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iMETAL RESOURCES INC

DIAMOND DRILL EXPLORATION PROGRAM JAN-FEB 2019

GOWGANDA WEST GOLD PROJECT

DIAMOND DRILL LOGS AND ASSAY RESULTS

TYRRELL TOWNSHIP – LARDER LAKE MINING DIVISION

NTS 41P NE - 41P/10

Latitude: 47°34'N, Longitude: 80°57' W.

A. P. DAVID GAMBLE P.GEO
October 21, 2020

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SUMMARY

iMetal Resources Inc. carried out a diamond drill exploration program during the period January 30, 2019 through to February 18, 2019 on mining claims held in Tyrrell Township, District of Timiskaming, Larder Lake Mining Division, NTS 41P/10 within NTS 41P/NE.

The work program that is being reported upon consists of a 5 NQ core sized diamond drill holes totaling 1258 meters, along with a total of 812 gold assay results of saw cut half core that covered intervals totaling 572.85 meters. The work was conducted on mining lands identified as the Gowganda West Gold Project located 90 kilometers southwest of Kirkland Lake, Ontario. The diamond drilling work was performed by the contract diamond drilling company Laframbroise Drilling Inc. out of Earlton, Ontario. All cut core sample intervals were assayed by Activation Laboratories (Actlabs) at their sample preparation and assay laboratory facility in Timmins, Ontario. All drilling and assay work was performed for iMetal Resources Inc., located at 510-580 Hornby Street, Vancouver, B.C. V6C 3B6.

The field management and field supervision was performed and carried out by Mr. Tom O'Conner, and by geological consultant Mr. Dave Gamble, P.Geo and Qualified Person from Dave Gamble Geoservices Inc. All work performed for and on behalf of iMetal Resources Inc. There were 22 field days spent in the field in order to monitor the progress of the drilling phase and also 7 days to transport all core to the logging and core storage facility at 31 Duncan Avenue North, Kirkland Lake, Ontario. Mr. Dave Gamble, P.Geo and Qualified Person (Q.P.) for this project was also requested to propose the drill hole site locations, and to lay out and spot the drill hole collar locations, and to carry out all logging and related duties for all the diamond drill holes in this early 2019 drill program.

The objective of this initial first phase of diamond drilling was to drill test a previously untested area with the surface gold mineralized showings identified as the Zone 1 - South Area that is located in southern Tyrrell Township, NTS 41P/10. These showings were initially discovered during the previous several years summer programs of surface prospecting and sampling programs by iMetal Resources Inc. prior to this initial 2019 drilling program on this property. The showings on Zone 1 - South Area occurs 500 meters south of the Zone 1 - North Area that lies proximal to the common north property boundary to the adjoining property to the north that hosts the Juby Gold Deposit. The Juby Gold Project gold deposit is extremely significant due to its nearby location that is in such close proximity and next to bordering the iMetal Resources Inc property known as the Gowganda West Gold Project. The technical report on the 'Updated Mineral Resource Estimate for the Juby Gold Project', a NI 43-101 compliant gold resource report for Temex Resources Corp (after Campbell et al., 2014), has estimated the following resources utilizing a cut-off grade of 0.40 g/t gold. The Total Resource Summary for the Juby gold deposit is reported to contain 4M ounces of gold with an indicated resource stated as 1,090,400 ounces of gold from 26.6 million tonnes at a grade of 1.28 g/t gold, and a total of 2,908,800 ounces of gold in 96.2 million tonnes at a grade of 0.94 g/t gold in the inferred category. Currently in a press release dated May 21, 2020 Caldas Gold Corp. has recently entered into an agreement to acquire the Juby Gold Project property.

The iMetal Resources Inc objective as clearly stated for this initial drill testing program on their Gowganda West Gold Project mining lands is to carry out further exploration on their non drill

tested Zone 1 – South Area and to discover additional and/or significant gold mineralization below the surface showings. It is especially important due to the close proximity to the known Juby Gold Deposit and other significant exploration holes on the Juby Gold Project property proximal to the common property boundary with iMetal Resources Inc.

This Gowganda West Gold Project property is located approximately 17 kilometers west-southwest of the town of Gowganda, Ontario and can be easily is reached traveling west via Highway # 560 and then south on the Spear Lake forest access road. This access road provides a network of active logging gravel roads capable of handling logging truck traffic and access to bush tertiary tote roads and trails that provides excellent access to the much of the property area that has been actively timbered off and left as clear cut blocks.

All 5 drill sites are located within a timbered out clear cut block area with good road access to the drill site locations. Two of the drill sites were along side the road access within the clear cut area and three sites were in the clear cut area and proximal to and with off road access. All five drill sites are in close proximity to one another in the clear cut area and all drill sites were left in a clean order. All diamond drill hole casings were left in for the potential future use in either deepening the holes and /or for conducting down hole geophysics surveys if warranted. Each casing pipe was capped with a screw cap to preserve the holes for potential future use.

Geographical points of latitude and longitude were acquired from the Ontario Ministry of Natural Resources, Transverse Mercator Projection map sheet N.T.S. 41P/NE Elk Lake, Provincial Series, 1: 100,000.
The co-ordinate system used to locate the area with the surface gold mineralized showings and proposed diamond drill work area and the hole collars were initially located due to winter snow conditions in January and February with several hand-held Garmin GPS units using the Zone 17, North American Datum NAD 83. During early August 2019 all five 5 drill hole casings were followed up and surveyed at ground level with more precise accuracy using the Trimble Model R8 differential GPS System. The control for this system was established using a series of MTO Survey Monuments (Ministry of Transportation of Ontario) obtained near the property and along Highway # 560.

Summary of Results:
1) The Zone 1 - South Area surface gold showings were drill tested with 5 NQ sized diamond drill holes totaling 1,258 meters as the initial first phase of drill testing by iMetal Resources Inc on their Gowganda West Gold Project property.

2) All drill holes intersected the Archean aged Indian Lake Group (I.L.G) clastic meta-sedimentary lithologies including mudstone, arenite and conglomerate that have been intruded by comagmatic intermediate composition weak porphyritic chlorite after hornblende aplitic dikes and by felsic composition feldspar +/- quartz porphyry dikes. Early Proterozoic narrow Matachewan diabase dikes with finely disseminated magnetite and exhibiting a moderate to strong magnetic signature cut the meta-sedimentary lithological sequence locally.
The most recent geochronological age dating (Ayers et al 2013) for the meta-sedimentary succession and comagmatic intermediate and felsic dikes indicates the I.L.G. is 2690-2680 Ma,

and is Archean aged, and therefore belongs within the Porcupine Assemblage, within the Abitibi Greenstone Belt in Ontario.

3) The I.L.G. meta-sedimentary conglomerate that is seen in much of the drill core exhibits spectacular bright red to maroon red jasper grit, granules, pebbles to coarse boulders that are also very commonly found in the slightly younger Timiskaming Assemblage 2676-2670 Ma. These red jasper pebble and cobble bearing conglomerate lithologies are commonly present and occurs within the regions where there are major gold camps such as in Kirkland Lake and Timmins Ontario, and as well in other gold locations in Ontario and Quebec.

4) The I.L.G. meta-sedimentary sequence in all 5 drill holes also exhibits sections of drill core with moderate to strong hydrothermal alteration that varies from short less than 2 meter intervals up to much longer core length intervals from 2 to greater than 30 meter intervals. The hydrothermal alteration consists of pervasive bleaching and silicification, local reddening from hematization, wispy flecks and filaments and lamellae of yellow beige sericite, minor fuchsitic sericite imparting a ‘green carbonate’ alteration locally, ankerite veinlets, chlorite healed micro-fractures and stringers, quartz stringers and veinlets, quartz ankerite stringers and veinlets, and locally pervasive interstitial calcite and calcite stringers. Peripheral to the moderate to strong hydrothermal alteration zones is a flanking and more distal weaker alteration zone that consist predominantly of calcite stringers and veinlets as well as locally pervasive to patchy interstitial calcite, and locally weak patches and stringers of epidote.

5) All 5 drill holes carry variable gold mineralization as seen in the assay data that appears to be associated with very fine grained disseminated trace-5% pyrite and with occasional trace chalcopyrite locally. This mineralization occurs within all of the meta-sedimentary lithologies and especially within sections that exhibit strong pervasive hydrothermal alteration.

6) Assay results indicate that the gold mineralization encountered to date appears to be associated within an extensive large near surface hydrothermal alteration within a pyrite gold bearing mineralizing system.
The nature of the I.L.G. meta-sedimentary lithological sequence appears to have provided a most favorable host rock lithological sequence as an environment for a gold bearing fluids and an extensive hydrothermal alteration system to develop and become well established. As a result there are extensive core lengths of hydrothermally altered Indian Lake Group meta-sedimentary lithologies with fine grained disseminated 1-5% pyrite and geochemically anomalous to low grade gold mineralization. Within the I.L.G. stratigraphic sequence the coarse pebble to boulder polymictic conglomerate is a most favourable host rock to exhibit a moderate to strong extensive alteration. This pebble to boulder polymictic conglomerate is characterized by the presence of bright red and maroon jasper clasts. In addition, this polymictic conglomerate appears to have acted as a superb permeable and porous favorable host rock for the migration of hydrothermal fluids causing the pervasive alteration and eventual deposition of disseminated pyrite as can be readily and visually seen geologically in the drill core. The significant geological result is that the anomalous gold assay results occur within sections of hydrothermal alteration I.L.G. meta-sedimentary lithologies and are associated with fine grained disseminated pyrite and are within the Zone 1 - South Area sampled drill core.

7) A total of 737 sample intervals totaling 572.85 meters of core were diamond saw cut and the one-half portion of each interval of the halved core were assayed for gold by Activation Laboratories (Actlabs) at their Timmins Ontario sample prep and assay laboratory facility. The remaining halved core is retained in the iMetal Resources Inc core storage facility for a permanent core storage record.
For internal and external quality control and assurance a total of 34 standards and 41 blanks were also inserted and included into the sample stream within each core batch that were submitted and assayed for gold. A total of 812 assays are reported in the total assay data set that includes all split core, standards and blanks. All standards and blanks were determined and placed into the sample set by the author on behalf of iMetal Resources Inc.

9) The results from extensive sampling and gold assaying from all 5 drill holes tested from the Zone 1 - South Area have returned both locally short core length intervals as well longer extensive core length intervals of geochemically anomalous to low grade gold mineralization. Some of noteworthy and significant intersections greater than 0.2 gm /tonne Au are highlighted below in several of the holes drilled. Especially noteworthy are some extensive core length intervals with grams/tonne gold (g/t Au) intersections (in bold) as seen in DDH IMGW-19-01 and in DDH IMGW-19-04 below.

IMGW-19-01
0.56 g/t Au over 7.1 m at 118.4-125.5 m
0.84 g/t Au over 4.0 m at 135.0-139.0 m
2.95 g/t Au over 2.5 m at 141.5-144.0 m
0.29 g/t Au over 9.0 m at 175.0-184.0 m
0.37 g/t Au over 29.4 m at 191.0-220.4 m

IMGW-19-02
0.42 g/t Au over 4.65 m at 119.35-124.0 m

IMGW-19-03
0.53 g/t Au over 1.0 m at 40.0-41.0 m
0.12 g/t Au over 6.0 m at 163.0-169.0 m
1.55 g/t Au over 0.9 m at 219.0-219.9 m

IMGW-19-04
1.07 g/t Au over 6.65 m at 89.35-96.0 m
0.32 g/t Au over 30.25 m at 165.4-195.65 m
0.41 g/t Au over 19.5 m at 202.0-221.5 m
0.68 g/t Au over 6.5 m at 223.5-230.0 m

IMGW-19-05
0.20 g/t Au over 7.75 m at 50.0-57.75 m
0.71 g/t Au over 1.0 m at 98.0-99.0 m
1.43 g/t Au over 4.6 m at 102.0-106.6 m

Summary of Conclusions:
The main conclusion from this first phase initial diamond drilling exploration program of 5 holes totaling 1258 meters to test surface gold showings by iMetal Resources Inc on the Gowganda West Gold Project has resulted in a very successful program that has produced both positive geological and assay results to date. The geological and assay results encountered within the favourable porous and permeable meta-sedimentary sequence of the Indian Lake Group, Porcupine Assemblage, also demonstrates that the gold is associated with fine grained disseminated pyrite that is within an extensive large near surface hydrothermal alteration system.

Summary of Recommendations:
Based on receiving these initial drill results it was recommended at the time that a surface cut grid be established to cover a larger area to adequately cover the showings and extensions of these showings of Zone 1 - South and North areas in Tyrrell and also southward into Leonard Township.
Once a surface control grid is established over Zone 1 grid area it is further recommended that a follow-up Induced Polarization Survey be conducted by Abitibi Geophysics using their Ore Vision I.P. system to identify anomalous chargeability and resistivity targets for follow up drill testing.

