0.007	0.003	0.016	0.043	0.056	0.005
X095358	ASSAY	TB19031413	83.00	83.88	0.88	0.007	0.003	0.015	0.058	0.064	0.007
X095359	ASSAY	TB19031413	83.88	84.68	0.80	0.017	0.003	0.020	0.065	0.053	0.006
X095361	ASSAY	TB19031413	84.68	85.50	0.82	0.028	0.003	0.029	0.050	0.031	0.006
X095362	ASSAY	TB19031413	85.50	86.65	1.15	0.015	0.003	0.012	0.029	0.044	0.006
X095363	ASSAY	TB19031413	86.65	87.80	1.15	0.016	0.005	0.009	0.024	0.050	0.006
X095364	ASSAY	TB19031413	87.80	89.00	1.20	0.005	0.003	0.006	0.020	0.041	0.005
X095365	ASSAY	TB19031413	89.00	90.00	1.00	0.010	0.003	0.014	0.032	0.050	0.005
X095366	ASSAY	TB19031413	90.00	91.00	1.00	0.091	0.011	0.023	0.060	0.044	0.006
X095367	ASSAY	TB19031413	91.00	92.00	1.00	0.027	0.006	0.011	0.033	0.043	0.007
X095368	ASSAY	TB19031413	92.00	93.00	1.00	0.016	0.003	0.001	0.011	0.031	0.005
X095369	ASSAY	TB19031413	93.00	94.00	1.00	0.015	0.003	0.003	0.015	0.040	0.005
X095370	ASSAY	TB19031413	94.00	95.00	1.00	0.005	0.006	0.008	0.026	0.041	0.005
X095371	ASSAY	TB19031413	95.00	96.00	1.00	0.305	0.032	0.018	0.048	0.053	0.007
X095372	ASSAY	TB19031413	96.00	97.00	1.00	0.054	0.006	0.015	0.025	0.029	0.005
X095373	ASSAY	TB19031413	97.00	98.00	1.00	0.150	0.014	0.013	0.026	0.034	0.005
X095374	ASSAY	TB19031413	98.00	99.00	1.00	0.262	0.022	0.066	0.086	0.076	0.009
X095375	ASSAY	TB19031413	99.00	100.00	1.00	0.011	0.003	0.003	0.013	0.030	0.005
X095376	ASSAY	TB19031413	100.00	101.00	1.00	0.039	0.005	0.006	0.019	0.031	0.005
X095377	ASSAY	TB19031413	101.00	102.00	1.00	0.046	0.006	0.013	0.034	0.039	0.006

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			X095378	ASSAY	TB19031413	102.00	103.00	1.00	0.037	0.003	0.007	0.024	0.033	0.005
			X095379	ASSAY	TB19031413	103.00	104.00	1.00	0.081	0.009	0.008	0.020	0.038	0.005
			X095381	ASSAY	TB19031413	104.00	105.00	1.00	0.070	0.007	0.022	0.046	0.043	0.005
			X095382	ASSAY	TB19031413	105.00	106.00	1.00	0.068	0.009	0.018	0.042	0.040	0.005
			X095383	ASSAY	TB19031413	106.00	107.00	1.00	0.125	0.010	0.003	0.009	0.034	0.005
			X095384	ASSAY	TB19031413	107.00	108.00	1.00	0.040	0.003	0.005	0.019	0.039	0.005
			X095385	ASSAY	TB19031413	108.00	109.00	1.00	0.233	0.023	0.049	0.085	0.060	0.007
			X095386	ASSAY	TB19031413	109.00	110.00	1.00	0.169	0.009	0.035	0.070	0.055	0.005
			X095387	ASSAY	TB19031413	110.00	111.00	1.00	0.003	0.003	0.017	0.035	0.039	0.005
			X095388	ASSAY	TB19031413	111.00	112.00	1.00	0.001	0.003	0.003	0.015	0.039	0.007
			X095389	ASSAY	TB19031413	112.00	113.00	1.00	0.004	0.003	0.006	0.026	0.046	0.007
			X095390	ASSAY	TB19031413	113.00	114.00	1.00	0.008	0.005	0.008	0.076	0.085	0.009
			X095391	ASSAY	TB19031413	114.00	114.79	0.79	0.014	0.003	0.021	0.050	0.041	0.005
			X095392	ASSAY	TB19031413	114.79	115.58	0.79	0.016	0.005	0.003	0.019	0.033	0.004
115.58	118.70	**NOR** Fine- to medium-grained, dark purple-grey-black-green in colour with a weak to moderate degree of chl-act alteration. Pyx:plg ratio is ~70:30. Vf-mg py-po-ccp occur as blebs, disseminations and veins in an abundance of 1%. Vfg carbonate veins a few millimeters in width occur throughout the interval. Sharp upper contact and gradational lower contact with GABVT.	X095393	ASSAY	TB19031413	115.58	116.70	1.12	0.116	0.003	0.020	0.069	0.061	0.007
			X095394	ASSAY	TB19031413	116.70	117.73	1.03	0.003	0.003	0.003	0.033	0.044	0.006
			X095395	ASSAY	TB19031413	117.73	118.70	0.97	0.003	0.003	0.003	0.025	0.035	0.006

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
118.70	127.95	**GAB-Vt** GABVT - Medium-grained, green-grey-black-white in colour with an intermittent purple hue and a weak to moderate degree of chl-act alteration. Grain boundaries are sharp to diffuse. Pyx:plg ratio is ~60-40 to 65:35. Po-ccp-py occur as vfg-fg blebs, disseminations and veins in an abundance of 0.5%. Carbonate veins a few millimeters in width occur throughout the interval. Gradational upper and lower contacts with NOR.	X095396	ASSAY	TB19031413	118.70	119.85	1.15	0.014	0.003	0.005	0.028	0.046	0.006
			X095400	ASSAY	TB19049334	119.85	121.00	1.15	0.031	0.003	0.015	0.042	0.067	0.008
			X095401	ASSAY	TB19049334	121.00	122.00	1.00	0.008	0.003	0.009	0.054	0.073	0.008
			X095402	ASSAY	TB19049334	122.00	123.00	1.00	0.008	0.003	0.008	0.053	0.074	0.008
			X095403	ASSAY	TB19049334	123.00	124.00	1.00	0.002	0.003	0.003	0.027	0.043	0.006
			X095404	ASSAY	TB19049334	124.00	125.00	1.00	0.020	0.003	0.016	0.049	0.061	0.007
			X095405	ASSAY	TB19049334	125.00	126.00	1.00	0.005	0.003	0.009	0.050	0.068	0.008
			X095406	ASSAY	TB19049334	126.00	127.00	1.00	0.067	0.005	0.010	0.036	0.053	0.008
			X095407	ASSAY	TB19049334	127.00	127.75	0.75	0.229	0.022	0.014	0.030	0.050	0.007
			X095408	ASSAY	TB19049334	127.75	128.41	0.66	0.029	0.003	0.006	0.034	0.056	0.008
127.95	129.14	**NOR** Medium-grained, purple-grey-green-black-white in colour with a weak to moderate degree of chl-act atleraton. Grain bounndaries are generally diffuse. Pyx:plg ratio is ~65-35 to 70-30. Po-ccp and py occur as vfg-fg blebs and disseminations in an abundance of 0.5%. Upper and lower contacts are gradational with GABVT.	X095409	ASSAY	TB19049334	128.41	129.14	0.73	0.003	0.003	0.002	0.036	0.057	0.008
129.14	136.84	**GAB-Vt** GABVT - Dominantly medium-grained, green-grey-black white in colour with a dominantly weak with lesser moderate degree of chl-act alteration. Plagioclase crystals are commonly purple in colour or exhibit a purple hue. Grain boundaries are generally diffuse. The interval 135.07-136.84m exhibits a distinct purple hue and a washed out appearance. Py-po-ccp occur as vfg-fg disseminations, blebs and veins in an abundance of 0.5%. Pyx:plg ratio ranges from 65:35 to 55:45. Few carbonate veins, a few millimeters in width, occur throughout the interval. Upper and lower contacts with NOR are gradational.	X095410	ASSAY	TB19049334	129.14	130.00	0.86	0.042	0.003	0.006	0.034	0.055	0.008
			X095411	ASSAY	TB19049334	130.00	131.00	1.00	0.031	0.003	0.003	0.024	0.045	0.007
			X095412	ASSAY	TB19049334	131.00	132.00	1.00	0.274	0.003	0.020	0.047	0.050	0.007
			X095413	ASSAY	TB19049334	132.00	133.00	1.00	0.098	0.010	0.009	0.046	0.057	0.008
			X095414	ASSAY	TB19049334	133.00	134.00	1.00	0.004	0.003	0.010	0.054	0.066	0.008
			X095415	ASSAY	TB19049334	134.00	135.00	1.00	0.008	0.003	0.004	0.016	0.051	0.009
			X095416	ASSAY	TB19049334	135.00	136.00	1.00	0.211	0.024	0.019	0.035	0.049	0.008
			X095417	ASSAY	TB19049334	136.00	136.84	0.84	0.020	0.003	0.006	0.017	0.026	0.005

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
136.84	138.61	**NOR** Fine- to medium-grained, purple-grey-green-black in colour with a weak to moderate degree of chl-act alteration. Grain boundaries are diffuse. Pyx:plg ratio is ~70:40 to 65:35. Vfg-fg po-ccp and py occurs as blebs and disseminations in an abundance of 0.1% Upper and lower contacts with GABVT are gradational.	X095419	ASSAY	TB19049334	136.84	137.69	0.85	0.001	0.003	0.001	0.010	0.024	0.006
			X095420	ASSAY	TB19049334	137.69	138.61	0.92	0.001	0.003	0.001	0.015	0.031	0.006
138.61	147.97	**GAB-VBx** GABVT Medium- to fine-grained, green-grey-black-white in colour with a dominantly weak degree of chl-act alteration. From 140.90-142.73m, a fine-grained clast of gabbroic material is present with sharp to gradational but abrupt contacts with the surrounding medium-grained GABVT. The fine-grianed interval contains intermittent bronzite crystals. Py-po-cpp occur throughout the interval as vfg-mg blebs, disseminations, patches and stringers in an abundance of 0.3%. Pyx:plg ratio ranges from 50:50 to 70:30. Carbonate veins, a few millimteres in width, occur throughout the interval. Upper contact is gradational with NOR, lower contact is sharp with mafic dyke.	X095421	ASSAY	TB19049334	138.61	139.24	0.63	0.018	0.003	0.014	0.041	0.037	0.005
			X095422	ASSAY	TB19049334	139.24	140.00	0.76	0.042	0.003	0.018	0.028	0.021	0.003
			X095423	ASSAY	TB19049334	140.00	140.90	0.90	0.045	0.008	0.013	0.019	0.021	0.004
			X095424	ASSAY	TB19049334	140.90	142.00	1.10	0.001	0.003	0.001	0.012	0.023	0.006
			X095425	ASSAY	TB19049334	142.00	142.73	0.73	0.001	0.003	0.001	0.013	0.022	0.006
			X095426	ASSAY	TB19049334	142.73	143.93	1.20	0.018	0.003	0.010	0.029	0.031	0.005
			X095427	ASSAY	TB19049334	143.93	145.00	1.07	0.083	0.011	0.012	0.018	0.026	0.005
			X095428	ASSAY	TB19049334	145.00	146.00	1.00	0.001	0.003	0.002	0.010	0.029	0.007
			X095429	ASSAY	TB19049334	146.00	147.00	1.00	0.001	0.003	0.001	0.007	0.024	0.005
			X095430	ASSAY	TB19049334	147.00	147.97	0.97	0.001	0.003	0.001	0.010	0.021	0.004
147.97	149.19	**DIKE-Mafic** 147.97 - 149.19m. Deformed, dark green, fg Mafic Dike. Nonmagnetic. Localized whispy bands of beige plag throughout. Small, broken and deformed, milky quartz veins are randomly distributed, follow local moderate to strong foliation at 30dtca. Pervasive, moderate Chlorite - Actinolite alt. Mineralization is Fg-Mg, blebby Py (0.1%). Angular blebs up to 6mm, often at margins of plag "sweats". Trace Cpy in some larger Py blebs. Mineralization is strongest near lower contact. Upper contact between mafic dike and GAB-Vt is sharp, planar at 60dtca. Lower contact is more deformed, difuse on cm scale, roughly planar in habit at 50dtca. Lower contact, Mafic Dike to GAB-Vt, marked by stronger quartz veining and foliation.	X095431	ASSAY	TB19049334	147.97	149.19	1.22	0.047	0.006	0.007	0.021	0.027	0.007

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
149.19	163.78	**GAB-Vt** 149.19 - 163.78m. Medium green, weakly mineralized, Fg-Cg, GAB-Vt. 45-60% Subhedral, fg-Mg, beige to pinkish purple plag. Interval shows little fracturing or veining. Pervasive weak to moderate Chlorite-Actinolite alt. Minor patches of mg Bronzite, locally up to 20%. 0.2% Fg-Mg, blebby Py>Po, up to 4mm. Patchy, very fg, disseminated Py. Upper contact with mafic dike is weakly difuse over cm scale, roughly 50dtca. Lower contact with Mafic dike is sharp, planar at 60dtca.	X095432	ASSAY	TB19049334	149.19	150.00	0.81	0.033	0.003	0.017	0.042	0.052	0.007
			X095433	ASSAY	TB19049334	150.00	151.00	1.00	0.334	0.035	0.044	0.050	0.046	0.008
			X095434	ASSAY	TB19049334	151.00	152.00	1.00	0.012	0.003	0.003	0.017	0.031	0.006
			X095435	ASSAY	TB19049334	152.00	153.00	1.00	0.081	0.012	0.009	0.037	0.056	0.007
			X095436	ASSAY	TB19049334	153.00	154.00	1.00	0.032	0.003	0.011	0.022	0.027	0.006
			X095437	ASSAY	TB19049334	154.00	155.00	1.00	0.017	0.005	0.008	0.019	0.027	0.005
			X095439	ASSAY	TB19049334	155.00	156.00	1.00	0.059	0.007	0.013	0.025	0.038	0.006
			X095440	ASSAY	TB19049334	156.00	157.00	1.00	0.110	0.008	0.030	0.052	0.050	0.006
			X095441	ASSAY	TB19049334	157.00	158.00	1.00	0.007	0.003	0.018	0.065	0.080	0.008
			X095442	ASSAY	TB19049334	158.00	159.00	1.00	0.022	0.003	0.013	0.045	0.049	0.006
			X095443	ASSAY	TB19049334	159.00	160.00	1.00	0.002	0.003	0.004	0.032	0.045	0.007
			X095444	ASSAY	TB19049334	160.00	161.00	1.00	0.002	0.003	0.002	0.029	0.053	0.008
			X095445	ASSAY	TB19049334	161.00	162.00	1.00	0.025	0.003	0.003	0.021	0.041	0.008
			X095446	ASSAY	TB19049334	162.00	163.00	1.00	0.116	0.013	0.015	0.078	0.106	0.012
			X095447	ASSAY	TB19049334	163.00	163.78	0.78	0.001	0.003	0.001	0.011	0.033	0.006
163.78	165.37	**DIKE-Mafic** 163.78 - 165.37m. Fg Mafic Dike. Nonmagnetic and weakly mineralized. Weak pervasive chlorite-actinolite alt. Fractures show narrow, mm scale, light green alt halos. Several irregular shaped Norite Xenoliths within dike. Disseminated, fg, blebs of Py>>Po (0.1%) Contacts are sharp but irregular in habit. Upper contact is sharp and roughly planar at 60dtca. Lower contact is sharp, irregular and stepped at around 15dtca.	X095448	ASSAY	TB19049334	163.78	164.56	0.78	0.001	0.003	0.001	0.017	0.029	0.006
			X095449	ASSAY	TB19049334	164.56	165.37	0.81	0.007	0.003	0.002	0.018	0.031	0.007

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
165.37	180.66	**NOR-Vt** 165.37 - 180.66m. Medium Purple-green, fg-Cg, Varitextured Norite. Variabe mixed unit, dominantly Mg Norite (30-40% bronzite). Several finer grained lenses and patches of GAB-Vt throughout. Minor patches (10-20cm) of strongly magnetic Norite local to transition zones between Norite-Gabbro. Dark grey-black magnetite rich stringers within these zones. Pervasive weak Chlorite-Actinolite alteration. Mineralization (0.1%) is dominantly fg blebby Py>Po with localized, narrow cm scale patches of intercumulus fg Py>Po. Lower contact with mafic dike is sharp, planar and at 40dtca.	X095450	ASSAY	TB19049334	165.37	166.00	0.63	0.003	0.003	0.003	0.025	0.038	0.006
			X095451	ASSAY	TB19049334	166.00	167.00	1.00	0.001	0.003	0.001	0.015	0.035	0.008
			X095452	ASSAY	TB19049334	167.00	168.00	1.00	0.019	0.003	0.010	0.034	0.052	0.010
			X095453	ASSAY	TB19068654	168.00	169.00	1.00	0.051	0.017	0.004	0.015	0.027	0.005
			X095454	ASSAY	TB19068654	169.00	170.00	1.00	0.036	0.003	0.001	0.013	0.030	0.005
			X095455	ASSAY	TB19068654	170.00	171.00	1.00	0.069	0.012	0.009	0.013	0.031	0.005
			X095456	ASSAY	TB19068654	171.00	172.00	1.00	0.166	0.009	0.012	0.019	0.036	0.007
			X095457	ASSAY	TB19068654	172.00	173.00	1.00	0.004	0.003	0.003	0.011	0.027	0.005
			X095459	ASSAY	TB19068654	173.00	174.00	1.00	0.002	0.003	0.001	0.015	0.034	0.006
			X095460	ASSAY	TB19068654	174.00	175.00	1.00	0.004	0.003	0.001	0.026	0.047	0.008
			X095461	ASSAY	TB19068654	175.00	176.00	1.00	0.027	0.003	0.005	0.030	0.056	0.008
			X095462	ASSAY	TB19068654	176.00	177.00	1.00	0.129	0.011	0.006	0.020	0.039	0.006
			X095463	ASSAY	TB19068654	177.00	178.00	1.00	0.026	0.003	0.002	0.009	0.027	0.005
			X095464	ASSAY	TB19049334	178.00	179.00	1.00	0.065	0.006	0.008	0.014	0.025	0.006
			X095465	ASSAY	TB19049334	179.00	179.83	0.83	0.029	0.003	0.002	0.010	0.027	0.005
			X095466	ASSAY	TB19049334	179.83	180.66	0.83	0.001	0.003	0.001	0.008	0.025	0.005
180.66	182.33	**DIKE-Mafic** 180.66 - 182.33m. Medium grey, fg, nonmagnetic, Mafic Dike. Roughly 40-50%, fg, beige plag. Trace very Fg, disseminated Py (0.1%). Pervasive weak Chlorite-Actinolite alt. Fractures and stringers show narrow light green alt halos. Upper and lower contacts are sharp and planar. Upper contact at 40dtca, lower at 60dtca.	X095467	ASSAY	TB19049334	180.66	181.50	0.84	0.001	0.003	0.003	0.009	0.018	0.006
			X095468	ASSAY	TB19049334	181.50	182.33	0.83	0.019	0.003	0.002	0.009	0.019	0.006

From	To	Lithology
182.33	206.78	**GAB-Vt**

182.33 - 206.78m. Light to med green and beige Gabbro-Vt.
Patches of purplish pink plag throughout, often occurs with variable amounts of mg Bronzite. Fg-Mg, light green Diopside randomly distributed throughout (5-10% local).
Pervasive weak Chlorite-Actinolite alt. Low frequency, narrow, pale greenish yellow bands of sericite occur proximal to lower contact with intermediate dike.
Weakly magnetic in patches.
Mineralization is dominated by Blebby Py>>Po, 0.1%. Blebs measure up to 5mm. Localized, narrow zones of disseminated very fg Py. Trace Cpy in larger fractionated blebs.
Lower contact with intermediate, fg dike is sharp, planar and at 45dtca.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X095469	ASSAY	TB19049334	182.33	183.00	0.67	0.123	0.010	0.022	0.031	0.051	0.008
X095470	ASSAY	TB19049334	183.00	184.00	1.00	0.031	0.003	0.003	0.013	0.038	0.007
X095471	ASSAY	TB19049334	184.00	185.00	1.00	0.001	0.003	0.001	0.011	0.044	0.008
X095472	ASSAY	TB19049334	185.00	186.00	1.00	0.010	0.003	0.002	0.011	0.039	0.007
X095473	ASSAY	TB19049334	186.00	187.00	1.00	0.008	0.003	0.002	0.012	0.037	0.007
X095474	ASSAY	TB19049334	187.00	188.00	1.00	0.009	0.003	0.003	0.011	0.028	0.007
X095478	ASSAY	TB19049335	188.00	189.00	1.00	0.009	0.003	0.003	0.019	0.031	0.006
X095479	ASSAY	TB19049335	189.00	190.00	1.00	0.067	0.006	0.006	0.011	0.025	0.004
X095480	ASSAY	TB19049335	190.00	191.00	1.00	0.002	0.003	0.001	0.008	0.025	0.004
X095481	ASSAY	TB19049335	191.00	192.00	1.00	0.001	0.003	0.001	0.009	0.025	0.004
X095482	ASSAY	TB19049335	192.00	193.00	1.00	0.389	0.039	0.042	0.035	0.032	0.004
X095483	ASSAY	TB19049335	193.00	194.00	1.00	0.001	0.003	0.001	0.007	0.026	0.004
X095484	ASSAY	TB19049335	194.00	195.00	1.00	0.027	0.003	0.002	0.007	0.026	0.004
X095485	ASSAY	TB19049335	195.00	196.00	1.00	0.531	0.045	0.027	0.032	0.036	0.005
X095486	ASSAY	TB19049335	196.00	197.00	1.00	0.099	0.010	0.007	0.013	0.039	0.005
X095487	ASSAY	TB19049335	197.00	198.00	1.00	0.016	0.003	0.002	0.007	0.022	0.004
X095488	ASSAY	TB19049335	198.00	199.00	1.00	0.001	0.003	0.001	0.010	0.023	0.004
X095489	ASSAY	TB19049335	199.00	200.00	1.00	0.074	0.008	0.001	0.009	0.023	0.004
X095490	ASSAY	TB19049335	200.00	201.00	1.00	0.096	0.021	0.008	0.013	0.027	0.004
X095491	ASSAY	TB19049335	201.00	202.00	1.00	0.050	0.003	0.013	0.037	0.041	0.005
X095492	ASSAY	TB19049335	202.00	203.00	1.00	0.125	0.012	0.006	0.016	0.026	0.005
X095493	ASSAY	TB19049335	203.00	204.00	1.00	0.034	0.003	0.035	0.053	0.028	0.005
X095494	ASSAY	TB19049335	204.00	205.00	1.00	0.006	0.003	0.001	0.007	0.027	0.005
X095495	ASSAY	TB19049335	205.00	206.00	1.00	0.020	0.003	0.009	0.026	0.027	0.005
X095497	ASSAY	TB19049335	206.00	206.78	0.78	0.102	0.011	0.026	0.038	0.024	0.005

From	To	Lithology
206.78	208.75	**DIKE-Intermediate** 206.78 - 208.75m. Light grey, fg intermediate Dike. 50% very Fg euhedral to subhedral, beige plag. Feldpsar porphyry? Med grey aphanetic GM. Contacts are sharp and planar. Upper contact is at 45dtca, Lower at 40dtca. Upper contact is marked by pale yellow-bleached alteration for about 35cm. Mineralization (0.2%) is dominantly very fg disseminated Py with localized fracture fill.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X095498	ASSAY	TB19049335	206.78	207.75	0.97	0.001	0.003	0.001	0.004	0.002	0.001
X095499	ASSAY	TB19049335	207.75	208.75	1.00	0.001	0.003	0.001	0.003	0.002	0.001

From	To	Lithology
208.75	301.10	**GAB-Vt**

208.75 - 301.10m. Medium green and beige, Fg-Mg Varitextured Gabbro.
This interval leads into the main offset fault and hosts several smaller splays with minor gouge and fracture zones. Widespread but patchy, low intensity, brittle deformation throughout interval. Deformation Increases downhole leading into main fault zone at 300m.

GAB-Vt ranges from fg-mg, with minor patches of Cg to Vcg near upper contact. Massive variable texture with patchy weak foliation. Plag varies slightly but overall subhedral to euhedral, beige, makes up around 50-60%. Pxy is weakly to moderately chlorite and actinolite altered. Localized patches Pyx is altered to a strong and vibrant but pale green with moderate to strong pearly luster, scratches fairly easily with scribe... alt Diopside?

Unit is strongly fractured proximal to smaller faults with gouge and leading into main offset fault. Fractures are filled by chlorite, quartz and minor calcite.
Mineralization is primarily blebby Py>>Cpy-Po, 1-4mm subangular to rounded, 0.1-0.2% overall. Fractionated blebs are minor. Localized intercumulus-disseminated patches on cm scale randomly distributed throughout at low frequency.

Subunits:
249.0 - 249.30m, 264.9 - 265.1m. Narrow zones of brittle deformation with strong fracturing, quartz carbonate veins, strong chlorite alt and minor fault gouge.
260.25 - 264.9m. Zone of stronger brittle deformation, moderate to strong fracturing filled with quartz-calcite. Some fractures broken and irregular in habit.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X095500	ASSAY	TB19049335	208.75	210.00	1.25	0.033	0.003	0.006	0.016	0.028	0.004
X095501	ASSAY	TB19049335	210.00	211.00	1.00	0.179	0.010	0.014	0.025	0.033	0.005
X095502	ASSAY	TB19049335	211.00	212.00	1.00	0.550	0.113	0.017	0.039	0.041	0.005
X095503	ASSAY	TB19049335	212.00	213.00	1.00	0.315	0.032	0.008	0.014	0.034	0.003
X095504	ASSAY	TB19049335	213.00	214.00	1.00	0.049	0.005	0.007	0.014	0.024	0.003
X095505	ASSAY	TB19049335	214.00	215.00	1.00	0.303	0.026	0.008	0.011	0.036	0.004
X095506	ASSAY	TB19049335	215.00	216.00	1.00	0.298	0.017	0.041	0.068	0.057	0.006
X095507	ASSAY	TB19049335	216.00	217.00	1.00	1.200	0.073	0.085	0.091	0.064	0.007
X095508	ASSAY	TB19049335	217.00	218.00	1.00	0.045	0.006	0.007	0.015	0.025	0.004
X095509	ASSAY	TB19049335	218.00	219.00	1.00	0.006	0.003	0.001	0.009	0.025	0.004
X095510	ASSAY	TB19049335	219.00	220.00	1.00	0.159	0.013	0.002	0.009	0.030	0.004
X095511	ASSAY	TB19049335	220.00	221.00	1.00	0.037	0.005	0.001	0.009	0.025	0.004
X095512	ASSAY	TB19049335	221.00	222.00	1.00	0.019	0.003	0.003	0.011	0.026	0.004
X095513	ASSAY	TB19049335	222.00	223.00	1.00	0.107	0.009	0.004	0.014	0.029	0.004
X095514	ASSAY	TB19049335	223.00	224.00	1.00	0.068	0.006	0.003	0.013	0.027	0.004
X095515	ASSAY	TB19049335	224.00	225.00	1.00	0.345	0.022	0.013	0.017	0.030	0.004
X095517	ASSAY	TB19049335	225.00	226.00	1.00	0.428	0.037	0.011	0.017	0.036	0.004
X095518	ASSAY	TB19049335	226.00	227.00	1.00	0.025	0.003	0.001	0.010	0.029	0.004
X095519	ASSAY	TB19049335	227.00	228.00	1.00	0.048	0.003	0.001	0.009	0.027	0.004
X095520	ASSAY	TB19049335	228.00	229.00	1.00	0.489	0.028	0.026	0.035	0.067	0.007
X095521	ASSAY	TB19049335	229.00	230.00	1.00	0.001	0.003	0.001	0.013	0.039	0.006
X095522	ASSAY	TB19049335	230.00	231.00	1.00	0.008	0.003	0.002	0.011	0.032	0.005
X095523	ASSAY	TB19049335	231.00	232.00	1.00	0.041	0.005	0.001	0.016	0.034	0.005
X095524	ASSAY	TB19049335	232.00	233.00	1.00	0.037	0.003	0.001	0.011	0.033	0.005
X095525	ASSAY	TB19049335	233.00	234.00	1.00	0.001	0.003	0.001	0.012	0.035	0.005
X095526	ASSAY	TB19049335	234.00	235.00	1.00	0.285	0.003	0.006	0.020	0.037	0.005
X095527	ASSAY	TB19049335	235.00	236.00	1.00	0.001	0.003	0.001	0.010	0.032	0.005
X095528	ASSAY	TB19049335	236.00	237.00	1.00	0.001	0.003	0.001	0.008	0.031	0.005
X095529	ASSAY	TB19049335	237.00	238.00	1.00	0.077	0.003	0.008	0.020	0.037	0.005
X095530	ASSAY	TB19049335	238.00	239.00	1.00	0.404	0.028	0.051	0.024	0.043	0.006
X095531	ASSAY	TB19049335	239.00	240.00	1.00	0.071	0.003	0.004	0.011	0.033	0.005

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			X095532	ASSAY	TB19049335	240.00	241.00	1.00	0.007	0.003	0.001	0.008	0.031	0.005
			X095533	ASSAY	TB19049335	241.00	242.00	1.00	0.001	0.003	0.001	0.008	0.029	0.005
			X095534	ASSAY	TB19049335	242.00	243.00	1.00	0.056	0.006	0.008	0.012	0.030	0.005
			X095535	ASSAY	TB19049335	243.00	244.00	1.00	0.530	0.037	0.089	0.077	0.046	0.006
			X095537	ASSAY	TB19049335	244.00	245.00	1.00	0.070	0.005	0.006	0.012	0.024	0.005
			X095538	ASSAY	TB19049335	245.00	246.00	1.00	0.017	0.003	0.001	0.009	0.019	0.004
			X095539	ASSAY	TB19049335	246.00	247.00	1.00	0.001	0.003	0.003	0.009	0.017	0.004
			X095540	ASSAY	TB19049335	247.00	248.00	1.00	0.020	0.003	0.015	0.009	0.016	0.005
			X095541	ASSAY	TB19049335	248.00	249.00	1.00	0.324	0.025	0.008	0.031	0.039	0.005
			X095542	ASSAY	TB19049335	249.00	250.00	1.00	0.022	0.003	0.016	0.019	0.035	0.005
			X095543	ASSAY	TB19049335	250.00	251.00	1.00	0.126	0.017	0.007	0.037	0.084	0.007
			X095544	ASSAY	TB19049335	251.00	252.00	1.00	0.344	0.024	0.003	0.019	0.048	0.006
			X095545	ASSAY	TB19049335	252.00	253.00	1.00	0.585	0.039	0.021	0.028	0.057	0.007
			X095546	ASSAY	TB19049335	253.00	254.00	1.00	0.112	0.012	0.025	0.015	0.048	0.008
			X095547	ASSAY	TB19049335	254.00	255.00	1.00	0.349	0.011	0.022	0.021	0.051	0.008
			X095548	ASSAY	TB19049335	255.00	256.00	1.00	0.434	0.029	0.043	0.040	0.061	0.008
			X095549	ASSAY	TB19049335	256.00	257.00	1.00	0.456	0.041	0.040	0.034	0.064	0.008
			X095550	ASSAY	TB19049335	257.00	258.00	1.00	0.340	0.019	0.032	0.023	0.051	0.008
			X095551	ASSAY	TB19049335	258.00	259.00	1.00	0.122	0.016	0.031	0.016	0.042	0.008
			X095552	ASSAY	TB19049335	259.00	260.00	1.00	0.083	0.008	0.005	0.012	0.043	0.007
			X095556	ASSAY	TB19052259	260.00	261.00	1.00	0.302	0.023	0.007	0.024	0.049	0.008
			X095557	ASSAY	TB19052259	261.00	262.00	1.00	0.152	0.012	0.012	0.019	0.041	0.007
			X095558	ASSAY	TB19052259	262.00	263.00	1.00	0.339	0.037	0.025	0.034	0.051	0.008
			X095559	ASSAY	TB19052259	263.00	264.00	1.00	0.148	0.013	0.007	0.020	0.051	0.008
			X095560	ASSAY	TB19052259	264.00	265.00	1.00	1.180	0.094	0.031	0.067	0.104	0.012
			X095561	ASSAY	TB19052259	265.00	266.00	1.00	0.168	0.017	0.003	0.018	0.056	0.010
			X095562	ASSAY	TB19052259	266.00	267.00	1.00	0.013	0.003	0.002	0.008	0.040	0.007
			X095563	ASSAY	TB19052259	267.00	268.00	1.00	0.009	0.003	0.001	0.007	0.035	0.007
			X095564	ASSAY	TB19052259	268.00	269.00	1.00	0.058	0.003	0.002	0.027	0.034	0.007
			X095565	ASSAY	TB19052259	269.00	270.00	1.00	0.014	0.003	0.009	0.033	0.026	0.006
			X095566	ASSAY	TB19052259	270.00	271.00	1.00	0.194	0.015	0.021	0.058	0.036	0.007
			X095567	ASSAY	TB19052259	271.00	272.00	1.00	0.127	0.010	0.008	0.016	0.025	0.005

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			X095568	ASSAY	TB19052259	272.00	273.00	1.00	0.015	0.003	0.004	0.011	0.024	0.005
			X095569	ASSAY	TB19052259	273.00	274.00	1.00	0.001	0.003	0.012	0.035	0.028	0.006
			X095570	ASSAY	TB19052259	274.00	275.00	1.00	0.349	0.016	0.036	0.064	0.063	0.007
			X095571	ASSAY	TB19052259	275.00	276.00	1.00	0.063	0.007	0.007	0.017	0.031	0.005
			X095572	ASSAY	TB19052259	276.00	277.00	1.00	0.006	0.003	0.003	0.017	0.036	0.005
			X095573	ASSAY	TB19052259	277.00	278.00	1.00	0.061	0.006	0.003	0.018	0.029	0.005
			X095575	ASSAY	TB19052259	278.00	279.00	1.00	0.111	0.006	0.004	0.013	0.030	0.004
			X095576	ASSAY	TB19052259	279.00	280.00	1.00	0.805	0.008	0.014	0.026	0.033	0.004
			X095577	ASSAY	TB19052259	280.00	281.00	1.00	0.705	0.018	0.010	0.055	0.036	0.005
			X095578	ASSAY	TB19052259	281.00	282.00	1.00	0.083	0.003	0.007	0.019	0.024	0.004
			X095579	ASSAY	TB19052259	282.00	283.00	1.00	0.008	0.003	0.005	0.014	0.020	0.004
			X095580	ASSAY	TB19052259	283.00	284.00	1.00	0.004	0.003	0.051	0.011	0.021	0.004
			X095581	ASSAY	TB19052259	284.00	285.00	1.00	0.014	0.003	0.005	0.007	0.025	0.004
			X095582	ASSAY	TB19052259	285.00	286.00	1.00	0.202	0.016	0.008	0.017	0.028	0.004
			X095583	ASSAY	TB19052259	286.00	287.00	1.00	0.056	0.003	0.005	0.014	0.024	0.004
			X095584	ASSAY	TB19052259	287.00	288.00	1.00	0.147	0.013	0.007	0.016	0.028	0.005
			X095585	ASSAY	TB19052259	288.00	289.00	1.00	0.123	0.043	0.005	0.013	0.032	0.005
			X095586	ASSAY	TB19052259	289.00	290.00	1.00	0.072	0.003	0.002	0.012	0.036	0.005
			X095587	ASSAY	TB19052259	290.00	291.00	1.00	0.041	0.003	0.001	0.014	0.033	0.005
			X095588	ASSAY	TB19052259	291.00	292.00	1.00	0.551	0.016	0.008	0.028	0.040	0.004
			X095589	ASSAY	TB19052259	292.00	293.00	1.00	0.018	0.003	0.025	0.015	0.025	0.005
			X095590	ASSAY	TB19052259	293.00	294.00	1.00	0.041	0.003	0.003	0.030	0.036	0.006
			X095591	ASSAY	TB19052259	294.00	295.00	1.00	0.616	0.038	0.009	0.040	0.059	0.007
			X095592	ASSAY	TB19052259	295.00	296.00	1.00	0.056	0.007	0.003	0.026	0.030	0.006
			X095593	ASSAY	TB19052259	296.00	297.00	1.00	0.153	0.014	0.004	0.019	0.034	0.005
			X095595	ASSAY	TB19052259	297.00	298.00	1.00	0.487	0.037	0.002	0.041	0.063	0.007
			X095596	ASSAY	TB19052259	298.00	299.00	1.00	0.012	0.003	0.001	0.004	0.020	0.004
			X095597	ASSAY	TB19052259	299.00	300.00	1.00	0.003	0.003	0.001	0.006	0.021	0.005
			X095598	ASSAY	TB19052259	300.00	301.01	1.01	0.002	0.003	0.001	0.019	0.013	0.004
			X095599	ASSAY	TB19052259	301.01	302.00	0.99	0.016	0.003	0.001	0.001	0.002	0.001

From	To	Lithology
301.10	306.65	**FAULT-Bx**

301.10 - 306.65m. Intercept main Offset Fault. This deformation zone extends in both directions from the main interval described. Faulting identified by strong fracturing, brecciation and local gouge. The fault is dominantly brittle fracturing and brecciation with localized narrow zones of ductile shearing.