It should be noted that this initial drilling at Zone 1 - South Area did not have the benefit of the results from a helicopter-borne geophysical survey VTEM Plus (Versatile Time Domain Electromagnetic (VTEM Plus) and Horizontal Magnetic Gradiometer survey) flown in December 2018 by Geotech Ltd. over the Gowganda West Gold Project for iMetal Resources Inc. The results and report of the VTEM Survey was received post drilling (April 2019) and a number of airborne targets were located along trends to the east, to the west and to the south of Zone 1 areas. All of the VTEM targets were recommended for ground follow-up prospecting and surface sampling in order to ground proof the VTEM geophysical anomalous responses within those areas for potential of follow-up ground geophysical I.P. surveys in order to accurately locate and develop targets for future drill testing.

In addition, it should also be noted that this initial drilling at Zone 1 - South area did not have the benefit of the results from the establishment of a surface control grid with a ground follow-up Induced Polarization Survey that was conducted by Abitibi Geophysics using their Ore Vision I.P. system in July-August 2019 in order to identify anomalous chargeability and resistivity targets for follow up drill testing. The Abitibi Geophysics Ore Vision I.P. report was received in early October 2019 with numerous ground geophysical I.P. identified and recommended targets for follow up drill testing throughout the surveyed areas.

INTRODUCTION

iMetal Resources Inc. conducted a diamond drill exploration program during the period starting January 30, 2019 through to and ending on February 18,2019 on mining claims held in Tyrrell Township, District of Timiskaming, within the Larder Lake Mining Division, NTS 41P/10 that is within NTS 41P/NE. The work was conducted on iMetal Resources Inc. mining claims with the project identification as the Gowganda West Gold Project. The work program that is being reported upon consists of a 5 NQ sized diamond drill holes totaling 1258 meters, along with a total of 812 gold assay results from intervals totaling 572.85 meters of sampled drill core.

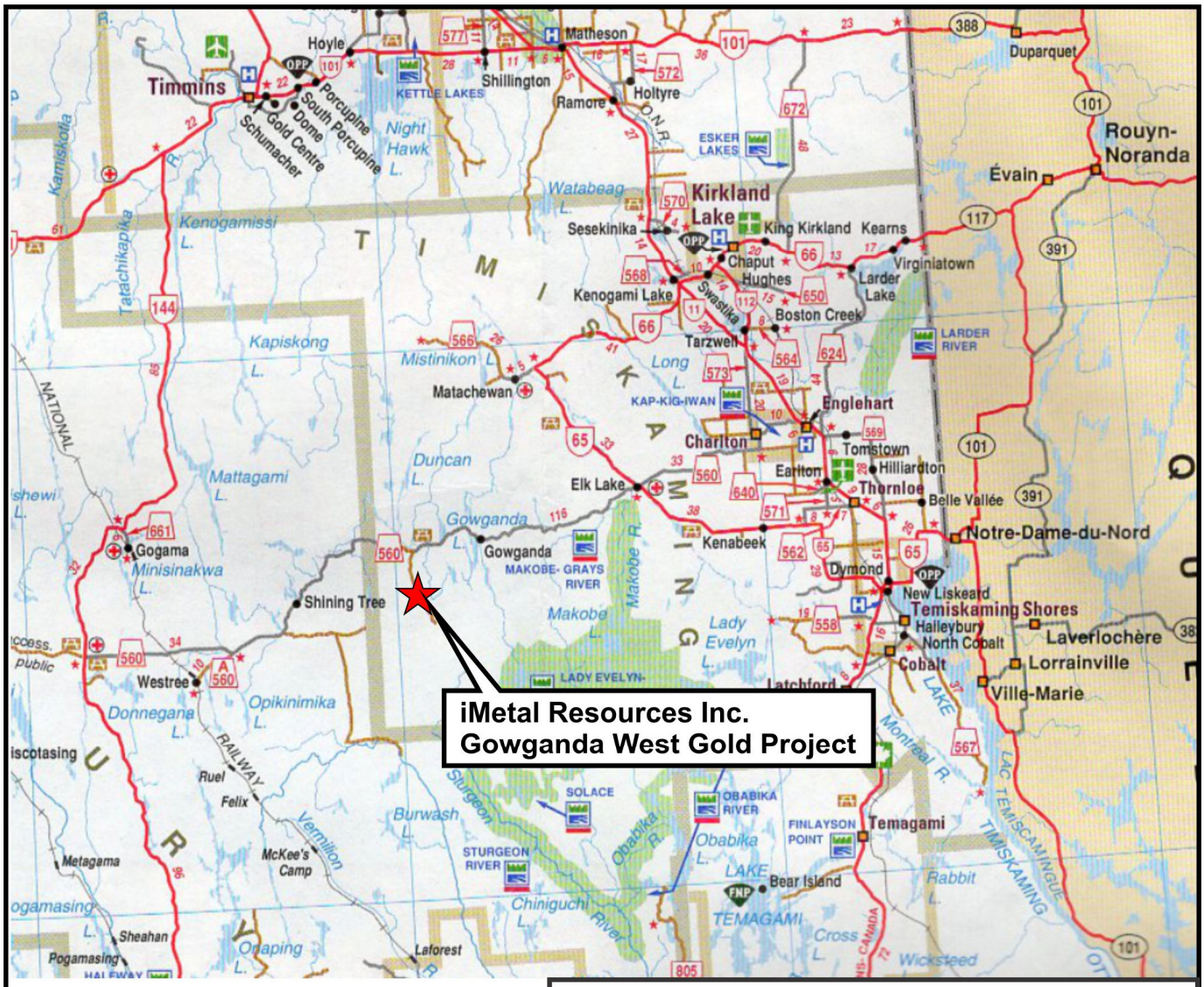
The field management and field supervision was performed and carried out by Mr. Tom O'Conner field manager and prospector, and by geological consultant Mr. Dave Gamble, P.Geo from Dave Gamble Geoservices Inc and Qualified Person (Q. P.) for this project. As the geological consultant to this project the duties included the proposing of the drill hole site locations and laying out and spotting of the drill hole sites, in addition was responsible in carrying out all related logging duties for all 5 diamond drill holes and laying out of all assay intervals for gold assaying, and also to provide the professional guidelines for quality assurance and quality control (QA &QC) during the project that also included the preparation of this drill program assessment report. As author of this assessment report and P.Geo and Q.P. for the project all work was performed for and on behalf of iMetal Resources Inc. located at 510-580 Hornby Street, Vancouver, B.C. V6C 3B6.

As the author of this report the diamond drilling program was carried out in a responsible manner with the protocol to maintain quality assurance and quality control for the project. All the core handling, the logging process, all sampling procedures, and as well as the security of all logging information and all assay data results were strictly adhered to until actually reported to the public in corporate news releases by iMetal Resources Inc. Secondly, it was necessary to prepare this report on all results from this drilling program for the purpose of this assessment report that includes production all necessary graphics, and plan map and drill sections for the drill holes in this program. This report describes the results of this drill program and assay results for assessment purposes.

LOCATION
The Gowganda West Gold Project and mining lands property area held by iMetal Resources Inc. is located approximately 17 kilometers west-southwest of the town of Gowganda, Ontario, and is also approximately 90 kilometers southwest of the town of Kirkland Lake, Ontario, see **Figure 1. Property Location Regional Road Map**.

Geographical points of latitude and longitude were acquired from the Ontario Ministry of Natural Resources, Transverse Mercator Projection map sheet N.T.S. 41P/NE Elk Lake, Provincial Series, 1: 100,000.
The Gowganda West Gold Project property is located on NTS 41P/10 located within N.T.S. 41P/NE and is centered on Latitude: 47°35' North and by Longitude: 80°57' 43'' West; and by UTM coordinates (NAD 83, ZONE 17) for the cluster of 5 drill holes using the casing location of DDH # IMGW-19-01 of 5270094.6 mN, of 502813.8m E, and at 363.1m elevation above sea level.

The mining lands on which the actual drilling work was performed on is located in southern part of Tyrrell Township, and located on numbered single cell mining claims held under option to iMetal Resources Inc with mining claim numbers of 320391, 133802, and 206674 on the Provincial Grid system.



iMetal Resources Inc	
Property Location Regional Road Map Gowganda West Gold Project	
Dave Gamble Geoservices Inc August, 2020	Figure 1

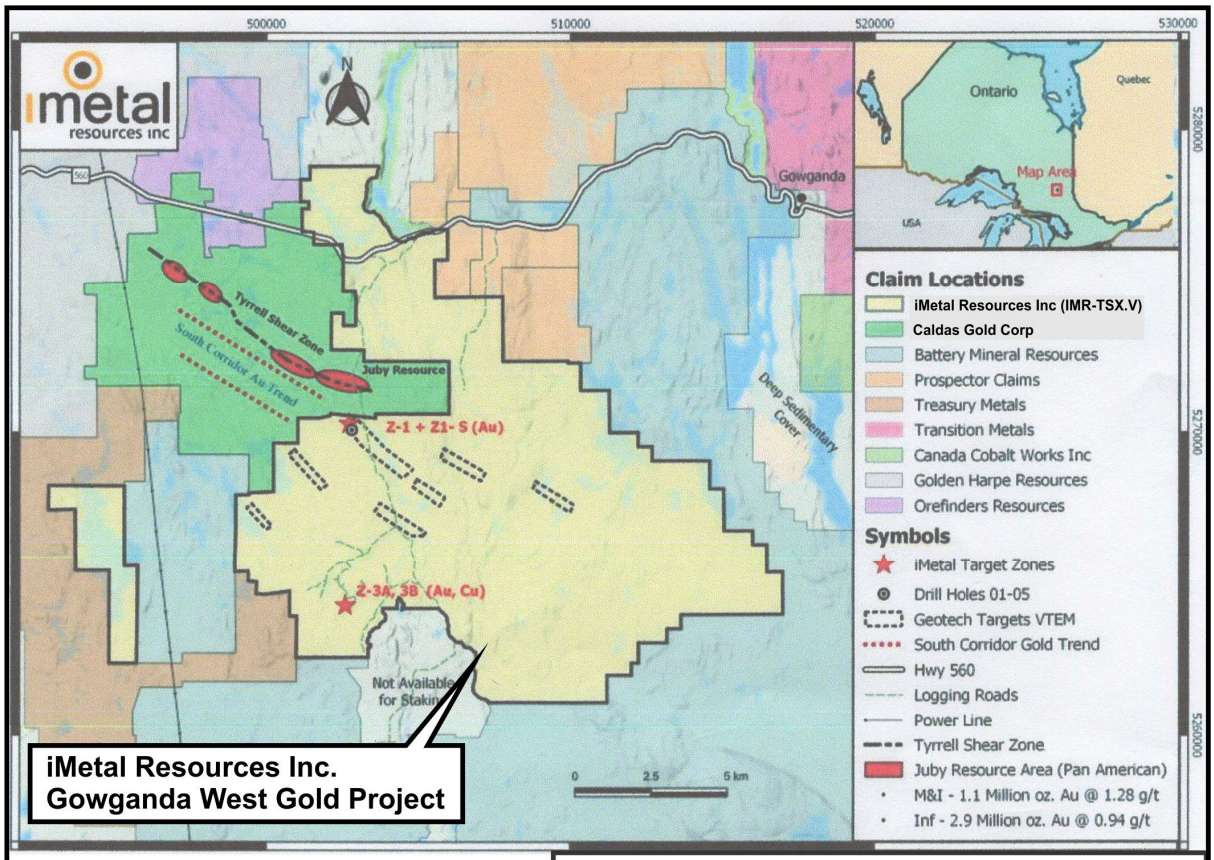
ACCESS

Access to the Gowganda West Gold Project property is gained via traveling west for 13.0 kilometers on the paved Highway # 560 from Gowganda, Ontario where at this point the Spear Lake forest access road turnoff is located and leads south through the northern part of the claim block that provides access to the southern limits of the property. The Spear Lake gravel road leads south from the highway # 560 leads through both Tyrrell and Leonard Townships and provides excellent access to the Gowganda West Gold Project area, see **Figure 2. Property Boundaries & Local Infrastructure Map**. The Spear Lake forest penetration road is currently used and is well maintained by the currently active logging companies in the region and also provides access to the numerous side roads leading to the areas of timbering operations. The series of side gravel roads leading off of the Spear Lake main access road provides access to the old cut block areas and to the active logging areas while also providing excellent access to locations for mineral exploration activities.

A side road leading westerly near the 7 kilometer road marker on the Spear Lake road leads westerly for 0.6 kilometers into a cut block area provides an excellent driveable access road to the current drill site area. Two of the 5 drill holes are alongside this access road that lies within a large cut block logged area, while the other 3 drill holes are very close by and also within the clear cut areas and with tote road access, **see Figure 3, North and South Areas Detail Grid Map.** This map also shows the UTM grid fabric, surface cut grid layout fabric (established July 2019), detailed road access, topographic elevation contours, small lakes and adjoining creeks. In addition this map also details the iMetal Resources property boundary, single cell numbers, boundary between Tyrrell and Leonard Townships, the North and South showing areas, and the Jan-Feb 2019 diamond drill site locations.