Upper contact of main fault marked by appearence of stongly deformed, pink K-Hem alt tonalite/Granodiorite dike leading into narrow zone of narrow brecciation, reduction of grainsize and gouge. Lower contact between fault-LGAB is sharp, moderately irregular at roughly 20-25dtca.
Zone shows strong sericite banding along high frequency fracturing at various orientations. Pervasive strong chlorite alt and pervassivve epidote with patchy variablity. Hematite staining and coatings on some fracture surfaces. Fault zone itself lacks significant mineralization although slight increase in Py noted in footwall to strongest def zone.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X095600	ASSAY	TB19052259	302.00	303.00	1.00	0.145	0.012	0.001	0.001	0.016	0.003
X095601	ASSAY	TB19052259	303.00	304.00	1.00	0.049	0.005	0.001	0.000	0.025	0.005
X095602	ASSAY	TB19052259	304.00	305.00	1.00	0.008	0.003	0.001	0.002	0.022	0.003
X095603	ASSAY	TB19052259	305.00	305.82	0.82	0.277	0.037	0.001	0.003	0.033	0.004
X095604	ASSAY	TB19052259	305.82	306.65	0.83	0.103	0.013	0.008	0.007	0.016	0.003

From	To	Lithology
306.65	324.33	**LGAB** 306.65-324.33m. White and Green, Cg Leucogabbro. This interval is still part of the overall offset fault although deformation is now expressed as wider spaced fracturing and strong hematite-potassic and epidote alteration as well as several small mafic dikes. Mafic dikes host irregular shaped xenoliths of banded or gneissic tonalite/granodiorite. Dikes vary in thickness and orientation. Leucogabbro is strongly bleached and Sericite alt proximal to upper contact with Fault. Alteration and defomration gradationally decreases downhole from fault. Core begins to take on patchy, strong Greenish-Red hue. Hue is a result of mod to strong, patchy K-Hem and epidote alt. Color is dependent on which alt dominates locally. Sericite alteration becomes confined to bands along fracture planes again. Calcite present along some fracture fills with quartz. Trace, fg disseminated Py. Lower contact with Gab-Vt is marked by narrow mafic dike, sharp and planar at 80dtca.
324.33	334.10	**GAB-Vt** 324.33-334.10m. Med Green and beige Varitextured Gabbro. Interval is still being affected by the Offset fault. Fracturing and alteration are decreasing but still present. This interval leads into a zone with multiple foliated and nonfoliated mafic dikes hosting several gneissic/banded xenos of tonalite/granodiorite. Gab-Vt ranges from mg to local narrow PEG sections. Pervassive but slightly variable Chlorite-Actinolite alt. Patchy moderate-strong epidote alt. Stringers filled with quartz-sericite. Mineralization is weak and dominantly fg-mg, subhedral to euhedral Py (0.1%). Trace fg Cpy.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X095605	ASSAY	TB19052259	306.65	307.70	1.05	0.007	0.003	0.001	0.001	0.020	0.003
X095606	ASSAY	TB19052259	307.70	309.00	1.30	0.015	0.003	0.001	0.001	0.025	0.003
X095607	ASSAY	TB19052259	309.00	310.00	1.00	0.115	0.013	0.001	0.004	0.033	0.004
X095608	ASSAY	TB19052259	310.00	311.00	1.00	0.138	0.011	0.001	0.027	0.046	0.004
X095609	ASSAY	TB19052259	311.00	312.00	1.00	0.002	0.003	0.001	0.001	0.019	0.003
X095610	ASSAY	TB19052259	312.00	313.00	1.00	0.083	0.008	0.001	0.001	0.026	0.003
X095611	ASSAY	TB19052259	313.00	314.00	1.00	0.032	0.003	0.001	0.015	0.030	0.004
X095612	ASSAY	TB19052259	314.00	315.00	1.00	0.049	0.005	0.001	0.013	0.023	0.003
X095613	ASSAY	TB19052259	315.00	316.00	1.00	0.429	0.068	0.002	0.011	0.022	0.003
X095615	ASSAY	TB19052259	316.00	317.00	1.00	0.645	0.082	0.005	0.038	0.043	0.005
X095616	ASSAY	TB19052259	317.00	318.00	1.00	0.036	0.003	0.001	0.007	0.017	0.003
X095617	ASSAY	TB19052259	318.00	319.00	1.00	0.042	0.006	0.002	0.014	0.020	0.003
X095618	ASSAY	TB19052259	319.00	320.00	1.00	0.087	0.007	0.001	0.007	0.018	0.003
X095619	ASSAY	TB19052259	320.00	321.00	1.00	0.070	0.003	0.005	0.020	0.017	0.003
X095620	ASSAY	TB19052259	321.00	322.00	1.00	0.008	0.003	0.003	0.039	0.010	0.003
X095621	ASSAY	TB19052259	322.00	323.00	1.00	0.008	0.003	0.007	0.004	0.015	0.003
X095622	ASSAY	TB19052259	323.00	324.33	1.33	0.043	0.003	0.001	0.017	0.019	0.003
X095623	ASSAY	TB19052259	324.33	325.16	0.83	0.012	0.003	0.001	0.003	0.016	0.004
X095624	ASSAY	TB19052259	325.16	326.00	0.84	0.018	0.003	0.001	0.009	0.014	0.003
X095625	ASSAY	TB19052259	326.00	327.00	1.00	0.096	0.008	0.001	0.014	0.024	0.004
X095626	ASSAY	TB19052259	327.00	328.00	1.00	0.068	0.003	0.001	0.014	0.024	0.005
X095627	ASSAY	TB19052259	328.00	329.00	1.00	0.008	0.003	0.001	0.016	0.029	0.006
X095628	ASSAY	TB19052259	329.00	330.00	1.00	0.069	0.005	0.005	0.032	0.038	0.006
X095629	ASSAY	TB19052259	330.00	331.00	1.00	0.215	0.022	0.006	0.033	0.036	0.004
X095630	ASSAY	TB19052259	331.00	332.00	1.00	0.273	0.030	0.004	0.019	0.027	0.003
X095634	ASSAY		332.00	333.00	1.00						
X095635	ASSAY		333.00	334.10	1.10						

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
334.10	335.55	**DIKE-Mafic** 334.10 - 355.55m. Fg, dark grey, weakly foliated Mafic Dike. Weak foliation defined by small, black, elongate chlorite alt Amphibole? Foliation at 70dtca. Pervassive moderate Chlorite-Actinolite. Moderate intensity fracturing with narrow light greenish bleached halos, often host fg Py. Py also disseminated throughout 0.2 - 0.5%. Sharp planar upper and lower contacts. Upper contact at 80dtca, Lower contact at 70dtca.	X095636	ASSAY		334.10	335.55	1.45						
335.55	338.60	**GAB** 335.55 - 338.60m. Green and beige Varitextured Gabbro. Less altered than previous. Small wedge of Gabbro between mafic Dikes. Pervassive moderate Chlorite-Actinolite. Sericite restricted to narrow bands along fractures. Trace Calcite in the odd fracture. Hosts fg blebby Py 0.1%	X095637	ASSAY		335.55	336.60	1.05						
			X095638	ASSAY		336.60	337.60	1.00						
			X095639	ASSAY		337.60	338.60	1.00						
338.60	348.20	**DIKE-Mafic** 338.60 - 348.20m. Light to med grey green Mafic Dike. Dike is a fairly chaotic mix of deformed pink Tonalitic/Granitic, often whispy irregular clasts at random orientations. Looks like may have partially assimilated gneissic basement. Narrow interval of Gabbro splits unit although even this interval has several whispy splays of mafic dike within. Dike looks weakly bleached in patches and proximal to lower contact with GAB-Vt. Pervassive moderate chlorite alt. Patchy weak silicification. Narrow mm scale light green bleached halos surround fracturing +- Py. Subunit: 342.75 - 346.42m. Mixed unit. Gabbro dominant with whispy splays of mafic dike throughout. Trace fg blebby Py.	X095640	ASSAY		338.60	339.60	1.00						
			X095641	ASSAY		339.60	340.60	1.00						
			X095642	ASSAY		340.60	341.60	1.00						
			X095643	ASSAY		341.60	342.75	1.15						
			X095644	ASSAY		342.75	344.00	1.25						
			X095645	ASSAY		344.00	345.00	1.00						
			X095646	ASSAY		345.00	346.42	1.42						
			X095647	ASSAY		346.42	347.32	0.90						
			X095648	ASSAY		347.32	348.20	0.88						

From	To	Lithology
348.20	412.21	**GAB-Vt**

348.20 - 412.21m. Light to Med Green and Beige Varitextured Gabbro.

Interval is fairly homogeneous and competent for Varitextured Gabbro. Ranges from fg-Cg, lacks significant PEG patches. Pervassive moderate chlorite-actinolite alt. Narrow patches of weak epidote alt throughout. Trace calcite alt restricted to irregular stringers and planar fracture fills. Plag takes on weak purplish hue locally, otherwise fairly clean beige-white.
Very Little fracturing or veining throughout. Lower contact with Mafic Dike is sharp and planar at 30dtca, Dike has narrow bleached margins.

This interval hosts a zone of increased mineralized relative to above the Offset Fault. Dominantly blebby Py>>Cpy with local patches of disseminated Subhedral to Euhedral Py, 0.3%. Far lesser Blebby Py-Cpy throughout although the occurance of Cpy has increased relative to previous Gab-Vt above the fault. Interval now shows little deformation and likely out of the Offset deformation zone. Core is competent with little fracturing or veining.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X095649	ASSAY		348.20	349.60	1.40						
X095650	ASSAY		349.60	351.00	1.40						
X095651	ASSAY		351.00	352.00	1.00						
X095653	ASSAY		352.00	353.00	1.00						
X095654	ASSAY		353.00	354.00	1.00						
X095655	ASSAY		354.00	355.00	1.00						
X095656	ASSAY		355.00	356.00	1.00						
X095657	ASSAY		356.00	357.00	1.00						
X095658	ASSAY		357.00	358.00	1.00						
X095659	ASSAY		358.00	359.00	1.00						
X095660	ASSAY		359.00	360.00	1.00						
X095661	ASSAY		360.00	361.00	1.00						
X095662	ASSAY		361.00	362.00	1.00						
X095663	ASSAY		362.00	363.00	1.00						
X095664	ASSAY		363.00	364.00	1.00						
X095665	ASSAY		364.00	365.00	1.00						
X095666	ASSAY		365.00	366.00	1.00						
X095667	ASSAY		366.00	367.00	1.00						
X095668	ASSAY		367.00	368.00	1.00						
X095669	ASSAY		368.00	369.00	1.00						
X095670	ASSAY		369.00	370.00	1.00						
X095671	ASSAY		370.00	371.00	1.00						
X095673	ASSAY		371.00	372.00	1.00						
X095674	ASSAY		372.00	373.00	1.00						
X095675	ASSAY		373.00	374.00	1.00						
X095676	ASSAY		374.00	375.00	1.00						
X095677	ASSAY		375.00	376.00	1.00						
X095678	ASSAY		376.00	377.00	1.00						
X095679	ASSAY		377.00	378.00	1.00						
X095680	ASSAY		378.00	379.00	1.00						
X095681	ASSAY		379.00	380.00	1.00						

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			X095682	ASSAY		380.00	381.00	1.00						
			X095683	ASSAY		381.00	382.00	1.00						
			X095684	ASSAY		382.00	383.00	1.00						
			X095685	ASSAY		383.00	384.00	1.00						
			X095686	ASSAY		384.00	385.00	1.00						
			X095687	ASSAY		385.00	386.00	1.00						
			X095688	ASSAY		386.00	387.00	1.00						
			X095689	ASSAY		387.00	388.00	1.00						
			X095690	ASSAY		388.00	389.00	1.00						
			X095691	ASSAY		389.00	390.00	1.00						
			X095693	ASSAY		390.00	391.00	1.00						
			X095694	ASSAY		391.00	392.00	1.00						
			X095695	ASSAY		392.00	393.00	1.00						
			X095696	ASSAY		393.00	394.00	1.00						
			X095697	ASSAY		394.00	395.00	1.00						
			X095698	ASSAY		395.00	396.00	1.00						
			X095699	ASSAY		396.00	397.00	1.00						
			X095700	ASSAY		397.00	398.00	1.00						
			X095701	ASSAY		398.00	399.00	1.00						
			X095702	ASSAY		399.00	400.00	1.00						
			X095703	ASSAY		400.00	401.00	1.00						
			X095704	ASSAY		401.00	402.00	1.00						
			X095705	ASSAY		402.00	403.00	1.00						
			X095706	ASSAY		403.00	404.00	1.00						
			X095707	ASSAY		404.00	405.00	1.00						
			X095708	ASSAY		405.00	406.00	1.00						
			X095712	ASSAY	TB19055383	406.00	407.00	1.00	0.495	0.065	0.047	0.036	0.036	0.005
			X095713	ASSAY	TB19055383	407.00	408.00	1.00	0.651	0.070	0.038	0.044	0.044	0.006
			X095714	ASSAY	TB19055383	408.00	409.00	1.00	0.825	0.080	0.027	0.068	0.058	0.006
			X095715	ASSAY	TB19055383	409.00	410.00	1.00	0.502	0.051	0.021	0.042	0.037	0.004
			X095716	ASSAY	TB19055383	410.00	411.00	1.00	0.621	0.070	0.007	0.031	0.039	0.004
			X095717	ASSAY	TB19055383	411.00	412.21	1.21	0.007	0.003	0.013	0.017	0.014	0.004

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
412.21	418.75	**DIKE-Mafic**	X095718	ASSAY	TB19055383	412.21	413.00	0.79	0.001	0.003	0.006	0.017	0.007	0.005
		412.21 - 418.75m. Fine grained, medium green Mafic Dike. Pervassive mod Chlorite-Actinolite alt. Trace calcite along fracture planes. Fractures often have narrow mm scale bleached/light green halos. Fracturing occurs at various orinetations but 30dtca seems dominant with minor cm scale offsets observed. Roughly 1%, mg-Cg, euhedral to subhedral Py. Disseminated and fracture fill. Upper contact is sharp and planar at 30dtca. Lower contact is more irregular, stepped, roughly at 30dtca.	X095719	ASSAY	TB19055383	413.00	414.00	1.00	0.001	0.003	0.002	0.006	0.006	0.004
			X095720	ASSAY	TB19055383	414.00	415.00	1.00	0.001	0.003	0.002	0.005	0.006	0.005
			X095721	ASSAY	TB19055383	415.00	416.00	1.00	0.001	0.003	0.002	0.006	0.007	0.005
			X095722	ASSAY	TB19055383	416.00	417.00	1.00	0.001	0.003	0.003	0.010	0.006	0.005
			X095723	ASSAY	TB19055383	417.00	418.00	1.00	0.002	0.003	0.015	0.022	0.010	0.006
			X095724	ASSAY	TB19055383	418.00	418.75	0.75	0.484	0.053	0.019	0.029	0.041	0.006

From	To	Lithology
418.75	505.79	**GAB-Vt**

418.75 - 505.79m. Light green, variably mineralized Varitextured Gabbro.
Interval shows an increase in grainsize variablity. Fg-Cg with minor Peg Patches. Generally subhedral to anhedral beige plag, 40-60%, altered to a weak purplish hue in patches.
Pervassive moderate chlorite-actinolite alt. Magnetite occurs in localized plag poor patches, correlates with a slight increase in Py-Cpy>Po mineralization. Trace calcite occurs as fracture fills.
Blebby Py with localized disseminations is the dominant mineralization. Strength varies slightly in patches but generally 0.1-0.2% Py-Cpy>Po.
Locally mineralization can reach up to 1% over 1m, Py-Cpy>Po. Blebby to intercumulus. This zone is hosted in a narrow patch of Melanogabbro with increased Chl-Act alt and increased Magnetite at 463. Lower contact with Leucogabbro is weakly diffuse over cm scale. Planar in habit and cuts at around 40dtca.

Subunit:
460.1 - 464.0m. Dark green-purplish, mg-cg, Norite lense. Fractured with stronger chlorite-Actinolite alt. Matrix is dark grey-black, individual grains look broken and fractured, no displacement observed. Interval has around 10-25% fg-mg Bronzite. Strongest mineralization locally, hosted in this zone.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X095725	ASSAY	TB19055383	418.75	420.00	1.25	0.039	0.003	0.006	0.018	0.025	0.004
X095726	ASSAY	TB19055383	420.00	421.00	1.00	0.004	0.003	0.014	0.019	0.033	0.005
X095727	ASSAY	TB19055383	421.00	422.00	1.00	0.030	0.003	0.006	0.018	0.026	0.005
X095728	ASSAY	TB19055383	422.00	423.00	1.00	0.033	0.003	0.003	0.010	0.024	0.005
X095729	ASSAY	TB19055383	423.00	424.00	1.00	0.027	0.003	0.002	0.008	0.026	0.004
X095731	ASSAY	TB19055383	424.00	425.00	1.00	0.324	0.027	0.014	0.020	0.038	0.005
X095732	ASSAY	TB19055383	425.00	426.00	1.00	0.159	0.010	0.018	0.019	0.030	0.005
X095733	ASSAY	TB19055383	426.00	427.00	1.00	0.108	0.022	0.016	0.026	0.032	0.006
X095734	ASSAY	TB19055383	427.00	428.00	1.00	0.013	0.003	0.004	0.010	0.024	0.005
X095735	ASSAY	TB19055383	428.00	429.00	1.00	0.030	0.003	0.005	0.011	0.026	0.005
X095736	ASSAY	TB19055383	429.00	430.00	1.00	0.013	0.003	0.008	0.015	0.027	0.005
X095737	ASSAY	TB19055383	430.00	431.00	1.00	0.029	0.003	0.006	0.012	0.026	0.005
X095738	ASSAY	TB19055383	431.00	432.00	1.00	0.118	0.009	0.005	0.015	0.030	0.005
X095739	ASSAY	TB19055383	432.00	433.00	1.00	0.082	0.008	0.005	0.016	0.030	0.005
X095740	ASSAY	TB19055383	433.00	434.00	1.00	0.033	0.003	0.017	0.028	0.032	0.006
X095741	ASSAY	TB19055383	434.00	435.00	1.00	0.035	0.003	0.006	0.019	0.030	0.006
X095742	ASSAY	TB19055383	435.00	436.00	1.00	0.018	0.003	0.009	0.020	0.035	0.006
X095743	ASSAY	TB19055383	436.00	437.00	1.00	0.004	0.003	0.007	0.014	0.028	0.006
X095744	ASSAY	TB19055383	437.00	438.00	1.00	0.014	0.003	0.010	0.017	0.027	0.006
X095745	ASSAY	TB19055383	438.00	439.00	1.00	0.049	0.005	0.010	0.015	0.026	0.005
X095746	ASSAY	TB19055383	439.00	440.00	1.00	0.008	0.003	0.004	0.007	0.025	0.005
X095747	ASSAY	TB19055383	440.00	441.00	1.00	0.028	0.003	0.006	0.013	0.024	0.005
X095748	ASSAY	TB19055383	441.00	442.00	1.00	0.552	0.084	0.012	0.014	0.025	0.004
X095749	ASSAY	TB19055383	442.00	443.00	1.00	0.103	0.009	0.013	0.016	0.031	0.006
X095751	ASSAY	TB19055383	443.00	444.00	1.00	0.007	0.003	0.004	0.009	0.024	0.005
X095752	ASSAY	TB19055383	444.00	445.00	1.00	0.036	0.003	0.005	0.010	0.022	0.005
X095753	ASSAY	TB19055383	445.00	446.00	1.00	0.284	0.019	0.024	0.022	0.036	0.006
X095754	ASSAY	TB19055383	446.00	447.00	1.00	0.010	0.003	0.004	0.011	0.023	0.005
X095755	ASSAY	TB19055383	447.00	448.00	1.00	0.183	0.016	0.015	0.020	0.028	0.005
X095756	ASSAY	TB19055383	448.00	449.00	1.00	0.220	0.024	0.034	0.023	0.031	0.006
X095757	ASSAY	TB19055383	449.00	450.00	1.00	0.008	0.003	0.005	0.010	0.022	0.004

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			X095758	ASSAY	TB19055383	450.00	451.00	1.00	0.890	0.097	0.112	0.049	0.054	0.006
			X095759	ASSAY	TB19055383	451.00	452.00	1.00	0.073	0.006	0.017	0.017	0.023	0.005
			X095760	ASSAY	TB19055383	452.00	453.00	1.00	0.039	0.003	0.010	0.010	0.021	0.004
			X095761	ASSAY	TB19055383	453.00	454.00	1.00	0.164	0.009	0.072	0.020	0.026	0.004
			X095762	ASSAY	TB19055383	454.00	455.00	1.00	0.089	0.005	0.015	0.018	0.027	0.005
			X095763	ASSAY	TB19055383	455.00	456.00	1.00	0.002	0.003	0.004	0.008	0.021	0.004
			X095764	ASSAY	TB19055383	456.00	457.00	1.00	0.007	0.003	0.004	0.011	0.021	0.005
			X095765	ASSAY	TB19055383	457.00	458.00	1.00	0.001	0.003	0.004	0.014	0.021	0.006
			X095766	ASSAY	TB19055383	458.00	459.00	1.00	0.030	0.003	0.005	0.013	0.021	0.005
			X095767	ASSAY	TB19055383	459.00	460.00	1.00	0.019	0.003	0.004	0.009	0.022	0.004
			X095768	ASSAY	TB19055383	460.00	461.00	1.00	0.124	0.014	0.023	0.015	0.025	0.005
			X095769	ASSAY	TB19055383	461.00	462.00	1.00	0.025	0.003	0.005	0.014	0.022	0.005
			X095771	ASSAY	TB19055383	462.00	463.00	1.00	1.840	0.226	0.108	0.076	0.076	0.007
			X095772	ASSAY	TB19055383	463.00	464.00	1.00	4.980	0.482	0.541	0.235	0.201	0.015
			X095773	ASSAY	TB19055383	464.00	465.00	1.00	0.706	0.077	0.089	0.035	0.043	0.006
			X095774	ASSAY	TB19055383	465.00	466.00	1.00	1.240	0.128	0.139	0.054	0.076	0.009
			X095775	ASSAY	TB19055383	466.00	467.00	1.00	0.143	0.011	0.009	0.015	0.025	0.005
			X095776	ASSAY	TB19055383	467.00	468.00	1.00	0.651	0.071	0.052	0.035	0.048	0.007
			X095777	ASSAY	TB19055383	468.00	469.00	1.00	0.028	0.008	0.005	0.011	0.022	0.005
			X095778	ASSAY	TB19055383	469.00	470.00	1.00	0.013	0.003	0.001	0.008	0.023	0.004
			X095779	ASSAY	TB19055383	470.00	471.00	1.00	0.664	0.049	0.045	0.023	0.036	0.006
			X095780	ASSAY	TB19055383	471.00	472.00	1.00	0.653	0.073	0.130	0.036	0.046	0.006
			X095781	ASSAY	TB19055383	472.00	473.00	1.00	0.008	0.003	0.002	0.010	0.026	0.005
			X095782	ASSAY	TB19055383	473.00	474.00	1.00	0.057	0.010	0.002	0.012	0.025	0.005
			X095783	ASSAY	TB19055383	474.00	475.00	1.00	0.390	0.035	0.009	0.017	0.029	0.005
			X095784	ASSAY	TB19055383	475.00	476.00	1.00	0.030	0.005	0.001	0.010	0.024	0.004
			X095785	ASSAY	TB19055383	476.00	477.00	1.00	0.105	0.012	0.002	0.012	0.026	0.005
			X095786	ASSAY	TB19055383	477.00	478.00	1.00	0.262	0.046	0.010	0.016	0.026	0.005
			X095790	ASSAY	TB19055385	478.00	479.00	1.00	0.213	0.021	0.019	0.020	0.031	0.005
			X095791	ASSAY	TB19055385	479.00	480.00	1.00	0.324	0.027	0.016	0.017	0.036	0.006
			X095792	ASSAY	TB19055385	480.00	481.00	1.00	0.070	0.006	0.016	0.021	0.023	0.005
			X095793	ASSAY	TB19055385	481.00	482.00	1.00	0.303	0.030	0.038	0.036	0.037	0.006

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			X095794	ASSAY	TB19055385	482.00	483.00	1.00	0.036	0.003	0.008	0.012	0.026	0.005
			X095795	ASSAY	TB19055385	483.00	484.00	1.00	0.032	0.003	0.005	0.009	0.024	0.004
			X095796	ASSAY	TB19055385	484.00	485.00	1.00	0.230	0.084	0.020	0.020	0.032	0.006
			X095797	ASSAY	TB19055385	485.00	486.00	1.00	0.002	0.003	0.005	0.010	0.024	0.006
			X095798	ASSAY	TB19055385	486.00	487.00	1.00	0.053	0.005	0.005	0.009	0.026	0.005
			X095799	ASSAY	TB19055385	487.00	488.00	1.00	0.384	0.028	0.014	0.018	0.035	0.005
			X095800	ASSAY	TB19055385	488.00	489.00	1.00	0.189	0.015	0.009	0.015	0.032	0.005
			X095801	ASSAY	TB19055385	489.00	490.00	1.00	0.031	0.003	0.004	0.013	0.025	0.005
			X095802	ASSAY	TB19055385	490.00	491.00	1.00	0.731	0.039	0.009	0.015	0.026	0.006
			X095803	ASSAY	TB19055385	491.00	492.00	1.00	0.070	0.003	0.016	0.014	0.023	0.005
			X095804	ASSAY	TB19055385	492.00	493.00	1.00	0.308	0.031	0.030	0.020	0.029	0.005
			X095805	ASSAY	TB19055385	493.00	494.00	1.00	0.229	0.019	0.034	0.021	0.028	0.005
			X095806	ASSAY	TB19055385	494.00	495.00	1.00	0.001	0.003	0.001	0.011	0.019	0.005
			X095807	ASSAY	TB19055385	495.00	496.00	1.00	0.002	0.003	0.002	0.012	0.021	0.005
			X095809	ASSAY	TB19055385	496.00	497.00	1.00	0.007	0.003	0.003	0.013	0.026	0.005
			X095810	ASSAY	TB19055385	497.00	498.00	1.00	0.002	0.003	0.014	0.014	0.022	0.005
			X095811	ASSAY	TB19055385	498.00	499.00	1.00	0.912	0.097	0.079	0.045	0.048	0.006
			X095812	ASSAY	TB19055385	499.00	500.00	1.00	0.002	0.003	0.001	0.011	0.018	0.005
			X095813	ASSAY	TB19055385	500.00	501.00	1.00	0.001	0.003	0.002	0.013	0.021	0.005
			X095814	ASSAY	TB19055385	501.00	502.00	1.00	0.005	0.003	0.001	0.004	0.016	0.004
			X095815	ASSAY	TB19055385	502.00	503.00	1.00	0.001	0.003	0.002	0.011	0.017	0.005
			X095816	ASSAY	TB19055385	503.00	504.00	1.00	0.001	0.003	0.002	0.012	0.017	0.005
			X095817	ASSAY	TB19055385	504.00	505.00	1.00	0.001	0.003	0.004	0.017	0.016	0.005
			X095818	ASSAY	TB19055385	505.00	505.79	0.79	0.002	0.003	0.001	0.010	0.011	0.004

From	To	Lithology
505.79	535.18	**LGAB** 505.79 - 535.18m. Light green, Mg-Cg Leucogabbro. 60-75% mg beige, subhedral to anhedral plag. Pervassive moderate chlorite-actinolite alt. Stringers and small whispy veins/fracture fills of sericite throughout at low frequency. Patchy weak to trace K-Epidote alt. 0.1-0.2% fg euhedral to sub Py, Blebby and disseminated in patches with localized partial fracture fills. Lower contact with fg Mafic Dike is sharp and planar at 50dtca.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
X095819	ASSAY	TB19055385	505.79	507.00	1.21	1.000	0.106	0.097	0.050	0.031	0.002
X095820	ASSAY	TB19055385	507.00	508.00	1.00	0.081	0.010	0.007	0.009	0.005	0.001
X095821	ASSAY	TB19055385	508.00	509.00	1.00	0.020	0.003	0.002	0.005	0.002	0.002
X095822	ASSAY	TB19055385	509.00	510.00	1.00	0.096	0.010	0.006	0.005	0.005	0.001
X095823	ASSAY	TB19055385	510.00	511.00	1.00	0.052	0.006	0.004	0.004	0.003	0.001
X095824	ASSAY	TB19055385	511.00	512.00	1.00	0.149	0.017	0.020	0.016	0.008	0.002
X095825	ASSAY	TB19055385	512.00	513.00	1.00	0.064	0.007	0.004	0.007	0.004	0.001
X095826	ASSAY	TB19055385	513.00	514.00	1.00	0.054	0.005	0.001	0.004	0.004	0.001
X095827	ASSAY	TB19055385	514.00	515.00	1.00	0.128	0.016	0.004	0.007	0.005	0.001
X095829	ASSAY	TB19055385	515.00	516.00	1.00	0.254	0.027	0.009	0.011	0.009	0.001
X095830	ASSAY	TB19055385	516.00	517.00	1.00	0.028	0.003	0.001	0.003	0.003	0.001
X095831	ASSAY	TB19055385	517.00	518.00	1.00	0.161	0.017	0.005	0.008	0.007	0.001
X095832	ASSAY	TB19055385	518.00	519.00	1.00	0.113	0.013	0.002	0.007	0.006	0.001
X095833	ASSAY	TB19055385	519.00	520.00	1.00	0.020	0.003	0.003	0.004	0.003	0.001
X095834	ASSAY	TB19055385	520.00	521.00	1.00	0.110	0.013	0.001	0.005	0.005	0.001
X095835	ASSAY	TB19055385	521.00	522.00	1.00	0.045	0.005	0.002	0.004	0.003	0.001
X095836	ASSAY	TB19055385	522.00	523.00	1.00	0.060	0.007	0.001	0.007	0.006	0.002
X095837	ASSAY	TB19055385	523.00	524.00	1.00	0.080	0.009	0.002	0.008	0.006	0.001
X095838	ASSAY	TB19055385	524.00	525.00	1.00	0.026	0.003	0.001	0.002	0.005	0.001
X095839	ASSAY	TB19055385	525.00	526.00	1.00	0.004	0.003	0.001	0.003	0.003	0.001
X095840	ASSAY	TB19055385	526.00	527.00	1.00	0.136	0.014	0.012	0.008	0.008	0.001
X095841	ASSAY	TB19055385	527.00	528.00	1.00	0.001	0.003	0.001	0.002	0.003	0.001
X095842	ASSAY	TB19055385	528.00	529.00	1.00	0.292	0.033	0.035	0.019	0.013	0.001
X095843	ASSAY	TB19055385	529.00	530.00	1.00	0.073	0.008	0.002	0.003	0.005	0.001
X095844	ASSAY	TB19055385	530.00	531.00	1.00	0.002	0.003	0.001	0.002	0.002	0.001
X095845	ASSAY	TB19055385	531.00	532.00	1.00	0.072	0.006	0.008	0.008	0.004	0.001
X095846	ASSAY	TB19055385	532.00	533.00	1.00	0.065	0.006	0.005	0.005	0.004	0.001
X095847	ASSAY	TB19055385	533.00	534.00	1.00	0.079	0.009	0.001	0.005	0.003	0.001
X095849	ASSAY	TB19055385	534.00	535.18	1.18	0.018	0.003	0.001	0.005	0.004	0.001