Forestry maps available for location planning and access control purposes were obtained from the Timiskaming Management Unit as the source for maps showing the both the still active historical roads as well as the recent and planned up to date active logging access roads planned for the 2019-2020 Annual Work Schedule. The two Map Sheets # 17 5000 52700 and # 17 5000 52600 at 1:20,000 scale that were utilized for showing all bush and logging road locations are in Zone 17 and NAD 83, cover the areas of road access in eastern Tyrrell and western Milner, and eastern Leonard and western Leith townships respectively.

The topography of Zone 1 North and South Areas consists of low to moderate relief with elevations ranging from 360 to 390 meters above sea level. The grid 1 area exhibits knobby hills to ridges of bedrock while the lower elevations are generally flat to gently rolling and exhibit sparse scattered outcrop areas and generally covered by glacial overburden predominantly as tills with some local sand and sparse gravel deposits locally. On the east side of Grid 1 there is a low wet area that has several small ponds and small lakes with adjoining small creeks that are trending in a north-south orientation. A small lake called Slim Lake is located on the property immediately east of the north-south Spear Lake road and east of Grid 1. A small pond and creek system occurs on the west side of the Grid 1 and is also in a north-south orientation.
It should be noted that the Grid 1 was established in the summer of 2019 for ground control for the Induced Polarization ground geophysical surveys that took place well after the drilling phase that was completed earlier in the year during Jan-Feb 2019.

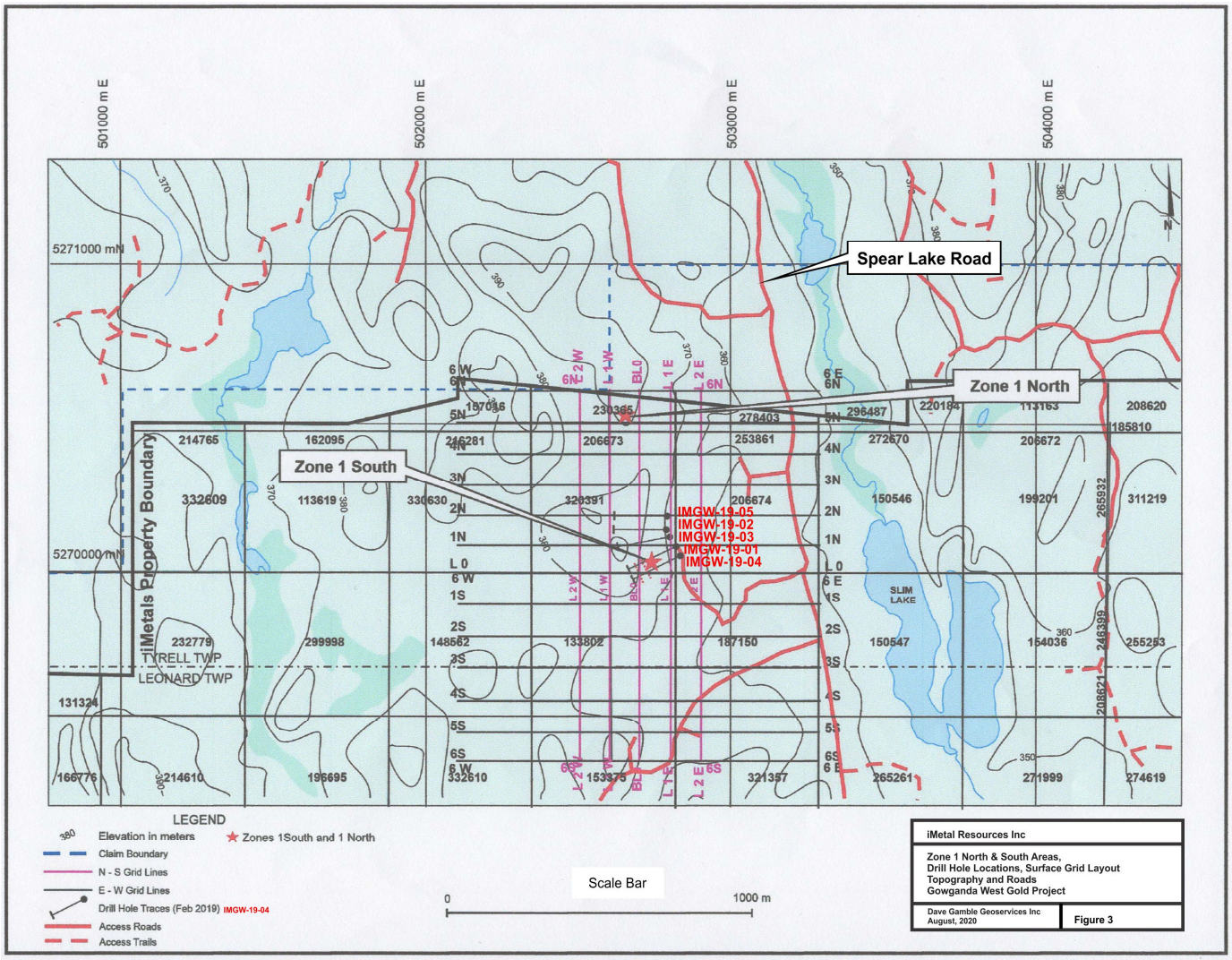


iMetal Resources Inc

Property Boundaries and Local Infrastructure Map
Gowganda West Gold Project

Dave Gamble Geoservices Inc
August, 2020 (revised Aug. 2020)

Figure 2

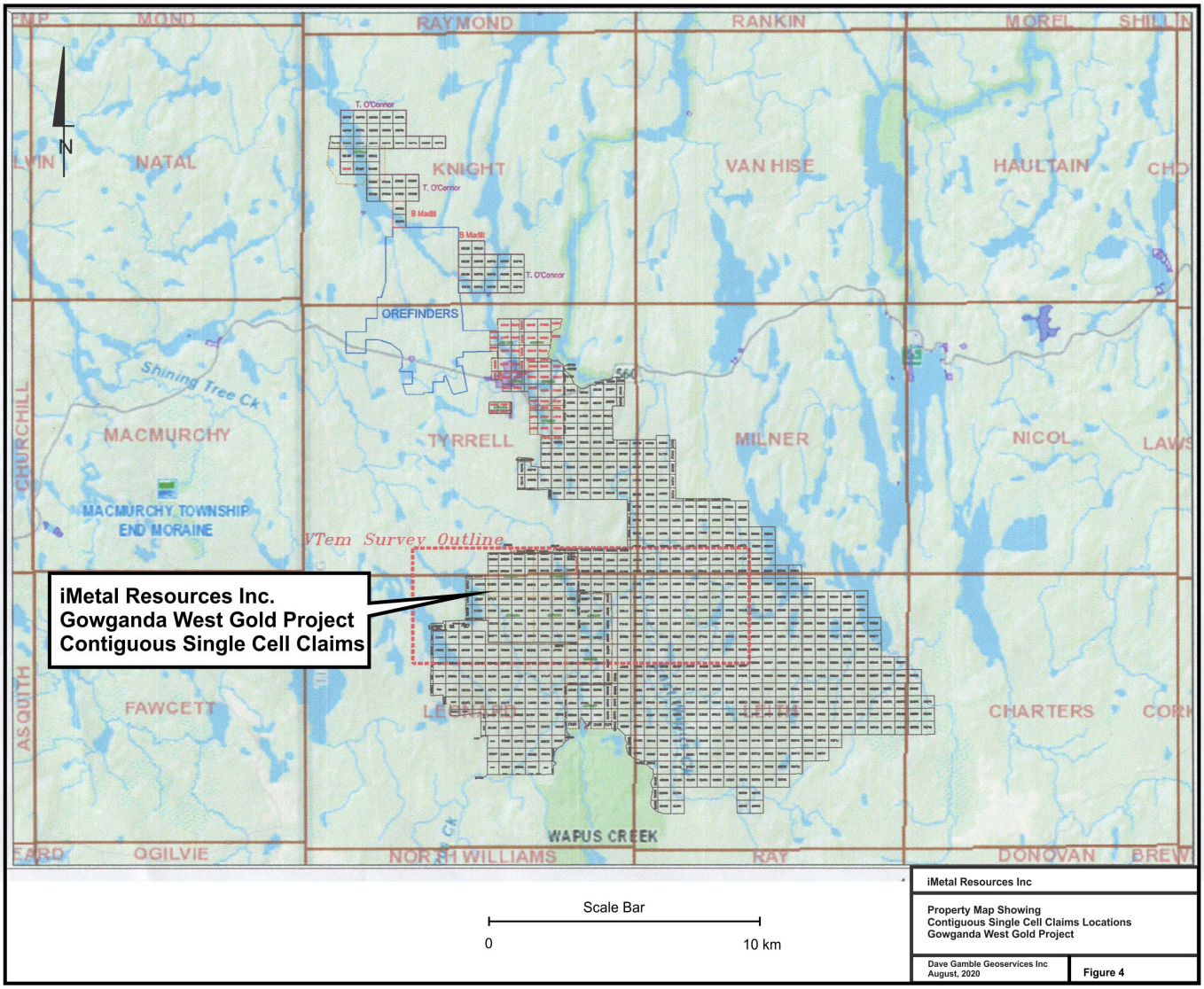

501000 m E
502000 m E
503000 m E
504000 m E
5271000 mN
5270000 mN
Spear Lake Road
Zone 1 North
Zone 1 South
iMetals Property Boundary
IMGW-19-05
IMGW-19-02
IMGW-19-03
IMGW-19-01
IMGW-19-04
SLIM LAKE
TYRELL TWP
LEONARD TWP
LEGEND
Elevation in meters
Zones 1South and 1 North
Claim Boundary
N - S Grid Lines
E - W Grid Lines
Drill Hole Traces (Feb 2019) IMGW-19-04
Access Roads
Access Trails
Scale Bar
0
1000 m
iMetal Resources Inc
Zone 1 North & South Areas,
Drill Hole Locations, Surface Grid Layout
Topography and Roads
Gowganda West Gold Project
Dave Gamble Geoservices Inc
August, 2020
Figure 3

MINING CLAIM STATUS

The Gowganda West Gold Project property consists of 581 Single Cell Mining Claims plus Boundary Cell Mining Claims of unpatented mining claims as well as an additional 166 Optioned unpatented single cell mining claims that are held under option agreements to iMetal Resources Inc. The property holdings by iMetal Resources Inc totals 581+166 = 747 single cell mining claims that form a large block of contiguous single cell mining claims that approximates an area of 147.5 square kilometers. These mining lands claims occur within the four unsubdivided townships of Tyrrell, Milner, Leonard and Leith townships.

The cells of the Gowganda West Gold Project property lie within the eastern side of Tyrrell Township and also along the south boundary and borders the Juby Gold Deposit property area on the three sides to the north, to the east and to the south. From the south-eastern the boundary of Tyrrell Township the property continues southeasterly and covers the south-west quarter corner of Milner Township. The property continues south from Milner Township and covers a large part of the north and central part of Leith Township. Continuing from the south boundary of Tyrrell Township the property continues southwards and covers a large area in the northeast quarter of Leonard Township. For the contiguous block of single cells showing individual cell outlines and cell numbering in Tyrrell, Leonard, Milner and Leith Townships, refer to **Figure 4. Property Map Showing Contiguous Single Cell Claim Locations.**

The detail location of the five diamond drill hole collars drilled in Jan-Feb 2019 with the drill hole traces superimposed on the mining cell fabric identifies the mining lands single cells in the detailed area on which the drilling work was actually performed, see **Figure 3. Zone 1 North & South Areas Detail Grid Map**. This figure shows the location of the single cell mining claims on which the diamond drilling was performed on located in Tyrrell Township. The drill holes are located on the single cell mining claims numbered on the Provincial Grid that are 320391, 133802, and 206674. The ownership of these claims are under option agreements to iMetal Resources Inc.


RAYMOND
RANKIN
MOREL
N
NATAL
KNIGHT
VAN HISE
HAULTAIN
T. O'Connor
T. O'Connor
B Madill
B Madill
T. O'Connor
OREFINDERS
Shining Tree Ck
MACMURCHY
TYRRELL
MILNER
NICOL
CHURCHILL
MACMURCHY TOWNSHIP
END MORAINE
VTem Survey Outline
iMetal Resources Inc.
Gowganda West Gold Project
Contiguous Single Cell Claims
ASQUITH
FAWCETT
CHARTERS
WAPUS CREEK
OGILVIE
NORTH WILLIAMS
RAY
DONOVAN
Scale Bar
0
10 km
iMetal Resources Inc
Property Map Showing
Contiguous Single Cell Claims Locations
Gowganda West Gold Project
Dave Gamble Geoservices Inc
August, 2020
Figure 4

PROPERTY HISTORY

The level of historical exploration within the area defined by boundary limits of the current mining land cells has been very low to generally nil over much of the Gowganda West Gold Project property. There was prospecting and sampling regionally during the Gowganda silver rush in 1906, and with further gold prospecting following this silver rush. Later from the 1940's and onward into the present there has been local areas where exploration has taken place and includes ground geophysical surveys generally followed by limited drilling of the exploration targets. The historical information and data of early exploration indicates there are some areas that lie within limits of the current iMetal Resources Inc. property. The historical work and exploration activities have been sourced from reports produced by the Ontario Geological Survey (OGS) and/or from the Ontario Division of Mines (ODM) from their Geology Reports (GRs) in the1970's and their Data Inventory Folios from the 1990's that describes most exploration activities up to those publication dates. Also more modern data from assessment reports that have been filed have also provide some current data.
The following is a list of historical activities within the current mining claim block and is very limited for each of the four township with dates and type of exploration activity reported.

Tyrrell Township:

A review of the Ontario Division of Mines, Geoscience Report 152, Geology of Macmurchy and Tyrrell Townships, Districts of Sudbury and Timiskaming by M.W. Carter in 1977 indicates some exploration activities and work was reported historically over parts of the current iMetal Resources Inc. property. The following activities are reported for those areas in Tyrrell Township.

Timiskaming Nickel Limited in 1971, asbestos and copper showing prospect located northwest of Owl Lake in east central Tyrrell, and in ultramafic peridotite rock # 46 on Map #2365 in GR # 152, Owl Lake Group; and also map referenced by letter S for asbestos and copper in Mineral Occurrences section, and #'s 43 & 44 in Type of Work section and the work carried out on the property as reported in OGS 1990 Geological Data Inventory 508 Folio and located on the accompanying maps in the folio. The work reported was Airborne Magnetometer and Airborne Electromagnetic surveys (1968) + drilling 4 ddhs that reported serpentine in the drill logs (1967-1968) + stripping-trenching-geology (1970-1971) also includes notation of reported work by Bengal Development Corporation Limited in 1960 of geophysical magnetometer and electromagnetic ground surveys.

Benvan Mines Limited in 1965-1971, gold, silver, cobalt and copper calcite vein prospect and showings located on the east side of Mosher Lake in northeast Tyrrell and within the Nipissing Diabase sill that overlies Cobalt Group sediments # 26 and # 40 (1971 Putman, J.S. no work) on Map #2365 in GR # 152; and also map referenced by the letter Q for gold, silver, cobalt and copper in Mineral Occurrences section, and #'s 4, 5, 6, 7, 8,and 39 in Drill Hole Summary section and the work carried out on the property as reported in OGS 1990 Geological Data Inventory 508 Folio and accompanying folio maps. The work reported by Sinclair Miller Mines Ltd. formerly Sinclair Prospecting Syndicate (1961-1962) was geology + drilling 3 ddh's with pyrite, chalcopyrite and galena reported in the logs; and work reported by Benvan Mines Limited (1965) was drilling of 10 ddhs totaling 1000 meters that reported pyrite, chalcopyrite,

galena, smaltite, arsenopyrite, and niccolite reported in the drill logs in calcite veins. The best assay reported (1965) was taken from surface copper oxide exposure adjacent to the Sundstrom Fault that returned 0.1 oz Au, 0.74 oz Ag, and 0.7% Cu as reported in the GR #152 page 37. Also as reported in GR # 152, on page 61 a 30 meter adit was driven to the Mosher Lake Zone from the east shore of Mosher Lake where a grab sample from the No. 2 vein in the upper Sinclair Zone assayed 587.73 oz Ag/ton, and another grab sample from in the central Mosher Zone ran 175 oz Ag/ton.

MacCallum-Pinkerton Prospect in 2004,the work that was reported for assessment purposes was 1 ddh for 258 feet (78.64 meters) located approximately 350 meters north of the north end of the western lobe of Slim Lake. The hole is reported to have intersected Proterozoic aged, Cobalt Group, fine grained argillite of the Gowganda Formation with little mineralization noted and with only trace pyrrhotite and rare chalcopyrite smeared along slips or in quartz stringers.

Leonard Township:

A review of the Ontario Division of Mines, Geoscience Report 146, Geology of Fawcett and Leonard Townships, Districts of Sudbury and Timiskaming by M.W. Carter in 1977 indicates that there are no showings and no exploration activities reported or took place to report on that lies within the in the east half of Leonard Township or over the iMetal Resources Inc current property. All of the reported exploration activities historically occurred in the west half of the Leonard Township.

In the OGS 1990, Geological Data Inventory Folio 508, there are two Mineral Occurrences located by designated by map reference letters Y and Z and mapped during earlier township mapping by the OGS on Map P.280 and Map 2359.

The Y occurrence is a showing of chalcopyrite and malachite in quartz-calcite veinlets and is located just west off the Spear Lake forest access road east of Wapus Creek 500 meters south of the bridge crossing on the creek and 1.0 km north of Irene Lake.

The Z occurrence is a showing of chalcopyrite and is located at the northwestern tip of Grand Lake and 1.5 kilometers east of the Spear Lake forest access road. .

Milner Township:

A review of OGS Report 175 Geology of the Gowganda Lake-Miller Lake Silver Area, District of Timiskaming by W.H. McILwaine in 1978 indicates that there are no showings and no exploration activities reported or took place to report on within the southwest corner of Milner Township or over the iMetal Resources Inc current property. The Geology Map 2348 for Van Hise and Milner Townships that accompanies the OGS report indicates that geology in the southwest corner is underlain by the Proterozoic aged, Cobalt Group, sedimentary rocks of the Gowganda Formation and further subdivided as part of the Coleman Member. This map shows no known mineralization in the southwest corner of Milner Township but does show a series of parallel fault structures that are north-south trending and part of the Silverfive Lake and the Firth Lake fault system

Leith Township:
A review of Ontario Department of Mines and Northern Affairs Geological Report 89, Geology of Leith, Charters and Corkhill Townships, District of Timiskaming by W.H. McILwaine in 1971 indicates that there are no showings and no exploration activities reported or took place to report on throughout most of Leith Township or over the iMetal Resources Inc current property. The Geology Map 2208 for Leith, Charters and Corkhill Townships that accompanies the OGS report indicates that geology in Leith is mostly underlain by the Proterozoic aged, Cobalt Group, sedimentary rocks of the Gowganda Formation that are locally intruded by Nipissing Diabase over the iMetal Resources Inc property. There is a small window of Archean basement older mafic volcanic rocks and local minor iron formation in northern Leith Township and located on the west side of Elkhorn Lake. On the western side of Leith Township there are many quartz vein located within Nipissing Diabase.
The only historically active exploration and mining activity is located in the southeast corner of Leith Township and is known as the Rustex Mining Corporation property. This was a small silver mine in the Nipissing diabase sill that operated in 1936-1938, and again in 1964-1966.and produced 80,186 ounces silver.as reported in 1968.
No other exploration activity is reported in Leith Township.

REGIONAL GEOLOGICAL SETTING

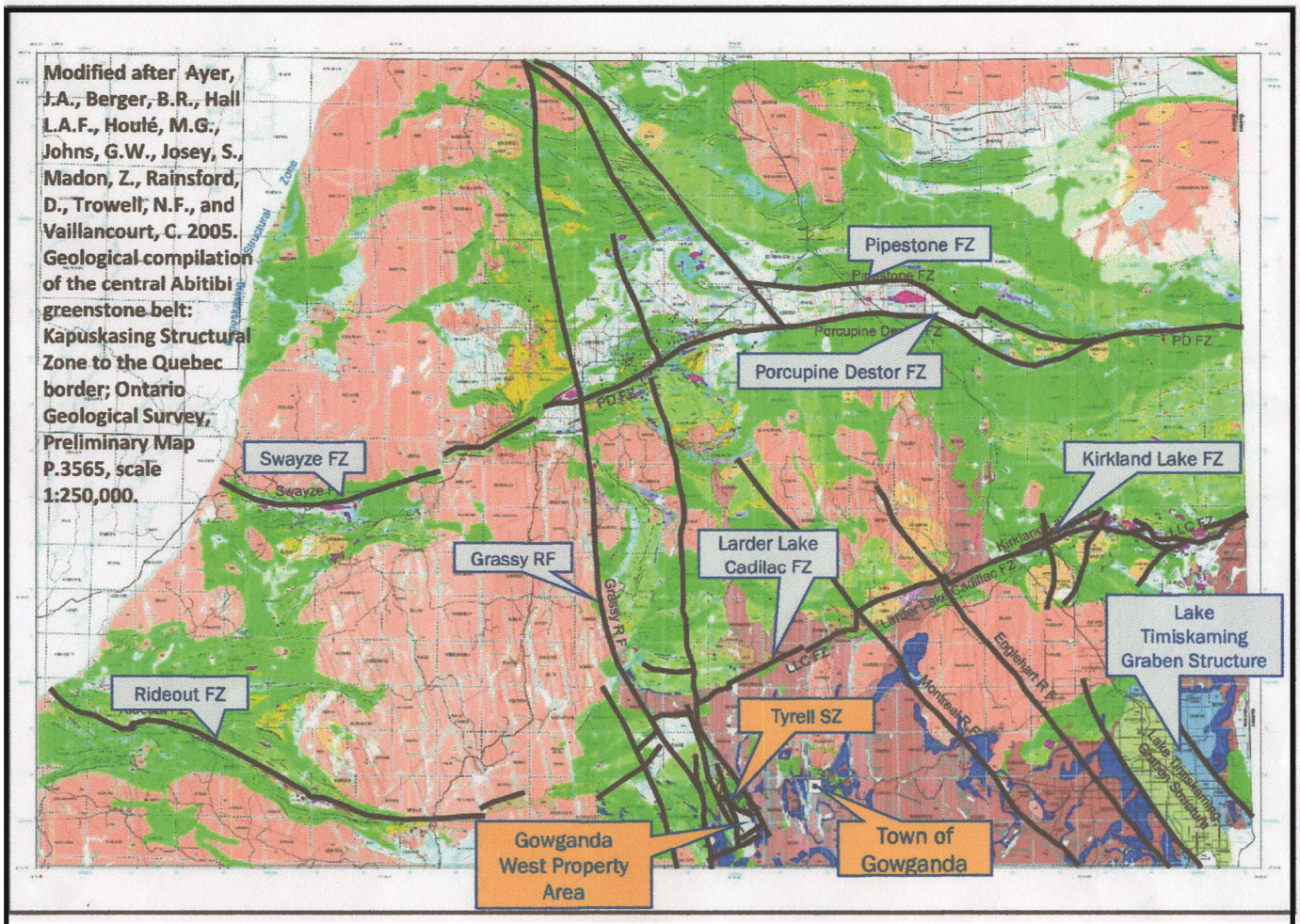
The Gowganda West Gold Project area is located in the Shining Tree area that is south of Timmins and southwest of Kirkland Lake and is within the southwestern part of the Abitibi Greenstone Belt (AGB), **see Figure 5. Regional Geology Map Abitibi Greenstone Belt Ontario.** The property is identified by the small red star at the bottom central part of the map. The Shining Tree area consists of an Archean volcano-sedimentary assemblage not unlike the assemblages found in other parts of the AGB and especially within the significant major gold camps in the region that include the Timmins, Kirkland Lake and Matachewan areas. Many of the gold showings and occurrences in the Shining Tree area are associated with similar type lithologies and also associated with structures as typically seen in the gold deposits of these major camp areas.

The Shining Tree volcano-sedimentary portion of the AGB assemblage is located in an area where it bounded and contained by large granitic batholiths from the northwest to the southwest by Archean granitic to granitoid intrusives rocks. Bounded on the northwest and to the west of the Shining Tree area there are the granitoid intrusions of the Kenogamissi Batholith, while on the southwest there are the gneisses and granitoid intrusions of the Ramsay-Algoma granitoid complex, after Jackson S.L. and Fyon J.A. 1991. The Shining Tree volcano-sedimentary portion of the AGB is confined to the east and is unconformably overlain to the east by the Proterozoic aged sediments of the Huronian Supergroup, represented by the Cobalt Group, and by sedimentary rocks of the Gowganda Formation. On the east part of the iMetal Resources Inc. property the Gowganda West Gold project area, the Gowganda Formation consists of generally low angle to flat lying lithologies of conglomerate, arenite, greywacke, siltstone, and argillite that lie unconformably above the older steeply dipping Archean stratigraphy below. These Proterozoic sedimentary rocks have in turn been intruded by Proterozoic Nipissing diasbase sills and dikes that have been a target for silver bearing calcite veins and stringers since the Gowganda silver rush days that started back in 1908. The Nipissing Diabase (2219 Ma) with an overall olivine-tholeiitic composition intrudes the Cobalt Group sedimentary formations generally as vertical dikes and horizontal to gently dipping sills. The Nipissing Diabase is known to be associated with and as a host to silver bearing veins within the Gowganda region.
The Archean basement rocks are assumed to underlie the Proterozoic cover rocks at various depths as evidenced by the occurrences of Archean windows exposed in the region.

This Proterozoic Assemblage seems to be fault bounded and locally occurs east of the north-northwest trending Duncan Lake fault zone on the iMetal Gowganda West Project property. This Proterozoic assemblage unconformably overlies the east-southeast extension of the Tyrell Structural Zone (TSZ) in the basement Archean Assemblage. Follow up along this east-southeast trend of the TSZ appears to strike onto iMetals ground and it appears to be a likely exploration target for the Juby style gold mineralization within the Archean basement at depth below the Proterozoic cover on the iMetal property.