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
535.18	541.21	**DIKE-Mafic** 535.18 - 541.21m. Fg, med grey Mafic Dike Dike split by several narrow xenos of LGAB Massive, patchy bleaching and K alt. Fractures show narrow light grey-green halo Euhedral replacement style Py, 3%, grades to trace near lower contact with LGAB and becomes more blebby with local very fg disseminated. Nonmagnetic	X095850	ASSAY	TB19055385	535.18	536.00	0.82	0.001	0.003	0.017	0.038	0.007	0.010
			X095851	ASSAY	TB19055385	536.00	537.00	1.00	0.022	0.003	0.005	0.022	0.005	0.002
			X095852	ASSAY	TB19055385	537.00	538.00	1.00	0.001	0.003	0.009	0.026	0.005	0.003
			X095853	ASSAY	TB19055385	538.00	539.00	1.00	0.024	0.003	0.001	0.009	0.005	0.002
			X095854	ASSAY	TB19055385	539.00	540.00	1.00	0.021	0.003	0.003	0.013	0.006	0.002
			X095855	ASSAY	TB19055385	540.00	541.21	1.21	0.018	0.003	0.001	0.002	0.006	0.002
541.21	551.40	**LGAB** 541.21-551.40m. Med to light green, mg Leucogabbro Same as previous description. 551.4m EOH.	X095856	ASSAY	TB19055385	541.21	542.00	0.79	0.002	0.003	0.001	0.011	0.003	0.001
			X095857	ASSAY	TB19055385	542.00	543.00	1.00	0.007	0.003	0.001	0.004	0.003	0.001
			X095858	ASSAY	TB19055385	543.00	544.00	1.00	0.001	0.003	0.002	0.002	0.002	0.001
			X095859	ASSAY	TB19055385	544.00	545.00	1.00	0.001	0.003	0.001	0.002	0.003	0.001
			X095860	ASSAY	TB19055385	545.00	546.00	1.00	0.001	0.003	0.001	0.002	0.002	0.001
			X095861	ASSAY	TB19055385	546.00	547.00	1.00	0.001	0.003	0.001	0.001	0.002	0.001
			X095862	ASSAY	TB19055385	547.00	548.00	1.00	0.001	0.003	0.001	0.002	0.002	0.001
			X095863	ASSAY	TB19055385	548.00	549.00	1.00	0.001	0.003	0.001	0.001	0.001	0.001
			X095864	ASSAY	TB19055385	549.00	550.00	1.00	0.001	0.003	0.001	0.001	0.001	0.001
			X095868	ASSAY	TB19251518	550.00	551.40	1.40	0.010	0.003	0.001	0.002	0.002	0.000

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	342.00	-70.57	GYRORFLX	O	
5.00	341.87	-70.58	GYRORFLX	O	
10.00	342.12	-70.54	GYRORFLX	O	
15.00	342.19	-70.54	GYRORFLX	O	
20.00	342.12	-70.51	GYRORFLX	O	
25.00	342.28	-70.52	GYRORFLX	O	
30.00	342.34	-70.53	GYRORFLX	O	
35.00	342.46	-70.54	GYRORFLX	O	
40.00	342.55	-70.56	GYRORFLX	O	
45.00	342.60	-70.53	GYRORFLX	O	
50.00	342.56	-70.57	GYRORFLX	O	
55.00	342.45	-70.55	GYRORFLX	O	
60.00	342.48	-70.53	GYRORFLX	O	
65.00	342.49	-70.54	GYRORFLX	O	
70.00	342.55	-70.52	GYRORFLX	O	
75.00	342.52	-70.54	GYRORFLX	O	
80.00	342.41	-70.55	GYRORFLX	O	
85.00	342.53	-70.56	GYRORFLX	O	
90.00	342.69	-70.54	GYRORFLX	O	
95.00	342.79	-70.54	GYRORFLX	O	
100.00	342.85	-70.52	GYRORFLX	O	
105.00	342.82	-70.54	GYRORFLX	O	
110.00	342.83	-70.55	GYRORFLX	O	
115.00	342.87	-70.52	GYRORFLX	O	
120.00	342.97	-70.57	GYRORFLX	O	
125.00	343.07	-70.56	GYRORFLX	O	
130.00	343.00	-70.57	GYRORFLX	O	
135.00	343.12	-70.59	GYRORFLX	O	
140.00	343.08	-70.60	GYRORFLX	O	
145.00	343.12	-70.60	GYRORFLX	O	
150.00	343.17	-70.57	GYRORFLX	O	
155.00	343.27	-70.57	GYRORFLX	O	
160.00	343.35	-70.59	GYRORFLX	O	
165.00	343.38	-70.63	GYRORFLX	O	
170.00	343.42	-70.64	GYRORFLX	O	
175.00	343.53	-70.63	GYRORFLX	O	
180.00	343.50	-70.61	GYRORFLX	O	

185.00	343.57	-70.60	GYRORFLX	O
190.00	343.63	-70.56	GYRORFLX	O
195.00	343.70	-70.59	GYRORFLX	O
200.00	343.71	-70.58	GYRORFLX	O
205.00	343.74	-70.55	GYRORFLX	O
210.00	343.71	-70.56	GYRORFLX	O
215.00	343.70	-70.55	GYRORFLX	O
220.00	343.71	-70.56	GYRORFLX	O
225.00	343.79	-70.63	GYRORFLX	O
230.00	343.80	-70.59	GYRORFLX	O
235.00	343.83	-70.58	GYRORFLX	O
240.00	343.97	-70.61	GYRORFLX	O
245.00	343.89	-70.62	GYRORFLX	O
250.00	344.05	-70.54	GYRORFLX	O
255.00	344.19	-70.61	GYRORFLX	O
260.00	344.00	-70.69	GYRORFLX	O
265.00	344.18	-70.52	GYRORFLX	O
270.00	344.05	-70.44	GYRORFLX	O
275.00	343.87	-70.44	GYRORFLX	O
280.00	343.86	-70.35	GYRORFLX	O
285.00	343.96	-70.32	GYRORFLX	O
290.00	343.94	-70.31	GYRORFLX	O
295.00	343.83	-70.28	GYRORFLX	O
300.00	343.92	-70.29	GYRORFLX	O
305.00	343.99	-70.33	GYRORFLX	O
310.00	343.95	-70.31	GYRORFLX	O
315.00	343.95	-70.30	GYRORFLX	O
320.00	343.85	-70.30	GYRORFLX	O
325.00	343.99	-70.28	GYRORFLX	O
330.00	343.96	-70.24	GYRORFLX	O
335.00	344.00	-70.26	GYRORFLX	O
340.00	343.95	-70.25	GYRORFLX	O
345.00	343.89	-70.25	GYRORFLX	O
350.00	343.90	-70.22	GYRORFLX	O
355.00	343.92	-70.23	GYRORFLX	O
360.00	343.95	-70.20	GYRORFLX	O
365.00	343.99	-70.16	GYRORFLX	O
370.00	344.03	-70.18	GYRORFLX	O
375.00	344.15	-70.18	GYRORFLX	O
380.00	344.13	-70.15	GYRORFLX	O

385.00	344.13	-70.13	GYRORFLX	O
390.00	344.03	-70.14	GYRORFLX	O
395.00	344.18	-70.10	GYRORFLX	O
400.00	344.24	-70.09	GYRORFLX	O
405.00	344.24	-70.08	GYRORFLX	O
410.00	344.25	-70.04	GYRORFLX	O
415.00	344.20	-70.07	GYRORFLX	O
420.00	344.27	-70.09	GYRORFLX	O
425.00	344.16	-70.09	GYRORFLX	O
430.00	344.26	-70.10	GYRORFLX	O
435.00	344.21	-70.09	GYRORFLX	O
440.00	344.32	-70.09	GYRORFLX	O
445.00	344.24	-70.10	GYRORFLX	O
450.00	344.37	-70.10	GYRORFLX	O
455.00	344.34	-70.06	GYRORFLX	O
460.00	344.39	-70.08	GYRORFLX	O
465.00	344.25	-70.05	GYRORFLX	O
470.00	344.27	-70.05	GYRORFLX	O
475.00	344.22	-70.06	GYRORFLX	O
480.00	344.25	-70.05	GYRORFLX	O
485.00	344.40	-69.99	GYRORFLX	O
490.00	344.38	-70.02	GYRORFLX	O
495.00	344.51	-70.02	GYRORFLX	O
500.00	344.43	-70.01	GYRORFLX	O
505.00	344.40	-70.00	GYRORFLX	O
510.00	344.31	-69.94	GYRORFLX	O
515.00	344.28	-69.92	GYRORFLX	O
520.00	344.53	-69.89	GYRORFLX	O
525.00	344.73	-69.94	GYRORFLX	O
530.00	344.76	-69.98	GYRORFLX	O

Detailed Log Report
Hole Number 18-602

Project Name:	LDI - Mine	**Primary Coordinates Grid:**	MINE:	**Hole Status:**	Completed
Project Code:	LDI MINE	**North:**	31,534.18	**Length:**	596.00
Location:		**East:**	31,948.15	**Hole Size:**	NQ
Start Date:	Nov 22, 2018	**Elev:**	514.63	**Hole Type:**	DDH
Completed Date:	Nov 28, 2018	**Collar Dip:**	-70.23	**Casing:**	Yes
Contractor:	Major Drilling	**Collar Az:**	355.46	**Cemented:**	Yes
Core Storage:	Lac des Iles Minesite-cross piles	**Destination Coordinates Grid:**	UTM83-16	**Collar Survey:**	N
Units:	METRIC	**North:**	5,449,137.13	**Multishot Survey:**	N
Start Log:	Mar 17, 2019	**East:**	309,302.14	**EOH:**	596.00
End Log:	Mar 24, 2019	**Elev:**	514.63	**Artesian Cond:**	No
Logged By 1:	Brigitte Gelinas	**Claim:**	252	**Abandon Reason:**	
				Plugged:	N
				Pulse EM Survey:	N

Detailed Lithology

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
0.00	2.68	**OB**												
2.68	20.14	**DIKE-Mafic**	A0145948	ASSAY	TB19172652	15.00	16.00	1.00	0.024	0.005	0.004	0.023	0.014	0.006
		2.68 - 20.14m Dark gray, fine-grained, massive, weakly magnetic Nipigon diabase. Weak pervasive chl-act alt, no mineralization. Sharp lower contact with gabbro.	A0145949	ASSAY	TB19172652	16.00	17.00	1.00	0.023	0.003	0.004	0.021	0.013	0.006
			A0145950	ASSAY	TB19172652	17.00	18.00	1.00	0.022	0.005	0.005	0.022	0.011	0.006
			A0145951	ASSAY	TB19172652	18.00	19.00	1.00	0.024	0.005	0.011	0.073	0.011	0.006
			A0145952	ASSAY	TB19172652	19.00	20.14	1.14	0.021	0.006	0.006	0.023	0.013	0.005

From	To	Lithology
20.14	58.68	**GAB**

20.14 - 58.68m
Grayish-green, medium-grained, equigranular, massive, non-magnetic gabbro.
40% plag, 60% altered pyroxene, chl-act groundmass.
Unit is majority medium-grained with a few coarse-grained intervals (30.70-30.95, 37.5-38, 38.75-39.25m). Pegmatitic gabbro from 52-52.5m.
Moderate pervasive chl-act alt throughout.
Mineralization consists of disseminated blebby pyrrhotite>chalcopyrite, with 0.1-0.5%. Min commonly more concentrated in cg intervals.
Sharp upper contact with diabase, and sheared lower contact with mafic dike.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0145953	ASSAY	TB19172652	20.14	21.00	0.86	0.052	0.006	0.001	0.007	0.047	0.006
A0145954	ASSAY	TB19172652	21.00	22.00	1.00	0.001	0.003	0.003	0.006	0.043	0.006
A0145955	ASSAY	TB19172652	22.00	23.00	1.00	0.040	0.005	0.003	0.008	0.042	0.006
A0145956	ASSAY	TB19172652	23.00	24.00	1.00	0.017	0.003	0.008	0.012	0.038	0.006
A0145958	ASSAY	TB19172652	24.00	25.00	1.00	0.019	0.003	0.011	0.010	0.042	0.006
A0145959	ASSAY	TB19172652	25.00	26.00	1.00	0.036	0.003	0.008	0.018	0.048	0.006
A0145960	ASSAY	TB19172652	26.00	27.00	1.00	0.003	0.003	0.001	0.002	0.041	0.006
A0145961	ASSAY	TB19172652	27.00	28.00	1.00	0.082	0.009	0.020	0.025	0.045	0.007
A0145962	ASSAY	TB19172652	28.00	29.00	1.00	0.191	0.017	0.018	0.020	0.054	0.006
A0145963	ASSAY	TB19172652	29.00	30.00	1.00	1.160	0.117	0.077	0.092	0.113	0.009
A0145964	ASSAY	TB19172652	30.00	31.00	1.00	0.743	0.081	0.097	0.091	0.079	0.008
A0145965	ASSAY	TB19172652	31.00	32.00	1.00	0.119	0.014	0.012	0.011	0.040	0.006
A0145966	ASSAY	TB19172652	32.00	33.00	1.00	0.033	0.003	0.011	0.013	0.043	0.006
A0145967	ASSAY	TB19172652	33.00	34.00	1.00	0.024	0.003	0.009	0.014	0.042	0.006
A0145968	ASSAY	TB19172652	34.00	35.00	1.00	0.058	0.008	0.009	0.013	0.040	0.006
A0145969	ASSAY	TB19172652	35.00	36.00	1.00	0.085	0.011	0.009	0.017	0.044	0.006
A0145970	ASSAY	TB19172652	36.00	37.00	1.00	0.096	0.011	0.012	0.016	0.047	0.006
A0145971	ASSAY	TB19172652	37.00	38.00	1.00	0.040	0.007	0.017	0.029	0.031	0.006
A0145972	ASSAY	TB19172652	38.00	39.00	1.00	0.001	0.003	0.007	0.017	0.038	0.006
A0145973	ASSAY	TB19172652	39.00	40.00	1.00	0.001	0.003	0.002	0.010	0.035	0.006
A0145974	ASSAY	TB19172652	40.00	41.00	1.00	0.001	0.003	0.003	0.010	0.041	0.006
A0145975	ASSAY	TB19172652	41.00	42.00	1.00	0.017	0.003	0.003	0.010	0.043	0.006
A0145976	ASSAY	TB19172652	42.00	43.00	1.00	0.853	0.159	0.032	0.045	0.093	0.007
A0145978	ASSAY	TB19172652	43.00	44.00	1.00	0.004	0.003	0.003	0.010	0.032	0.005
A0145979	ASSAY	TB19172652	44.00	45.00	1.00	0.003	0.003	0.003	0.010	0.032	0.005
A0145980	ASSAY	TB19172652	45.00	46.00	1.00	0.030	0.003	0.004	0.010	0.035	0.005
A0145981	ASSAY	TB19172652	46.00	47.00	1.00	0.043	0.005	0.010	0.018	0.032	0.005
A0145982	ASSAY	TB19172652	47.00	48.00	1.00	0.040	0.006	0.004	0.010	0.035	0.005
A0145983	ASSAY	TB19172652	48.00	49.00	1.00	0.043	0.006	0.006	0.013	0.039	0.006
A0145984	ASSAY	TB19172652	49.00	50.00	1.00	0.001	0.003	0.004	0.008	0.030	0.005
A0145985	ASSAY	TB19172652	50.00	51.00	1.00	0.001	0.003	0.001	0.004	0.036	0.005

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			A0145986	ASSAY	TB19172652	51.00	52.00	1.00	0.002	0.003	0.002	0.008	0.040	0.006
			A0145987	ASSAY	TB19172652	52.00	53.00	1.00	0.188	0.028	0.029	0.042	0.058	0.006
			A0145988	ASSAY	TB19172652	53.00	54.00	1.00	0.008	0.003	0.011	0.028	0.059	0.008
			A0145989	ASSAY	TB19172652	54.00	55.00	1.00	0.001	0.003	0.001	0.007	0.043	0.007
			A0145990	ASSAY	TB19172652	55.00	56.00	1.00	0.001	0.003	0.007	0.021	0.049	0.007
			A0145991	ASSAY	TB19172652	56.00	57.00	1.00	0.001	0.003	0.010	0.011	0.041	0.006
			A0145992	ASSAY	TB19172652	57.00	57.74	0.74	0.010	0.003	0.001	0.002	0.039	0.004
			A0145993	ASSAY	TB19172652	57.74	58.68	0.94	0.017	0.003	0.008	0.022	0.027	0.015
58.68	65.80	**DIKE-Mafic** 58.68 - 65.80 m Dark gray, fine-grained, massive, magnetic mafic dike. Common fracture-filled chl-ser throughout. Pyrite min disseminated to stringers throughout unit. Upper contact marked by shear zone from 57-58.68m associated with strong chl alt and 0.5% disseminated py. Local 5cm thick py-mt vein. Common felsic veins with K-alt cutting shear and mafic dike. Sharp lower contact with GABVT.	A0145994	ASSAY	TB19172652	58.68	60.00	1.32	0.001	0.003	0.008	0.020	0.004	0.004
			A0145995	ASSAY	TB19172652	60.00	61.00	1.00	0.001	0.003	0.007	0.015	0.005	0.002
			A0145996	ASSAY	TB19172652	61.00	62.00	1.00	0.001	0.003	0.020	0.019	0.004	0.003
			A0145998	ASSAY	TB19172652	62.00	63.00	1.00	0.001	0.003	0.013	0.013	0.006	0.003
			A0145999	ASSAY	TB19172652	63.00	64.00	1.00	0.001	0.003	0.008	0.007	0.002	0.003
			A0146000	ASSAY	TB19172652	64.00	65.00	1.00	0.001	0.003	0.006	0.011	0.003	0.004
			A0146001	ASSAY	TB19172652	65.00	65.80	0.80	0.002	0.003	0.023	0.075	0.010	0.004

From	To	Lithology
65.80	105.90	**GAB-Vt**

65.80 - 105.90m
Greenish-gray, medium- to coarse-grained, massive, non-magnetic varitextured gabbro.
40% plag, 60% altered pyroxenes.
Moderate pervasive chl-act alt.
Disseminated blebby pyrrhotite>chalcopyrite from 0.1-1%. Blebs are fine to coarse and interstitial.
Roughly 80-90% pyrrhotite, 10-20% chalco. Coarse blebs associated with coarse-grained intervals.
Local foliated/sheared zones with minimal thickness.
Local cross-cutting mafic dikes associated with stronger foliation along margins.
Sharp upper contact with mafic dike and gradational lower contact with norite.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0146002	ASSAY	TB19172652	65.80	67.00	1.20	0.004	0.003	0.010	0.025	0.037	0.008
A0146003	ASSAY	TB19172652	67.00	68.00	1.00	0.026	0.010	0.007	0.014	0.053	0.006
A0146004	ASSAY	TB19172652	68.00	69.00	1.00	0.010	0.003	0.017	0.040	0.060	0.006
A0146005	ASSAY	TB19172652	69.00	70.00	1.00	0.020	0.003	0.008	0.016	0.065	0.007
A0146006	ASSAY	TB19172652	70.00	71.00	1.00	0.037	0.007	0.031	0.103	0.157	0.009
A0146007	ASSAY	TB19172652	71.00	72.00	1.00	0.036	0.007	0.020	0.065	0.085	0.008
A0146008	ASSAY	TB19172652	72.00	73.00	1.00	0.002	0.003	0.010	0.032	0.053	0.007
A0146009	ASSAY	TB19172652	73.00	74.00	1.00	0.001	0.003	0.006	0.034	0.061	0.008
A0146010	ASSAY	TB19172652	74.00	75.00	1.00	0.003	0.003	0.014	0.077	0.119	0.008
A0146011	ASSAY	TB19172652	75.00	76.00	1.00	0.003	0.003	0.049	0.097	0.067	0.006
A0146012	ASSAY	TB19172652	76.00	77.00	1.00	0.002	0.003	0.008	0.027	0.045	0.005
A0146013	ASSAY	TB19172652	77.00	78.00	1.00	0.022	0.003	0.027	0.063	0.074	0.006
A0146017	ASSAY	TB19172656	78.00	79.00	1.00	0.013	0.003	0.015	0.046	0.066	0.007
A0146018	ASSAY	TB19172656	79.00	80.00	1.00	0.067	0.006	0.016	0.036	0.052	0.006
A0146019	ASSAY	TB19172656	80.00	81.00	1.00	0.031	0.003	0.015	0.038	0.056	0.006
A0146020	ASSAY	TB19172656	81.00	82.00	1.00	0.039	0.006	0.016	0.043	0.054	0.006
A0146021	ASSAY	TB19172656	82.00	83.00	1.00	0.017	0.005	0.026	0.104	0.104	0.007
A0146022	ASSAY	TB19172656	83.00	84.00	1.00	0.036	0.003	0.013	0.027	0.043	0.005
A0146023	ASSAY	TB19172656	84.00	85.00	1.00	0.046	0.008	0.013	0.039	0.058	0.007
A0146024	ASSAY	TB19172656	85.00	86.00	1.00	0.014	0.003	0.004	0.012	0.029	0.005
A0146025	ASSAY	TB19172656	86.00	87.00	1.00	0.008	0.003	0.012	0.027	0.041	0.006
A0146026	ASSAY	TB19172656	87.00	88.00	1.00	0.025	0.003	0.015	0.038	0.049	0.006
A0146027	ASSAY	TB19172656	88.00	89.00	1.00	0.030	0.005	0.004	0.016	0.044	0.005
A0146028	ASSAY	TB19172656	89.00	90.00	1.00	0.005	0.003	0.004	0.012	0.039	0.005
A0146029	ASSAY	TB19172656	90.00	91.00	1.00	0.082	0.011	0.008	0.023	0.043	0.006
A0146030	ASSAY	TB19172656	91.00	92.00	1.00	0.006	0.003	0.004	0.015	0.037	0.005
A0146031	ASSAY	TB19172656	92.00	93.00	1.00	0.029	0.003	0.004	0.012	0.037	0.005
A0146032	ASSAY	TB19172656	93.00	94.00	1.00	0.032	0.003	0.009	0.024	0.049	0.006
A0146033	ASSAY	TB19172656	94.00	95.00	1.00	0.035	0.005	0.020	0.052	0.072	0.007
A0146034	ASSAY	TB19172656	95.00	96.00	1.00	0.010	0.003	0.015	0.042	0.064	0.007
A0146036	ASSAY	TB19172656	96.00	97.00	1.00	0.003	0.003	0.019	0.039	0.052	0.006

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			A0146037	ASSAY	TB19172656	97.00	98.00	1.00	0.043	0.003	0.017	0.040	0.053	0.006
			A0146038	ASSAY	TB19172656	98.00	99.00	1.00	0.036	0.005	0.064	0.148	0.143	0.009
			A0146039	ASSAY	TB19172656	99.00	100.00	1.00	0.012	0.003	0.033	0.071	0.075	0.007
			A0146040	ASSAY	TB19172656	100.00	101.00	1.00	0.015	0.003	0.021	0.067	0.070	0.007
			A0146041	ASSAY	TB19172656	101.00	102.00	1.00	0.250	0.024	0.030	0.047	0.055	0.006
			A0146042	ASSAY	TB19172656	102.00	103.00	1.00	0.020	0.003	0.009	0.028	0.046	0.007
			A0146043	ASSAY	TB19172656	103.00	104.00	1.00	0.056	0.007	0.010	0.056	0.053	0.007
			A0146044	ASSAY	TB19172656	104.00	105.00	1.00	0.082	0.008	0.035	0.113	0.097	0.009
			A0146045	ASSAY	TB19172656	105.00	105.90	0.90	0.005	0.003	0.003	0.015	0.044	0.006

From	To	Lithology
105.90	139.65	**NOR**

105.90 -139.65m
Dark gray brown, medium-grained, equigranular, massive, weakly magnetic norite.
20-30% purple-white plag, 70-80% bronzite to altered pyroxenes.
Weak to moderate pervasive chl-act alteration.
Mineralization consists of patchy disseminated fine to coarse blebby pyrrhotite>chalcopyrite up to 1.5% in local intervals. Some blebby min follows planes not associated to any structures, late min fluid injected in crystal mush (?).
Local cross-cutting intermediate to mafic dikes up to 50cm thick at 123.5 and 130.15m.
Gradational upper contact with gabbro.
Gradational lower contact with gabbro.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0146046	ASSAY	TB19172656	105.90	107.00	1.10	0.039	0.008	0.011	0.034	0.059	0.008
A0146047	ASSAY	TB19172656	107.00	108.00	1.00	0.004	0.003	0.010	0.042	0.081	0.007
A0146048	ASSAY	TB19172656	108.00	109.00	1.00	0.002	0.003	0.005	0.044	0.056	0.006
A0146049	ASSAY	TB19172656	109.00	110.00	1.00	0.001	0.003	0.004	0.033	0.050	0.006
A0146050	ASSAY	TB19172656	110.00	111.00	1.00	0.003	0.003	0.006	0.048	0.083	0.007
A0146051	ASSAY	TB19172656	111.00	112.00	1.00	0.003	0.003	0.005	0.053	0.072	0.008
A0146052	ASSAY	TB19172656	112.00	113.00	1.00	0.002	0.003	0.005	0.039	0.049	0.006
A0146053	ASSAY	TB19172656	113.00	114.00	1.00	0.103	0.018	0.024	0.067	0.069	0.007
A0146054	ASSAY	TB19172656	114.00	115.00	1.00	0.092	0.003	0.006	0.033	0.067	0.007
A0146056	ASSAY	TB19172656	115.00	116.00	1.00	0.002	0.003	0.006	0.026	0.045	0.007
A0146057	ASSAY	TB19172656	116.00	117.00	1.00	0.001	0.003	0.001	0.018	0.049	0.008
A0146058	ASSAY	TB19172656	117.00	118.00	1.00	0.001	0.003	0.002	0.016	0.039	0.006
A0146059	ASSAY	TB19172656	118.00	119.00	1.00	0.047	0.007	0.003	0.016	0.042	0.007
A0146060	ASSAY	TB19172656	119.00	120.00	1.00	0.007	0.003	0.003	0.011	0.037	0.007
A0146061	ASSAY	TB19172656	120.00	121.00	1.00	0.025	0.003	0.020	0.063	0.106	0.007
A0146062	ASSAY	TB19172656	121.00	122.00	1.00	0.088	0.007	0.012	0.027	0.042	0.006
A0146063	ASSAY	TB19172656	122.00	123.00	1.00	0.060	0.005	0.007	0.017	0.031	0.004
A0146064	ASSAY	TB19172656	123.00	124.00	1.00	0.007	0.003	0.005	0.012	0.031	0.006
A0146065	ASSAY	TB19172656	124.00	125.00	1.00	0.001	0.003	0.001	0.008	0.027	0.005
A0146066	ASSAY	TB19172656	125.00	126.00	1.00	0.001	0.003	0.001	0.010	0.032	0.006
A0146067	ASSAY	TB19172656	126.00	127.00	1.00	0.027	0.009	0.005	0.020	0.036	0.006
A0146068	ASSAY	TB19172656	127.00	128.00	1.00	0.001	0.003	0.001	0.009	0.034	0.007
A0146069	ASSAY	TB19172656	128.00	129.00	1.00	0.002	0.003	0.001	0.012	0.034	0.007
A0146070	ASSAY	TB19172656	129.00	130.00	1.00	0.119	0.013	0.007	0.016	0.039	0.007
A0146071	ASSAY	TB19172656	130.00	131.00	1.00	0.003	0.003	0.003	0.024	0.033	0.006
A0146072	ASSAY	TB19172656	131.00	132.00	1.00	0.025	0.003	0.011	0.044	0.068	0.010
A0146073	ASSAY	TB19172656	132.00	133.00	1.00	0.054	0.006	0.017	0.038	0.060	0.008
A0146074	ASSAY	TB19172656	133.00	134.00	1.00	0.010	0.003	0.001	0.024	0.051	0.008
A0146076	ASSAY	TB19172656	134.00	135.00	1.00	0.003	0.003	0.003	0.024	0.062	0.008
A0146077	ASSAY	TB19172656	135.00	136.00	1.00	0.196	0.014	0.025	0.051	0.073	0.009
A0146078	ASSAY	TB19172656	136.00	137.00	1.00	0.284	0.016	0.013	0.048	0.069	0.009

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			A0146079	ASSAY	TB19172656	137.00	138.00	1.00	0.001	0.003	0.003	0.017	0.051	0.009
			A0146080	ASSAY	TB19172656	138.00	139.00	1.00	0.370	0.014	0.011	0.066	0.068	0.008
			A0146081	ASSAY	TB19172656	139.00	139.65	0.65	0.056	0.006	0.012	0.053	0.072	0.009

From	To	Lithology
139.65	170.67	**GAB-Vt**

VT Gabbro.
intervals varying from fine to medium grained. Unit is green and white, contains 25-55% plag 45-75% pyroxene, is very weakly magnetic throughout. weakly to strongly altered to chlorite-actinolite, generally increasing in strength downhole. carbonate alteration below 155m.
Mostly massive, locally foliated at 50 dtca and foliated towards lower contact at 35dtca.
0.5-1% pyrite throughout as fine to medium grained disseminations, local blebs assoiated with chlorite-actinolite alteration, and subhedral within carbonate-chlorite+/-qtz veins and within vein haloes.
0.25-0.5% po-ccp patchy throughout as local fine to coarse blebs associated with concentrations of chl-actinolite alteration. best intervals around 145m and 155.5-156.35m, also locally in 1cm wide quartz vein @140.8m
Sulphides dominant in medium grained intervals over the fine grained ones.

Gradational upper contact with norite, with dissapearance of brown pyroxene into gabbro unit.
Distinct lower contact with change in colour from green to brownish and appearance of OPX.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0146082	ASSAY	TB19172656	139.65	141.00	1.35	0.006	0.003	0.005	0.026	0.032	0.006
A0146083	ASSAY	TB19172656	141.00	142.00	1.00	0.003	0.003	0.011	0.039	0.053	0.007
A0146084	ASSAY	TB19172656	142.00	143.00	1.00	0.048	0.007	0.009	0.025	0.046	0.005
A0146085	ASSAY	TB19172656	143.00	144.00	1.00	0.007	0.003	0.006	0.016	0.028	0.004
A0146086	ASSAY	TB19172656	144.00	145.00	1.00	0.119	0.005	0.025	0.038	0.031	0.004
A0146087	ASSAY	TB19172656	145.00	146.00	1.00	0.147	0.003	0.010	0.025	0.035	0.006
A0146088	ASSAY	TB19172656	146.00	147.00	1.00	0.001	0.003	0.002	0.008	0.022	0.005
A0146089	ASSAY	TB19172656	147.00	148.00	1.00	0.003	0.003	0.003	0.013	0.023	0.005
A0146090	ASSAY	TB19172656	148.00	149.00	1.00	0.040	0.005	0.005	0.013	0.026	0.005
A0146091	ASSAY	TB19172656	149.00	150.00	1.00	0.109	0.015	0.014	0.021	0.032	0.006
A0146095	ASSAY	TB19172657	150.00	151.00	1.00	0.023	0.005	0.009	0.018	0.025	0.006
A0146096	ASSAY	TB19172657	151.00	152.00	1.00	0.001	0.003	0.009	0.026	0.039	0.011
A0146097	ASSAY	TB19172657	152.00	153.00	1.00	0.048	0.008	0.014	0.037	0.066	0.007
A0146098	ASSAY	TB19172657	153.00	154.00	1.00	0.038	0.005	0.009	0.026	0.039	0.007
A0146099	ASSAY	TB19172657	154.00	155.00	1.00	0.172	0.013	0.029	0.052	0.048	0.007
A0146100	ASSAY	TB19172657	155.00	156.00	1.00	0.468	0.042	0.036	0.063	0.050	0.006
A0146101	ASSAY	TB19172657	156.00	157.00	1.00	0.538	0.032	0.005	0.012	0.029	0.004
A0146102	ASSAY	TB19172657	157.00	158.00	1.00	0.193	0.019	0.008	0.021	0.027	0.005
A0146103	ASSAY	TB19172657	158.00	159.00	1.00	0.464	0.027	0.015	0.031	0.043	0.006
A0146104	ASSAY	TB19172657	159.00	160.00	1.00	0.179	0.018	0.013	0.031	0.050	0.006
A0146105	ASSAY	TB19172657	160.00	161.00	1.00	0.045	0.009	0.018	0.044	0.058	0.007
A0146106	ASSAY	TB19172657	161.00	162.00	1.00	0.067	0.009	0.009	0.021	0.032	0.005
A0146107	ASSAY	TB19172657	162.00	163.00	1.00	1.020	0.166	0.053	0.139	0.105	0.007
A0146108	ASSAY	TB19172657	163.00	164.00	1.00	0.002	0.003	0.002	0.013	0.028	0.005
A0146109	ASSAY	TB19172657	164.00	165.00	1.00	0.012	0.003	0.006	0.013	0.032	0.006
A0146110	ASSAY	TB19172657	165.00	166.00	1.00	0.003	0.003	0.003	0.011	0.032	0.006
A0146111	ASSAY	TB19172657	166.00	167.00	1.00	0.333	0.017	0.016	0.028	0.038	0.006
A0146112	ASSAY	TB19172657	167.00	168.00	1.00	0.171	0.012	0.035	0.045	0.043	0.007
A0146114	ASSAY	TB19172657	168.00	169.00	1.00	0.060	0.005	0.007	0.021	0.037	0.006
A0146115	ASSAY	TB19172657	169.00	170.00	1.00	0.240	0.024	0.015	0.030	0.049	0.006
A0146116	ASSAY	TB19172657	170.00	170.67	0.67	0.001	0.003	0.001	0.010	0.039	0.008

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
170.67	172.08	**NOR** Norite Medium grained, brown-purpleish in colour, massive, 50% distinct brown pitted OPX. pyroxene weakly altered to chlorite-actinolite. 170.9-171.33 5% po-ccp mineralization as local net texture, and blebs. Distinct upper and lower contacts: change in colour from green to brownish and appearance of OPX	A0146117	ASSAY	TB19172657	170.67	171.33	0.66	2.270	0.206	0.167	0.141	0.125	0.010
			A0146118	ASSAY	TB19172657	171.33	172.08	0.75	0.007	0.003	0.005	0.016	0.029	0.005
172.08	174.53	**GAB-Vt** VT Gabbro (possibly norite?) fine grained to coarse grained, but predominantly coarse. green-grey/white colour, massive, pyroxenes weakly altered to chlorite and moderately (locally strongly) altered to actinolite/tremolite. 2% po-ccp throughout as blebs, replacing coarse pyroxene crystals and along veinlets with chlorite sharp upper contact with norite, diffuse lower contact with norite.	A0146119	ASSAY	TB19172657	172.08	173.00	0.92	0.061	0.011	0.020	0.025	0.035	0.005
			A0146120	ASSAY	TB19172657	173.00	173.75	0.75	0.042	0.005	0.046	0.062	0.038	0.005
			A0146121	ASSAY	TB19172657	173.75	174.53	0.78	0.259	0.020	0.029	0.034	0.037	0.005
174.53	175.95	**NOR** Norite Medium grained, brownish in colour, massive, 50% distinct brown pitted OPX. pyroxene weakly altered to chlorite-actinolite. Distinct upper and lower contacts: change in colour from green to brownish and appearance of OPX	A0146122	ASSAY	TB19172657	174.53	175.95	1.42	0.447	0.045	0.040	0.052	0.051	0.007

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
175.95	189.95	**GAB-Vt** VT Gabbro Fine to medium grained, green-grey in colour, massive, weak chlorite-actinolite alteration increasing to moderate downhole. local noritic intervals. trace pyrite throughout, below 182m 1-2% po-ccp as blebs, locally net textured. b/w 185-186m 3% magnetite and 3% po-ccp Sharp lower contact with intermediate dyke	A0146123	ASSAY	TB19172657	175.95	177.00	1.05	0.194	0.023	0.018	0.032	0.041	0.006
			A0146124	ASSAY	TB19172657	177.00	178.00	1.00	0.100	0.009	0.014	0.016	0.036	0.005
			A0146125	ASSAY	TB19172657	178.00	179.00	1.00	0.084	0.003	0.011	0.020	0.036	0.006
			A0146126	ASSAY	TB19172657	179.00	180.00	1.00	0.217	0.026	0.009	0.017	0.040	0.006
			A0146127	ASSAY	TB19172657	180.00	181.00	1.00	0.082	0.012	0.006	0.017	0.046	0.007
			A0146128	ASSAY	TB19172657	181.00	182.00	1.00	0.192	0.018	0.020	0.027	0.039	0.008
			A0146129	ASSAY	TB19172657	182.00	183.00	1.00	0.173	0.009	0.012	0.020	0.031	0.007
			A0146130	ASSAY	TB19172657	183.00	184.00	1.00	0.140	0.016	0.014	0.029	0.036	0.007
			A0146131	ASSAY	TB19172657	184.00	185.00	1.00	0.003	0.003	0.020	0.053	0.040	0.007
			A0146132	ASSAY	TB19172657	185.00	186.00	1.00	0.534	0.060	0.062	0.066	0.083	0.011
			A0146134	ASSAY	TB19172657	186.00	187.00	1.00	0.013	0.003	0.014	0.033	0.061	0.009
			A0146135	ASSAY	TB19172657	187.00	188.00	1.00	0.068	0.005	0.016	0.055	0.074	0.009
			A0146136	ASSAY	TB19172657	188.00	189.00	1.00	0.091	0.011	0.014	0.044	0.064	0.008
			A0146137	ASSAY	TB19172657	189.00	189.95	0.95	0.256	0.017	0.024	0.027	0.042	0.006
189.95	192.27	**DIKE-Intermediate** Feldspar-phyric Intermediate dyke Pale green to grey, aphanatic matrix with 20-30% fg-mg feldspar phenocrysts. 1% very fine grained disseminated pyrite. locally pyrite along fractures. Sharp upper contact	A0146138	ASSAY	TB19172657	189.95	191.00	1.05	0.001	0.003	0.001	0.002	0.003	0.001
			A0146139	ASSAY	TB19172657	191.00	192.27	1.27	0.004	0.003	0.001	0.003	0.003	0.001
192.27	202.00	**GAB-Vt** VT Gabbro Fine-medium grained, locally coarse grained. Green-white to grey in colour. Massive, weak chl-act alteration. local noritic intervals. 2-3% pyrite overall, up to 5% py below 196.75m. py mostly disseminated, local weak net texture and filling veinlets. 0.5% po as veins and blebs with ccp and/or py 0.25% ccp as veins and blens w/ po and/or py. Upper contact with dyke sharp and wavy, lower contact with norite gradational	A0146140	ASSAY	TB19172657	192.27	193.00	0.73	0.149	0.013	0.006	0.043	0.032	0.005
			A0146141	ASSAY	TB19172657	193.00	194.00	1.00	0.209	0.015	0.003	0.022	0.028	0.004
			A0146142	ASSAY	TB19172657	194.00	195.00	1.00	0.110	0.008	0.003	0.007	0.022	0.004
			A0146143	ASSAY	TB19172657	195.00	196.00	1.00	0.400	0.141	0.017	0.047	0.048	0.008
			A0146144	ASSAY	TB19172657	196.00	197.00	1.00	0.330	0.026	0.016	0.023	0.040	0.006
			A0146145	ASSAY	TB19172657	197.00	198.00	1.00	0.229	0.014	0.034	0.094	0.038	0.009
			A0146146	ASSAY	TB19172657	198.00	199.00	1.00	0.392	0.027	0.019	0.044	0.039	0.006
			A0146147	ASSAY	TB19172657	199.00	200.00	1.00	0.198	0.014	0.017	0.057	0.049	0.008
			A0146148	ASSAY	TB19172657	200.00	201.00	1.00	0.154	0.015	0.026	0.038	0.029	0.006
			A0146149	ASSAY	TB19172657	201.00	202.00	1.00	0.132	0.012	0.010	0.013	0.024	0.006

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
202.00	204.41	**NOR**	A0146150	ASSAY	TB19172657	202.00	203.00	1.00	0.137	0.012	0.010	0.014	0.030	0.007
			A0146151	ASSAY	TB19172657	203.00	204.41	1.41	0.091	0.010	0.007	0.011	0.031	0.007

Norite
Medium grained, brown-grey in colour, 30-50% brown OPX crystals. massive, weak chl-act alteration. trace disseminated pyrite. 1% patchy disseminated magnetite
Upper contact diffuse, lower contact gradational.

From	To	Lithology
204.41	235.27	**GAB-Vt** VT Gabbro. mostly Fine to medium grained but from 221-232 m ranges from fine to coarse grained and locally pegmatitic. Green-grey/white in colour. Composition variable (plag 25-70%/pyrox 30-75%).Mostly weakily chl-act altered, locally moderate, and local strong actinolite replacement of pyroxene. 221.1-222.8 more noritic in composition with up to 40% brown OPX, and again b/w ~232.3-232.8m 1% disseminated pyrite and 0.1-0.5% blebbyccp throughout top of interval to ~221m 221-~227.75m 1-4% po-ccp as intercumulus, blebby, and locally replacing pyroxene, with 1-2% magnetite b/w ~221-222m. most of this po-ccp mineralization occuring in coarse to pegmatitic intervals. Patchy albitization below ~223m. massive, becoming weakly foliated at bottom of interval. Upper contact gradational with norite, lower contact foliated and diffuse.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0146152	ASSAY	TB19172657	204.41	205.27	0.86	0.093	0.013	0.004	0.008	0.033	0.007
A0146154	ASSAY	TB19172657	205.27	206.00	0.73	0.086	0.007	0.008	0.017	0.028	0.005
A0146155	ASSAY	TB19172657	206.00	207.00	1.00	0.088	0.007	0.011	0.023	0.021	0.005
A0146156	ASSAY	TB19172657	207.00	208.00	1.00	0.060	0.007	0.010	0.028	0.021	0.007
A0146157	ASSAY	TB19172657	208.00	209.00	1.00	0.033	0.006	0.033	0.084	0.041	0.008
A0146158	ASSAY	TB19172657	209.00	210.00	1.00	0.087	0.006	0.021	0.091	0.029	0.008
A0146159	ASSAY	TB19172657	210.00	211.00	1.00	0.006	0.003	0.015	0.053	0.036	0.007
A0146160	ASSAY	TB19172657	211.00	212.00	1.00	0.021	0.003	0.004	0.019	0.022	0.006
A0146161	ASSAY	TB19172657	212.00	213.00	1.00	0.009	0.003	0.002	0.012	0.015	0.005
A0146162	ASSAY	TB19172657	213.00	214.00	1.00	0.035	0.003	0.007	0.017	0.028	0.006
A0146163	ASSAY	TB19172657	214.00	215.00	1.00	0.027	0.003	0.004	0.010	0.027	0.006
A0146164	ASSAY	TB19172657	215.00	216.00	1.00	0.017	0.003	0.010	0.022	0.034	0.006
A0146165	ASSAY	TB19172657	216.00	217.00	1.00	0.082	0.006	0.015	0.034	0.024	0.005
A0146166	ASSAY	TB19172657	217.00	218.00	1.00	0.045	0.003	0.014	0.026	0.020	0.005
A0146167	ASSAY	TB19172657	218.00	219.00	1.00	0.026	0.003	0.009	0.018	0.017	0.005
A0146168	ASSAY	TB19172657	219.00	220.00	1.00	0.001	0.003	0.001	0.013	0.021	0.005
A0146169	ASSAY	TB19172657	220.00	221.00	1.00	0.002	0.003	0.005	0.017	0.034	0.007
A0146173	ASSAY	TB19172658	221.00	222.00	1.00	0.435	0.036	0.056	0.058	0.063	0.009
A0146174	ASSAY	TB19172658	222.00	223.00	1.00	0.422	0.034	0.101	0.053	0.046	0.007
A0146175	ASSAY	TB19172658	223.00	224.00	1.00	0.498	0.032	0.126	0.110	0.047	0.006
A0146176	ASSAY	TB19172658	224.00	225.00	1.00	0.422	0.063	0.041	0.057	0.054	0.005
A0146177	ASSAY	TB19172658	225.00	226.00	1.00	0.904	0.093	0.101	0.210	0.108	0.008
A0146178	ASSAY	TB19172658	226.00	227.00	1.00	1.360	0.080	0.123	0.148	0.105	0.008
A0146179	ASSAY	TB19172658	227.00	228.00	1.00	0.314	0.020	0.044	0.044	0.074	0.007
A0146180	ASSAY	TB19172658	228.00	229.00	1.00	0.003	0.003	0.002	0.008	0.030	0.005
A0146181	ASSAY	TB19172658	229.00	230.00	1.00	0.003	0.003	0.003	0.008	0.024	0.004
A0146182	ASSAY	TB19172658	230.00	231.00	1.00	0.033	0.003	0.003	0.009	0.025	0.004
A0146183	ASSAY	TB19172658	231.00	232.00	1.00	0.150	0.006	0.005	0.015	0.037	0.005
A0146184	ASSAY	TB19172658	232.00	233.00	1.00	0.044	0.003	0.001	0.015	0.036	0.005
A0146185	ASSAY	TB19172658	233.00	234.00	1.00	0.018	0.003	0.005	0.018	0.032	0.004
A0146186	ASSAY	TB19172658	234.00	235.27	1.27	0.005	0.003	0.001	0.012	0.035	0.005

From	To	Lithology
235.27	244.20	**NOR** Norite Medium grained, weakly foliated 35-45 dtca, brown and distinct forest green in colour. weak-moderate pervasive chlorite alteration, local actinolite. chlorite also concentrated along joints/fault planes with slickenlines at top and bottom of interval . 30-55% brown OPX xstyls. Cross cut by a couple 2-3cm wide white quartz veins at 25dtca and some white quartz-albite-pyrite veins @ 30 dtca b/w 238 and 239m Trace blebby pyrite associated with patchy albitization and quartz-albite veinlets and trace disseminated pyrite in quartz-chlorite stringers. Upper contact distinct marked by local increase in foliation and appearance of OPX. Gradationl lower contact, intermittent OPX gradually decreasing.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0146187	ASSAY	TB19172658	235.27	236.00	0.73	0.002	0.003	0.001	0.013	0.040	0.005
A0146188	ASSAY	TB19172658	236.00	237.00	1.00	0.002	0.003	0.001	0.008	0.034	0.005
A0146189	ASSAY	TB19172658	237.00	238.00	1.00	0.001	0.003	0.001	0.007	0.032	0.005
A0146190	ASSAY	TB19172658	238.00	239.00	1.00	0.601	0.051	0.069	0.052	0.057	0.006
A0146192	ASSAY	TB19172658	239.00	240.00	1.00	0.034	0.003	0.003	0.012	0.033	0.005
A0146193	ASSAY	TB19172658	240.00	241.00	1.00	0.040	0.003	0.006	0.010	0.032	0.005
A0146194	ASSAY	TB19172658	241.00	242.00	1.00	0.009	0.003	0.001	0.010	0.030	0.005
A0146195	ASSAY	TB19172658	242.00	243.00	1.00	0.029	0.003	0.017	0.010	0.029	0.005
A0146196	ASSAY	TB19172658	243.00	244.20	1.20	0.038	0.003	0.003	0.010	0.030	0.005

From	To	Lithology
244.20	393.40	**GAB-Vt**

VT Gabbro
Fine to medium grained, mostly medium grained, local pegmatite bands below 336m. massive-locally foliated/sheared. green-grey, weak-mod chlorite-actinolite alteration, patchy pervasive pink potassic alt +/- sericite fractures +/- albitization. Patchy epidote from 279-289m. local noritic intervals at top. 5% qtz-cb +/-chl +/-sulphide veins down to ~350m. 323-369m: 10-50cm wide felsic pegmatite dykes
[288.97-293.96m: OFFSET FAULT (brittle fracturing and gouge to 290.14m, followed by more ductile shearing) 290.14-292.33: pale green, strongly altered (silicification+/-sericite), alteration front or possible dyke?]
Trace local pyrite to 257m, 257-294m: 0.5-2% py (disseminated, blebby, &along fractures, &forming veins b/w 273.43-276.12m & @284.11), 2% sheared pyrite veins and massive patches through fault zone. 258-285m: 0.5-1% po-py & (less) po-ccp as coarse blebs. Below fault (~294m) trace-1% pyrite (disseminated, blebs) locally trace blebs of po & ccp. 336-348m: py+/-po-ccp in pegmatitic bands.

Gradational upper contact wtih dissappearance of brown OPX xstyls
sharp, low angle, lower contact with norite

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0146197	ASSAY	TB19172658	244.20	245.00	0.80	0.041	0.003	0.013	0.017	0.030	0.005
A0146198	ASSAY	TB19172658	245.00	246.00	1.00	0.005	0.003	0.001	0.008	0.026	0.005
A0146199	ASSAY	TB19172658	246.00	247.00	1.00	0.043	0.006	0.007	0.013	0.027	0.005
A0146200	ASSAY	TB19172658	247.00	248.00	1.00	0.072	0.005	0.014	0.017	0.032	0.005
A0146201	ASSAY	TB19172658	248.00	249.00	1.00	0.150	0.008	0.015	0.017	0.033	0.006
A0146202	ASSAY	TB19172658	249.00	250.00	1.00	0.166	0.014	0.016	0.017	0.027	0.005
A0146203	ASSAY	TB19172658	250.00	251.00	1.00	0.046	0.003	0.004	0.015	0.017	0.004
A0146204	ASSAY	TB19172658	251.00	252.00	1.00	0.021	0.003	0.001	0.007	0.015	0.004
A0146205	ASSAY	TB19172658	252.00	253.00	1.00	0.011	0.003	0.001	0.007	0.014	0.004
A0146206	ASSAY	TB19172658	253.00	254.00	1.00	0.017	0.003	0.003	0.008	0.014	0.004
A0146207	ASSAY	TB19172658	254.00	255.00	1.00	0.002	0.003	0.006	0.013	0.014	0.004
A0146208	ASSAY	TB19172658	255.00	256.00	1.00	0.079	0.005	0.009	0.012	0.015	0.004
A0146209	ASSAY	TB19172658	256.00	257.00	1.00	0.027	0.003	0.003	0.012	0.015	0.004
A0146210	ASSAY	TB19172658	257.00	258.00	1.00	0.211	0.016	0.010	0.049	0.042	0.005
A0146212	ASSAY	TB19172658	258.00	259.00	1.00	0.715	0.057	0.037	0.137	0.074	0.009
A0146213	ASSAY	TB19172658	259.00	260.00	1.00	0.106	0.006	0.002	0.018	0.040	0.006
A0146214	ASSAY	TB19172658	260.00	261.00	1.00	0.328	0.025	0.011	0.023	0.045	0.006
A0146215	ASSAY	TB19172658	261.00	262.00	1.00	0.419	0.024	0.037	0.044	0.052	0.006
A0146216	ASSAY	TB19172658	262.00	263.00	1.00	0.209	0.020	0.012	0.024	0.035	0.006
A0146217	ASSAY	TB19172658	263.00	264.00	1.00	0.026	0.003	0.006	0.027	0.044	0.006
A0146218	ASSAY	TB19172658	264.00	265.00	1.00	0.021	0.003	0.005	0.018	0.037	0.005
A0146219	ASSAY	TB19172658	265.00	266.00	1.00	0.056	0.008	0.011	0.020	0.036	0.005
A0146220	ASSAY	TB19172658	266.00	267.00	1.00	0.020	0.003	0.025	0.070	0.081	0.009
A0146221	ASSAY	TB19172658	267.00	268.00	1.00	0.267	0.012	0.015	0.040	0.063	0.006
A0146222	ASSAY	TB19172658	268.00	269.00	1.00	0.150	0.008	0.005	0.012	0.026	0.005
A0146223	ASSAY	TB19172658	269.00	270.00	1.00	0.114	0.009	0.007	0.015	0.026	0.005
A0146224	ASSAY	TB19172658	270.00	271.00	1.00	0.002	0.003	0.007	0.023	0.019	0.005
A0146225	ASSAY	TB19172658	271.00	272.00	1.00	0.004	0.005	0.005	0.015	0.036	0.005
A0146226	ASSAY	TB19172658	272.00	273.00	1.00	0.221	0.027	0.016	0.050	0.057	0.006
A0146227	ASSAY	TB19172658	273.00	274.00	1.00	0.506	0.037	0.027	0.048	0.056	0.006
A0146228	ASSAY	TB19172658	274.00	275.00	1.00	0.084	0.012	0.009	0.020	0.031	0.005

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			A0146229	ASSAY	TB19172658	275.00	276.00	1.00	0.499	0.345	0.009	0.016	0.049	0.008
			A0146230	ASSAY	TB19172658	276.00	277.00	1.00	0.101	0.020	0.009	0.032	0.026	0.006
			A0146232	ASSAY	TB19172658	277.00	278.00	1.00	0.006	0.003	0.001	0.012	0.028	0.005
			A0146233	ASSAY	TB19172658	278.00	279.00	1.00	0.034	0.003	0.008	0.034	0.031	0.008
			A0146234	ASSAY	TB19172658	279.00	280.00	1.00	0.060	0.006	0.006	0.012	0.018	0.004
			A0146235	ASSAY	TB19172658	280.00	281.00	1.00	0.151	0.011	0.004	0.011	0.027	0.004
			A0146236	ASSAY	TB19172658	281.00	282.00	1.00	0.235	0.026	0.016	0.034	0.051	0.006
			A0146237	ASSAY	TB19172658	282.00	283.00	1.00	0.159	0.015	0.008	0.017	0.036	0.005
			A0146238	ASSAY	TB19172658	283.00	284.00	1.00	0.002	0.003	0.002	0.009	0.023	0.005
			A0146239	ASSAY	TB19172658	284.00	285.00	1.00	0.114	0.015	0.003	0.029	0.049	0.006
			A0146240	ASSAY	TB19172658	285.00	286.00	1.00	0.716	0.056	0.020	0.061	0.077	0.007
			A0146241	ASSAY	TB19172658	286.00	287.00	1.00	0.213	0.022	0.009	0.025	0.039	0.007
			A0146242	ASSAY	TB19172658	287.00	288.00	1.00	0.226	0.014	0.004	0.022	0.030	0.005
			A0146243	ASSAY	TB19172658	288.00	288.97	0.97	0.358	0.032	0.004	0.035	0.036	0.006
			A0146244	ASSAY	TB19172658	288.97	290.14	1.17	0.082	0.011	0.002	0.069	0.030	0.006
			A0146245	ASSAY	TB19172658	290.14	291.27	1.13	0.076	0.009	0.001	0.001	0.021	0.003
			A0146246	ASSAY	TB19172658	291.27	292.33	1.06	0.154	0.015	0.001	0.002	0.018	0.003
			A0146247	ASSAY	TB19172658	292.33	293.18	0.85	0.039	0.006	0.005	0.014	0.023	0.006
			A0146251	ASSAY	TB19172659	293.18	293.96	0.78	0.072	0.008	0.010	0.015	0.035	0.006
			A0146252	ASSAY	TB19172659	293.96	295.00	1.04	0.017	0.003	0.006	0.005	0.021	0.004
			A0146253	ASSAY	TB19172659	295.00	296.00	1.00	0.079	0.008	0.006	0.017	0.024	0.005
			A0146254	ASSAY	TB19172659	296.00	297.00	1.00	0.107	0.010	0.003	0.036	0.033	0.006
			A0146255	ASSAY	TB19172659	297.00	298.00	1.00	0.119	0.015	0.002	0.020	0.024	0.004
			A0146256	ASSAY	TB19172659	298.00	299.00	1.00	0.034	0.006	0.009	0.039	0.036	0.006
			A0146257	ASSAY	TB19172659	299.00	300.00	1.00	0.063	0.007	0.005	0.022	0.031	0.005
			A0146258	ASSAY	TB19172659	300.00	301.00	1.00	0.020	0.003	0.006	0.028	0.027	0.005
			A0146259	ASSAY	TB19172659	301.00	302.00	1.00	0.039	0.003	0.005	0.009	0.020	0.004
			A0146260	ASSAY	TB19172659	302.00	303.00	1.00	0.001	0.003	0.001	0.010	0.014	0.004
			A0146261	ASSAY	TB19172659	303.00	304.00	1.00	0.025	0.009	0.005	0.016	0.018	0.004
			A0146262	ASSAY	TB19172659	304.00	305.00	1.00	0.008	0.003	0.003	0.016	0.020	0.005
			A0146263	ASSAY	TB19172659	305.00	306.00	1.00	0.069	0.010	0.005	0.024	0.021	0.004
			A0146264	ASSAY	TB19172659	306.00	307.00	1.00	0.008	0.003	0.001	0.017	0.017	0.003

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			A0146265	ASSAY	TB19172659	307.00	308.00	1.00	0.001	0.003	0.001	0.035	0.032	0.006
			A0146266	ASSAY	TB19172659	308.00	309.00	1.00	0.025	0.003	0.001	0.014	0.028	0.005
			A0146267	ASSAY	TB19172659	309.00	310.00	1.00	0.004	0.003	0.001	0.023	0.035	0.005
			A0146268	ASSAY	TB19172659	310.00	311.00	1.00	0.303	0.033	0.003	0.036	0.037	0.006
			A0146270	ASSAY	TB19172659	311.00	312.00	1.00	0.079	0.012	0.006	0.031	0.031	0.004
			A0146271	ASSAY	TB19172659	312.00	313.00	1.00	0.002	0.003	0.004	0.034	0.033	0.005
			A0146272	ASSAY	TB19172659	313.00	314.00	1.00	0.004	0.003	0.001	0.028	0.032	0.005
			A0146273	ASSAY	TB19172659	314.00	315.00	1.00	0.015	0.003	0.001	0.028	0.034	0.005
			A0146274	ASSAY	TB19172659	315.00	316.00	1.00	0.156	0.013	0.003	0.034	0.034	0.006
			A0146275	ASSAY	TB19172659	316.00	317.00	1.00	0.234	0.026	0.005	0.059	0.034	0.006
			A0146276	ASSAY	TB19172659	317.00	318.00	1.00	0.143	0.012	0.001	0.026	0.031	0.005
			A0146277	ASSAY	TB19172659	318.00	319.00	1.00	0.009	0.003	0.006	0.011	0.027	0.004
			A0146278	ASSAY	TB19172659	319.00	320.00	1.00	0.066	0.007	0.001	0.019	0.030	0.005
			A0146279	ASSAY	TB19172659	320.00	321.00	1.00	0.105	0.005	0.001	0.020	0.028	0.005
			A0146280	ASSAY	TB19172659	321.00	322.00	1.00	0.013	0.003	0.001	0.012	0.021	0.004
			A0146281	ASSAY	TB19172659	322.00	323.00	1.00	0.291	0.040	0.005	0.035	0.037	0.006
			A0146282	ASSAY	TB19172659	323.00	324.00	1.00	0.159	0.016	0.003	0.019	0.023	0.004
			A0146283	ASSAY	TB19172659	324.00	325.00	1.00	0.021	0.003	0.001	0.012	0.023	0.005
			A0146284	ASSAY	TB19172659	325.00	326.00	1.00	0.044	0.005	0.001	0.016	0.028	0.005
			A0146285	ASSAY	TB19172659	326.00	327.00	1.00	0.200	0.020	0.004	0.021	0.029	0.005
			A0146286	ASSAY	TB19172659	327.00	328.00	1.00	0.126	0.010	0.004	0.017	0.023	0.005
			A0146287	ASSAY	TB19172659	328.00	329.00	1.00	0.019	0.003	0.001	0.008	0.016	0.004
			A0146288	ASSAY	TB19172659	329.00	330.00	1.00	0.013	0.003	0.001	0.011	0.016	0.005
			A0146290	ASSAY	TB19172659	330.00	331.00	1.00	0.021	0.003	0.001	0.015	0.016	0.005
			A0146291	ASSAY	TB19172659	331.00	332.00	1.00	0.199	0.036	0.002	0.018	0.018	0.005
			A0146292	ASSAY	TB19172659	332.00	333.00	1.00	0.057	0.005	0.003	0.012	0.017	0.005
			A0146293	ASSAY	TB19172659	333.00	334.00	1.00	0.098	0.010	0.001	0.019	0.021	0.005
			A0146294	ASSAY	TB19172659	334.00	335.00	1.00	0.055	0.003	0.001	0.015	0.018	0.005
			A0146295	ASSAY	TB19172659	335.00	336.00	1.00	0.040	0.005	0.002	0.014	0.016	0.005
			A0146296	ASSAY	TB19172659	336.00	337.00	1.00	0.035	0.003	0.008	0.021	0.021	0.005
			A0146297	ASSAY	TB19172659	337.00	338.00	1.00	0.123	0.013	0.004	0.021	0.023	0.005
			A0146298	ASSAY	TB19172659	338.00	339.00	1.00	0.001	0.003	0.001	0.011	0.013	0.004

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			A0146299	ASSAY	TB19172659	339.00	340.00	1.00	0.030	0.003	0.002	0.020	0.026	0.005
			A0146300	ASSAY	TB19172659	340.00	341.00	1.00	0.055	0.003	0.001	0.003	0.020	0.005
			A0146301	ASSAY	TB19172659	341.00	342.00	1.00	0.144	0.011	0.001	0.022	0.026	0.005
			A0146302	ASSAY	TB19172659	342.00	343.00	1.00	0.001	0.003	0.001	0.019	0.025	0.004
			A0146303	ASSAY	TB19172659	343.00	344.00	1.00	0.066	0.006	0.003	0.044	0.045	0.005
			A0146304	ASSAY	TB19172659	344.00	345.00	1.00	0.012	0.003	0.003	0.034	0.041	0.005
			A0146305	ASSAY	TB19172659	345.00	346.00	1.00	0.177	0.012	0.005	0.031	0.038	0.005
			A0146306	ASSAY	TB19172659	346.00	347.00	1.00	0.180	0.066	0.007	0.050	0.049	0.005
			A0146307	ASSAY	TB19172659	347.00	348.00	1.00	0.421	0.049	0.014	0.057	0.054	0.006
			A0146308	ASSAY	TB19172659	348.00	349.00	1.00	0.077	0.006	0.002	0.026	0.036	0.004
			A0146310	ASSAY	TB19172659	349.00	350.00	1.00	0.001	0.003	0.002	0.029	0.041	0.005
			A0146311	ASSAY	TB19172659	350.00	351.00	1.00	0.001	0.003	0.001	0.029	0.039	0.004
			A0146312	ASSAY	TB19172659	351.00	352.00	1.00	0.022	0.003	0.007	0.024	0.037	0.004
			A0146313	ASSAY	TB19172659	352.00	353.00	1.00	0.667	0.045	0.014	0.028	0.038	0.005
			A0146314	ASSAY	TB19172659	353.00	354.00	1.00	0.276	0.027	0.011	0.025	0.039	0.006
			A0146315	ASSAY	TB19172659	354.00	355.00	1.00	0.237	0.034	0.001	0.004	0.020	0.003
			A0146316	ASSAY	TB19172659	355.00	356.00	1.00	0.113	0.006	0.001	0.009	0.031	0.005
			A0146317	ASSAY	TB19172659	356.00	357.00	1.00	0.004	0.003	0.001	0.003	0.025	0.004
			A0146318	ASSAY	TB19172659	357.00	358.00	1.00	0.236	0.023	0.003	0.030	0.033	0.005
			A0146319	ASSAY	TB19172659	358.00	359.00	1.00	0.114	0.009	0.001	0.016	0.027	0.004
			A0146320	ASSAY	TB19172659	359.00	360.00	1.00	0.002	0.003	0.013	0.010	0.026	0.004
			A0146321	ASSAY	TB19172659	360.00	361.00	1.00	0.002	0.003	0.004	0.011	0.032	0.004
			A0146322	ASSAY	TB19172659	361.00	362.00	1.00	0.007	0.003	0.001	0.026	0.045	0.006
			A0146323	ASSAY	TB19172659	362.00	363.00	1.00	0.263	0.030	0.002	0.015	0.035	0.005
			A0146324	ASSAY	TB19172659	363.00	364.00	1.00	0.316	0.031	0.002	0.018	0.033	0.005
			A0146325	ASSAY	TB19172659	364.00	365.00	1.00	0.168	0.019	0.005	0.016	0.030	0.004
			A0146329	ASSAY	TB19160567	365.00	366.00	1.00	0.169	0.021	0.003	0.015	0.037	0.006
			A0146330	ASSAY	TB19160567	366.00	367.00	1.00	0.131	0.012	0.043	0.020	0.030	0.006
			A0146331	ASSAY	TB19160567	367.00	368.00	1.00	0.135	0.016	0.003	0.017	0.033	0.005
			A0146332	ASSAY	TB19160567	368.00	369.00	1.00	0.089	0.008	0.001	0.009	0.022	0.004
			A0146333	ASSAY	TB19160567	369.00	370.00	1.00	0.128	0.012	0.003	0.012	0.033	0.005
			A0146334	ASSAY	TB19160567	370.00	371.00	1.00	0.063	0.008	0.001	0.010	0.030	0.005

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			A0146335	ASSAY	TB19160567	371.00	372.00	1.00	0.114	0.014	0.008	0.055	0.055	0.006
			A0146336	ASSAY	TB19160567	372.00	373.00	1.00	0.014	0.003	0.002	0.022	0.040	0.006
			A0146337	ASSAY	TB19160567	373.00	374.00	1.00	0.001	0.003	0.001	0.016	0.038	0.006
			A0146338	ASSAY	TB19160567	374.00	375.00	1.00	0.136	0.014	0.003	0.016	0.040	0.006
			A0146339	ASSAY	TB19160567	375.00	376.00	1.00	0.059	0.007	0.002	0.020	0.041	0.006
			A0146340	ASSAY	TB19160567	376.00	377.00	1.00	0.013	0.003	0.001	0.014	0.035	0.006
			A0146341	ASSAY	TB19160567	377.00	378.00	1.00	0.010	0.003	0.001	0.026	0.042	0.006
			A0146342	ASSAY	TB19160567	378.00	379.00	1.00	0.023	0.014	0.002	0.014	0.043	0.007
			A0146343	ASSAY	TB19160567	379.00	380.00	1.00	0.438	0.049	0.020	0.015	0.049	0.008
			A0146344	ASSAY	TB19160567	380.00	381.00	1.00	0.667	0.061	0.052	0.077	0.063	0.008
			A0146345	ASSAY	TB19160567	381.00	382.00	1.00	0.429	0.085	0.012	0.025	0.044	0.007
			A0146346	ASSAY	TB19160567	382.00	383.00	1.00	0.008	0.003	0.001	0.009	0.035	0.007
			A0146348	ASSAY	TB19160567	383.00	384.00	1.00	0.073	0.009	0.006	0.013	0.035	0.006
			A0146349	ASSAY	TB19160567	384.00	385.00	1.00	0.087	0.009	0.008	0.015	0.034	0.005
			A0146350	ASSAY	TB19160567	385.00	386.00	1.00	10.800	0.250	0.270	0.564	0.049	0.009
			A0146351	ASSAY	TB19160567	386.00	387.00	1.00	0.217	0.027	0.019	0.092	0.042	0.007
			A0146352	ASSAY	TB19160567	387.00	388.00	1.00	0.188	0.016	0.015	0.014	0.040	0.007
			A0146353	ASSAY	TB19160567	388.00	389.00	1.00	0.054	0.003	0.011	0.013	0.037	0.007
			A0146354	ASSAY	TB19160567	389.00	390.00	1.00	0.132	0.016	0.013	0.015	0.039	0.007
			A0146355	ASSAY	TB19160567	390.00	391.00	1.00	0.124	0.019	0.010	0.017	0.034	0.005
			A0146356	ASSAY	TB19160567	391.00	392.00	1.00	0.012	0.003	0.006	0.018	0.043	0.007
			A0146357	ASSAY	TB19160567	392.00	393.40	1.40	0.008	0.003	0.009	0.015	0.037	0.006
393.40	394.82	**NOR**	A0146358	ASSAY	TB19160567	393.40	394.82	1.42	0.151	0.003	0.005	0.019	0.054	0.007

Norite
mg, brown in colour, sharp contacts at low angle to core axis, contains bronzite, brown pitted OPX, ~25% plagioclase. weak patchy chlorite-actinolite alteration. contains small bands of gabbro locally.