Within the AGB there are several major regional fault structures that trend east to northeast and are spatially associated with gold mineralization from deposit to camp scales across the belt in Ontario and well into Quebec. From north to south they are known as the Porcupine-

Destor Fault Zone with its extensions and splays, and the Larder Lake–Cadillac Fault Zone with its extensions and splays. In addition there are significant north and northwest trending cross fault that may also play an important role in displacement geometry of some deposits. This regional faulting and fracturing has created a significant and major ground preparation necessary for alteration and fluid migration to take place. Near the structural zones there are open space fillings in dilatant zones, zones of structural weakness for the location and presence of synvolcanic intermediate to felsic intrusions as potential heat source that can also to enhance and provide the additional necessary fracturing, brecciation and shearing to develop channelways for any resultant hydrothermal fluid activity for the development of potential gold mineralization.



iMetal Resources Inc	
Regional Geology of the Abitibi Greenstone Belt in Ontario Showing Gowganda West Gold Project (modified after Ayer et al. 2005)	
Dave Gamble Geoservices Inc August, 2020 (revised Aug. 2020)	Figure 5

LOCAL GEOLOGICAL SETTING

The Precambrian Archean volcano-sedimentary stratigraphy with the intrusive activity and structural history of the Shining Tree area has been further refined using recent geochronological data. It is important that this new data has been correlated with and is definitive within the framework of the rest of the Abitibi Greenstone Belt (AGB). As a result of this additional and recent geochronological data on the Archean stratigraphy in the Shining Tree portion of the AGB the following discussion arises with its implication and observations as to how it relates to the local geological setting on the property known as the Gowganda West Gold Project, (modified map after Ayer J.A. et al., 2013) **see Figure 6. Stratigraphy & Geology Map Shining Tree Area**

The iMetal Resources Inc property the Gowganda West Gold Project is underlain by older Keewatin Volcanic Assemblages in the southwest part of the property in Leonard Township and is represented by the Deloro Assemblage (2734-2724 Ma) that consist of tholeiitic mafic volcanic rocks locally capped by regional thin iron formations.

The Deloro Assemblage is stratigraphically overlain to the northeast by the Kidd-Munro Assemblage (2720-2710 Ma). The Kidd-Munro volcanic rocks occur in central Leonard Township and into southwest and central Tyrrell Township face northeast on the south limb of a local syncline. On the north limb of this syncline the volcanic rocks are facing southwest. The Kidd-Munro regionally consists of thin ultramafic komatiitic volcanics to mafic volcanic rocks.

The Tisdale Assemblage (2710-2704 Ma) is also present in the region but is well to the northwest in Kelvin and Cabot Townships.

New geochronological dating of the Natal and Indian Lake Groups are unconformably overlying the Keewatin volcanic succession as described above. These new dates indicate that the Natal and Indian Lake Group are part of the Porcupine Assemblage (2690-2680 Ma), rather than the previously interpreted slightly younger Timiskaming Assemblage (2676-2670 Ma). The Natal Group occurs and lies to the northwest in Natal Township and distal from of the iMetal Resources Inc property, whereas the Indian Lake Group occurs on the iMetal Resources Inc Gowganda West Gold Project property in both Leonard and Tyrrell Townships.

The Indian Lake Group (ILG) consists of calc-alkaline to alkaline volcanic rocks in the region and occurs at the base of the succession in Natal. This is followed by a significant succession of meta-sedimentary rocks consisting of thick coarse polymictic conglomerate intercalated with arenaceous sedimentary rocks with lithologies such as sandstone to quartz arenite to arkosic sandstone to dirty greywacke to siltstone and to mudstone. These lithologies are especially prevalent within central Leonard and south central Tyrrell Townships.

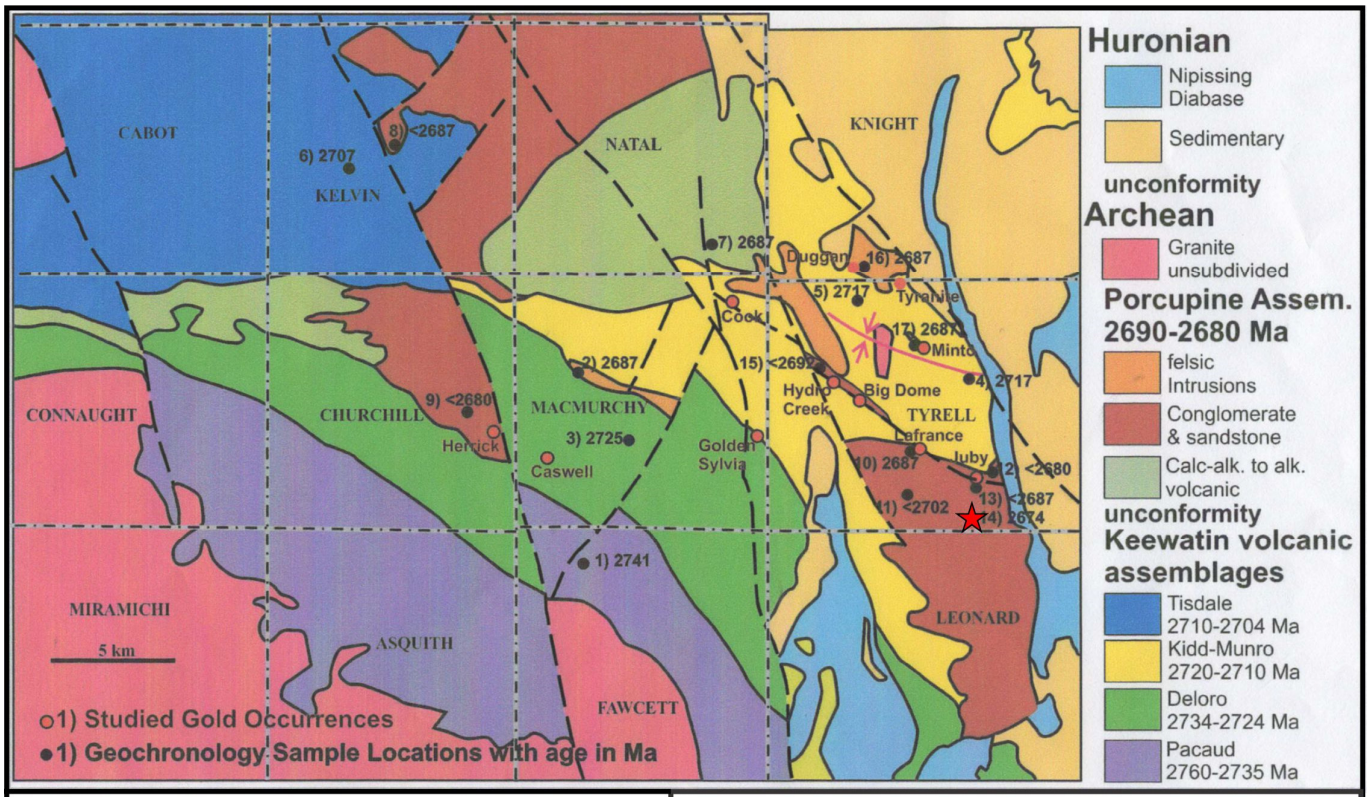
Within the Indian Lake Group meta-sedimentary sequence there are fine granular pebble to medium pebble to coarse pebble and boulder polymictic conglomerate lithologies that contain numerous bright red to maroon red jasper grit, granules, pebbles to boulders. This lithology commonly occurs both on surface outcrops and in drill holes on the Gowganda West Gold Project property. It should be noted here that these red jasper clasts are also very commonly

found in the slightly younger Timiskaming Assemblage that occur within the regionally significant gold camps at Kirkland Lake and Timmins, Ontario.

The Indian Lake meta-sedimentary rocks appear to form a significant belt that appears to resemble a preserved basin of sedimentation that is now steeply tilted with near vertical dipping lithologies. This ILG meta-sedimentary belt extends from south central Tyrrell Township and is bounded on the north by the east-southeast trending Tyrrell Structural Shear Zone (TSZ). The Juby Gold Deposit predominantly occurs within in the ILG fine grained meta-sedimentary assemblages that occur along the TSZ.

This ILG belt is exposed for approximately 13 kilometers in a south-southeasterly orientation from the northwest end of the TSZ and forms a corridor up to a maximum of 6 kilometers wide that extends some 8 kilometers into southern Leonard Township. Within the ILG meta-sedimentary belt there are also felsic intrusions such as feldspar porphyry dikes and quartz feldspar porphyry dikes, and intermediate hornblende chlorite porphyry dikes that all cut the ILG assemblages that have seen both on surface and in drill core record both on the Juby property and also on the iMetal Resources Inc property. From these recent geochronological dating there were also similar intermediate to felsic intrusive rocks that were also dated at 2688-2686 Ma (after Ayer J.A. et al., 2013) and therefore appear to be synvolcanic intrusions within the Indian Lake Group of the Porcupine Assemblage. Similar intrusive rocks are seen on the Gowganda West Gold Project property and in the recent drill core. The ILG meta-sedimentary rocks within this belt or basin are also the host rocks for the pyrite-gold bearing mineralization and hydrothermal alteration encountered on the iMetal Resources Inc Gowganda West Gold Project property and in drill holes.

Early Proterozoic (2450 Ma) magnetite-bearing Matachewan diabase dikes occur locally and regionally as individual dikes and clustered into dike swarms regionally. These mafic diabase dikes are generally near vertical dipping and trend northwesterly to north and are found intruding the Archean Shining Tree succession and can be seen both on surface and in drill core on the Gowganda West Gold Project property. These dikes have a tendency to have gradual chilled margins internally that show a decreasing crystal grain size towards the contacts and generally with an abrupt chilled thin rind bleached at the contacts. These diabase mafic dike rocks have had little effect on the enclosing wall rocks with little thermal activity to any recognizable extent other than local darkening near the contacts on the iMetal Resources Inc property. There has been no ingestion or melting of wall rocks near the dike contacts.



★ iMetal Drill Hole Locations Feb 2019

iMetal Resources Inc

Stratigraphy of the Shining Tree Area
Showing Drill Hole Locations
Gowganda West Gold Project
(modified after Ayer J.A. et al. 2013)

Dave Gamble Geoservices Inc
August, 2020 (revised Aug. 2020)

Figure 6

DEPOSIT TYPE & COMMODITY BEING EXPLORED

The Gowganda West Gold Project that covers the iMetal Resources Inc property in the Shining Tree part of the AGB is being explored for gold mineralization as the primary commodity within the Indian Lake Group of fine grained to coarse grained meta-sediments of the Porcupine Assemblage.

This ILG meta-sedimentary belt extends from south central Tyrrell Township and is bounded on the north by the east-southeast shear zone striking at 105°-115° and is vertically dipping and known as the Tyrrell Structural Zone (TSZ). The Juby Gold Project mineralization occurs within in the ILG fine grained bleached argillaceous arenite to argillite and also in fine grained conglomerate meta-sedimentary assemblages that occur along and immediately south of the TSZ. The mineralized zones are co-temporal and co-spatial with porphyritic intrusions, quartz veins swarms, sericite and ankerite alteration, disseminated pyrite, and associated with structurally shear fabrics along the TSZ.

The Juby Gold Project Total Resource Summary is significant as it is reported to contain 4M ounces of gold within 122,800 tonnes from all categories combined stated in the technical report on the 'Updated Mineral Resource Estimate for the Juby Gold Project', a NI 43-101 compliant gold resource report for Temex Resources Corp (after Campbell et al., 2014). The Juby resource estimate has been estimated utilizing a cut-off grade of 0.40 g/t gold. The Total Resource Summary for the Juby gold deposit is reported to contain 4M ounces of gold with an indicated resource stated as 1,090,400 ounces of gold from 26.6 million tonnes at a grade of 1.28 g/t gold, and a total of 2,908,800 ounces of gold in 96.2 million tonnes at a grade of 0.94 g/t gold in the inferred category. The indicated resource category includes the Juby Main and Golden Lake + Hydro Creek-LaCarte mineralized zones. The inferred resource category includes the Juby Main and Golden Lake, Hydro Creek-LaCarte, and Big Dome mineralized zones, (after Campbell et al 2014). This Juby Gold Project Total Resource Summary is the most current estimate at the time of the writing of this current assessment report on the iMetal Resource Inc drilling project in 2019.

The Juby Gold Deposit property has undergone a number of ownership changes lately. Temex Resources Corp. acquired the Juby Lease in 2002 and within the last 7 years has changed ownership from Temex Resources Corp., to Tahoe Resources Inc. (formerly Lake Shore Gold Corp.), to Pan American Silver Corp. which through acquisition also holds assets of Lake Shore Gold Corp., and most recently in a press release dated May 21, 2020 Caldas Gold Corp. has recently entered into an agreement to acquire the Juby Gold Project property. It is anticipated that new exploration activities may be undertaken by the new owners on the Juby Project and that any new data is certainly welcomed.

The Juby Main Zone gold mineralization is associated with narrow quartz-ankerite-pyrite veins and quartz-chalcopyrite veins within wide zones of ankerite-albite-silica-sericite alteration with fine grained disseminated pyrite. The overall style of this alteration and mineralization appears to be a structurally controlled along a fault shear system in a narrow vein gold deposit type. The gold grade is reported to be broadly correlative with the intensity of alteration and pyrite content. However, areas of the Juby deposit can exhibit extensive strong alteration limits of 20-50 meters thick that may be similar to deposits associated with felsic monzonitic to syenite

intrusions that have developed from a large alteration system within and around a porphyry intrusion, i.e. a porphyry related gold mineralizing system. Evidence at the Juby deposit is the alteration as defined by the strongly altered meta-sedimentary lithologies and with both feldspar porphyry and quartz feldspar porphyry, and hornblende porphyry dikes within the deposit mineralized zones.

It is noted here that the gold zones that include the Juby deposit as defined by Temex occur along and within the Tyrell Shear Zone that trends south-easterly and appears to strike onto iMetal's ground on the eastern property boundary between the Juby Project and iMetal Resources Inc western common boundary. Furthermore the along strike trend of the Tyrrell Structural Zone (TSZ) onto iMetal Resources Inc Gowganda West Gold Project property is also a viable exploration target for similar Juby style extensions. However, this assessment report primarily focuses upon the detailed geology from drill core and gold assay results obtained from this assessment report on the initial diamond drill exploration program that lies to the south of the Juby Deposit on iMetal Resources Gold Project property in southern Tyrell Township.

GEOLGICAL MODEL & CONCEPT

This ILG belt is exposed for some 13 kilometers south-southeasterly from the Tyrrell Shear Zone and forms a corridor up to 6 kilometers wide that extends southerly 8 kilometers into southern Leonard Township on the iMetal Resources Inc property as indicated with boundary outlined in red, **see Figure 7. Property Boundary Overlain on Geology Map**.

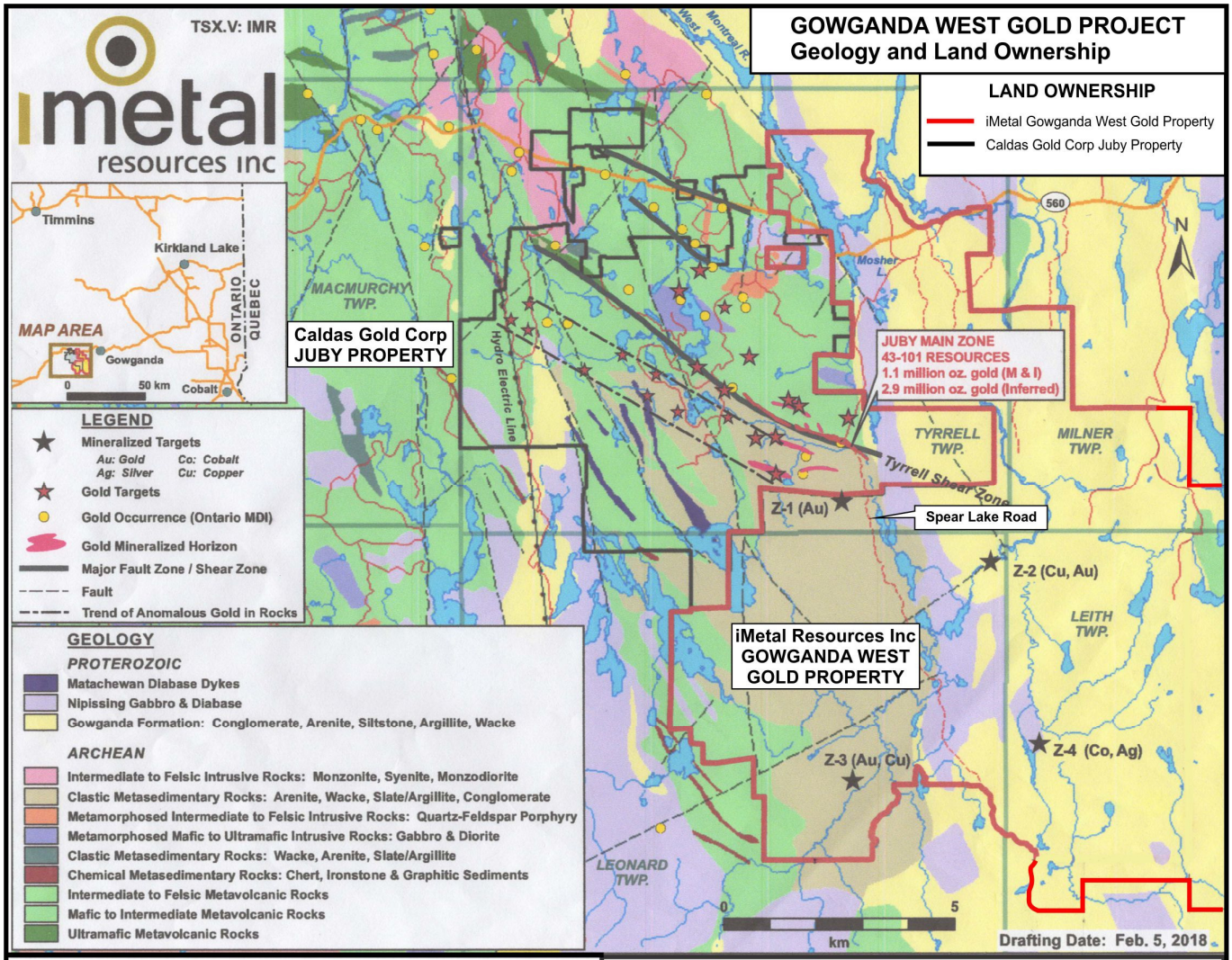
The Indian Lake meta-sedimentary lithologies appear to form a significant belt that is interpreted as a sedimentary basin with the sedimentation that is now steeply tilted with near vertical dips and with west facing lithologies and are also the host rocks for the pyrite gold mineralization and strong alteration assemblages encountered on the iMetal Resources Inc property Gowganda West Gold Project

Within the ILG meta-sedimentary belt there are also felsic intrusions such as feldspar porphyry dikes and quartz feldspar porphyry dikes, and also intermediate intrusions of hornblende chlorite porphyry dikes that all cut the ILG assemblages seen on surface and in drill core on the iMetal property. From the recent geochronological dating (after Ayer J.A. et al., 2013), there were intermediate to felsic intrusive rocks that were also dated at 2688-2686 Ma and therefore appear to be synvolcanic intrusions within the Indian Lake Group of the Porcupine Assemblage. These rocks appear to be similar to those intrusive rocks seen on the Gowganda West Gold Project property and in the recent drill core.

The Juby Deposit lithologies and extensive alteration assemblages also show strong similarities with ILG meta-sedimentary rocks within this belt or basin that are also the same style for the host rocks for the pyrite-gold mineralization and alteration assemblages encountered on the iMetal Resources Inc property Gowganda West Gold Project and in the recent drill core.

The geological model and concept first requires an adequate heat source such as a feldspar porphyry felsic intrusion that would preferably be related to structural elements such as faults and shears, and be capable of driving a large hydrothermal fluid ‘plumbing’ system. This model requires a large and suitable host lithological assemblage that offers both excellent porosity and permeability to act as a sponge for the migration of hydrothermal fluids and host site for extensive alteration of the host rocks and as a deposition site for gold and associated accessory base metals. This meta-sedmentary belt of the Indian Lake Group could provide such an assemblage that is easily altered and could be extensive in size and within this possible basin filled geological environment. The model then requires on-going sedimentary deposition that provides rapid burial to cover and preserve the hydrothermal system that is in play within this high energy sedimentary basin environment. This basin assemblage of coarse conglomerate intercalated with arenites to mudstone may provide the preserving cover assemblage.

The above geological and alteration model and concepts appear clearly evident and are seen on the iMetal Resources Inc Gowganda West Gold Project. It appears that the lithological and alteration ‘finger print’ is so similar to what is reported from the geological and alteration assemblages and basin environment at the Juby Deposit area that occurs basically next door and at the common north boundary of the iMetal Resources property.



iMetal Resources Inc

Property Boundary Overlain on Geology
Gowganda West Gold Project

Dave Gamble Geoservices Inc
August, 2020 (revised Aug. 2020)

Figure 7

REASONS FOR EXPLORATION PROGRAM

The first and primary reason of this initial first phase of diamond drilling was to drill test an area with the surface gold mineralized showings located on and identified as the Zone 1 - South Area located in southern Tyrrell Township. The objective is to explore the surface mineralization at shallow depths. The showings were initially discovered from surface grab sampling and assaying during several years of summer prospecting and sampling programs.

The second and a most significant reason is that the showings on Zone 1 – South Area occur 500 meters south of the Zone 1 - North Area showings on the iMetal property which in turn lies 100 meters south of the common north property boundary with the adjoining property that hosts the Juby Gold Deposit. The Juby Deposit lies approximately 1.0 kilometer north of this common property boundary and is a significant resource as described earlier in this report.

The third reason is the significance of the proximity of an exploration drill hole # JU 13-137 that was drilled south of the Juby Deposit on the Juby Gold Project by Temex Resources Corp. property and near the iMetal property boundary and as reported in a Temex drill exploration program in 2012-2013, (after Kettles, 2013). This Temex drill hole is collared approximately 300 meters north of the common north boundary with the iMetal Resources Inc. property and was very successful in intersecting four mineralized intervals that lie some 600+ meters south of the Main Juby Deposit area.
The first interval in JU 13-137 drill hole intersected 0.85 g/t gold over 36.30 meters core length from 4.20-40.50 meters that includes 1.96 g/t gold over 8.80 meters associated within a feldspar porphyry and conglomerate. The second interval in this hole intersected 1.43 g/t gold over 8.00 meters core length from 150.00-158.00 meters in conglomerate. The third interval in this hole intersected 0.77 g/t gold over 6.50 meters from 198.50-205.00 meters in arenite. The fourth interval in this hole intersected 1.07 g/t gold over 2.09 meters from 233.00-235.09 meters in arenite in contact with a feldspar porphyry. This hole returned four interesting gold assay results over significant core length intervals that are near surface with the mineralization that appears to be striking southeasterly and apparently leading towards and onto the iMetal Resources Inc property near the Zone 1 - North Area.

The forth reason for this exploration work is to determine the suitability and what type of ground geophysical surveys would be best suited to identify future potential drill targets that are either covered by overburden and are at shallow to moderate 500-700 meter depths below surface.

The fifth reason for this drilling is to determine whether Indian Lake Group meta-sedimentary sequence that extends 8.0 kilometers southward on the iMetal property from the common north property boundary in Tyrrell Township with the Juby Deposit property warrants further exploration. This I.L.G. belt extends southerly into southern Leonard Township the drill results may warrant this area as a priority target area for follow-up geophysical airborne and ground follow-up surveys in order to identify future drill exploration activities.

The iMetal objective is clearly stated for this initial drill testing program and that is to carry out further exploration in an untested area to discover the potential of additional and significant gold mineralization in this region as indicated locally nearby at the Juby Deposit area.

EXPLORATION PLAN FILED

An Exploration Permit was issued to iMetal Resources Inc. with the Project name Gowganda West, and applied by and sent to the Qualified Supervisor Thomas A. O'Connor as per exploration permit application for the purpose of Mechanized Drilling, Mechanized stripping, Pitting and Trenching, and Line Cutting.

The Exploration Permit issued is numbered PR-18-000080 and was issued August 23, 2018 out of South Porcupine by Director of Exploration Northeast Region.