From	To	Lithology
394.82	487.68	**GAB-Vt**

VT Gabbro
Predominantly medium grained, but ranging fg-locally cg bands. green-grey, massive to weakly foliated, weak-moderate chlorite-actinolite alteration. Local noritic intervals with increase in brown OPX/decrease in plag/change to black (Mg-rich?) chlorite, particularly b/w ~412 and 422m. 5% 10-15dtca white 1cm wide quartz veins throughout.
Mineralization:
395-400m:Pyrite 1-2% from fg disseminations occurring in patches to weak patchy net texture and locally filling fractures.
401-411.98m: trace-3% py +/-po +/-ccp disseminated to weak net texture, locally forming veins.
411.98-412.25m: 20% ccp-po-py massive and forming veins.
424-447m: patchy trace-1% fg disseminated pyrite, up to 3% weak net textured py-po +/-ccp, local po-ccp-py as blebs in cg bands and filling fractures.
455-487.68m: trace-4% PY-PO +/-CCP as fine to medium blebs, local weak net texture, local fracture fill, coarse blebs in cg gabbro bands, often associated with stronger chl-act alt.

sharp lower contact with magnetic mafic dyke.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0146359	ASSAY	TB19160567	394.82	396.00	1.18	0.066	0.008	0.005	0.015	0.038	0.006
A0146360	ASSAY	TB19160567	396.00	397.00	1.00	0.027	0.022	0.009	0.025	0.044	0.006
A0146361	ASSAY	TB19160567	397.00	398.00	1.00	0.017	0.003	0.012	0.055	0.065	0.007
A0146362	ASSAY	TB19160567	398.00	399.00	1.00	0.063	0.008	0.011	0.051	0.060	0.007
A0146363	ASSAY	TB19160567	399.00	400.00	1.00	0.048	0.007	0.015	0.045	0.055	0.007
A0146364	ASSAY	TB19160567	400.00	401.00	1.00	0.114	0.012	0.038	0.024	0.041	0.006
A0146365	ASSAY	TB19160567	401.00	402.00	1.00	0.194	0.027	0.031	0.032	0.042	0.007
A0146366	ASSAY	TB19160567	402.00	403.00	1.00	0.057	0.006	0.016	0.024	0.045	0.007
A0146368	ASSAY	TB19160567	403.00	404.00	1.00	0.008	0.003	0.020	0.100	0.090	0.008
A0146369	ASSAY	TB19160567	404.00	405.00	1.00	0.012	0.003	0.040	0.059	0.067	0.007
A0146370	ASSAY	TB19160567	405.00	406.00	1.00	0.031	0.010	0.056	0.163	0.155	0.010
A0146371	ASSAY	TB19160567	406.00	407.00	1.00	0.035	0.008	0.029	0.196	0.170	0.010
A0146372	ASSAY	TB19160567	407.00	408.00	1.00	0.022	0.015	0.063	0.366	0.302	0.013
A0146373	ASSAY	TB19160567	408.00	409.00	1.00	0.001	0.003	0.001	0.014	0.042	0.007
A0146374	ASSAY	TB19160567	409.00	410.00	1.00	0.004	0.003	0.004	0.024	0.051	0.008
A0146375	ASSAY	TB19160567	410.00	411.00	1.00	0.010	0.003	0.003	0.020	0.049	0.008
A0146376	ASSAY	TB19160567	411.00	412.00	1.00	0.980	0.272	0.039	0.042	0.053	0.008
A0146377	ASSAY	TB19160567	412.00	413.00	1.00	17.900	0.430	0.660	0.228	0.534	0.021
A0146378	ASSAY	TB19160567	413.00	414.00	1.00	0.009	0.003	0.004	0.020	0.049	0.008
A0146379	ASSAY	TB19160567	414.00	415.00	1.00	0.153	0.018	0.021	0.026	0.053	0.008
A0146380	ASSAY	TB19160567	415.00	416.00	1.00	0.176	0.024	0.020	0.024	0.051	0.008
A0146381	ASSAY	TB19160567	416.00	417.00	1.00	0.252	0.020	0.023	0.027	0.051	0.008
A0146382	ASSAY	TB19160567	417.00	418.00	1.00	0.057	0.007	0.013	0.021	0.050	0.008
A0146383	ASSAY	TB19160567	418.00	419.00	1.00	0.188	0.016	0.019	0.022	0.050	0.008
A0146384	ASSAY	TB19160567	419.00	420.00	1.00	0.006	0.003	0.008	0.032	0.057	0.007
A0146385	ASSAY	TB19160567	420.00	421.00	1.00	0.438	0.029	0.031	0.029	0.051	0.008
A0146386	ASSAY	TB19160567	421.00	422.00	1.00	0.042	0.003	0.005	0.017	0.046	0.008
A0146388	ASSAY	TB19160567	422.00	423.00	1.00	0.013	0.003	0.004	0.024	0.055	0.008
A0146389	ASSAY	TB19160567	423.00	424.00	1.00	0.009	0.003	0.002	0.019	0.048	0.008
A0146390	ASSAY	TB19160567	424.00	425.00	1.00	0.253	0.029	0.037	0.069	0.093	0.008
A0146391	ASSAY	TB19160567	425.00	426.00	1.00	0.013	0.003	0.016	0.050	0.075	0.008

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			A0146392	ASSAY	TB19160567	426.00	427.00	1.00	0.017	0.017	0.011	0.046	0.069	0.008
			A0146393	ASSAY	TB19160567	427.00	428.00	1.00	0.008	0.003	0.004	0.021	0.048	0.007
			A0146394	ASSAY	TB19160567	428.00	429.00	1.00	1.740	0.174	0.119	0.091	0.100	0.009
			A0146395	ASSAY	TB19160567	429.00	430.00	1.00	0.022	0.009	0.042	0.231	0.224	0.012
			A0146396	ASSAY	TB19160567	430.00	431.00	1.00	0.029	0.012	0.068	0.362	0.332	0.014
			A0146397	ASSAY	TB19160567	431.00	432.00	1.00	0.023	0.007	0.022	0.114	0.121	0.009
			A0146398	ASSAY	TB19160567	432.00	433.00	1.00	0.010	0.003	0.011	0.060	0.079	0.008
			A0146399	ASSAY	TB19160567	433.00	434.00	1.00	0.469	0.092	0.061	0.065	0.109	0.010
			A0146400	ASSAY	TB19160567	434.00	435.00	1.00	0.039	0.009	0.006	0.021	0.046	0.007
			A0146401	ASSAY	TB19160567	435.00	436.00	1.00	2.460	0.240	0.194	0.114	0.116	0.010
			A0146402	ASSAY	TB19160567	436.00	437.00	1.00	3.560	0.452	0.241	0.191	0.151	0.012
			A0146403	ASSAY	TB19160567	437.00	438.00	1.00	1.240	0.130	0.204	0.064	0.072	0.008
			A0146407	ASSAY	TB19160569	438.00	439.00	1.00	0.112	0.012	0.013	0.018	0.039	0.006
			A0146408	ASSAY	TB19160569	439.00	440.00	1.00	0.008	0.003	0.004	0.013	0.037	0.006
			A0146409	ASSAY	TB19160569	440.00	441.00	1.00	0.760	0.071	0.080	0.041	0.046	0.006
			A0146410	ASSAY	TB19160569	441.00	442.00	1.00	0.020	0.003	0.011	0.014	0.033	0.005
			A0146411	ASSAY	TB19160569	442.00	443.00	1.00	0.782	0.093	0.065	0.034	0.052	0.007
			A0146412	ASSAY	TB19160569	443.00	444.00	1.00	0.097	0.012	0.006	0.008	0.035	0.006
			A0146413	ASSAY	TB19160569	444.00	445.00	1.00	0.042	0.005	0.004	0.012	0.034	0.006
			A0146414	ASSAY	TB19160569	445.00	446.00	1.00	0.042	0.005	0.025	0.028	0.036	0.005
			A0146415	ASSAY	TB19160569	446.00	447.00	1.00	0.608	0.089	0.078	0.042	0.062	0.008
			A0146416	ASSAY	TB19160569	447.00	448.00	1.00	0.135	0.015	0.022	0.017	0.037	0.006
			A0146417	ASSAY	TB19160569	448.00	449.00	1.00	0.120	0.014	0.016	0.017	0.034	0.006
			A0146418	ASSAY	TB19160569	449.00	450.00	1.00	0.163	0.015	0.017	0.018	0.032	0.005
			A0146419	ASSAY	TB19160569	450.00	451.00	1.00	0.043	0.006	0.009	0.014	0.033	0.006
			A0146420	ASSAY	TB19160569	451.00	452.00	1.00	0.005	0.003	0.007	0.014	0.035	0.006
			A0146421	ASSAY	TB19160569	452.00	453.00	1.00	0.001	0.003	0.006	0.024	0.041	0.006
			A0146422	ASSAY	TB19160569	453.00	454.00	1.00	0.004	0.003	0.004	0.012	0.032	0.006
			A0146423	ASSAY	TB19160569	454.00	455.00	1.00	0.050	0.012	0.016	0.016	0.035	0.006
			A0146424	ASSAY	TB19160569	455.00	456.00	1.00	0.010	0.003	0.009	0.012	0.032	0.006
			A0146426	ASSAY	TB19160569	456.00	457.00	1.00	0.233	0.018	0.014	0.021	0.040	0.006
			A0146427	ASSAY	TB19160569	457.00	458.00	1.00	0.011	0.003	0.003	0.012	0.032	0.006

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			A0146428	ASSAY	TB19160569	458.00	459.00	1.00	0.261	0.038	0.015	0.020	0.040	0.006
			A0146429	ASSAY	TB19160569	459.00	460.00	1.00	0.009	0.003	0.011	0.037	0.049	0.006
			A0146430	ASSAY	TB19160569	460.00	461.00	1.00	0.829	0.076	0.113	0.157	0.132	0.008
			A0146431	ASSAY	TB19160569	461.00	462.00	1.00	4.450	0.411	0.280	0.167	0.155	0.011
			A0146432	ASSAY	TB19160569	462.00	463.00	1.00	3.070	0.285	0.247	0.097	0.101	0.008
			A0146433	ASSAY	TB19160569	463.00	464.00	1.00	0.267	0.026	0.019	0.030	0.045	0.006
			A0146434	ASSAY	TB19160569	464.00	465.00	1.00	0.878	0.112	0.080	0.062	0.061	0.007
			A0146435	ASSAY	TB19160569	465.00	466.00	1.00	0.941	0.132	0.159	0.059	0.070	0.008
			A0146436	ASSAY	TB19160569	466.00	467.00	1.00	1.040	0.121	0.128	0.094	0.101	0.010
			A0146437	ASSAY	TB19160569	467.00	468.00	1.00	0.233	0.031	0.035	0.030	0.047	0.006
			A0146438	ASSAY	TB19160569	468.00	469.00	1.00	0.218	0.027	0.026	0.024	0.041	0.006
			A0146439	ASSAY	TB19160569	469.00	470.00	1.00	1.050	0.099	0.090	0.053	0.060	0.007
			A0146440	ASSAY	TB19160569	470.00	471.00	1.00	0.082	0.008	0.009	0.013	0.034	0.006
			A0146441	ASSAY	TB19160569	471.00	472.00	1.00	1.490	0.190	0.099	0.072	0.077	0.008
			A0146442	ASSAY	TB19160569	472.00	473.00	1.00	1.610	0.168	0.128	0.075	0.078	0.008
			A0146443	ASSAY	TB19160569	473.00	474.00	1.00	1.340	0.132	0.118	0.066	0.073	0.008
			A0146444	ASSAY	TB19160569	474.00	475.00	1.00	0.023	0.003	0.004	0.012	0.031	0.006
			A0146446	ASSAY	TB19160569	475.00	476.00	1.00	1.100	0.115	0.054	0.039	0.054	0.006
			A0146447	ASSAY	TB19160569	476.00	477.00	1.00	0.235	0.029	0.015	0.018	0.039	0.006
			A0146448	ASSAY	TB19160569	477.00	478.00	1.00	0.026	0.005	0.012	0.012	0.030	0.006
			A0146449	ASSAY	TB19160569	478.00	479.00	1.00	0.068	0.010	0.015	0.018	0.035	0.006
			A0146450	ASSAY	TB19160569	479.00	480.00	1.00	3.810	0.428	0.410	0.139	0.135	0.010
			A0146451	ASSAY	TB19160569	480.00	481.00	1.00	3.980	0.307	0.250	0.150	0.156	0.012
			A0146452	ASSAY	TB19160569	481.00	482.00	1.00	1.980	0.200	0.252	0.075	0.088	0.008
			A0146453	ASSAY	TB19160569	482.00	483.00	1.00	2.000	0.220	0.250	0.094	0.106	0.009
			A0146454	ASSAY	TB19160569	483.00	484.00	1.00	2.070	0.232	0.225	0.097	0.108	0.009
			A0146455	ASSAY	TB19160569	484.00	485.00	1.00	4.460	0.370	0.328	0.196	0.112	0.009
			A0146456	ASSAY	TB19160569	485.00	486.00	1.00	0.924	0.176	0.074	0.039	0.052	0.007
			A0146457	ASSAY	TB19160569	486.00	487.00	1.00	2.900	0.316	0.314	0.106	0.114	0.010
			A0146458	ASSAY	TB19160569	487.00	487.68	0.68	1.790	0.166	0.142	0.068	0.071	0.009

From	To	Lithology
487.68	490.60	**DIKE-Mafic** Magnetic Mafic Dyke. Actually two dykes separated by 30cm interval of gabbro b/w 489.5-489.84m Upper dyke: upper contact sharp at 40dtca, lower contact sharp at 35 dtca. Lower Dyke: upper contact sharp at 20dtca, lower contact sharp at 25 dtca. mg, black and white at top of interval grading into fine grained black for remainder of interval. Trace pyrite filling fractures, 3% fg diss magnetite.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0146459	ASSAY	TB19160569	487.68	488.53	0.85	0.015	0.003	0.010	0.011	0.005	0.002
A0146460	ASSAY	TB19160569	488.53	489.50	0.97	0.090	0.007	0.004	0.007	0.009	0.003
A0146461	ASSAY	TB19160569	489.50	490.60	1.10	0.194	0.024	0.007	0.010	0.019	0.004

From	To	Lithology
490.60	532.51	**GAB-Vt** VT Gabbro fine grained to coarse grained. Mostly green and mg. weak to strong chlorite-actinolite alt. Local K-alt along fractures. b/w 495.75 and 511m there are gradational patches of leucocratic coarse grained-pegmatitic gabbro. ~514-522m more massive, consistent, mg gabbro. 493.08-493.78m grey intermediate dyke with tr-1% ccp blebs. tr-2% py-po +/-ccp in blebs, typically in cg/pegmatitic and/or leucocratic gabbro patches. trace disseminated pyrite+/-po blebs towards end of interval.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0146462	ASSAY	TB19160569	490.60	491.20	0.60	0.400	0.075	0.041	0.044	0.059	0.009
A0146463	ASSAY	TB19160569	491.20	492.00	0.80	0.039	0.009	0.040	0.046	0.051	0.007
A0146464	ASSAY	TB19160569	492.00	493.08	1.08	0.256	0.032	0.018	0.029	0.040	0.006
A0146466	ASSAY	TB19160569	493.08	493.78	0.70	0.067	0.008	0.341	0.576	0.022	0.005
A0146467	ASSAY	TB19160569	493.78	495.00	1.22	0.151	0.020	0.046	0.071	0.069	0.006
A0146468	ASSAY	TB19160569	495.00	496.00	1.00	0.317	0.050	0.069	0.066	0.072	0.008
A0146469	ASSAY	TB19160569	496.00	497.00	1.00	0.884	0.110	0.102	0.069	0.077	0.007
A0146470	ASSAY	TB19160569	497.00	498.00	1.00	0.408	0.046	0.039	0.044	0.054	0.006
A0146471	ASSAY	TB19160569	498.00	499.00	1.00	0.045	0.007	0.023	0.034	0.041	0.005
A0146472	ASSAY	TB19160569	499.00	500.00	1.00	0.106	0.015	0.019	0.025	0.043	0.005
A0146473	ASSAY	TB19160569	500.00	501.00	1.00	0.168	0.018	0.039	0.045	0.040	0.005
A0146474	ASSAY	TB19160569	501.00	502.00	1.00	0.025	0.003	0.015	0.023	0.031	0.005
A0146475	ASSAY	TB19160569	502.00	503.00	1.00	0.018	0.003	0.015	0.026	0.040	0.005
A0146476	ASSAY	TB19160569	503.00	504.00	1.00	0.085	0.011	0.019	0.034	0.044	0.005
A0146477	ASSAY	TB19160569	504.00	505.00	1.00	0.006	0.003	0.015	0.022	0.032	0.004
A0146478	ASSAY	TB19160569	505.00	506.00	1.00	0.076	0.007	0.010	0.023	0.028	0.004
A0146479	ASSAY	TB19160569	506.00	507.00	1.00	0.064	0.010	0.011	0.016	0.039	0.005
A0146480	ASSAY	TB19160569	507.00	508.00	1.00	0.271	0.024	0.025	0.028	0.039	0.005
A0146481	ASSAY	TB19160569	508.00	509.00	1.00	0.013	0.003	0.003	0.009	0.024	0.004
A0146485	ASSAY	TB19160570	509.00	510.00	1.00	0.028	0.003	0.003	0.007	0.023	0.004
A0146486	ASSAY	TB19160570	510.00	511.00	1.00	0.297	0.054	0.062	0.050	0.037	0.005
A0146487	ASSAY	TB19160570	511.00	512.00	1.00	0.379	0.032	0.044	0.043	0.041	0.005
A0146488	ASSAY	TB19160570	512.00	513.00	1.00	0.018	0.003	0.010	0.018	0.025	0.004
A0146489	ASSAY	TB19160570	513.00	514.00	1.00	0.009	0.003	0.009	0.012	0.025	0.004
A0146490	ASSAY	TB19160570	514.00	515.00	1.00	0.005	0.003	0.006	0.015	0.029	0.005
A0146491	ASSAY	TB19160570	515.00	516.00	1.00	0.002	0.003	0.009	0.017	0.024	0.005
A0146492	ASSAY	TB19160570	516.00	517.00	1.00	0.008	0.003	0.005	0.012	0.024	0.005
A0146493	ASSAY	TB19160570	517.00	518.00	1.00	0.002	0.003	0.004	0.009	0.024	0.005
A0146494	ASSAY	TB19160570	518.00	519.00	1.00	0.030	0.006	0.009	0.020	0.032	0.005
A0146495	ASSAY	TB19160570	519.00	520.00	1.00	0.001	0.003	0.005	0.011	0.027	0.005
A0146496	ASSAY	TB19160570	520.00	521.00	1.00	0.017	0.003	0.009	0.013	0.027	0.005

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			A0146497	ASSAY	TB19160570	521.00	522.00	1.00	0.007	0.003	0.003	0.007	0.022	0.005
			A0146498	ASSAY	TB19160570	522.00	523.00	1.00	0.014	0.003	0.008	0.011	0.022	0.004
			A0146499	ASSAY	TB19160570	523.00	524.00	1.00	0.010	0.003	0.020	0.012	0.021	0.005
			A0146500	ASSAY	TB19160570	524.00	525.00	1.00	0.089	0.021	0.011	0.012	0.024	0.005
			A0146501	ASSAY	TB19160570	525.00	526.00	1.00	0.030	0.005	0.009	0.015	0.023	0.005
			A0146502	ASSAY	TB19160570	526.00	527.00	1.00	0.218	0.034	0.018	0.022	0.033	0.006
			A0146504	ASSAY	TB19160570	527.00	528.00	1.00	0.028	0.007	0.017	0.014	0.026	0.006
			A0146505	ASSAY	TB19160570	528.00	529.00	1.00	0.173	0.029	0.021	0.019	0.031	0.006
			A0146506	ASSAY	TB19160570	529.00	530.00	1.00	0.293	0.040	0.033	0.029	0.036	0.006
			A0146507	ASSAY	TB19160570	530.00	531.00	1.00	0.065	0.016	0.006	0.010	0.027	0.005
			A0146508	ASSAY	TB19160570	531.00	531.75	0.75	0.059	0.008	0.022	0.027	0.034	0.005
			A0146509	ASSAY	TB19160570	531.75	532.50	0.75	0.100	0.015	0.005	0.015	0.032	0.005
			A0146510	ASSAY	TB19160570	532.50	533.75	1.25	0.062	0.009	0.005	0.009	0.014	0.002
532.51	551.22	**GAB-VBx** VT Bx Gabbro Upper contact distinct but diffuse, marked by appearance of anorthositic and leucogabbro bands and sometimes as distinct fragments. green mg gabbro alternating with beige-pale green mg anorthosite and cg leucogabbro. wk chl-act alteration throughout. local pervasive epidote alteration of feldpsar-rich intervals and along fractures +/- silicification. trace-1% pyrite (fg-mg disseminated, blebs, and along fractures), local po blebs w/ py in cg gabbro bands.	A0146511	ASSAY	TB19160570	533.75	535.00	1.25	0.071	0.014	0.052	0.009	0.015	0.002
			A0146512	ASSAY	TB19160570	535.00	536.00	1.00	0.329	0.038	0.029	0.028	0.024	0.004
			A0146513	ASSAY	TB19160570	536.00	537.00	1.00	0.400	0.063	0.020	0.018	0.031	0.005
			A0146514	ASSAY	TB19160570	537.00	538.00	1.00	0.048	0.011	0.011	0.008	0.012	0.003
			A0146515	ASSAY	TB19160570	538.00	539.00	1.00	0.013	0.003	0.028	0.024	0.023	0.003
			A0146516	ASSAY	TB19160570	539.00	540.00	1.00	0.160	0.022	0.028	0.027	0.019	0.003
			A0146517	ASSAY	TB19160570	540.00	541.00	1.00	0.757	0.090	0.070	0.050	0.039	0.004
			A0146518	ASSAY	TB19160570	541.00	542.00	1.00	0.570	0.053	0.039	0.033	0.032	0.004
			A0146519	ASSAY	TB19160570	542.00	543.00	1.00	0.320	0.042	0.027	0.030	0.035	0.005
			A0146520	ASSAY	TB19160570	543.00	544.00	1.00	0.061	0.012	0.008	0.007	0.011	0.002
			A0146521	ASSAY	TB19160570	544.00	545.00	1.00	0.083	0.017	0.008	0.006	0.019	0.004
			A0146522	ASSAY	TB19160570	545.00	546.00	1.00	0.124	0.019	0.004	0.005	0.019	0.003
			A0146524	ASSAY	TB19160570	546.00	547.00	1.00	0.049	0.011	0.005	0.006	0.015	0.003
			A0146525	ASSAY	TB19160570	547.00	548.00	1.00	0.125	0.032	0.013	0.011	0.013	0.002
			A0146526	ASSAY	TB19160570	548.00	549.00	1.00	0.067	0.018	0.004	0.008	0.019	0.003
			A0146527	ASSAY	TB19160570	549.00	550.00	1.00	0.035	0.006	0.002	0.004	0.008	0.001
			A0146528	ASSAY	TB19160570	550.00	551.22	1.22	0.029	0.012	0.005	0.009	0.010	0.002

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
551.22	557.78	**GAB-Vt** VT Gabbro fg-mg, locally cg in bands, green-grey, wk chl-act alt. local patchy K-alt, local epidote along fractures. sharp lower contact with dyke. ~553-557m 3% py>po>ccp fine to coarse blebs, filling fractures, weak net texture.	A0146529	ASSAY	TB19160570	551.22	552.00	0.78	0.185	0.028	0.015	0.016	0.026	0.005
			A0146530	ASSAY	TB19160570	552.00	553.00	1.00	0.271	0.036	0.013	0.011	0.025	0.004
			A0146531	ASSAY	TB19160570	553.00	554.00	1.00	2.840	0.306	0.180	0.114	0.113	0.008
			A0146532	ASSAY	TB19160570	554.00	555.00	1.00	3.170	0.326	0.212	0.096	0.108	0.007
			A0146533	ASSAY	TB19160570	555.00	556.00	1.00	3.990	0.520	0.321	0.182	0.158	0.008
			A0146534	ASSAY	TB19160570	556.00	557.00	1.00	4.910	0.543	0.269	0.213	0.219	0.010
			A0146535	ASSAY	TB19160570	557.00	557.78	0.78	2.260	0.246	0.061	0.099	0.080	0.006
557.78	563.00	**DIKE-Mafic** Mafic Dyke fg, greenish grey, sharp contacts @ 20dtca. B/w 559.35-560.44m foliated and brecciated with pervasive potassic, silica and sericite alteration. 557.78-559.35m: trace disseminated pyrite 559.35-560.44m: 0.5% py-ccp disseminated and blebs 560.7-563m: quartz veining with 1% ccp-py + 0.5% pyrite as disseminations and fracture filling.	A0146536	ASSAY	TB19160570	557.78	559.00	1.22	0.451	0.048	0.008	0.036	0.035	0.005
			A0146537	ASSAY	TB19160570	559.00	560.00	1.00	1.860	0.186	0.010	0.039	0.078	0.007
			A0146538	ASSAY	TB19160570	560.00	561.00	1.00	0.150	0.022	0.001	0.048	0.024	0.002
			A0146539	ASSAY	TB19160570	561.00	562.00	1.00	0.005	0.003	0.001	0.043	0.025	0.003
			A0146540	ASSAY	TB19160570	562.00	563.00	1.00	0.525	0.051	0.003	0.060	0.030	0.003
563.00	577.58	**GAB-Vt** VT Gabbro fg-mg, green-grey, weak chl-act alt, massive. □1-2% (locally up to 5%) po-py as blebs to local weak net texture. +trace fg-mg disseminated pyrite in patches	A0146541	ASSAY	TB19160570	563.00	564.00	1.00	4.100	0.410	0.088	0.075	0.115	0.009
			A0146542	ASSAY	TB19160570	564.00	565.00	1.00	2.700	0.295	0.044	0.041	0.097	0.006
			A0146544	ASSAY	TB19160570	565.00	566.00	1.00	0.440	0.053	0.008	0.011	0.037	0.004
			A0146545	ASSAY	TB19160570	566.00	567.00	1.00	2.870	0.316	0.181	0.109	0.113	0.007
			A0146546	ASSAY	TB19160570	567.00	568.00	1.00	7.000	0.780	0.554	0.250	0.217	0.010
			A0146547	ASSAY	TB19160570	568.00	569.00	1.00	1.840	0.164	0.121	0.088	0.061	0.005
			A0146548	ASSAY	TB19160570	569.00	570.00	1.00	0.339	0.040	0.014	0.017	0.014	0.002
			A0146549	ASSAY	TB19160570	570.00	571.00	1.00	0.223	0.026	0.012	0.018	0.017	0.002
			A0146550	ASSAY	TB19160570	571.00	572.00	1.00	0.487	0.067	0.021	0.017	0.032	0.003
			A0146551	ASSAY	TB19160570	572.00	573.00	1.00	0.734	0.092	0.034	0.021	0.047	0.004
			A0146552	ASSAY	TB19160570	573.00	574.00	1.00	3.450	0.442	0.167	0.128	0.118	0.006
			A0146553	ASSAY	TB19160570	574.00	575.00	1.00	5.640	0.631	0.290	0.183	0.191	0.010
			A0146554	ASSAY	TB19160570	575.00	576.00	1.00	5.520	0.640	0.163	0.218	0.194	0.009
			A0146555	ASSAY	TB19160570	576.00	576.75	0.75	12.200	1.340	0.720	0.403	0.362	0.012
			A0146556	ASSAY	TB19160570	576.75	577.58	0.83	13.800	2.100	0.640	0.443	0.410	0.016

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
577.58	587.48	**GAB-VBx** VT Gabbro Bx mg, alternating between gabbro and bands and fragments of leucocratic gabbro. Folded @~580.7m. weak-mod chl-act alt. trace-5% (1-2% overall) py-po as blebs, wk net texture, dissemianted, local fracture fill and local pyrite veinlets (30-40dtca) gradational upper contact. sharp lower contact.	A0146557	ASSAY	TB19160570	577.58	579.00	1.42	5.020	0.451	0.134	0.110	0.199	0.010
			A0146558	ASSAY	TB19160570	579.00	580.00	1.00	0.775	0.045	0.015	0.016	0.031	0.003
			A0146559	ASSAY	TB19160570	580.00	581.00	1.00	0.729	0.087	0.018	0.015	0.031	0.003
			A0146563	ASSAY	TB19151008	581.00	582.00	1.00	0.494	0.060	0.012	0.013	0.029	0.003
			A0146564	ASSAY	TB19151008	582.00	583.00	1.00	0.832	0.116	0.033	0.019	0.037	0.003
			A0146565	ASSAY	TB19151008	583.00	584.00	1.00	1.060	0.094	0.015	0.012	0.050	0.005
			A0146566	ASSAY	TB19151008	584.00	585.00	1.00	3.540	0.403	0.142	0.071	0.114	0.006
			A0146567	ASSAY	TB19151008	585.00	586.00	1.00	0.428	0.067	0.012	0.009	0.024	0.004
			A0146568	ASSAY	TB19151008	586.00	587.48	1.48	0.329	0.051	0.012	0.014	0.027	0.004
587.48	589.65	**DIKE-Mafic** Magnetic Mafic Dyke vfg , dark grey, strongly magnetic, 1% vfg disseminated pyrite and local fracture fill. sharp contacts: upper 30dtca, lower 20dtca.	A0146569	ASSAY	TB19151008	587.48	588.59	1.11	0.031	0.003	0.029	0.017	0.002	0.002
			A0146570	ASSAY	TB19151008	588.59	589.65	1.06	0.028	0.003	0.016	0.037	0.003	0.002
589.65	596.00	**GAB-VBx** VT Gabbro Bx mg, alternating between gabbro and bands and fragments of leucocratic gabbro and local anorthosite. top of interval altered to: chlorite, patchy epidote, Kspar and albite, and local sericite. Below 592m, weak -mod chl-act to 596m 590-591 trace diss py. 593-596m trace ccp blebs, po-py blebs and disseminated pyrite and one local pyrite veinlet.	A0146571	ASSAY	TB19151008	589.65	591.00	1.35	0.046	0.007	0.002	0.009	0.022	0.003
			A0146572	ASSAY	TB19151008	591.00	592.00	1.00	0.175	0.030	0.004	0.003	0.017	0.002
			A0146573	ASSAY	TB19151008	592.00	593.00	1.00	0.713	0.099	0.032	0.032	0.032	0.004
			A0146574	ASSAY	TB19151008	593.00	594.00	1.00	1.480	0.151	0.059	0.041	0.063	0.006
			A0146575	ASSAY	TB19151008	594.00	595.00	1.00	0.312	0.034	0.015	0.023	0.028	0.005
			A0146576	ASSAY	TB19151008	595.00	596.00	1.00	0.278	0.024	0.019	0.023	0.026	0.004

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	355.46	-70.25	GYRORFLX	O	
5.00	355.57	-70.22	GYRORFLX	O	
10.00	355.56	-70.24	GYRORFLX	O	
15.00	355.56	-70.26	GYRORFLX	O	
20.00	355.60	-70.29	GYRORFLX	O	
25.00	355.70	-70.29	GYRORFLX	O	
30.00	355.77	-70.29	GYRORFLX	O	
35.00	355.73	-70.35	GYRORFLX	O	
40.00	355.78	-70.37	GYRORFLX	O	
45.00	355.83	-70.36	GYRORFLX	O	
50.00	355.88	-70.42	GYRORFLX	O	
55.00	355.87	-70.37	GYRORFLX	O	
60.00	355.74	-70.41	GYRORFLX	O	
65.00	355.72	-70.44	GYRORFLX	O	
70.00	355.66	-70.41	GYRORFLX	O	
75.00	355.44	-70.36	GYRORFLX	O	
80.00	355.62	-70.41	GYRORFLX	O	
85.00	355.61	-70.44	GYRORFLX	O	
90.00	355.77	-70.42	GYRORFLX	O	
95.00	355.83	-70.48	GYRORFLX	O	
100.00	355.85	-70.49	GYRORFLX	O	
105.00	355.97	-70.51	GYRORFLX	O	
110.00	356.00	-70.52	GYRORFLX	O	
115.00	356.07	-70.59	GYRORFLX	O	
120.00	356.26	-70.58	GYRORFLX	O	
125.00	356.23	-70.64	GYRORFLX	O	
130.00	356.34	-70.67	GYRORFLX	O	
135.00	356.54	-70.72	GYRORFLX	O	
140.00	356.66	-70.75	GYRORFLX	O	
145.00	356.54	-70.78	GYRORFLX	O	
150.00	356.64	-70.77	GYRORFLX	O	
155.00	356.74	-70.76	GYRORFLX	O	
160.00	356.80	-70.73	GYRORFLX	O	
165.00	356.79	-70.75	GYRORFLX	O	
170.00	356.85	-70.75	GYRORFLX	O	
175.00	357.06	-70.77	GYRORFLX	O	
180.00	356.86	-70.77	GYRORFLX	O	

185.00	356.78	-70.84	GYRORFLX	O
190.00	356.59	-70.91	GYRORFLX	O
195.00	356.58	-70.93	GYRORFLX	O
200.00	356.58	-70.93	GYRORFLX	O
205.00	356.70	-70.95	GYRORFLX	O
210.00	356.64	-70.98	GYRORFLX	O
215.00	356.72	-70.98	GYRORFLX	O
220.00	356.93	-71.00	GYRORFLX	O
225.00	356.91	-71.04	GYRORFLX	O
230.00	356.86	-71.07	GYRORFLX	O
235.00	357.09	-71.08	GYRORFLX	O
240.00	356.99	-71.13	GYRORFLX	O
245.00	357.00	-71.17	GYRORFLX	O
250.00	357.27	-71.20	GYRORFLX	O
255.00	357.34	-71.24	GYRORFLX	O
260.00	357.37	-71.31	GYRORFLX	O
265.00	357.20	-71.26	GYRORFLX	O
270.00	357.36	-71.29	GYRORFLX	O
275.00	357.38	-71.30	GYRORFLX	O
280.00	357.47	-71.32	GYRORFLX	O
285.00	357.45	-71.33	GYRORFLX	O
290.00	357.49	-71.20	GYRORFLX	O
295.00	357.47	-71.22	GYRORFLX	O
300.00	357.25	-71.22	GYRORFLX	O
305.00	356.90	-71.33	GYRORFLX	O
310.00	356.90	-71.40	GYRORFLX	O
315.00	356.80	-71.37	GYRORFLX	O
320.00	356.79	-71.32	GYRORFLX	O
325.00	356.51	-71.24	GYRORFLX	O
330.00	356.69	-71.22	GYRORFLX	O
335.00	356.66	-71.38	GYRORFLX	O
340.00	356.69	-71.47	GYRORFLX	O
345.00	356.64	-71.48	GYRORFLX	O
350.00	356.57	-71.48	GYRORFLX	O
355.00	356.74	-71.46	GYRORFLX	O
360.00	356.77	-71.47	GYRORFLX	O
365.00	356.86	-71.47	GYRORFLX	O
370.00	356.72	-71.45	GYRORFLX	O
375.00	356.80	-71.44	GYRORFLX	O
380.00	356.73	-71.48	GYRORFLX	O

385.00	356.77	-71.48	GYRORFLX	O
390.00	356.69	-71.51	GYRORFLX	O
395.00	356.79	-71.50	GYRORFLX	O
400.00	356.83	-71.52	GYRORFLX	O
405.00	356.62	-71.51	GYRORFLX	O
410.00	356.74	-71.54	GYRORFLX	O
415.00	356.98	-71.51	GYRORFLX	O
420.00	356.93	-71.48	GYRORFLX	O
425.00	356.83	-71.51	GYRORFLX	O
430.00	356.87	-71.51	GYRORFLX	O
435.00	356.78	-71.47	GYRORFLX	O
440.00	356.76	-71.47	GYRORFLX	O
445.00	356.68	-71.52	GYRORFLX	O
450.00	356.69	-71.53	GYRORFLX	O
455.00	356.58	-71.52	GYRORFLX	O
460.00	356.61	-71.50	GYRORFLX	O
465.00	356.68	-71.47	GYRORFLX	O
470.00	356.45	-71.49	GYRORFLX	O
475.00	356.66	-71.46	GYRORFLX	O
480.00	356.69	-71.36	GYRORFLX	O
485.00	356.62	-71.39	GYRORFLX	O
490.00	356.69	-71.52	GYRORFLX	O
495.00	356.46	-71.53	GYRORFLX	O
500.00	356.36	-71.51	GYRORFLX	O
505.00	356.26	-71.54	GYRORFLX	O
510.00	356.30	-71.60	GYRORFLX	O
515.00	356.27	-71.62	GYRORFLX	O
520.00	356.30	-71.62	GYRORFLX	O
525.00	356.15	-71.62	GYRORFLX	O
530.00	356.22	-71.63	GYRORFLX	O
535.00	356.23	-71.51	GYRORFLX	O
540.00	356.50	-71.49	GYRORFLX	O
545.00	356.57	-71.52	GYRORFLX	O
550.00	356.38	-71.60	GYRORFLX	O
555.00	356.25	-71.66	GYRORFLX	O
560.00	356.01	-71.68	GYRORFLX	O
565.00	356.12	-71.73	GYRORFLX	O
570.00	356.03	-71.72	GYRORFLX	O

Detailed Log Report
Hole Number 18-603

Project Name:	LDI - Mine	**Primary Coordinates Grid:**	MINE:	**Hole Status:**	Completed
Project Code:	LDI MINE	**North:**	31,533.74	**Length:**	575.00
Location:		**East:**	31,946.25	**Hole Size:**	NQ
Start Date:	Nov 29, 2018	**Elev:**	514.83	**Hole Type:**	DDH
Completed Date:	Dec 05, 2018	**Collar Dip:**	-68.96	**Casing:**	Yes
Contractor:	Major Drilling	**Collar Az:**	320.79	**Cemented:**	Yes
Core Storage:	Lac des Iles Minesite-cross piles	**Destination Coordinates Grid:**	UTM83-16	**Collar Survey:**	N
Units:	METRIC	**North:**	5,449,136.75	**Plugged:**	N
Start Log:	Apr 08, 2019	**East:**	309,300.23	**Multishot Survey:**	N
End Log:	Apr 13, 2019	**Elev:**	514.83	**Pulse EM Survey:**	N
Logged By 1:	Brigitte Gelinas	**Claim:**	252	**EOH:**	575.00
				Artesian Cond:	No
				Abandon Reason:	

Detailed Lithology

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
0.00	1.70	**OB**												
1.70	20.44	**DIKE-Mafic**												

1.7 - 20.44m / Diabase
Dark gray, fine-grained, massive, moderately magnetic diabase dike.
Alteration is nil. Upper contact is rubbly and lower contact is foliated defined by aligned bt. Lower contact is sharp with GAB VT.