DIAMOND DRILL EXPLORATION PROGRAM JAN-FEB 2019

LOGISTICS

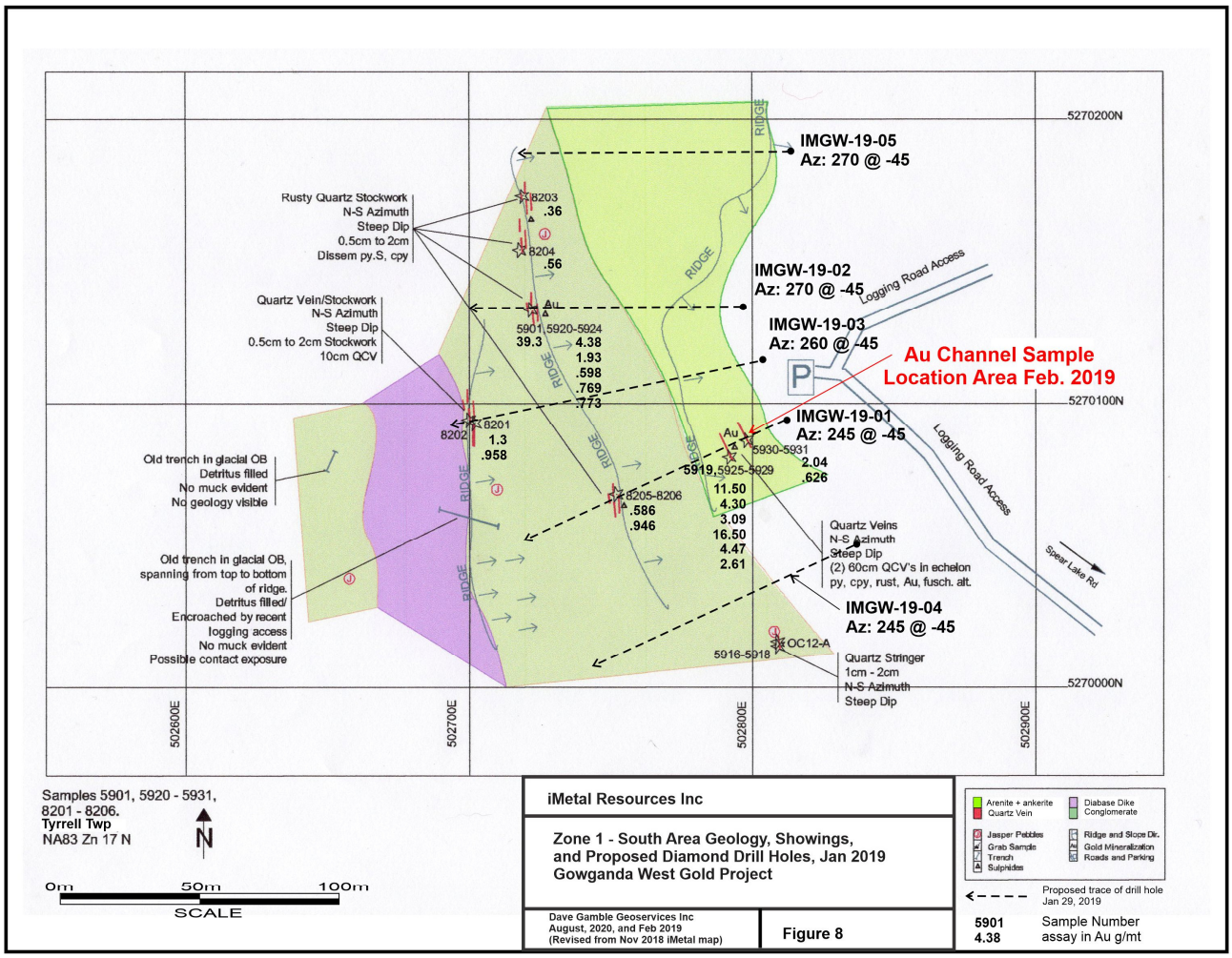
iMetal Resources Inc. carried out a diamond drill exploration program during the period January 30, 2019 through to February 18, 2019 on mining claims held in Tyrrell Township, District of Timiskaming, Larder Lake Mining Division, NTS 41P/10 within NTS 41P/NE.
A series 5 drill holes of approximately 250 meters in length each was planned for a total estimate of 1250 meter for the initial drill test program. The work program that is being reported upon consists of a 5 NQ sized diamond drill holes totaling 1258 meters. The diamond drilling work was performed by the contract diamond drilling company Laframbroise Drilling Inc. out of Earlton, Ontario and was performed for iMetal Resources Inc.

The field management and field supervision was performed and carried out by Mr. Tom O'Conner and geological consultation by Mr. Dave Gamble, P.Geo and Qualified Person (Q. P.) for this project. All work was performed for and on behalf of iMetal Resources Inc. located at 510-580 Hornby Street, Vancouver, B.C. V6C 3B6. Field management and supervision was required for the locating and spotting of the proposed drill holes, for locating the source of a proximal water supply for drilling, and for monitoring progress during the actual period of the drilling phase. The number of field days spent in the field required daily monitoring as drilling was performed on a 24 hour per day and 7 days per week basis during the winter months.
In order to monitor the progress of the drilling phase of activities there were 22 field days required for field drill supervision. All drill core was transported from the field to the secure core storage and logging facility located at 31 Duncan Avenue North, in Kirkland Lake, Ontario. Transportation of the core to the logging and core storage facility in Kirkland Lake, Ontario required an additional 7 days to transport the core.

Mr. Dave Gamble, P.Geo and Qualified Person (Q.P.) for this project was also requested to propose the drill hole site locations, and to lay out and spot the collar locations for the drill hole sites in order to test the surface gold mineralized showings located on and identified as the Zone 1 - South Area located in southern Tyrrell Township, **see Figure 8. Zone 1 – South Area Geology, Showings and Proposed Diamond Drill Holes, Jan 2019**. This geological plan map illustrates the lithologies, the proposed hole collars and hole traces in order to drill test the significantly anomalous gold bearing surface grab samples which is the primary focus of this drill testing program.

All 5 drill sites were located within a timbered out clear cut block area with road access to the drill site locations. Two drill sites were along side the road access in the clear cut area and three sites were in the clear cut area proximal to the road access. All five drill sites are in close proximity to one another in the clear cut area and all drill sites were left in a clean order. All casings were left in for the potential future use in deepening these holes, and each casing pipe was capped with a screw cap to preserve the holes for future use.

The co-ordinate system used to locate the work area and to measure the UTM co-ordinates for each of the drill hole collar locations were initially located due to winter snow conditions in January and February 2019 with several hand-held Garmin GPS units using the Zone 17, North American Datum NAD 83.


5270200N
5270100N
5270000N
502600E
502700E
502800E
502900E
IMGW-19-05
Az: 270 @ -45
IMGW-19-02
Az: 270 @ -45
IMGW-19-03
Az: 260 @ -45
IMGW-19-01
Az: 245 @ -45
IMGW-19-04
Az: 245 @ -45
Au Channel Sample
Location Area Feb. 2019
Logging Road Access
Logging Road Access
Spear Lake Rd
RIDGE
Rusty Quartz Stockwork
N-S Azimuth
Steep Dip
0.5cm to 2cm
Dissem py.S, cpy
8203
.36
8204
.56
Quartz Vein/Stockwork
N-S Azimuth
Steep Dip
0.5cm to 2cm Stockwork
10cm QCV
Au
5901,5920-5924
39.3
4.38
1.93
.598
.769
.773
8201
8202
1.3
.958
Old trench in glacial OB
Detritus filled
No muck evident
No geology visible
Old trench in glacial OB,
spanning from top to bottom
of ridge.
Detritus filled/
Encroached by recent
logging access
No muck evident
Possible contact exposure
8205-8206
.586
.946
Au
5930-5931
2.04
.626
5919,5925-5929
11.50
4.30
3.09
16.50
4.47
2.61
Quartz Veins
N-S Azimuth
Steep Dip
(2) 60cm QCV's in echelon
py, cpy, rust, Au, fusch. alt.
OC12-A
5916-5918
Quartz Stringer
1cm - 2cm
N-S Azimuth
Steep Dip
Samples 5901, 5920 - 5931,
8201 - 8206.
Tyrrell Twp
NA83 Zn 17 N
N
0m
50m
100m
SCALE
iMetal Resources Inc
Zone 1 - South Area Geology, Showings,
and Proposed Diamond Drill Holes, Jan 2019
Gowganda West Gold Project
Dave Gamble Geoservices Inc
August, 2020, and Feb 2019
(Revised from Nov 2018 iMetal map)
Figure 8
Arenite + ankerite
Quartz Vein
Diabase Dike
Conglomerate
Jasper Pebbles
Grab Sample
Trench
Sulphides
Ridge and Slope Dir.
Gold Mineralization
Roads and Parking
Proposed trace of drill hole
Jan 29, 2019
5901
4.38
Sample Number
assay in Au g/mt

During early August 2019 all five 5 drill hole collar casings were followed up and surveyed at ground level with more precise accuracy using the Trimble Model R8 differential GPS System. Control was established using a series of MTO Survey Monuments (Ministry of Transportation of Ontario) along Highway 560 and in close proximity to Gowganda West Gold Project of iMetal Resources Inc. Once horizontal UTM co-ordinates and vertical control point in elevation above sea level was established the survey was carried onto the iMetals property and key control points were placed at various strategic locations throughout the property for future use. From these control points the drill hole collars of the all five drill holes were surveyed with accuracy for UTM co-ordinates horizontal Northing and Easting positions and for elevations above sea level.

LOGGING AND SAMPLING PROCEDURES

Mr. Dave Gamble, P.Geo and Qualified Person (Q.P.) for this project was also requested to carry out all logging and related logging duties for all 5 diamond drill holes in this initial drill program. The protocol was to provide the professional guidelines for quality assurance and quality control (QA &QC) during this drilling, logging, core cutting and sampling and handling and interpreting the gold assay results.

The logging process started when drill core was received in the core trays with the securely attached core tray lids were opened and checked for correct tray box numbering, and also for checking that the correct meterage's blocks had been were placed at 3 to 6 meter intervals at the drill. All core trays were stored in 4 inside core racks in the logging facility. The logging facility viewing table capacity was capable of laying out 32 core trays at any one time allowing for approximately 140 meters of core to be up on the deck for logging. All drill core was carefully oriented so the core was in a logical and consistent fabric orientation where possible in order to log the core and to take any orientations such as contacts and fabric measurements when available and if warranted.

The detailed logging process consisted of visual examination with the constant use of a hand lens and binocular microscope that proved extremely useful especially with identification of the fine grained meta-sedimentary lithologies, and also with the fine grained intermediate and felsic intrusive dike lithologies. The binocular microscope was also extremely useful in the identification of some of the fine grained hydrothermal alteration minerals. In addition detailed examination for calcite using diluted hydrochloric acid was routinely utilized. A Scintrex SM-5 Susceptibility Meter was also routinely utilized to scan the drill core for any magnetic signatures and to record all quantitative results during logging.

All sampling procedures were consistently maintained and started with determining all sample intervals and inserting sequential numbered sample tags at the beginning of each sample interval. Most sample intervals were either 1.0 meter to 0.5 meter lengths and where warranted some as short as 0.25 meter lengths were used. The oriented core was also necessary in order to mark out a consistent cut line for the ½ core diamond saw cutting process. A consistent side of all ½ core was taken for each sample interval. This sampling tagging procedure and diamond saw cutting of all core was consistently maintained for all the sample intervals. Each sample interval when cut has the ½ core interval placed in a poly sample bag with the tear off sample numbered ticket placed in the bag with the sampled core, and in

addition as a precaution the sample number is also written on each poly bag with permanent felt marker pen in case of ticket loss or destroyed ticket at the lab.
In addition, there was also the insertion of external standards and blanks into the sample stream for quality assurance and quality control (QA/QC) and this was done in addition to the assay laboratory insertion of their standards and blanks for their own internal control. There were three external commercial standards of rock powders with three different grams per tonne gold utilized and a standard was routinely inserted into the sample stream at a spacing of and after every 20th core sample. The values of the each standard inserted are not known to the lab and must be assayed and results posted within the sample stream to be effective as a check for quality control and variation throughout the entire sample set.
Blanks are also inserted into the sample stream as are samples of marble. These blanks were inserted into the sample stream but only as needed basis in order to verify and also as a check to eliminate any sample to sample cross contamination in the event of any possible high values in a series or in a continuous group of core samples in the sample stream.

In addition duties also included supervision of the personnel at the in house core saw cutting room and inside core storage racks at the logging facility in Kirkland Lake, Ontario. In this regard many thanks to the diamond saw core cutting and sampling personnel K. Cowie and S. O'Connor for their consistent and diligent cutting and sampling work.

All sampling procedures were consistently maintained, and complete security control was maintained for each sealed numbered and tagged and sealed poly bagged individual core sample intervals. All sample shipments consist of a number of farine sacks with each farine sack containing 10 individual samples per farine sack. Each farine sack was numbered with sample number series inside, and that numbered farine sack was securely closed with heavy duty plastic cable ties. Each sample shipment to the lab consisted of a number of these farine sacks to make up a shipment.

Security was maintained for all drill core and all cut and bagged samples for each individual shipments until delivered to Activation Laboratories Ltd. (Actlabs) at its Timmins, Ontario facility.

REPORT AND DRILL LOGS PROCEDURES
Firstly, as the author of this assessment report the diamond drilling program was carried out in a responsible manner with the protocol to maintain quality assurance and quality control for the project. All the core handling, the logging process, all sampling procedures, and as well as the security of all logging information and all assay data results were strictly adhered to until actually reported to iMetal Resources Inc personnel and eventually to the public domain in the form of news releases by iMetal Resources Inc.

Secondly, it was necessary to include within this assessment report the descriptions of all technical geological results and geochemical gold assay results from this drilling program. All necessary map graphics and drill sections graphics for each of the drill holes, and a comprehensive set of diamond drill hole logs are included in this data set.

The diamond drill logs for all 5 drill holes were completed in an Excel file format and the detailed logging data set consists of the following 7 individual log sheet files as outlined below and is found in **Appendix A**. At the beginning of Appendix A there is a two page **Glossary of Abbreviations & Qualifiers Used in All Diamond Drill Hole Logs**.
The **7 separate Log File sheets** are as follows with a brief explanation for each log file sheet.

Collar Log file
Survey Log file
Geology Lithology Log file
Sample Data Log file
Alteration Log file
Fault Shear Structural Log file
Rock Quality Index (RQD) and Magnetic Susceptibility Log file

The **Collar Log** details all drill holes hole ID (identification), location data, azimuth, dip, length of hole, core size, casing length and current statis of left in or pulled, casing cap, cemented or not, hole orientation survey, target name, logged by, start date of hole and finish date of hole, country-province, township, and NTS Map sheet.