From	To	Lithology
20.44	65.44	**GAB-Vt**

20.44 - 65.44m / Varitexture Gabbro
White/green, medium- to coarse-grained, non-magnetic, VT GAB.
40% plag, 40-60% altered pyroxene
Strong to moderate pervasive chl-act alt, strong in vicinity of upper contact with diabase and cross-cutting dikes. Foliation increases approching cross-cutting dikes.
Fine-grained disseminated Py-Po-Ccp from trace to 0.5%, patchy. Mag around 0.5 kappa.
Sharp upper and lower ctct.
Unit is cut by local felsic and mafic dikes.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0147531	ASSAY	TB19101547	37.00	38.00	1.00	0.005	0.003	0.002	0.008	0.038	0.006
A0147532	ASSAY	TB19101547	38.00	39.00	1.00	0.050	0.005	0.004	0.010	0.039	0.005
A0147533	ASSAY	TB19101547	39.00	40.00	1.00	0.048	0.006	0.006	0.013	0.038	0.005
A0147534	ASSAY	TB19101547	40.00	41.00	1.00	0.160	0.006	0.008	0.023	0.051	0.006
A0147535	ASSAY	TB19101547	41.00	42.00	1.00	0.001	0.003	0.001	0.007	0.037	0.005
A0147536	ASSAY	TB19101547	42.00	43.00	1.00	0.501	0.046	0.013	0.022	0.077	0.007
A0147538	ASSAY	TB19101547	43.00	44.00	1.00	0.211	0.028	0.015	0.029	0.046	0.006
A0147539	ASSAY	TB19101547	44.00	45.00	1.00	0.139	0.012	0.011	0.018	0.043	0.005
A0147540	ASSAY	TB19101547	45.00	46.00	1.00	0.006	0.003	0.003	0.010	0.037	0.005
A0147541	ASSAY	TB19101547	46.00	47.00	1.00	0.038	0.003	0.011	0.025	0.031	0.004
A0147542	ASSAY	TB19101547	47.00	48.00	1.00	0.020	0.003	0.008	0.020	0.046	0.006
A0147543	ASSAY	TB19101547	48.00	49.00	1.00	0.011	0.003	0.004	0.010	0.038	0.005
A0147544	ASSAY	TB19101547	49.00	50.00	1.00	0.120	0.013	0.003	0.005	0.046	0.005
A0147545	ASSAY	TB19101547	50.00	51.00	1.00	0.006	0.003	0.002	0.008	0.025	0.004
A0147546	ASSAY	TB19101547	51.00	52.00	1.00	0.019	0.005	0.001	0.001	0.037	0.004
A0147547	ASSAY	TB19101547	52.00	53.00	1.00	0.006	0.003	0.005	0.015	0.039	0.005
A0147548	ASSAY	TB19101547	53.00	54.00	1.00	0.001	0.003	0.002	0.009	0.038	0.005
A0147549	ASSAY	TB19101547	54.00	55.00	1.00	0.011	0.003	0.003	0.007	0.038	0.005
A0147550	ASSAY	TB19101547	55.00	56.00	1.00	0.054	0.003	0.005	0.010	0.038	0.005
A0147551	ASSAY	TB19101547	56.00	57.00	1.00	0.319	0.044	0.029	0.061	0.056	0.005
A0147552	ASSAY	TB19101547	57.00	58.00	1.00	0.349	0.033	0.036	0.035	0.073	0.007
A0147553	ASSAY	TB19101547	58.00	59.00	1.00	0.070	0.007	0.020	0.019	0.034	0.006
A0147554	ASSAY	TB19101547	59.00	60.00	1.00	0.001	0.003	0.001	0.007	0.045	0.007
A0147555	ASSAY	TB19101547	60.00	61.00	1.00	0.058	0.006	0.008	0.025	0.051	0.007
A0147556	ASSAY	TB19101547	61.00	62.00	1.00	0.021	0.003	0.010	0.030	0.061	0.007
A0147558	ASSAY	TB19101547	62.00	63.00	1.00	0.023	0.003	0.006	0.016	0.056	0.007
A0147559	ASSAY	TB19101547	63.00	64.00	1.00	0.053	0.007	0.007	0.020	0.063	0.007
A0147560	ASSAY	TB19101547	64.00	64.70	0.70	0.037	0.003	0.007	0.018	0.045	0.005
A0147561	ASSAY	TB19101547	64.70	65.44	0.74	0.041	0.005	0.005	0.013	0.053	0.006

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
65.44	67.13	**DIKE-Mafic**	A0147562	ASSAY	TB19101547	65.44	66.32	0.88	0.001	0.003	0.003	0.014	0.007	0.004
			A0147563	ASSAY	TB19101547	66.32	67.13	0.81	0.001	0.003	0.001	0.008	0.004	0.003

65.44 - 67.13m / Mafic dike
Dark gray, fine-grained, massive, magnetic mafic dike.
Common fractures filled with chl-act, qtz-carb and like Na-alt.
Local chl-act fracture-filled/vein hosting pyrite.
Fractured lower contact with GAB VT.

From	To	Lithology
67.13	105.71	**GAB-Vt**

67.13 - 105.71m / Varitexture gabbro
White/green, medium- to coarse-grained, non-magnetic, VT GAB.
40% plag, 40-60% altered pyroxene
Strong to moderate pervasive chl-act alt, strong in vicinity of upper contact with cross-cutting dikes.
Fine-grained disseminated Py-Po-Ccp from trace to 1%, patchy. 0.5-1% Po-Ccp disseminated to fg-mg blebs from 88.71-94.52m. Mag around 0.5 kappa.
Sharp upper ctct. Lower contact is unclear between VT GAB and VT GAB BX.
Unit is cut by local felsic and mafic dikes.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0147564	ASSAY	TB19101547	67.13	68.00	0.87	0.001	0.003	0.001	0.009	0.043	0.007
A0147565	ASSAY	TB19101547	68.00	69.00	1.00	0.001	0.003	0.001	0.009	0.034	0.006
A0147566	ASSAY	TB19101547	69.00	70.00	1.00	0.002	0.003	0.010	0.027	0.057	0.007
A0147567	ASSAY	TB19101547	70.00	71.00	1.00	0.002	0.003	0.006	0.027	0.058	0.008
A0147568	ASSAY	TB19101547	71.00	72.00	1.00	0.062	0.007	0.005	0.025	0.060	0.007
A0147569	ASSAY	TB19101547	72.00	73.00	1.00	0.002	0.003	0.004	0.025	0.054	0.008
A0147570	ASSAY	TB19101547	73.00	74.00	1.00	0.003	0.003	0.007	0.026	0.058	0.007
A0147571	ASSAY	TB19101547	74.00	75.00	1.00	0.002	0.003	0.005	0.022	0.057	0.007
A0147572	ASSAY	TB19101547	75.00	76.00	1.00	0.104	0.012	0.013	0.029	0.068	0.007
A0147573	ASSAY	TB19101547	76.00	77.00	1.00	0.176	0.020	0.041	0.074	0.103	0.009
A0147577	ASSAY	TB19101554	77.00	78.00	1.00	0.003	0.003	0.004	0.018	0.054	0.007
A0147578	ASSAY	TB19101554	78.00	79.00	1.00	0.169	0.021	0.014	0.029	0.062	0.007
A0147579	ASSAY	TB19101554	79.00	80.00	1.00	0.010	0.003	0.002	0.010	0.044	0.007
A0147580	ASSAY	TB19101554	80.00	81.00	1.00	0.009	0.003	0.008	0.017	0.055	0.006
A0147581	ASSAY	TB19101554	81.00	82.00	1.00	0.035	0.003	0.002	0.008	0.031	0.005
A0147582	ASSAY	TB19101554	82.00	83.00	1.00	0.048	0.010	0.002	0.009	0.032	0.005
A0147583	ASSAY	TB19101554	83.00	84.00	1.00	0.002	0.003	0.005	0.026	0.037	0.006
A0147584	ASSAY	TB19101554	84.00	85.00	1.00	0.001	0.003	0.001	0.009	0.028	0.005
A0147585	ASSAY	TB19101554	85.00	86.00	1.00	0.001	0.003	0.006	0.015	0.028	0.005
A0147586	ASSAY	TB19101554	86.00	87.00	1.00	0.003	0.003	0.007	0.021	0.034	0.005
A0147587	ASSAY	TB19101554	87.00	88.00	1.00	0.030	0.003	0.005	0.013	0.027	0.005
A0147588	ASSAY	TB19101554	88.00	89.00	1.00	0.076	0.008	0.010	0.023	0.044	0.006
A0147589	ASSAY	TB19101554	89.00	90.00	1.00	0.011	0.003	0.020	0.041	0.056	0.007
A0147590	ASSAY	TB19101554	90.00	91.00	1.00	0.097	0.012	0.017	0.042	0.071	0.007
A0147591	ASSAY	TB19101554	91.00	92.00	1.00	0.020	0.007	0.028	0.065	0.083	0.007
A0147592	ASSAY	TB19101554	92.00	93.00	1.00	0.100	0.016	0.030	0.066	0.089	0.007
A0147593	ASSAY	TB19101554	93.00	94.00	1.00	0.084	0.019	0.051	0.108	0.131	0.006
A0147594	ASSAY	TB19101554	94.00	95.00	1.00	0.064	0.007	0.017	0.046	0.071	0.006
A0147596	ASSAY	TB19101554	95.00	96.00	1.00	0.002	0.003	0.003	0.014	0.041	0.006
A0147597	ASSAY	TB19101554	96.00	97.00	1.00	0.002	0.003	0.001	0.009	0.043	0.008
A0147598	ASSAY	TB19101554	97.00	98.00	1.00	0.023	0.003	0.002	0.009	0.036	0.006

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			A0147599	ASSAY	TB19101554	98.00	99.00	1.00	0.016	0.003	0.004	0.013	0.034	0.006
			A0147600	ASSAY	TB19101554	99.00	100.00	1.00	0.034	0.003	0.010	0.021	0.039	0.007
			A0147601	ASSAY	TB19101554	100.00	101.00	1.00	0.006	0.003	0.003	0.012	0.038	0.006
			A0147602	ASSAY	TB19101554	101.00	102.00	1.00	0.031	0.003	0.003	0.012	0.040	0.006
			A0147603	ASSAY	TB19101554	102.00	103.00	1.00	0.004	0.003	0.001	0.009	0.034	0.006
			A0147604	ASSAY	TB19101554	103.00	104.00	1.00	0.003	0.003	0.009	0.037	0.059	0.006
			A0147605	ASSAY	TB19101554	104.00	105.00	1.00	0.004	0.003	0.008	0.041	0.059	0.006
			A0147606	ASSAY	TB19101554	105.00	105.73	0.73	0.001	0.003	0.005	0.028	0.044	0.006

From	To	Lithology
105.71	214.64	**GAB-VBx**

105.71 - 214.64m / Varitexture Gabbro Breccia
Green to greenish brown, clasts-rich, gabbro/norite breccia.
Clasts up to 75% of unit. Clasts are commonly mg-cg gabbro (85%) with local zones rich in norite clasts from 156.4-161.63m and 167.26-181.06m (15%).
Clasts boundaries are typically sharp to diffused.
Groundmass is fine-grained.
Unit is typically massive, with local minor shear zones. Common regular fractures filled by ser+Na alt(?).
Gabbro is non-magnetic (0.5 kappa) and norite mag ranges from 3-50kappa.
Alteration is moderate pervasive chl-act throughout.
Local gabbro clasts show moderate Na and epidote alt on feldspar.
Mineralization generally consists of patchy trace to disseminated 0.5% Py-Po-Ccp, with rare 1-2% mg-cg blebs of Po-Ccp at 168.1-168.2m and 204.36-204.87m. Local patches of semi-net to net texture pyrrhotite at 173.9-174.1m.
Gradational/diffused upper and lower contact.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0147607	ASSAY	TB19101554	105.73	107.00	1.27	0.041	0.003	0.002	0.018	0.037	0.007
A0147608	ASSAY	TB19101554	107.00	108.00	1.00	0.003	0.003	0.003	0.020	0.034	0.006
A0147609	ASSAY	TB19101554	108.00	109.00	1.00	0.029	0.003	0.003	0.019	0.045	0.007
A0147610	ASSAY	TB19101554	109.00	110.00	1.00	0.007	0.003	0.005	0.015	0.026	0.004
A0147611	ASSAY	TB19101554	110.00	111.00	1.00	0.050	0.008	0.011	0.031	0.041	0.006
A0147612	ASSAY	TB19101554	111.00	112.00	1.00	0.056	0.007	0.016	0.039	0.034	0.005
A0147613	ASSAY	TB19101554	112.00	113.00	1.00	0.015	0.003	0.012	0.045	0.045	0.005
A0147614	ASSAY	TB19101554	113.00	114.00	1.00	0.090	0.006	0.007	0.023	0.033	0.004
A0147616	ASSAY	TB19101554	114.00	115.00	1.00	0.009	0.003	0.007	0.021	0.037	0.005
A0147617	ASSAY	TB19101554	115.00	116.00	1.00	0.070	0.006	0.009	0.034	0.046	0.007
A0147618	ASSAY	TB19101554	116.00	117.00	1.00	0.003	0.003	0.007	0.043	0.053	0.007
A0147619	ASSAY	TB19101554	117.00	118.00	1.00	0.002	0.003	0.002	0.015	0.042	0.007
A0147620	ASSAY	TB19101554	118.00	119.00	1.00	0.001	0.003	0.002	0.014	0.042	0.007
A0147621	ASSAY	TB19101554	119.00	120.00	1.00	0.097	0.011	0.007	0.024	0.043	0.006
A0147622	ASSAY	TB19101554	120.00	121.00	1.00	0.006	0.003	0.001	0.006	0.038	0.007
A0147623	ASSAY	TB19101554	121.00	122.00	1.00	0.034	0.003	0.001	0.007	0.028	0.005
A0147624	ASSAY	TB19101554	122.00	123.00	1.00	0.001	0.003	0.003	0.013	0.027	0.005
A0147625	ASSAY	TB19101554	123.00	124.00	1.00	0.002	0.003	0.004	0.021	0.040	0.007
A0147626	ASSAY	TB19101554	124.00	125.00	1.00	0.038	0.003	0.015	0.018	0.043	0.008
A0147627	ASSAY	TB19101554	125.00	126.00	1.00	0.010	0.003	0.002	0.014	0.038	0.007
A0147628	ASSAY	TB19101554	126.00	127.00	1.00	0.034	0.003	0.009	0.027	0.041	0.006
A0147629	ASSAY	TB19101554	127.00	128.00	1.00	0.051	0.003	0.023	0.041	0.058	0.008
A0147630	ASSAY	TB19101554	128.00	129.00	1.00	0.026	0.003	0.014	0.040	0.062	0.009
A0147631	ASSAY	TB19101554	129.00	130.00	1.00	0.002	0.003	0.005	0.018	0.036	0.007
A0147632	ASSAY	TB19101554	130.00	131.00	1.00	0.002	0.003	0.010	0.018	0.023	0.005
A0147633	ASSAY	TB19101554	131.00	132.00	1.00	0.003	0.003	0.004	0.006	0.032	0.005
A0147634	ASSAY	TB19101554	132.00	133.00	1.00	0.034	0.003	0.015	0.035	0.048	0.007
A0147636	ASSAY	TB19101554	133.00	134.00	1.00	0.052	0.007	0.021	0.056	0.067	0.008
A0147637	ASSAY	TB19101554	134.00	135.00	1.00	0.028	0.003	0.015	0.040	0.061	0.008
A0147638	ASSAY	TB19101554	135.00	136.00	1.00	0.009	0.003	0.008	0.030	0.055	0.007
A0147639	ASSAY	TB19101554	136.00	137.00	1.00	0.007	0.003	0.008	0.036	0.061	0.008

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			A0147640	ASSAY	TB19101554	137.00	138.00	1.00	0.006	0.003	0.015	0.036	0.051	0.007
			A0147641	ASSAY	TB19101554	138.00	139.00	1.00	0.017	0.003	0.015	0.027	0.030	0.005
			A0147642	ASSAY	TB19101554	139.00	140.00	1.00	0.004	0.003	0.016	0.028	0.024	0.005
			A0147643	ASSAY	TB19101554	140.00	141.00	1.00	0.002	0.003	0.005	0.013	0.026	0.005
			A0147644	ASSAY	TB19101554	141.00	142.00	1.00	0.009	0.003	0.005	0.015	0.032	0.008
			A0147645	ASSAY	TB19101554	142.00	143.00	1.00	0.143	0.014	0.016	0.028	0.038	0.007
			A0147646	ASSAY	TB19101554	143.00	144.00	1.00	0.036	0.005	0.017	0.036	0.042	0.008
			A0147647	ASSAY	TB19101554	144.00	145.00	1.00	0.004	0.003	0.005	0.016	0.031	0.007
			A0147648	ASSAY	TB19101554	145.00	146.00	1.00	0.010	0.003	0.017	0.068	0.086	0.009
			A0147649	ASSAY	TB19101554	146.00	147.00	1.00	0.024	0.003	0.010	0.053	0.060	0.006
			A0147650	ASSAY	TB19101554	147.00	148.00	1.00	0.003	0.003	0.004	0.031	0.037	0.005
			A0147651	ASSAY	TB19101554	148.00	149.00	1.00	0.002	0.003	0.001	0.013	0.023	0.005
			A0147655	ASSAY	TB19104848	149.00	150.00	1.00	0.060	0.010	0.001	0.018	0.037	0.006
			A0147656	ASSAY	TB19104848	150.00	151.00	1.00	0.009	0.003	0.005	0.032	0.046	0.006
			A0147657	ASSAY	TB19104848	151.00	152.00	1.00	0.010	0.003	0.006	0.032	0.040	0.006
			A0147658	ASSAY	TB19104848	152.00	153.00	1.00	0.001	0.003	0.001	0.013	0.023	0.005
			A0147659	ASSAY	TB19104848	153.00	154.00	1.00	0.008	0.003	0.001	0.009	0.019	0.004
			A0147660	ASSAY	TB19104848	154.00	155.00	1.00	0.021	0.006	0.001	0.012	0.024	0.005
			A0147661	ASSAY	TB19104848	155.00	156.00	1.00	0.012	0.003	0.002	0.015	0.029	0.006
			A0147662	ASSAY	TB19104848	156.00	157.00	1.00	0.008	0.003	0.001	0.014	0.035	0.006
			A0147663	ASSAY	TB19104848	157.00	158.00	1.00	0.005	0.003	0.002	0.017	0.041	0.008
			A0147664	ASSAY	TB19104848	158.00	159.00	1.00	0.110	0.015	0.011	0.042	0.065	0.010
			A0147665	ASSAY	TB19104848	159.00	160.00	1.00	0.007	0.005	0.008	0.052	0.074	0.010
			A0147666	ASSAY	TB19104848	160.00	161.00	1.00	0.016	0.005	0.006	0.052	0.071	0.009
			A0147667	ASSAY	TB19104848	161.00	162.00	1.00	0.012	0.006	0.009	0.044	0.059	0.008
			A0147668	ASSAY	TB19104848	162.00	163.00	1.00	0.009	0.006	0.014	0.048	0.064	0.008
			A0147669	ASSAY	TB19104848	163.00	164.00	1.00	0.033	0.006	0.009	0.023	0.043	0.006
			A0147670	ASSAY	TB19104848	164.00	165.00	1.00	0.542	0.056	0.075	0.087	0.050	0.007
			A0147671	ASSAY	TB19104848	165.00	166.00	1.00	0.006	0.003	0.002	0.013	0.031	0.005
			A0147672	ASSAY	TB19104848	166.00	167.00	1.00	0.174	0.046	0.031	0.021	0.034	0.005
			A0147674	ASSAY	TB19104848	167.00	168.00	1.00	0.009	0.003	0.008	0.026	0.043	0.007
			A0147675	ASSAY	TB19104848	168.00	169.00	1.00	0.009	0.006	0.004	0.035	0.048	0.009

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			A0147676	ASSAY	TB19104848	169.00	170.00	1.00	0.019	0.003	0.009	0.032	0.037	0.007
			A0147677	ASSAY	TB19104848	170.00	171.00	1.00	0.387	0.054	0.059	0.044	0.048	0.008
			A0147678	ASSAY	TB19104848	171.00	172.00	1.00	0.015	0.003	0.002	0.014	0.031	0.006
			A0147679	ASSAY	TB19104848	172.00	173.00	1.00	0.118	0.009	0.023	0.026	0.034	0.006
			A0147680	ASSAY	TB19104848	173.00	174.00	1.00	0.016	0.019	0.009	0.025	0.032	0.005
			A0147681	ASSAY	TB19104848	174.00	175.00	1.00	0.087	0.205	0.026	0.100	0.066	0.009
			A0147682	ASSAY	TB19104848	175.00	176.00	1.00	0.068	0.003	0.011	0.022	0.039	0.006
			A0147683	ASSAY	TB19104848	176.00	177.00	1.00	0.148	0.005	0.014	0.018	0.036	0.006
			A0147684	ASSAY	TB19104848	177.00	178.00	1.00	0.369	0.028	0.041	0.034	0.041	0.007
			A0147685	ASSAY	TB19104848	178.00	179.00	1.00	0.001	0.003	0.001	0.008	0.025	0.005
			A0147686	ASSAY	TB19104848	179.00	180.00	1.00	0.020	0.003	0.004	0.011	0.026	0.005
			A0147687	ASSAY	TB19104848	180.00	181.00	1.00	0.018	0.003	0.004	0.014	0.031	0.006
			A0147688	ASSAY	TB19104848	181.00	182.00	1.00	0.205	0.006	0.008	0.018	0.041	0.007
			A0147689	ASSAY	TB19104848	182.00	183.00	1.00	0.019	0.003	0.003	0.013	0.036	0.006
			A0147690	ASSAY	TB19104848	183.00	184.00	1.00	0.147	0.016	0.008	0.026	0.042	0.007
			A0147691	ASSAY	TB19104848	184.00	185.00	1.00	0.088	0.016	0.017	0.023	0.025	0.005
			A0147692	ASSAY	TB19104848	185.00	186.00	1.00	0.012	0.003	0.003	0.011	0.036	0.006
			A0147694	ASSAY	TB19104848	186.00	187.00	1.00	0.041	0.003	0.002	0.011	0.038	0.006
			A0147695	ASSAY	TB19104848	187.00	188.00	1.00	0.001	0.003	0.001	0.009	0.035	0.006
			A0147696	ASSAY	TB19104848	188.00	189.00	1.00	0.004	0.003	0.012	0.029	0.043	0.007
			A0147697	ASSAY	TB19104848	189.00	190.00	1.00	0.023	0.003	0.004	0.015	0.029	0.005
			A0147698	ASSAY	TB19104848	190.00	191.00	1.00	0.013	0.003	0.001	0.004	0.020	0.003
			A0147699	ASSAY	TB19104848	191.00	192.00	1.00	0.268	0.017	0.021	0.043	0.032	0.004
			A0147700	ASSAY	TB19104848	192.00	193.00	1.00	0.060	0.005	0.020	0.040	0.030	0.005
			A0147701	ASSAY	TB19104848	193.00	194.00	1.00	0.254	0.016	0.018	0.025	0.029	0.005
			A0147702	ASSAY	TB19104848	194.00	195.00	1.00	0.010	0.003	0.003	0.024	0.032	0.006
			A0147703	ASSAY	TB19104848	195.00	196.00	1.00	0.111	0.019	0.011	0.017	0.019	0.005
			A0147704	ASSAY	TB19104848	196.00	197.00	1.00	0.056	0.005	0.009	0.018	0.021	0.005
			A0147705	ASSAY	TB19104848	197.00	198.00	1.00	0.027	0.003	0.003	0.017	0.029	0.006
			A0147706	ASSAY	TB19104848	198.00	199.00	1.00	0.005	0.003	0.001	0.006	0.023	0.005
			A0147707	ASSAY	TB19104848	199.00	200.00	1.00	0.175	0.011	0.003	0.010	0.029	0.005
			A0147708	ASSAY	TB19104848	200.00	201.00	1.00	0.003	0.003	0.001	0.005	0.024	0.004

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			A0147709	ASSAY	TB19104848	201.00	202.00	1.00	0.171	0.015	0.015	0.030	0.049	0.007
			A0147710	ASSAY	TB19104848	202.00	203.00	1.00	0.191	0.022	0.012	0.031	0.045	0.007
			A0147711	ASSAY	TB19104848	203.00	204.00	1.00	0.238	0.022	0.028	0.037	0.044	0.006
			A0147712	ASSAY	TB19104848	204.00	205.00	1.00	1.060	0.145	0.205	0.155	0.079	0.007
			A0147714	ASSAY	TB19104848	205.00	206.00	1.00	0.052	0.003	0.004	0.013	0.029	0.004
			A0147715	ASSAY	TB19104848	206.00	207.00	1.00	0.020	0.003	0.006	0.028	0.044	0.006
			A0147716	ASSAY	TB19104848	207.00	208.00	1.00	0.144	0.018	0.002	0.009	0.031	0.004
			A0147717	ASSAY	TB19104848	208.00	209.00	1.00	0.176	0.014	0.006	0.015	0.026	0.004
			A0147718	ASSAY	TB19104848	209.00	210.00	1.00	0.129	0.011	0.003	0.011	0.026	0.004
			A0147719	ASSAY	TB19104848	210.00	211.00	1.00	0.328	0.033	0.005	0.011	0.031	0.004
			A0147720	ASSAY	TB19104848	211.00	212.00	1.00	0.158	0.009	0.027	0.015	0.041	0.005
			A0147721	ASSAY	TB19104848	212.00	213.00	1.00	0.175	0.011	0.003	0.008	0.032	0.005
			A0147722	ASSAY	TB19104848	213.00	214.00	1.00	0.028	0.003	0.008	0.017	0.041	0.006
			A0147723	ASSAY	TB19104848	214.00	214.64	0.64	0.011	0.003	0.003	0.010	0.027	0.004
214.64	226.08	**GAB** 214.64 - 226.08m / Gabbro Green, medium-grained, equigranular, massive gabbro. 30-40% plag, 60-70% altered pyroxene. moderate pervasive chl-act alt. Trace Py-Po-Ccp to nil min. Chl-rich shear at 225m. Diffused gradational ctct with upper VT GAB BX and sharp ctct with lower felsic dike.	A0147724	ASSAY	TB19104848	214.64	215.34	0.70	0.010	0.003	0.001	0.014	0.039	0.006
			A0147725	ASSAY	TB19104848	215.34	216.00	0.66	0.007	0.003	0.024	0.101	0.110	0.007
			A0147726	ASSAY	TB19104848	216.00	217.00	1.00	0.009	0.003	0.001	0.009	0.043	0.006
			A0147727	ASSAY	TB19104848	217.00	218.00	1.00	0.046	0.003	0.003	0.010	0.036	0.005
			A0147728	ASSAY	TB19104848	218.00	219.00	1.00	0.002	0.003	0.001	0.006	0.031	0.004
			A0147729	ASSAY	TB19104848	219.00	220.00	1.00	0.001	0.003	0.001	0.009	0.029	0.004
			A0147733	ASSAY	TB19104850	220.00	221.00	1.00	0.042	0.003	0.007	0.009	0.035	0.005
			A0147734	ASSAY	TB19104850	221.00	222.00	1.00	0.014	0.003	0.002	0.008	0.035	0.005
			A0147735	ASSAY	TB19104850	222.00	223.00	1.00	0.001	0.003	0.001	0.005	0.031	0.005
			A0147736	ASSAY	TB19104850	223.00	224.00	1.00	0.041	0.003	0.001	0.004	0.035	0.005
			A0147737	ASSAY	TB19104850	224.00	225.00	1.00	0.057	0.003	0.001	0.002	0.034	0.005
			A0147738	ASSAY	TB19104850	225.00	226.06	1.06	0.007	0.003	0.001	0.005	0.032	0.005
			A0147739	ASSAY	TB19104850	226.06	227.00	0.94	0.001	0.003	0.001	0.002	0.003	0.001

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
226.08	227.90	**DIKE-Felsic**	A0147740	ASSAY	TB19104850	227.00	227.90	0.90	0.001	0.003	0.001	0.003	0.004	0.001

226.08 - 227.90m / Felsic dike
Light gray to brown, fine-grained to aphanitic,
massive felsic dike.
90% Plag+qtz.
Qtz-carb stringers running throughout.
Rare Py-stringers.
Sharp upper and lower ctct.

From	To	Lithology
227.90	270.64	**GAB-Vt**

227.90 - 270.64m / Varitexture gabbro
Green, medium- to coarse-grained, massive varitexture gabbro.
30-40% plag, 60-70% altered pyroxene.
mg-cg from 227-255m, fg-mg from 255-270m
Moderate pervasive chl-act alt to 251.5 where alt becomes strong.
Mineralization ranges from trace to 1% Po-Py-Ccp.
From 229.6-234.3m Po-Py-Ccp min ranges from 0.5-1% as disseminated patches, local veinlets. Min picks up again at 251.6-255.2m at 0.5-1% Po-Py-Ccp disseminated patches, rare blebs.
Upper contact is sharp with felsic dike, lower contact sees an increase in tonalite xenoliths, with a distinct but diffused contact with leucogabbro.
Short fault zone from 250.26-251.1m.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0147741	ASSAY	TB19104850	227.90	229.00	1.10	0.001	0.003	0.001	0.005	0.029	0.005
A0147742	ASSAY	TB19104850	229.00	230.00	1.00	0.087	0.003	0.077	0.079	0.033	0.006
A0147743	ASSAY	TB19104850	230.00	231.00	1.00	0.007	0.003	0.006	0.029	0.022	0.007
A0147744	ASSAY	TB19104850	231.00	232.00	1.00	0.569	0.047	0.035	0.069	0.063	0.008
A0147745	ASSAY	TB19104850	232.00	233.00	1.00	0.719	0.061	0.086	0.074	0.048	0.006
A0147746	ASSAY	TB19104850	233.00	234.00	1.00	0.458	0.073	0.044	0.039	0.041	0.006
A0147747	ASSAY	TB19104850	234.00	235.00	1.00	0.453	0.028	0.016	0.022	0.035	0.005
A0147748	ASSAY	TB19104850	235.00	236.00	1.00	0.510	0.054	0.096	0.049	0.037	0.006
A0147749	ASSAY	TB19104850	236.00	237.00	1.00	0.897	0.092	0.055	0.059	0.053	0.006
A0147750	ASSAY	TB19104850	237.00	238.00	1.00	0.153	0.014	0.025	0.024	0.025	0.005
A0147752	ASSAY	TB19104850	238.00	239.00	1.00	0.108	0.021	0.018	0.025	0.027	0.005
A0147753	ASSAY	TB19104850	239.00	240.00	1.00	0.722	0.090	0.051	0.066	0.051	0.006
A0147754	ASSAY	TB19104850	240.00	241.00	1.00	0.302	0.036	0.013	0.027	0.039	0.008
A0147755	ASSAY	TB19104850	241.00	242.00	1.00	0.086	0.020	0.004	0.010	0.025	0.005
A0147756	ASSAY	TB19104850	242.00	243.00	1.00	0.080	0.010	0.011	0.020	0.027	0.005
A0147757	ASSAY	TB19104850	243.00	244.00	1.00	0.002	0.003	0.006	0.016	0.026	0.005
A0147758	ASSAY	TB19104850	244.00	245.00	1.00	0.003	0.003	0.005	0.017	0.033	0.005
A0147759	ASSAY	TB19104850	245.00	246.00	1.00	0.003	0.003	0.002	0.006	0.025	0.005
A0147760	ASSAY	TB19104850	246.00	247.00	1.00	0.064	0.006	0.003	0.006	0.031	0.005
A0147761	ASSAY	TB19104850	247.00	248.00	1.00	0.012	0.003	0.012	0.025	0.035	0.006
A0147762	ASSAY	TB19104850	248.00	249.00	1.00	1.020	0.075	0.018	0.044	0.053	0.006
A0147763	ASSAY	TB19104850	249.00	250.00	1.00	0.031	0.008	0.002	0.009	0.034	0.004
A0147764	ASSAY	TB19104850	250.00	251.00	1.00	0.124	0.010	0.002	0.011	0.034	0.005
A0147765	ASSAY	TB19104850	251.00	252.00	1.00	0.464	0.030	0.019	0.050	0.072	0.008
A0147766	ASSAY	TB19104850	252.00	253.00	1.00	1.980	0.222	0.109	0.197	0.145	0.017
A0147767	ASSAY	TB19104850	253.00	254.00	1.00	0.393	0.033	0.014	0.046	0.080	0.007
A0147768	ASSAY	TB19104850	254.00	255.00	1.00	0.904	0.134	0.031	0.111	0.079	0.010
A0147769	ASSAY	TB19104850	255.00	256.00	1.00	0.297	0.027	0.021	0.046	0.046	0.006
A0147770	ASSAY	TB19104850	256.00	257.00	1.00	0.039	0.005	0.002	0.008	0.043	0.007
A0147772	ASSAY	TB19104850	257.00	258.00	1.00	0.030	0.009	0.010	0.023	0.051	0.007
A0147773	ASSAY	TB19104850	258.00	259.00	1.00	0.589	0.036	0.041	0.065	0.079	0.009

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			A0147774	ASSAY	TB19104850	259.00	260.00	1.00	0.130	0.012	0.011	0.019	0.049	0.008
			A0147775	ASSAY	TB19104850	260.00	261.00	1.00	0.012	0.003	0.012	0.008	0.027	0.005
			A0147776	ASSAY	TB19104850	261.00	262.00	1.00	0.408	0.049	0.026	0.049	0.051	0.006
			A0147777	ASSAY	TB19104850	262.00	263.00	1.00	0.288	0.017	0.019	0.031	0.036	0.006
			A0147778	ASSAY	TB19104850	263.00	264.00	1.00	0.229	0.014	0.013	0.027	0.027	0.003
			A0147779	ASSAY	TB19104850	264.00	265.00	1.00	0.230	0.014	0.018	0.072	0.031	0.004
			A0147780	ASSAY	TB19104850	265.00	266.00	1.00	0.217	0.019	0.004	0.039	0.038	0.005
			A0147781	ASSAY	TB19104850	266.00	267.00	1.00	0.069	0.010	0.004	0.014	0.024	0.004
			A0147782	ASSAY	TB19104850	267.00	268.00	1.00	0.022	0.003	0.003	0.007	0.022	0.005
			A0147783	ASSAY	TB19104850	268.00	269.00	1.00	0.003	0.003	0.002	0.005	0.010	0.002
			A0147784	ASSAY	TB19104850	269.00	269.78	0.78	0.001	0.003	0.001	0.004	0.013	0.003
			A0147785	ASSAY	TB19104850	269.78	270.64	0.86	0.029	0.003	0.003	0.008	0.012	0.003

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
270.64	289.76	**LGAB** 270.64 - 289.76m / Leucogabbro Light gray green, fine-grained, foliated leucogabbro. 70-80% white to purple plag, 20-30% green altered pyroxene. weak to moderate chl-act alt, Na-alt on feldspar vfg-fg disseminated 0.1-0.3% Py-Po, chalco not observed. Unit is foliated, and host abundant ser-na-alt filled fractures which are parallel to perpendicular to foliation. Distinct but diffused upper and lower contacts with VT GAB.	A0147786	ASSAY	TB19104850	270.64	271.34	0.70	0.001	0.003	0.006	0.006	0.002	0.001
			A0147787	ASSAY	TB19104850	271.34	272.00	0.66	0.001	0.003	0.004	0.005	0.003	0.003
			A0147788	ASSAY	TB19104850	272.00	273.00	1.00	0.001	0.003	0.003	0.006	0.003	0.002
			A0147789	ASSAY	TB19104850	273.00	274.00	1.00	0.001	0.003	0.004	0.010	0.003	0.002
			A0147790	ASSAY	TB19104850	274.00	275.00	1.00	0.001	0.003	0.001	0.004	0.002	0.001
			A0147792	ASSAY	TB19104850	275.00	276.00	1.00	0.001	0.003	0.002	0.010	0.008	0.001
			A0147793	ASSAY	TB19104850	276.00	277.00	1.00	0.001	0.003	0.002	0.006	0.003	0.001
			A0147794	ASSAY	TB19104850	277.00	278.00	1.00	0.001	0.003	0.003	0.008	0.003	0.002
			A0147795	ASSAY	TB19104850	278.00	279.00	1.00	0.001	0.005	0.001	0.004	0.002	0.001
			A0147796	ASSAY	TB19104850	279.00	280.00	1.00	0.001	0.003	0.001	0.003	0.003	0.001
			A0147797	ASSAY	TB19104850	280.00	281.00	1.00	0.001	0.003	0.002	0.006	0.003	0.002
			A0147798	ASSAY	TB19104850	281.00	282.00	1.00	0.019	0.003	0.004	0.013	0.004	0.002
			A0147799	ASSAY	TB19104850	282.00	283.00	1.00	0.040	0.003	0.003	0.012	0.003	0.001
			A0147800	ASSAY	TB19104850	283.00	284.00	1.00	0.001	0.003	0.001	0.009	0.004	0.001
			A0147801	ASSAY	TB19104850	284.00	285.00	1.00	0.029	0.003	0.005	0.003	0.002	0.001
			A0147802	ASSAY	TB19104850	285.00	286.00	1.00	0.053	0.003	0.003	0.010	0.006	0.001
			A0147803	ASSAY	TB19104850	286.00	287.00	1.00	0.040	0.003	0.002	0.006	0.002	0.001
			A0147804	ASSAY	TB19104850	287.00	288.00	1.00	0.007	0.003	0.001	0.006	0.002	0.001
			A0147805	ASSAY	TB19104850	288.00	289.00	1.00	0.027	0.003	0.001	0.004	0.003	0.001
			A0147806	ASSAY	TB19104850	289.00	289.76	0.76	0.028	0.003	0.003	0.005	0.003	0.001
289.76	298.53	**GAB-Vt** 289.76 - 298.53m / Varitexture gabbro Green, fine- to medium-grained, massive, strongly altered varitexture gabbro. 25-40% white plag, 60-75% altered pyroxene. Strong pervasive chl-act alt, local intervals of stronger Na-alt on feldspar approaching the Offset fault. Alt stringers are also more common approaching the fault. Mineralization is trace to nil, to up to 0.2% patchy disseminated Po-Py-Ccp. Local massive sulphide pods of Po-Py 5cm wide at 298.15m.	A0147807	ASSAY	TB19104850	289.76	291.00	1.24	0.024	0.008	0.006	0.028	0.021	0.004
			A0147811	ASSAY	TB19104852	291.00	292.00	1.00	0.088	0.008	0.010	0.037	0.024	0.005
			A0147812	ASSAY	TB19104852	292.00	293.00	1.00	0.066	0.015	0.005	0.018	0.025	0.004
			A0147813	ASSAY	TB19104852	293.00	294.00	1.00	0.046	0.009	0.011	0.019	0.028	0.005
			A0147814	ASSAY	TB19104852	294.00	295.00	1.00	0.069	0.012	0.012	0.021	0.039	0.005
			A0147815	ASSAY	TB19104852	295.00	296.00	1.00	1.720	0.254	0.060	0.077	0.120	0.007
			A0147816	ASSAY	TB19104852	296.00	297.00	1.00	0.306	0.034	0.024	0.038	0.043	0.005
			A0147817	ASSAY	TB19104852	297.00	297.75	0.75	0.042	0.010	0.005	0.013	0.028	0.005
			A0147818	ASSAY	TB19104852	297.75	298.53	0.78	3.720	0.267	0.095	0.102	0.951	0.010

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
298.53	299.60	**DIKE-Mafic** 289.53 - 299.6m / Mafic Dike Dark green, fine-grained mafic dike. moderate pervasive chl-act alt. Sharp upper and lower contact	A0147819	ASSAY	TB19104852	298.53	299.60	1.07	0.128	0.011	0.010	0.030	0.032	0.005
299.60	317.38	**GAB-Vt** 289.76 - 317.38m / Varitexture gabbro Green, fine- to medium-grained, massive, strongly altered varitexture gabbro. 25-40% white plag, 60-75% altered pyroxene. Strong pervasive chl-act alt, local intervals of stronger Na-alt on feldspar approaching the Offset fault. Alt stringers are also more common approaching the fault. Mineralization is trace to nil, to up to 0.2% patchy disseminated Po-Py-Ccp. Diffused lower contact with felsic dike (or tonalite xeno?).	A0147820	ASSAY	TB19104852	299.60	300.30	0.70	1.480	0.127	0.100	0.074	0.085	0.006
			A0147821	ASSAY	TB19104852	300.30	301.00	0.70	0.809	0.068	0.026	0.030	0.068	0.006
			A0147822	ASSAY	TB19104852	301.00	302.00	1.00	0.385	0.026	0.031	0.050	0.047	0.005
			A0147823	ASSAY	TB19104852	302.00	303.00	1.00	0.637	0.066	0.031	0.067	0.066	0.006
			A0147824	ASSAY	TB19104852	303.00	304.00	1.00	0.654	0.046	0.013	0.042	0.054	0.004
			A0147825	ASSAY	TB19104852	304.00	305.00	1.00	3.340	0.146	0.149	0.094	0.112	0.007
			A0147826	ASSAY	TB19104852	305.00	306.00	1.00	3.330	0.188	0.069	0.078	0.109	0.006
			A0147827	ASSAY	TB19104852	306.00	307.00	1.00	4.520	0.339	0.155	0.153	0.154	0.007
			A0147828	ASSAY	TB19104852	307.00	308.00	1.00	1.880	0.122	0.114	0.064	0.076	0.005
			A0147830	ASSAY	TB19104852	308.00	309.00	1.00	0.263	0.014	0.013	0.060	0.036	0.004
			A0147831	ASSAY	TB19104852	309.00	310.00	1.00	1.510	0.102	0.026	0.060	0.062	0.006
			A0147832	ASSAY	TB19104852	310.00	311.00	1.00	1.920	0.101	0.064	0.071	0.070	0.005
			A0147833	ASSAY	TB19104852	311.00	312.00	1.00	0.060	0.007	0.014	0.029	0.025	0.005
			A0147834	ASSAY	TB19104852	312.00	313.00	1.00	1.320	0.092	0.135	0.075	0.069	0.005
			A0147835	ASSAY	TB19104852	313.00	314.00	1.00	5.190	0.295	0.057	0.156	0.218	0.009
			A0147836	ASSAY	TB19104852	314.00	315.00	1.00	1.700	0.162	0.022	0.105	0.086	0.006
			A0147837	ASSAY	TB19104852	315.00	316.00	1.00	2.050	0.112	0.029	0.084	0.083	0.006
			A0147838	ASSAY	TB19104852	316.00	317.38	1.38	0.770	0.052	0.017	0.048	0.044	0.003
317.38	319.30	**DIKE-Felsic** 317.38 - 319.30m / Felsic dike - or large tonalite clasts? Pink, coarse-grained, massive to weakly foliated tonalite intrusion/xenolith moderate Na-K alt. No min. irregular upper contact and sharp lower contact.	A0147839	ASSAY	TB19104852	317.38	318.39	1.01	0.973	0.072	0.047	0.049	0.035	0.001
			A0147840	ASSAY	TB19104852	318.39	319.30	0.91	0.346	0.027	0.007	0.015	0.014	0.003

From	To	Lithology
319.30	321.88	**FAULT** 319.30 - 321.88m / Offset Fault Sharp upper contact with tonalite dike/xeno. Top 25cm of fault host a breccia zone with mafic clasts up to 3cm long, oriented parallel to xeno contact. Fault gouge present from 319.5-319.7m, followed by highly fractured rock. Common qtz-carb veins running through section. Strongly chl-act altered. K-alt on feld towards lower contact.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0147841	ASSAY	TB19104852	319.30	320.00	0.70	0.076	0.008	0.002	0.001	0.030	0.006
A0147842	ASSAY	TB19104852	320.00	321.00	1.00	0.006	0.003	0.001	0.001	0.026	0.005
A0147843	ASSAY	TB19104852	321.00	321.88	0.88	0.033	0.003	0.001	0.001	0.041	0.005

From	To	Lithology
321.88	347.15	**GAB**

321.88 - 347.15m / Gabbro
Green, medium-grain, massive gabbro
30% plag, 70% altered pyroxene.
Strong to moderate pervasive chl-act alt.
Min is nil until 333.51m where patchy disseminated 0.1-0.5% Py-Po with trace ccp is present.
Common felsic veins to veinlets, and qtz-carb stringers following Offset Fault until 329m.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0147844	ASSAY	TB19104852	321.88	323.00	1.12	0.682	0.098	0.007	0.160	0.062	0.007
A0147845	ASSAY	TB19104852	323.00	324.00	1.00	0.069	0.008	0.001	0.004	0.034	0.005
A0147846	ASSAY	TB19104852	324.00	325.00	1.00	0.019	0.003	0.003	0.004	0.030	0.004
A0147847	ASSAY	TB19104852	325.00	326.00	1.00	0.048	0.005	0.001	0.007	0.036	0.005
A0147848	ASSAY	TB19104852	326.00	327.00	1.00	0.048	0.008	0.001	0.013	0.036	0.005
A0147850	ASSAY	TB19104852	327.00	328.00	1.00	0.008	0.003	0.001	0.006	0.029	0.004
A0147851	ASSAY	TB19104852	328.00	329.00	1.00	0.334	0.038	0.004	0.042	0.044	0.006
A0147852	ASSAY	TB19104852	329.00	330.00	1.00	0.003	0.003	0.001	0.010	0.029	0.005
A0147853	ASSAY	TB19104852	330.00	331.00	1.00	0.047	0.007	0.002	0.019	0.029	0.005
A0147854	ASSAY	TB19104852	331.00	332.00	1.00	0.003	0.003	0.001	0.011	0.028	0.004
A0147855	ASSAY	TB19104852	332.00	333.00	1.00	0.155	0.006	0.001	0.033	0.034	0.005
A0147856	ASSAY	TB19104852	333.00	334.00	1.00	0.055	0.005	0.004	0.023	0.031	0.005
A0147857	ASSAY	TB19104852	334.00	335.00	1.00	0.067	0.008	0.002	0.013	0.031	0.005
A0147858	ASSAY	TB19104852	335.00	336.00	1.00	0.556	0.053	0.011	0.084	0.083	0.016
A0147859	ASSAY	TB19104852	336.00	337.00	1.00	0.031	0.003	0.003	0.014	0.026	0.005
A0147860	ASSAY	TB19104852	337.00	338.00	1.00	0.064	0.008	0.001	0.019	0.028	0.005
A0147861	ASSAY	TB19104852	338.00	339.00	1.00	0.002	0.003	0.001	0.012	0.018	0.005
A0147862	ASSAY	TB19104852	339.00	340.00	1.00	0.028	0.003	0.001	0.011	0.020	0.005
A0147863	ASSAY	TB19104852	340.00	341.00	1.00	0.032	0.003	0.004	0.015	0.023	0.006
A0147864	ASSAY	TB19104852	341.00	342.00	1.00	0.607	0.073	0.009	0.031	0.044	0.007
A0147865	ASSAY	TB19104852	342.00	343.00	1.00	0.001	0.003	0.001	0.009	0.018	0.005
A0147866	ASSAY	TB19104852	343.00	344.00	1.00	0.045	0.003	0.002	0.011	0.022	0.005
A0147867	ASSAY	TB19104852	344.00	345.00	1.00	0.043	0.006	0.003	0.013	0.022	0.005
A0147868	ASSAY	TB19104852	345.00	346.00	1.00	0.110	0.003	0.006	0.021	0.029	0.006
A0147870	ASSAY	TB19104852	346.00	347.15	1.15	0.050	0.003	0.005	0.016	0.025	0.005

From	To	Lithology
347.15	370.26	**GAB-Vt**

347.15 - 370.26m / Varitexture gabbro
Green, fine- to coarse-grained, locally pegmatitic, massive varitexture gabbro.
20-40% plag, 60-80% altered pyroxene.
Alteration is generally moderate to strong in finer-grained areas, consist of pervasive chl-act.
Qtz-carb-Na alt stringers running throughout.
0.2-0.5% patchy disseminated Py-Po-Ccp. Min is locally blebby. Sulphides are concentrated in the mg-cg intervals. In pegmatitic intervals the sulphides are intersitital to silicates.
Upper ctct is gradational, lower ctct is marked at the first appearance of breccia matrix.
Unit is massive, no foliation present.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0147871	ASSAY	TB19104852	347.15	348.00	0.85	0.097	0.012	0.009	0.022	0.027	0.006
A0147872	ASSAY	TB19104852	348.00	349.00	1.00	0.067	0.007	0.008	0.018	0.022	0.006
A0147873	ASSAY	TB19104852	349.00	350.00	1.00	0.084	0.008	0.005	0.013	0.018	0.004
A0147874	ASSAY	TB19104852	350.00	351.00	1.00	0.074	0.003	0.004	0.023	0.035	0.006
A0147875	ASSAY	TB19104852	351.00	352.00	1.00	0.466	0.031	0.016	0.027	0.042	0.005
A0147876	ASSAY	TB19104852	352.00	353.00	1.00	0.202	0.021	0.009	0.026	0.036	0.005
A0147877	ASSAY	TB19104852	353.00	354.00	1.00	0.614	0.105	0.037	0.051	0.049	0.006
A0147878	ASSAY	TB19104852	354.00	355.00	1.00	0.342	0.032	0.031	0.032	0.040	0.005
A0147879	ASSAY	TB19104852	355.00	356.00	1.00	3.940	0.413	0.158	0.158	0.290	0.023
A0147880	ASSAY	TB19104852	356.00	357.00	1.00	0.106	0.014	0.021	0.052	0.054	0.007
A0147881	ASSAY	TB19104852	357.00	358.00	1.00	0.630	0.118	0.006	0.012	0.041	0.005
A0147882	ASSAY	TB19104852	358.00	359.00	1.00	0.016	0.003	0.004	0.020	0.034	0.005
A0147883	ASSAY	TB19104852	359.00	360.00	1.00	0.086	0.005	0.001	0.011	0.029	0.005
A0147884	ASSAY	TB19104852	360.00	361.00	1.00	0.197	0.014	0.007	0.028	0.036	0.005
A0147885	ASSAY	TB19104852	361.00	362.00	1.00	0.060	0.006	0.008	0.017	0.034	0.005
A0147889	ASSAY	TB19104855	362.00	363.00	1.00	0.048	0.007	0.006	0.017	0.034	0.005
A0147890	ASSAY	TB19104855	363.00	364.00	1.00	0.100	0.008	0.006	0.021	0.030	0.004
A0147891	ASSAY	TB19104855	364.00	365.00	1.00	1.360	0.138	0.049	0.073	0.048	0.005
A0147892	ASSAY	TB19104855	365.00	366.00	1.00	0.047	0.003	0.016	0.029	0.036	0.005
A0147893	ASSAY	TB19104855	366.00	367.00	1.00	0.084	0.006	0.010	0.022	0.030	0.004
A0147894	ASSAY	TB19104855	367.00	368.00	1.00	0.101	0.003	0.005	0.019	0.030	0.004
A0147895	ASSAY	TB19104855	368.00	369.00	1.00	0.206	0.027	0.006	0.014	0.043	0.005
A0147896	ASSAY	TB19104855	369.00	370.26	1.26	0.051	0.006	0.003	0.017	0.036	0.005

From	To	Lithology
370.26	426.98	**GAB-VBx**

370.26 - 426.98m / Varitexture gabbro breccia
Green, medium- to coarse-grained, massive, varitexture gabbro breccia.
Gabbro clasts have 30-40% plag, 60-70% altered pyroxene. Breccia matrix is fine- to medium-grained, or aphanitic with local 5% anhedral feld or pyroxene grains. Unit is 75-90% VT GAB clasts, 10-25% breccia matrix. Contacts with clasts and matrix are sharp to diffused but distinct.
Alteration consist of moderate pervasive chl-act alt. Common qtz-carb-Na alt stringers throughout.
Mineralization varies from trace to 1.5% as patchy disseminated to blebby Po-Ccp-Py. 1-1.5% patchy disseminated to blebby to intercumulus Po-Ccp-Py from 378.9-383m.
Unit is generally massive, with only minor faulting and local thin shears observed.
Sharp lower ctct with felsic dike.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0147897	ASSAY	TB19104855	370.26	371.00	0.74	0.091	0.007	0.006	0.037	0.039	0.006
A0147898	ASSAY	TB19104855	371.00	372.00	1.00	0.062	0.007	0.005	0.030	0.048	0.006
A0147899	ASSAY	TB19104855	372.00	373.00	1.00	0.076	0.006	0.008	0.046	0.051	0.007
A0147900	ASSAY	TB19104855	373.00	374.00	1.00	0.007	0.003	0.013	0.053	0.070	0.009
A0147901	ASSAY	TB19104855	374.00	375.00	1.00	0.567	0.060	0.017	0.049	0.069	0.007
A0147902	ASSAY	TB19104855	375.00	376.00	1.00	0.319	0.030	0.015	0.029	0.044	0.005
A0147903	ASSAY	TB19104855	376.00	377.00	1.00	0.593	0.009	0.026	0.063	0.054	0.008
A0147904	ASSAY	TB19104855	377.00	378.00	1.00	0.613	0.135	0.021	0.056	0.116	0.012
A0147905	ASSAY	TB19104855	378.00	379.00	1.00	0.067	0.006	0.003	0.021	0.044	0.007
A0147906	ASSAY	TB19104855	379.00	380.00	1.00	0.070	0.007	0.004	0.039	0.057	0.007
A0147908	ASSAY	TB19104855	380.00	381.00	1.00	0.613	0.021	0.020	0.116	0.088	0.012
A0147909	ASSAY	TB19104855	381.00	382.00	1.00	0.086	0.005	0.015	0.078	0.067	0.009
A0147910	ASSAY	TB19104855	382.00	383.00	1.00	0.022	0.003	0.012	0.047	0.044	0.007
A0147911	ASSAY	TB19104855	383.00	384.00	1.00	0.046	0.003	0.012	0.027	0.040	0.006
A0147912	ASSAY	TB19104855	384.00	385.00	1.00	0.135	0.023	0.002	0.016	0.027	0.005
A0147913	ASSAY	TB19104855	385.00	386.00	1.00	0.165	0.021	0.004	0.012	0.042	0.006
A0147914	ASSAY	TB19104855	386.00	387.00	1.00	0.484	0.052	0.015	0.027	0.052	0.006
A0147915	ASSAY	TB19104855	387.00	388.00	1.00	0.043	0.003	0.006	0.022	0.030	0.005
A0147916	ASSAY	TB19104855	388.00	389.00	1.00	0.076	0.009	0.008	0.046	0.057	0.007
A0147917	ASSAY	TB19104855	389.00	390.00	1.00	0.129	0.011	0.009	0.029	0.047	0.007
A0147918	ASSAY	TB19104855	390.00	391.00	1.00	0.001	0.003	0.001	0.010	0.024	0.005
A0147919	ASSAY	TB19104855	391.00	392.00	1.00	0.005	0.003	0.003	0.012	0.014	0.005
A0147920	ASSAY	TB19104855	392.00	393.00	1.00	0.059	0.003	0.011	0.029	0.035	0.007
A0147921	ASSAY	TB19104855	393.00	394.00	1.00	0.104	0.031	0.008	0.021	0.028	0.006
A0147922	ASSAY	TB19104855	394.00	395.00	1.00	0.601	0.057	0.032	0.031	0.073	0.009
A0147923	ASSAY	TB19104855	395.00	396.00	1.00	0.403	0.018	0.026	0.052	0.076	0.012
A0147924	ASSAY	TB19104855	396.00	397.00	1.00	0.065	0.014	0.025	0.023	0.032	0.007
A0147925	ASSAY	TB19104855	397.00	398.00	1.00	1.790	0.205	0.342	0.078	0.029	0.006
A0147926	ASSAY	TB19104855	398.00	399.00	1.00	0.060	0.008	0.004	0.006	0.014	0.005
A0147928	ASSAY	TB19104855	399.00	400.00	1.00	0.373	0.028	0.044	0.082	0.050	0.009
A0147929	ASSAY	TB19104855	400.00	401.00	1.00	0.036	0.003	0.031	0.091	0.019	0.006

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			A0147930	ASSAY	TB19104855	401.00	402.00	1.00	0.005	0.003	0.025	0.058	0.021	0.006
			A0147931	ASSAY	TB19104855	402.00	403.00	1.00	0.109	0.021	0.016	0.046	0.046	0.007
			A0147932	ASSAY	TB19104855	403.00	404.00	1.00	0.553	0.050	0.012	0.025	0.039	0.006
			A0147933	ASSAY	TB19104855	404.00	405.00	1.00	0.324	0.035	0.013	0.049	0.049	0.006
			A0147934	ASSAY	TB19104855	405.00	406.00	1.00	0.899	0.120	0.027	0.053	0.069	0.007
			A0147935	ASSAY	TB19104855	406.00	407.00	1.00	1.020	0.103	0.054	0.105	0.082	0.008
			A0147936	ASSAY	TB19104855	407.00	408.00	1.00	0.099	0.006	0.004	0.029	0.045	0.006
			A0147937	ASSAY	TB19104855	408.00	409.00	1.00	0.342	0.035	0.008	0.038	0.052	0.007
			A0147938	ASSAY	TB19104855	409.00	410.00	1.00	0.338	0.054	0.013	0.060	0.039	0.005
			A0147939	ASSAY	TB19104855	410.00	411.00	1.00	0.176	0.017	0.021	0.036	0.042	0.006
			A0147940	ASSAY	TB19104855	411.00	412.00	1.00	0.202	0.010	0.013	0.031	0.036	0.005
			A0147941	ASSAY	TB19104855	412.00	413.00	1.00	1.440	0.414	0.028	0.083	0.102	0.009
			A0147942	ASSAY	TB19104855	413.00	414.00	1.00	0.266	0.049	0.016	0.026	0.038	0.006
			A0147943	ASSAY	TB19104855	414.00	415.00	1.00	0.338	0.039	0.020	0.029	0.044	0.007
			A0147944	ASSAY	TB19104855	415.00	416.00	1.00	0.174	0.025	0.033	0.104	0.050	0.006
			A0147945	ASSAY	TB19104855	416.00	417.00	1.00	0.162	0.024	0.010	0.039	0.050	0.007
			A0147946	ASSAY	TB19104855	417.00	418.00	1.00	0.154	0.017	0.008	0.022	0.032	0.006
			A0147948	ASSAY	TB19104855	418.00	419.00	1.00	0.125	0.014	0.012	0.031	0.044	0.007
			A0147949	ASSAY	TB19104855	419.00	420.00	1.00	0.194	0.027	0.017	0.033	0.037	0.006
			A0147950	ASSAY	TB19104855	420.00	421.00	1.00	0.062	0.018	0.003	0.020	0.031	0.006
			A0147951	ASSAY	TB19104855	421.00	422.00	1.00	0.551	0.061	0.018	0.036	0.052	0.007
			A0147952	ASSAY	TB19104855	422.00	423.00	1.00	0.028	0.003	0.004	0.014	0.027	0.005
			A0147953	ASSAY	TB19104855	423.00	424.00	1.00	0.003	0.003	0.003	0.011	0.023	0.005
			A0147954	ASSAY	TB19104855	424.00	425.00	1.00	0.012	0.003	0.002	0.012	0.023	0.005
			A0147955	ASSAY	TB19104855	425.00	426.00	1.00	0.264	0.037	0.010	0.022	0.034	0.006
			A0147956	ASSAY	TB19104855	426.00	426.98	0.98	0.287	0.022	0.009	0.022	0.042	0.006
426.98	428.35	**DIKE-Felsic**	A0147957	ASSAY	TB19104855	426.98	428.35	1.37	0.004	0.003	0.001	0.005	0.008	0.001

426.98 - 428.35m / Felsic dike
White, medium- to coarse-grained felsic dike.
Sharp upper and lower ctct.
no min or alt

From	To	Lithology
428.35	460.77	**GAB-VBx**

428.35 - 460.77m / Varitexture gabbro breccia
Green, medium- to coarse-grained, massive, varitexture gabbro breccia.
Gabbro clasts have 30-40% plag, 60-70% altered pyroxene. Breccia matrix is fine- to medium-grained, or aphanitic with local 5% anhedral feld or pyroxene grains. Unit is 75-90% VT GAB clasts, 10-25% breccia matrix. Contacts with clasts and matrix are sharp to diffused but distinct. Alteration consist of moderate pervasive chl-act alt. Common qtz-carb-Na alt stringers throughout.
Mineralization varies from trace to 0.5% as patchy disseminated to blebby Po-Ccp-Py.
Unit is generally massive, with only minor faulting and local thin shears observed.
Sharp lower ctct with norite, as marked by increase in mag values (from 0.5 to >5kappa) and appeance of brown pitted OPX and bronzite.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0147958	ASSAY	TB19104855	428.35	429.18	0.83	0.100	0.012	0.001	0.008	0.026	0.003
A0147959	ASSAY	TB19104855	429.18	430.00	0.82	0.191	0.023	0.002	0.020	0.043	0.005
A0147960	ASSAY	TB19104855	430.00	431.00	1.00	0.125	0.016	0.001	0.010	0.034	0.006
A0147961	ASSAY	TB19104855	431.00	432.00	1.00	0.015	0.003	0.005	0.014	0.022	0.005
A0147962	ASSAY	TB19104855	432.00	433.00	1.00	0.159	0.020	0.017	0.024	0.029	0.005
A0147963	ASSAY	TB19104855	433.00	434.00	1.00	0.074	0.005	0.003	0.025	0.041	0.006
A0147967	ASSAY	TB19107717	434.00	435.00	1.00	1.080	0.079	0.073	0.114	0.119	0.012
A0147968	ASSAY	TB19107717	435.00	436.00	1.00	0.058	0.010	0.001	0.010	0.033	0.004
A0147969	ASSAY	TB19107717	436.00	437.00	1.00	0.208	0.021	0.004	0.019	0.035	0.005
A0147970	ASSAY	TB19107717	437.00	438.00	1.00	0.009	0.003	0.002	0.015	0.021	0.004
A0147971	ASSAY	TB19107717	438.00	439.00	1.00	0.046	0.005	0.003	0.027	0.029	0.005
A0147972	ASSAY	TB19107717	439.00	440.00	1.00	0.030	0.005	0.006	0.027	0.038	0.006
A0147973	ASSAY	TB19107717	440.00	441.00	1.00	0.146	0.012	0.006	0.035	0.033	0.006
A0147974	ASSAY	TB19107717	441.00	442.00	1.00	0.223	0.023	0.005	0.019	0.036	0.006
A0147975	ASSAY	TB19107717	442.00	443.00	1.00	0.060	0.003	0.007	0.038	0.046	0.006
A0147976	ASSAY	TB19107717	443.00	444.00	1.00	0.085	0.009	0.006	0.036	0.041	0.005
A0147977	ASSAY	TB19107717	444.00	445.00	1.00	0.242	0.017	0.013	0.014	0.033	0.005
A0147978	ASSAY	TB19107717	445.00	446.00	1.00	0.022	0.003	0.004	0.010	0.030	0.004
A0147979	ASSAY	TB19107717	446.00	447.00	1.00	0.056	0.019	0.003	0.016	0.039	0.005
A0147980	ASSAY	TB19107717	447.00	448.00	1.00	0.062	0.003	0.003	0.012	0.038	0.008
A0147981	ASSAY	TB19107717	448.00	449.00	1.00	0.010	0.003	0.004	0.020	0.040	0.006
A0147982	ASSAY	TB19107717	449.00	450.00	1.00	0.012	0.003	0.006	0.020	0.035	0.006
A0147983	ASSAY	TB19107717	450.00	451.00	1.00	0.121	0.016	0.008	0.029	0.036	0.005
A0147984	ASSAY	TB19107717	451.00	452.00	1.00	0.101	0.011	0.007	0.027	0.038	0.005
A0147986	ASSAY	TB19107717	452.00	453.00	1.00	0.040	0.003	0.014	0.037	0.041	0.006
A0147987	ASSAY	TB19107717	453.00	454.00	1.00	0.045	0.010	0.006	0.014	0.029	0.005
A0147988	ASSAY	TB19107717	454.00	455.00	1.00	0.138	0.013	0.011	0.016	0.034	0.006
A0147989	ASSAY	TB19107717	455.00	456.00	1.00	0.030	0.006	0.001	0.007	0.031	0.005
A0147990	ASSAY	TB19107717	456.00	457.00	1.00	0.004	0.003	0.002	0.012	0.031	0.006
A0147991	ASSAY	TB19107717	457.00	458.00	1.00	0.010	0.003	0.001	0.004	0.025	0.005
A0147992	ASSAY	TB19107717	458.00	459.00	1.00	0.156	0.041	0.003	0.016	0.029	0.005

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			A0147993	ASSAY	TB19107717	459.00	460.00	1.00	0.215	0.021	0.010	0.016	0.030	0.006
			A0147994	ASSAY	TB19107717	460.00	460.77	0.77	0.241	0.037	0.017	0.020	0.042	0.005

From	To	Lithology
460.77	490.91	**NOR-VBx**

460.77 - 490.91m / Varitexture norite breccia
Dark grayish green-purple, fine- to coarse-grained, massive, weakly magnetic, varitexture norite breccia. Unit is 25% fine-grained bx matrix with local OPX bronzite grains. Norite clasts are composed of 30% white/purple plag and 70% altered to fresh pyroxene. Plag content increases in coarse-grained intervals. Local GAB VT patches, consisting of 5% of the unit, marked by the absence of bronzite/purple pitted OPX. Alteration consists of weak to moderate pervasive chl-act, with local patches (468.2-470.25m) of moderate to strong chl-serp stringers with pervasive alt halos of bright green serpentine (?). Pearly soft anhedral grains (diopside according to Lionnel) is commonly associated with chl-serp stringers. Mineralization consists of fg disseminated Po-Py-Ccp to lesser common cg blebby Po-Ccp. Po and Ccp is more common in the norite than the gabbro units. Min is not associated with chl-serp-diop alteration. Local 2% disseminated Py-Po-Ccp min from 481.25-480.5m. Weak magnetite, up to 10kappa on mag sus.
Lower contact with gradational from coarse norite to coarse gabbro.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0147995	ASSAY	TB19107717	460.77	462.00	1.23	0.172	0.010	0.007	0.013	0.035	0.006
A0147996	ASSAY	TB19107717	462.00	463.00	1.00	0.073	0.007	0.009	0.027	0.039	0.007
A0147997	ASSAY	TB19107717	463.00	464.00	1.00	0.075	0.012	0.010	0.024	0.052	0.008
A0147998	ASSAY	TB19107717	464.00	465.00	1.00	0.010	0.003	0.015	0.030	0.050	0.007
A0147999	ASSAY	TB19107717	465.00	466.00	1.00	0.059	0.006	0.004	0.018	0.033	0.006
A0148000	ASSAY	TB19107717	466.00	467.00	1.00	0.021	0.005	0.003	0.013	0.029	0.005
A0148001	ASSAY	TB19107717	467.00	468.00	1.00	0.451	0.026	0.029	0.019	0.034	0.005
A0148002	ASSAY	TB19107717	468.00	469.00	1.00	0.029	0.003	0.003	0.012	0.026	0.005
A0148003	ASSAY	TB19107717	469.00	470.00	1.00	0.026	0.003	0.011	0.018	0.033	0.006
A0148004	ASSAY	TB19107717	470.00	471.00	1.00	0.049	0.005	0.006	0.015	0.028	0.005
A0148006	ASSAY	TB19107717	471.00	472.00	1.00	0.141	0.025	0.008	0.016	0.030	0.006
A0148007	ASSAY	TB19107717	472.00	473.00	1.00	0.051	0.005	0.003	0.012	0.023	0.005
A0148008	ASSAY	TB19107717	473.00	474.00	1.00	0.054	0.005	0.006	0.012	0.022	0.005
A0148009	ASSAY	TB19107717	474.00	475.00	1.00	0.008	0.003	0.001	0.011	0.027	0.005
A0148010	ASSAY	TB19107717	475.00	476.00	1.00	0.073	0.007	0.005	0.010	0.027	0.005
A0148011	ASSAY	TB19107717	476.00	477.00	1.00	0.285	0.029	0.034	0.036	0.046	0.007
A0148012	ASSAY	TB19107717	477.00	478.00	1.00	0.163	0.015	0.017	0.022	0.032	0.005
A0148013	ASSAY	TB19107717	478.00	479.00	1.00	0.021	0.005	0.026	0.024	0.037	0.005
A0148014	ASSAY	TB19107717	479.00	480.00	1.00	0.174	0.015	0.012	0.018	0.027	0.005
A0148015	ASSAY	TB19107717	480.00	481.00	1.00	0.187	0.015	0.025	0.039	0.044	0.007
A0148016	ASSAY	TB19107717	481.00	482.00	1.00	0.340	0.035	0.025	0.057	0.075	0.008
A0148017	ASSAY	TB19107717	482.00	483.00	1.00	0.210	0.022	0.019	0.023	0.030	0.005
A0148018	ASSAY	TB19107717	483.00	484.00	1.00	0.187	0.046	0.023	0.028	0.034	0.006
A0148019	ASSAY	TB19107717	484.00	485.00	1.00	0.391	0.049	0.017	0.020	0.032	0.005
A0148020	ASSAY	TB19107717	485.00	486.00	1.00	0.022	0.003	0.006	0.018	0.030	0.006
A0148021	ASSAY	TB19107717	486.00	487.00	1.00	0.529	0.043	0.033	0.031	0.045	0.007
A0148022	ASSAY	TB19107717	487.00	488.00	1.00	0.126	0.030	0.014	0.018	0.029	0.005
A0148023	ASSAY	TB19107717	488.00	489.00	1.00	0.143	0.013	0.021	0.030	0.032	0.005
A0148024	ASSAY	TB19107717	489.00	490.00	1.00	0.139	0.014	0.010	0.021	0.030	0.006
A0148026	ASSAY	TB19107717	490.00	490.91	0.91	0.114	0.008	0.008	0.014	0.032	0.005

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
490.91	502.64	**GAB-VBx** 491.91 - 502.64m / Varitexture gabbro breccia Green, medium- to coarse-grained, massive, varitexture gabbro breccia. Gabbro clasts have 30-40% plag, 60-70% altered pyroxene. Breccia matrix is fine- to medium-grained, or aphanitic with local 5% anhedral feld or pyroxene grains. Unit is 75-90% VT GAB clasts, 10-25% breccia matrix. Contacts with clasts and matrix are sharp to diffused but distinct. Alteration consist of moderate pervasive chl-act alt. Common qtz-carb-alb and chl-serp alt stringers throughout. Mineralization varies from trace to 0.5-1% as patchy disseminated Po-Ccp-Py. Unit is generally massive, with only minor faulting and local thin shears observed. Local mafic dikes with sharp contacts cut throughout. Upper contact with norite is gradational, marked by the disapearance of brown OPX grains and drop in mag.	A0148027	ASSAY	TB19107717	490.91	492.00	1.09	0.151	0.014	0.011	0.015	0.026	0.005
			A0148028	ASSAY	TB19107717	492.00	493.00	1.00	0.038	0.003	0.006	0.012	0.022	0.005
			A0148029	ASSAY	TB19107717	493.00	494.00	1.00	0.075	0.008	0.014	0.026	0.034	0.006
			A0148030	ASSAY	TB19107717	494.00	495.00	1.00	0.380	0.040	0.019	0.021	0.031	0.005
			A0148031	ASSAY	TB19107717	495.00	496.00	1.00	0.048	0.009	0.007	0.011	0.023	0.004
			A0148032	ASSAY	TB19107717	496.00	497.00	1.00	0.031	0.003	0.004	0.008	0.025	0.004
			A0148033	ASSAY	TB19107717	497.00	498.00	1.00	0.033	0.003	0.004	0.007	0.024	0.004
			A0148034	ASSAY	TB19107717	498.00	499.00	1.00	0.070	0.008	0.004	0.010	0.028	0.005
			A0148035	ASSAY	TB19107717	499.00	500.00	1.00	0.191	0.014	0.006	0.013	0.033	0.005
			A0148036	ASSAY	TB19107717	500.00	501.00	1.00	0.077	0.005	0.003	0.006	0.025	0.004
			A0148037	ASSAY	TB19107717	501.00	501.74	0.74	0.331	0.029	0.017	0.021	0.044	0.006
			A0148038	ASSAY	TB19107717	501.74	502.64	0.90	0.201	0.023	0.011	0.021	0.044	0.006
502.64	503.83	**DIKE-Mafic** 502.64 - 503.83m / Mafic dike Dark gray, fine-grained mafic dike. Pervasive patchy Na-alt, thin stringers throughout, locally associated with py. Weak euhedral fg py min. Sharp upper and lower contact.	A0148039	ASSAY	TB19107717	502.64	503.83	1.19	0.020	0.003	0.025	0.072	0.007	0.004

From	To	Lithology
503.83	558.07	**GAB-VBx**

503.83 - 558.07m / Varitexture gabbro breccia
Green, medium- to coarse-grained, massive, varitexture gabbro breccia.
Gabbro clasts have 30-40% plag, 60-70% altered pyroxene. Breccia matrix is fine- to medium-grained, or aphanitic with local 5% anhedral feld or pyroxene grains. Unit is 80-90% VT GAB clasts, 10-20% breccia matrix. Contacts with clasts and matrix are sharp to diffused but distinct. Local LGAB intervals, consisting of 70-80% white plag and 20-30% altered pyroxene. From 551-552.9m and 556.38-558.04m coarse-grained GAB VT is whispy in a fine-grained matrix with local Py-Po-Ccp associated with it.
Alteration consist of moderate pervasive chl-act alt. Common qtz-carb-Na alt stringers throughout with local chl-serp stringers and pearly diopside (?) grains. From 550.7-551.17, GAB VT is K-Na altered with common alt stringers cutting interval.
Mineralization varies from 0.1-0.5% as patchy disseminated Py-Po-Ccp, concentration diminishing going downhole.
Unit is generally massive, with only minor faulting and local thin shears observed. Local mafic dikes cut throughout.
Sharp upper and lower ctcts with mafic dikes. Local tonalite xenoliths become more common downhole.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0148040	ASSAY	TB19107717	503.83	505.00	1.17	0.097	0.011	0.039	0.028	0.037	0.006
A0148041	ASSAY	TB19107717	505.00	506.00	1.00	0.007	0.003	0.006	0.038	0.038	0.007
A0148045	ASSAY	TB19107716	506.00	507.00	1.00	0.021	0.003	0.001	0.013	0.028	0.005
A0148046	ASSAY	TB19107716	507.00	508.00	1.00	0.484	0.046	0.006	0.044	0.037	0.005
A0148047	ASSAY	TB19107716	508.00	509.00	1.00	0.072	0.006	0.001	0.013	0.024	0.004
A0148048	ASSAY	TB19107716	509.00	510.00	1.00	0.006	0.003	0.001	0.011	0.021	0.004
A0148049	ASSAY	TB19107716	510.00	511.00	1.00	0.043	0.003	0.002	0.024	0.027	0.006
A0148050	ASSAY	TB19107716	511.00	512.00	1.00	0.057	0.006	0.002	0.017	0.023	0.005
A0148051	ASSAY	TB19107716	512.00	513.00	1.00	0.098	0.008	0.001	0.021	0.025	0.005
A0148052	ASSAY	TB19107716	513.00	514.00	1.00	0.002	0.003	0.001	0.010	0.021	0.004
A0148053	ASSAY	TB19107716	514.00	515.00	1.00	0.005	0.005	0.001	0.010	0.021	0.005
A0148054	ASSAY	TB19107716	515.00	516.00	1.00	0.001	0.003	0.002	0.019	0.026	0.005
A0148055	ASSAY	TB19107716	516.00	517.00	1.00	0.059	0.007	0.007	0.034	0.035	0.006
A0148056	ASSAY	TB19107716	517.00	518.00	1.00	0.040	0.006	0.001	0.017	0.024	0.004
A0148057	ASSAY	TB19107716	518.00	519.00	1.00	0.030	0.006	0.001	0.013	0.005	0.001
A0148058	ASSAY	TB19107716	519.00	520.00	1.00	0.001	0.003	0.001	0.012	0.012	0.003
A0148059	ASSAY	TB19107716	520.00	521.00	1.00	0.013	0.003	0.001	0.018	0.022	0.005
A0148060	ASSAY	TB19107716	521.00	522.00	1.00	0.088	0.012	0.004	0.021	0.034	0.006
A0148061	ASSAY	TB19107716	522.00	523.00	1.00	0.180	0.014	0.011	0.019	0.037	0.006
A0148062	ASSAY	TB19107716	523.00	524.00	1.00	0.001	0.003	0.001	0.012	0.028	0.005
A0148064	ASSAY	TB19107716	524.00	525.00	1.00	0.154	0.013	0.004	0.016	0.037	0.005
A0148065	ASSAY	TB19107716	525.00	526.00	1.00	0.019	0.003	0.003	0.013	0.026	0.005
A0148066	ASSAY	TB19107716	526.00	527.00	1.00	0.110	0.011	0.012	0.031	0.034	0.006
A0148067	ASSAY	TB19107716	527.00	528.00	1.00	0.010	0.003	0.007	0.021	0.032	0.006
A0148068	ASSAY	TB19107716	528.00	529.00	1.00	0.076	0.018	0.005	0.024	0.023	0.005
A0148069	ASSAY	TB19107716	529.00	530.00	1.00	0.001	0.003	0.006	0.010	0.025	0.005
A0148070	ASSAY	TB19107716	530.00	531.00	1.00	0.030	0.003	0.002	0.016	0.028	0.005
A0148071	ASSAY	TB19107716	531.00	532.00	1.00	0.007	0.003	0.002	0.008	0.021	0.005
A0148072	ASSAY	TB19107716	532.00	533.00	1.00	0.001	0.003	0.003	0.010	0.023	0.005
A0148073	ASSAY	TB19107716	533.00	534.00	1.00	0.001	0.003	0.003	0.009	0.024	0.005
A0148074	ASSAY	TB19107716	534.00	535.00	1.00	0.003	0.003	0.005	0.009	0.022	0.005

From	To	Lithology	Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
			A0148075	ASSAY	TB19107716	535.00	536.00	1.00	0.001	0.003	0.003	0.008	0.020	0.005
			A0148076	ASSAY	TB19107716	536.00	537.00	1.00	0.003	0.003	0.002	0.009	0.020	0.005
			A0148077	ASSAY	TB19107716	537.00	538.00	1.00	0.001	0.003	0.001	0.006	0.007	0.002
			A0148078	ASSAY	TB19107716	538.00	539.00	1.00	0.003	0.003	0.004	0.012	0.015	0.004
			A0148079	ASSAY	TB19107716	539.00	540.00	1.00	0.002	0.003	0.001	0.007	0.019	0.005
			A0148080	ASSAY	TB19107716	540.00	541.00	1.00	0.001	0.003	0.002	0.008	0.019	0.005
			A0148081	ASSAY	TB19107716	541.00	542.00	1.00	0.001	0.003	0.004	0.020	0.026	0.006
			A0148082	ASSAY	TB19107716	542.00	543.15	1.15	0.002	0.003	0.005	0.008	0.014	0.005
			A0148084	ASSAY	TB19107716	543.15	544.00	0.85	0.002	0.003	0.011	0.026	0.024	0.006
			A0148085	ASSAY	TB19107716	544.00	545.00	1.00	0.002	0.003	0.010	0.015	0.022	0.005
			A0148086	ASSAY	TB19107716	545.00	546.00	1.00	0.001	0.003	0.003	0.009	0.022	0.006
			A0148087	ASSAY	TB19107716	546.00	547.00	1.00	0.002	0.003	0.002	0.017	0.028	0.006
			A0148088	ASSAY	TB19107716	547.00	548.00	1.00	0.002	0.003	0.002	0.012	0.022	0.006
			A0148089	ASSAY	TB19107716	548.00	549.00	1.00	0.001	0.003	0.001	0.007	0.017	0.005
			A0148090	ASSAY	TB19107716	549.00	550.00	1.00	0.001	0.003	0.002	0.006	0.018	0.005
			A0148091	ASSAY	TB19107716	550.00	551.00	1.00	0.004	0.003	0.001	0.006	0.017	0.005
			A0148092	ASSAY	TB19107716	551.00	552.00	1.00	0.043	0.005	0.001	0.003	0.019	0.004
			A0148093	ASSAY	TB19107716	552.00	553.00	1.00	0.013	0.003	0.002	0.010	0.020	0.005
			A0148094	ASSAY	TB19107716	553.00	554.00	1.00	0.001	0.003	0.003	0.014	0.024	0.006
			A0148095	ASSAY	TB19107716	554.00	555.00	1.00	0.002	0.003	0.004	0.012	0.022	0.005
			A0148096	ASSAY	TB19107716	555.00	556.00	1.00	0.014	0.003	0.004	0.017	0.023	0.005
			A0148097	ASSAY	TB19107716	556.00	557.00	1.00	0.004	0.003	0.002	0.008	0.019	0.005
			A0148098	ASSAY	TB19107716	557.00	558.07	1.07	0.002	0.003	0.001	0.008	0.023	0.006
558.07	559.50	**DIKE-Mafic**	A0148099	ASSAY	TB19107716	558.07	559.50	1.43	0.001	0.003	0.001	0.006	0.008	0.004

558.07 - 559.5m / Mafic dike
Dark gray, fine-grained, mafic dike
Sharp upper ctct, lower ctct is marked by tonalite xeno.

From	To	Lithology
559.50	575.00	**GAB-VBx** 559.50 - 575.00m / Varitexture gabbro breccia Dark green, fine- to medium-grained, massive, varitexture gabbro breccia. Unit follow mafic dike (559.97-566.72m) is fine-grained and could represent a thick interval of breccia matrix or fine-grained gabbro. Following, the gabbro is medium- to coarse-grained. Alteration consists of strong pervasive chl-act. Min is trace to 0.1% Py-Po-Ccp. Common tonalite xenolith.

Sample #	Sample Type	Lab #	From	To	Len	Pd ppm	Pt ppm	Au ppm	Cu %	Co %	Ni %
A0148100	ASSAY	TB19107716	559.50	560.26	0.76	0.002	0.003	0.001	0.006	0.005	0.003
A0148101	ASSAY	TB19107716	560.26	561.00	0.74	0.001	0.003	0.002	0.009	0.015	0.005
A0148102	ASSAY	TB19107716	561.00	562.00	1.00	0.002	0.003	0.002	0.014	0.019	0.006
A0148104	ASSAY	TB19107716	562.00	563.00	1.00	0.002	0.003	0.001	0.008	0.019	0.005
A0148105	ASSAY	TB19107716	563.00	564.00	1.00	0.001	0.003	0.001	0.011	0.018	0.005
A0148106	ASSAY	TB19107716	564.00	565.00	1.00	0.001	0.003	0.002	0.013	0.021	0.005
A0148107	ASSAY	TB19107716	565.00	566.00	1.00	0.003	0.003	0.006	0.018	0.020	0.006
A0148108	ASSAY	TB19107716	566.00	567.00	1.00	0.008	0.003	0.006	0.019	0.027	0.006
A0148109	ASSAY	TB19107716	567.00	568.00	1.00	0.008	0.003	0.007	0.020	0.027	0.006
A0148110	ASSAY	TB19107716	568.00	569.00	1.00	0.007	0.003	0.005	0.011	0.015	0.003
A0148111	ASSAY	TB19107716	569.00	570.00	1.00	0.060	0.012	0.017	0.016	0.026	0.005
A0148112	ASSAY	TB19107716	570.00	571.00	1.00	0.121	0.015	0.012	0.016	0.030	0.005
A0148113	ASSAY	TB19107716	571.00	572.00	1.00	0.067	0.012	0.011	0.017	0.031	0.005
A0148114	ASSAY	TB19107716	572.00	573.00	1.00	0.082	0.011	0.009	0.011	0.025	0.004
A0148115	ASSAY	TB19107716	573.00	574.00	1.00	0.014	0.003	0.004	0.011	0.025	0.005
A0148116	ASSAY	TB19107716	574.00	575.00	1.00	0.099	0.010	0.003	0.009	0.023	0.004

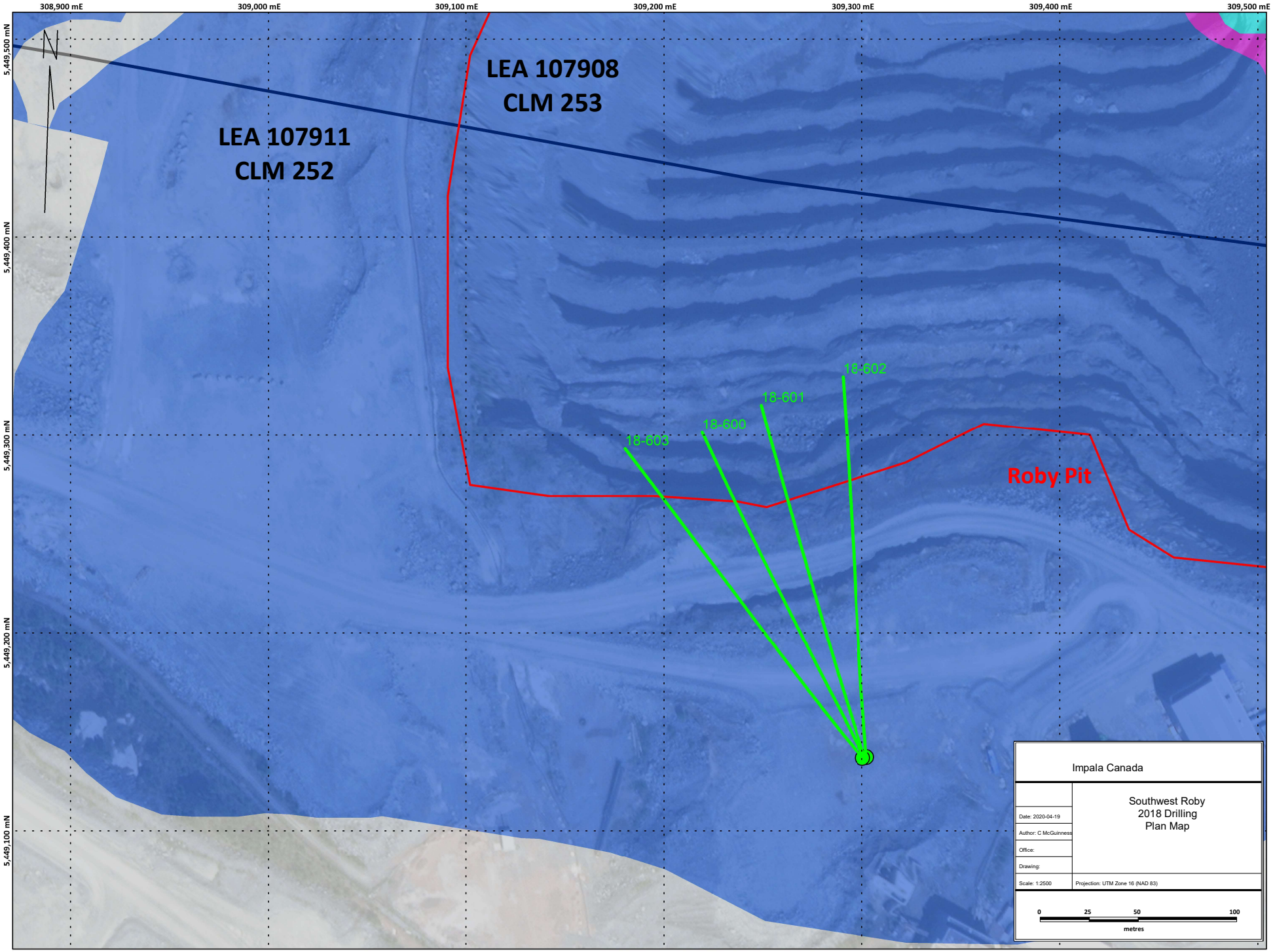
Survey Data

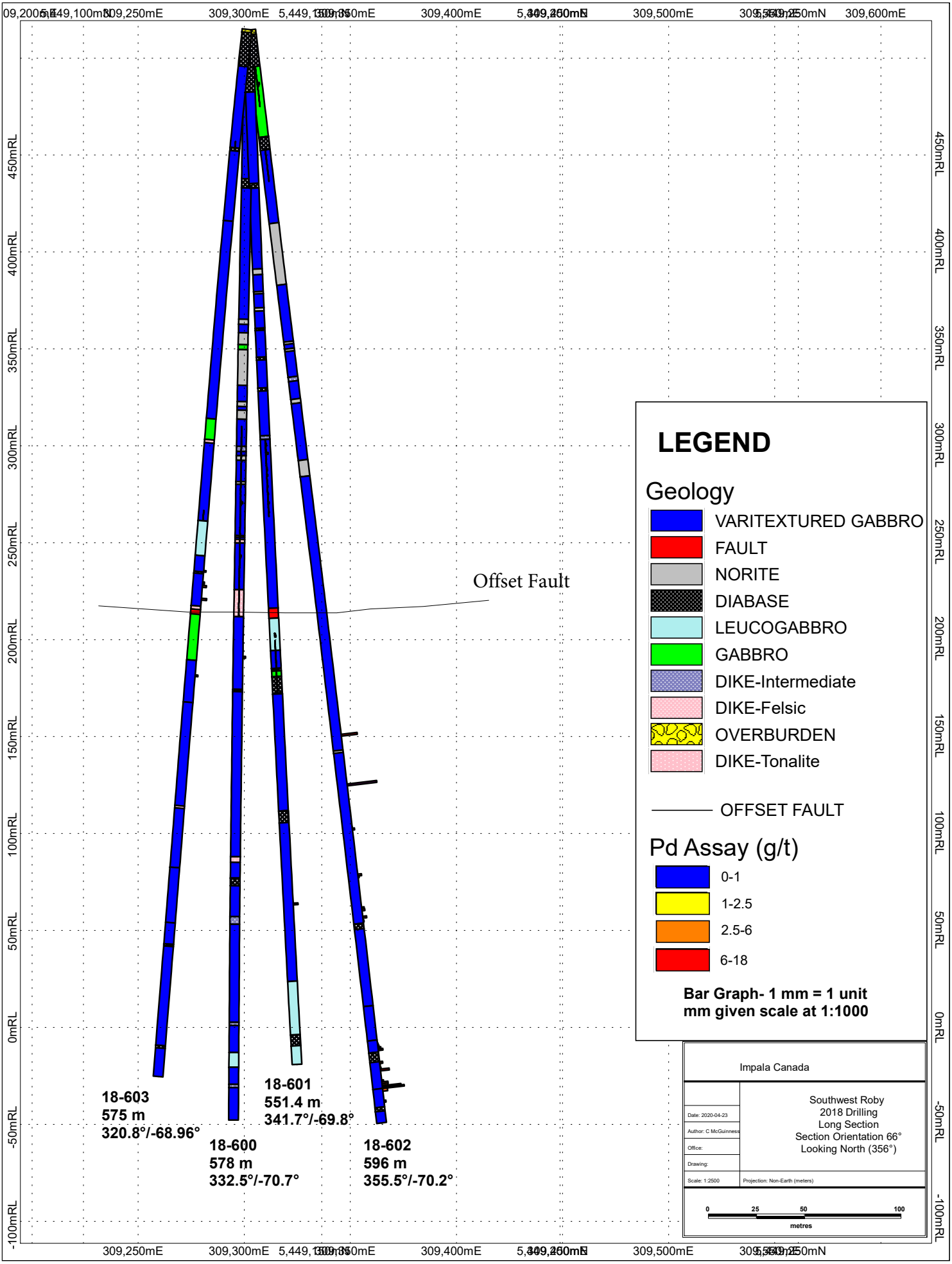
Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	320.00	-68.99	GYRORFLX	O	
5.00	319.78	-69.02	GYRORFLX	O	
10.00	319.70	-69.04	GYRORFLX	O	
15.00	319.83	-69.04	GYRORFLX	O	
20.00	320.40	-69.05	GYRORFLX	O	
25.00	320.07	-69.05	GYRORFLX	O	
30.00	320.06	-69.02	GYRORFLX	O	
35.00	320.28	-69.04	GYRORFLX	O	
40.00	320.49	-69.08	GYRORFLX	O	
45.00	320.96	-69.15	GYRORFLX	O	
50.00	321.40	-69.13	GYRORFLX	O	
55.00	321.35	-69.10	GYRORFLX	O	
60.00	321.27	-69.13	GYRORFLX	O	
65.00	321.39	-69.20	GYRORFLX	O	
70.00	321.61	-69.21	GYRORFLX	O	
75.00	321.57	-69.21	GYRORFLX	O	
80.00	321.75	-69.23	GYRORFLX	O	
85.00	321.77	-69.22	GYRORFLX	O	
90.00	322.01	-69.30	GYRORFLX	O	
95.00	322.13	-69.28	GYRORFLX	O	
100.00	322.10	-69.24	GYRORFLX	O	
105.00	322.11	-69.26	GYRORFLX	O	
110.00	322.12	-69.28	GYRORFLX	O	
115.00	322.11	-69.28	GYRORFLX	O	
120.00	321.96	-69.31	GYRORFLX	O	
125.00	322.35	-69.41	GYRORFLX	O	
130.00	322.75	-69.52	GYRORFLX	O	
135.00	322.74	-69.55	GYRORFLX	O	
140.00	322.79	-69.57	GYRORFLX	O	
145.00	322.60	-69.56	GYRORFLX	O	
150.00	322.67	-69.56	GYRORFLX	O	
155.00	322.78	-69.58	GYRORFLX	O	
160.00	322.73	-69.64	GYRORFLX	O	
165.00	322.72	-69.66	GYRORFLX	O	
170.00	322.60	-69.71	GYRORFLX	O	
175.00	322.73	-69.75	GYRORFLX	O	
180.00	322.75	-69.77	GYRORFLX	O	

185.00	322.86	-69.82	GYRORFLX	O
190.00	322.89	-69.83	GYRORFLX	O
195.00	322.85	-69.82	GYRORFLX	O
200.00	323.05	-69.86	GYRORFLX	O
205.00	323.03	-69.84	GYRORFLX	O
210.00	323.09	-69.89	GYRORFLX	O
215.00	322.94	-69.89	GYRORFLX	O
220.00	322.88	-69.88	GYRORFLX	O
225.00	322.95	-69.94	GYRORFLX	O
230.00	322.94	-69.97	GYRORFLX	O
235.00	323.06	-69.96	GYRORFLX	O
240.00	323.12	-69.96	GYRORFLX	O
245.00	323.09	-70.00	GYRORFLX	O
250.00	322.96	-69.94	GYRORFLX	O
255.00	323.08	-69.94	GYRORFLX	O
260.00	323.21	-69.96	GYRORFLX	O
265.00	323.24	-69.89	GYRORFLX	O
270.00	323.22	-69.85	GYRORFLX	O
275.00	323.24	-69.84	GYRORFLX	O
280.00	323.33	-69.85	GYRORFLX	O
285.00	323.27	-69.88	GYRORFLX	O
290.00	323.36	-69.86	GYRORFLX	O
295.00	323.26	-69.87	GYRORFLX	O
300.00	323.18	-69.88	GYRORFLX	O
305.00	323.23	-69.91	GYRORFLX	O
310.00	323.21	-69.90	GYRORFLX	O
315.00	323.29	-69.96	GYRORFLX	O
320.00	323.09	-69.93	GYRORFLX	O
325.00	323.08	-69.98	GYRORFLX	O
330.00	322.89	-70.02	GYRORFLX	O
335.00	322.91	-69.98	GYRORFLX	O
340.00	322.81	-70.00	GYRORFLX	O
345.00	322.84	-69.99	GYRORFLX	O
350.00	322.66	-70.00	GYRORFLX	O
355.00	322.90	-70.02	GYRORFLX	O
360.00	322.91	-70.02	GYRORFLX	O
365.00	322.80	-70.04	GYRORFLX	O
370.00	322.88	-70.07	GYRORFLX	O
375.00	322.77	-70.08	GYRORFLX	O
380.00	322.90	-70.11	GYRORFLX	O

385.00	322.87	-70.14	GYRORFLX	O
390.00	322.93	-70.16	GYRORFLX	O
395.00	323.09	-70.18	GYRORFLX	O
400.00	323.12	-70.28	GYRORFLX	O
405.00	323.29	-70.42	GYRORFLX	O
410.00	323.14	-70.51	GYRORFLX	O
415.00	323.11	-70.45	GYRORFLX	O
420.00	323.13	-70.48	GYRORFLX	O
425.00	323.01	-70.52	GYRORFLX	O
430.00	322.87	-70.54	GYRORFLX	O
435.00	322.92	-70.57	GYRORFLX	O
440.00	322.96	-70.56	GYRORFLX	O
445.00	323.06	-70.57	GYRORFLX	O
450.00	323.05	-70.57	GYRORFLX	O
455.00	323.06	-70.59	GYRORFLX	O
460.00	322.98	-70.58	GYRORFLX	O
465.00	322.78	-70.63	GYRORFLX	O
470.00	322.64	-70.63	GYRORFLX	O
475.00	322.77	-70.74	GYRORFLX	O
480.00	322.82	-70.70	GYRORFLX	O
485.00	322.91	-70.71	GYRORFLX	O
490.00	322.98	-70.72	GYRORFLX	O
495.00	322.80	-70.75	GYRORFLX	O
500.00	322.81	-70.77	GYRORFLX	O
505.00	322.78	-70.81	GYRORFLX	O
510.00	322.53	-70.78	GYRORFLX	O
515.00	322.62	-70.73	GYRORFLX	O
520.00	322.72	-70.76	GYRORFLX	O

Appendix C: Drill plan and cross sections


308,900 mE
309,000 mE
309,100 mE
309,200 mE
309,300 mE
309,400 mE
309,500 mE
5,449,500 mN
5,449,400 mN
5,449,300 mN
5,449,200 mN
5,449,100 mN
LEA 107908
CLM 253
LEA 107911
CLM 252
18-602
18-601
18-600
18-603
Roby Pit
Impala Canada
Southwest Roby
2018 Drilling
Plan Map
Date: 2020-04-19
Author: C McGuinness
Office:
Drawing:
Scale: 1:2500
Projection: UTM Zone 16 (NAD 83)
0
25
50
100
metres


309,250mE
309,300mE
309,350mE
309,400mE
309,500mE
309,600mE
450mRL
400mRL
350mRL
300mRL
250mRL
200mRL
150mRL
100mRL
50mRL
0mRL
-50mRL
-100mRL
Offset Fault
18-603
575 m
320.8°/-68.96°
18-601
551.4 m
341.7°/-69.8°
18-600
578 m
332.5°/-70.7°
18-602
596 m
355.5°/-70.2°
LEGEND
Geology
VARITEXTURED GABBRO
FAULT
NORITE
DIABASE
LEUCOGABBRO
GABBRO
DIKE-Intermediate
DIKE-Felsic
OVERBURDEN
DIKE-Tonalite
OFFSET FAULT
Pd Assay (g/t)
0-1
1-2.5
2.5-6
6-18
Bar Graph- 1 mm = 1 unit
mm given scale at 1:1000
Impala Canada
Southwest Roby
2018 Drilling
Long Section
Section Orientation 66°
Looking North (356°)
Date: 2020-04-23
Author: C McGuinness
Office:
Drawing:
Scale: 1:2500
Projection: Non-Earth (meters)
0
25
50
100
metres

Appendix D: Assay Certificates

Appendix E: Rock Codes

Lithology Code	Rock Name	Mineral Code	Mineral Name	Alteration Code	Alteration Name	Mineralization Code	Mineralization Style Name
ANOR	Anorthosite	**Bio/Bt**	Biotite	**Act**	Actinolite	**Bl**	Blebby
DIKE	Dike	**Cpx**	Clinopyroxene	**Cal**	Calcite	**Cg**	Coarse-grained
EGAB	Equigranular Gabbro	**Cpy/Cp/Ccp**	Chalcopyrite	**Carb**	Carbonate	**Diss**	Disseminated
GAB	Gabbro	**Mt/Mag**	Magnetite	**Chl**	Chlorite	**Fc**	Fracture Controlled
GAB-Bx/GABBX	Brecciated Gabbro	**Ol**	Olivine	**Ep**	Epidote	**Ff**	Fracture filling
GABMG	Medium-grained Gabbro	**Opx**	Orthopyroxene	**Fe**	Iron	**Fg**	Fine-grained
GAB-Vt/GABVT	Varitextured Gabbro	**Plag/Plg**	Plagioclase	**Hem**	Hematite	**Int**	Interstitial
GBNR	Gabbronorite	**Po/Pyrr**	Pyrrhotite	**K**	Potassium	**Mg**	Medium-grained
LC	Lost Core	**Py/Pyr**	Pyrite	**Na**	Sodium	**Min**	Mineralization
LGAB	Leucogabbro	**Pyx/Pxn**	Pyroxene	**Ox**	Oxide	**Mod**	Moderate
MBI	Mine Block Intrusion	**Qtz**	Quartz	**Sel**	Selective	**Pheno**	Phenocryst
MNOR	Melanorite			**Serp**	Serpentine	**Slvg**	Selvage
NLDI	North Lac des Iles			**Sil**	Silica	**Tr**	Trace
NOR	Norite			**Spv**	Semi-pervasive	**Vc**	Vein controlled
NOR-Vt	Varitextured Norite			**Trem**	Tremolite	**Vcg**	Very coarse-grained
OB	Overburden					**Vfg**	Very fine-grained
PER	Peridotite					**Vh**	Vein hosted
PYXT	Pyroxenite					**Wk**	Weak
QDIOR	Quartz Diorite						
TON	Tonalite						
WEB	Websterite						

Structure Style	Structure Style Name
Aph	Aphanitic
Bx	Brecciated
Cnt	Contact
Dtca	Degrees to core axis
Fol	Foliation
Lc/Lct	Lower contact
Peg	Pegmatitic
Sbpl	Subparallel
Uc/Uct	Upper contact
Ve	Vein
Vl/vlnt	Veinlet
Vt	Varitextured
Xcut	Crosscut