The **Survey Log** using a Reflex EZ Shot bore hole survey instrument details all drill holes ID, collar orientation, all depths of each survey in meters, raw azimuth in degrees of each survey, corrected to true azimuth in degrees of each survey, dip or inclination in degrees at each survey point, magnetic field in nanoteslas (NT) at the survey point, and type of instrument used.

The **Geology Lithology Log** details the intervals with detailed notes and descriptions of the lithological intervals throughout each drill hole. The headings are self explanatory with the exception of ct< which is contact angle.

The **Sample Data Log** describes all the sample intervals in meters, all sample numbers used, all sample lengths in meters for of each sample interval, all sample descriptions, Au (gold) assay results in ppm or grams per tonne, the core length X assay product that is required to calculate the weighted averages when over more than one sample interval.

The **Alteration Log** details the alteration mineral assemblages and describes the colour, intensity and any fabric throughout each drill hole.

The **Fault Shear Structural Log** details the structural fabric mineral assemblage, the type of structure, intensity, any measured core angles degrees TCA (to core axis) where possible in each drill hole.

The **Rock Quality Index (RQD) and Magnetics Log** describes the rock competency of the drill core in terms of a simple number ranging from very competent at 10 through to 9 – 8 – 7 – 6 - 5 - 4 - 3 - 2 – 1 and to a very low competency of 0. The RQD is visually estimated for all of the intervals throughout each of the drill holes and have additional comments when necessary. The accompanying Magnetics Log describes and quantifies the magnetic signatures observed when the core is routinely scanned throughout all the drill holes with a Scintrex SM-5 Magnetic

Susceptibility Meter. The magnetic susceptibility readings are in c.g.s. units (cm.gram.sec) with 0 as non-magnetic and with 3-6 as noticeably moderate to strongly magnetic. The SM-5 unit is capable to have a range from 0 to 99. All drill holes are capable of being quickly scanned and magnetic responses recorded when magnetic signatures are found. The readings are reported on the log as meter location range or single point source meterage followed by the SM-5 readings range over an interval or a single SM-5 reading for a single point source. The SM-5 Susceptibility meter is a very useful tool to determine and quantify the magnetics in drill holes.

GEOLOGICAL RESULTS FROM JAN-FEB DRILL PROGRAM

The Zone 1-South Area surface gold showings occur within the mixed meta-sedimentary lithologies consisting of, conglomerate, arenite greywacke, and minor mudstone of the Indian Lake Group (I.L.G.). Recent geochronological age dating by Ayers et al 2013 indicates the I.L.G. is 2690-2680 Ma and that is Archean aged and is therefore part of the Porcupine Assemblage. This new interpretation is based on age determinations made from felsic volcanic rocks that are intercalated within the I.L.G. clastic meta-sedimentary rocks that were located nearby on the Juby Deposit property near the north boundary with the iMetal property. Intermediate to felsic intrusive rocks were also dated as 2687-2686 Ma and are therefore synvolcanic intrusions within the I.L.G. volcanic and meta-sedimentary rocks of the Porcupine Assemblage.

The I.L.G. meta-sedimentary lithologies exhibit spectacular bright red to maroon red jasper grit, granules, and pebbles up to coarse boulders. The presence of red jasper grit, pebbles and boulders are also very commonly found in the slightly younger by 10 Ma in the Timiskaming Assemblage 2676-2670 Ma that also commonly occur within the regional significant gold camps both at Kirkland Lake and Timmins Ontario as well as in other gold camp locations in Ontario and Quebec.

Early Proterozoic (2450 Ma) magnetite bearing Matachewan diabase dikes to dike swarms intrude and cut into the I.L.G. lithologies on the property.

The Zone 1-South Area was drill tested with 5 diamond drill holes totaling 1258 meters that was carried out during the period of January 30, 2019 through to February 18, 2019. All of the current drill holes intersected the Archean aged I.L.G. clastic meta-sedimentary lithologies including mudstone, arenite, fine to medium to coarse grained polymictic conglomerate that have been intruded by intermediate composition hornblende porphyry ‘aplitic’ dikes and by felsic dikes with a composition of feldspar +/- quartz porphyry dikes.

Early Proterozoic narrow diabase dikes with finely disseminated magnetite and exhibiting a weak to moderate to locally strong magnetic signatures cut the meta-sedimentary lithological sequence locally. A hand-held Scintrex SM-5 Magnetic Susceptibility meter was routinely used to scan the drill core and measure and record the location of the magnetic response in c.g.s. (cm-gm-sec) units.

The ddh’s all carry variable gold mineralization that tends to be associated with very fine to fine grained disseminated trace-5% pyrite with occasional trace chalcopyrite locally and is hosted within pervasively altered meta-sedimentary lithologies of the Indian Lake Group. This pyrite mineralization occurs within all of the meta-sedimentary lithologies and is especially evident where there is this strong pervasive hydrothermal alteration present. The gold mineralization encountered to date appears to be associated within an extensive large near surface hydrothermal alteration system.
The I.L.G. meta-sedimentary sequence in all 5 drill holes also exhibits sections of drill core with moderate to strong hydrothermal alteration that varies from short less than 2

meter intervals up to much longer core length intervals from 2 to greater than 30 meter core length intervals as seen in DDH ‘s IMGW-19-01 and IMGW-19-04.
The hydrothermal alteration assemblage consists of pervasive bleaching and silicification and with local patchy to pervasively reddened by hematization and/or by development of potassium feldspar. There are noticeable flecks, wisps, filament and lamellae of yellow beige sericite. There are also local sections of fuchsitic sericite that imparts a vibrant ‘green carbonate’ alteration generally with quartz ankerite stringers locally. There are also ankerite veinlets, dark green chlorite healed micro-fractures and stringers, quartz stringers and veinlets, quartz ankerite stringers and veinlets, and locally pervasive interstitial calcite and calcite stringers. Peripheral to the moderate to strong hydrothermal alteration zones there is a flanking and more distal weaker alteration zone that consist predominantly of calcite stringers and veinlets as well as locally pervasive to patchy interstitial calcite, and by minor weak epidote patches and occasional stringers locally.

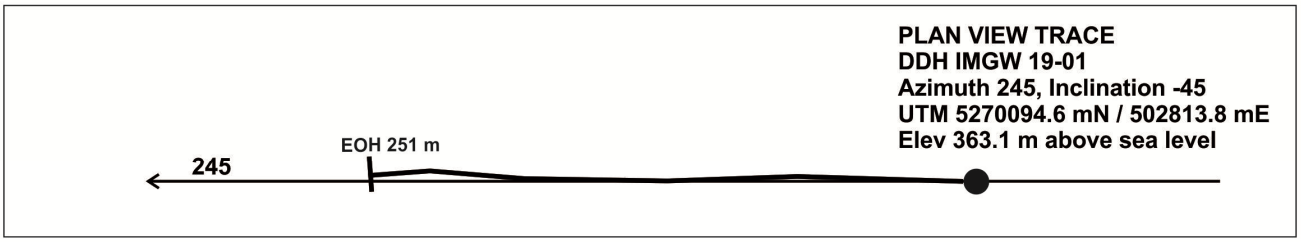
As seen in the drill holes the geological nature of the I.L.G. meta-sedimentary lithological sequence appears to have provided a most favorable host rock lithological sequence as an environment for a gold bearing fluids and an extensive hydrothermal alteration system to develop and become well established. As a result there are extensive core lengths of hydrothermally altered Indian Lake Group meta-sedimentary lithologies with fine grained disseminated 1-5% pyrite and geochemically anomalous to low grade gold mineralization. Within the I.L.G. stratigraphic sequence the fine grained arenite and coarse pebble to cobble polymictic conglomerate are the most favourable host rocks to exhibit a moderate to very strong extensive alteration. This pebble to cobble polymictic conglomerate is characterized by the presence of locally numerous bright red and maroon jasper clasts that are very diagnostic to this lithology. This polymictic conglomerate also appears to have acted as a superb permeable and porous favorable host rock for the migration of hydrothermal fluids causing the pervasive hydrothermal alteration by pervasive chemical replacement and eventual deposition of disseminated pyrite +/- gold as can be readily and visually seen from the geological observations and gold assay results in the drill core.

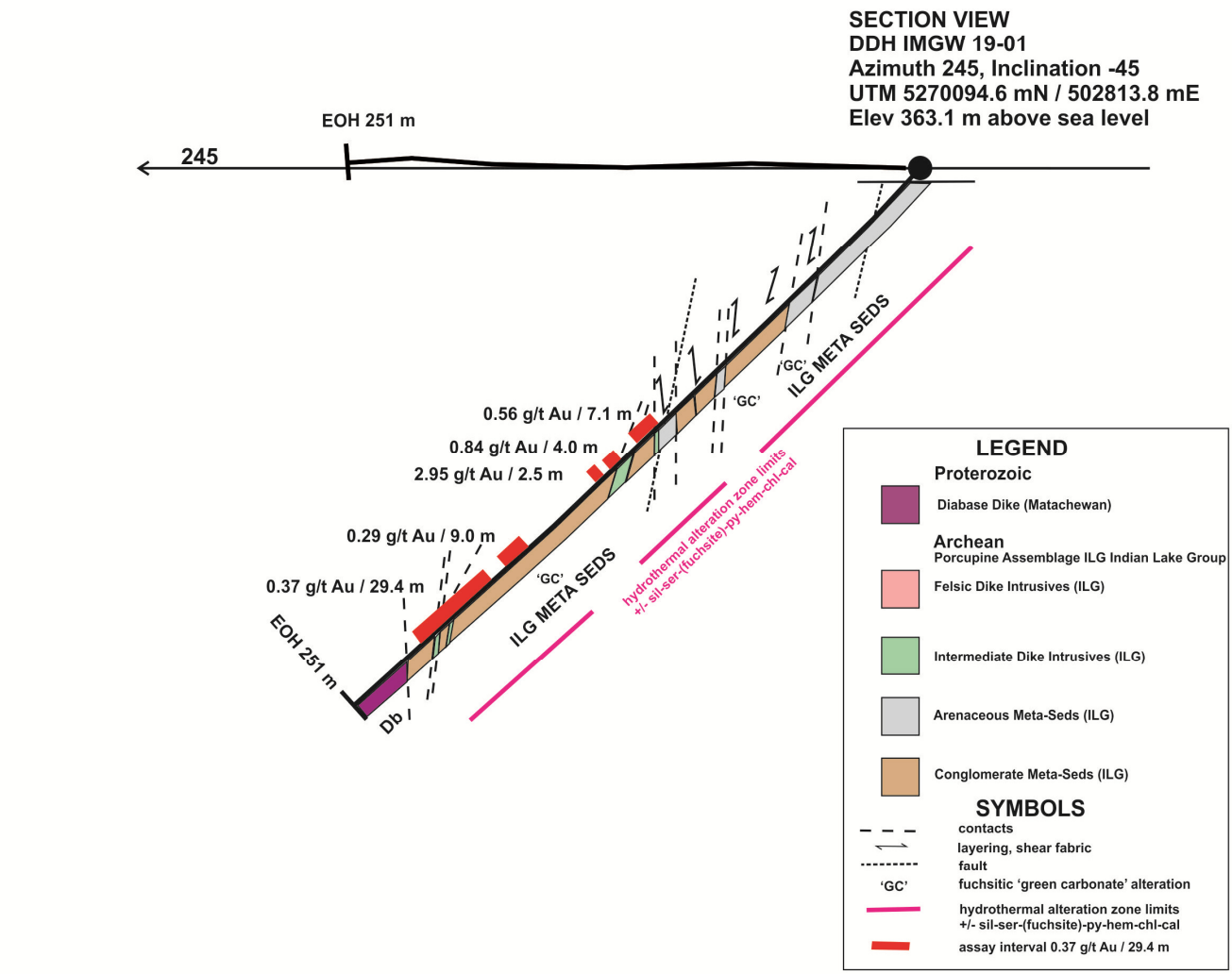
The significant geological result is that the anomalous gold assay results occur within sections of hydrothermal alteration I.L.G. meta-sedimentary lithologies and are associated with fine grained disseminated pyrite and are within the Zone 1 - South Area sampled drill core.
The geology and assay results of the 5 diamond drill holes are illustrated on the following drill sections listed see as follows:

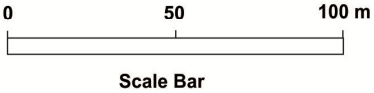
Figure 9. DDH IMGW-19-01, Vertical Drill Section with Plan View Surface Trace;
Figure 10 DDH IMGW-19-02, Vertical Drill Section with Plan View Surface Trace;
Figure 11 DDH IMGW-19-03, Vertical Drill Section with Plan View Surface Trace;
Figure 12 DDH IMGW-19-04, Vertical Drill Section with Plan View Surface Trace;
Figure 13 DDH IMGW-19-05. Vertical Drill Section with Plan View Surface Trace.

These sections clearly illustrate the geological distribution of lithologies, contacts and fabrics, alteration distribution, and weighted gold assay intervals in grams per tonne gold (g/t Au). The hole surface traces projected to surface show minimal azimuth

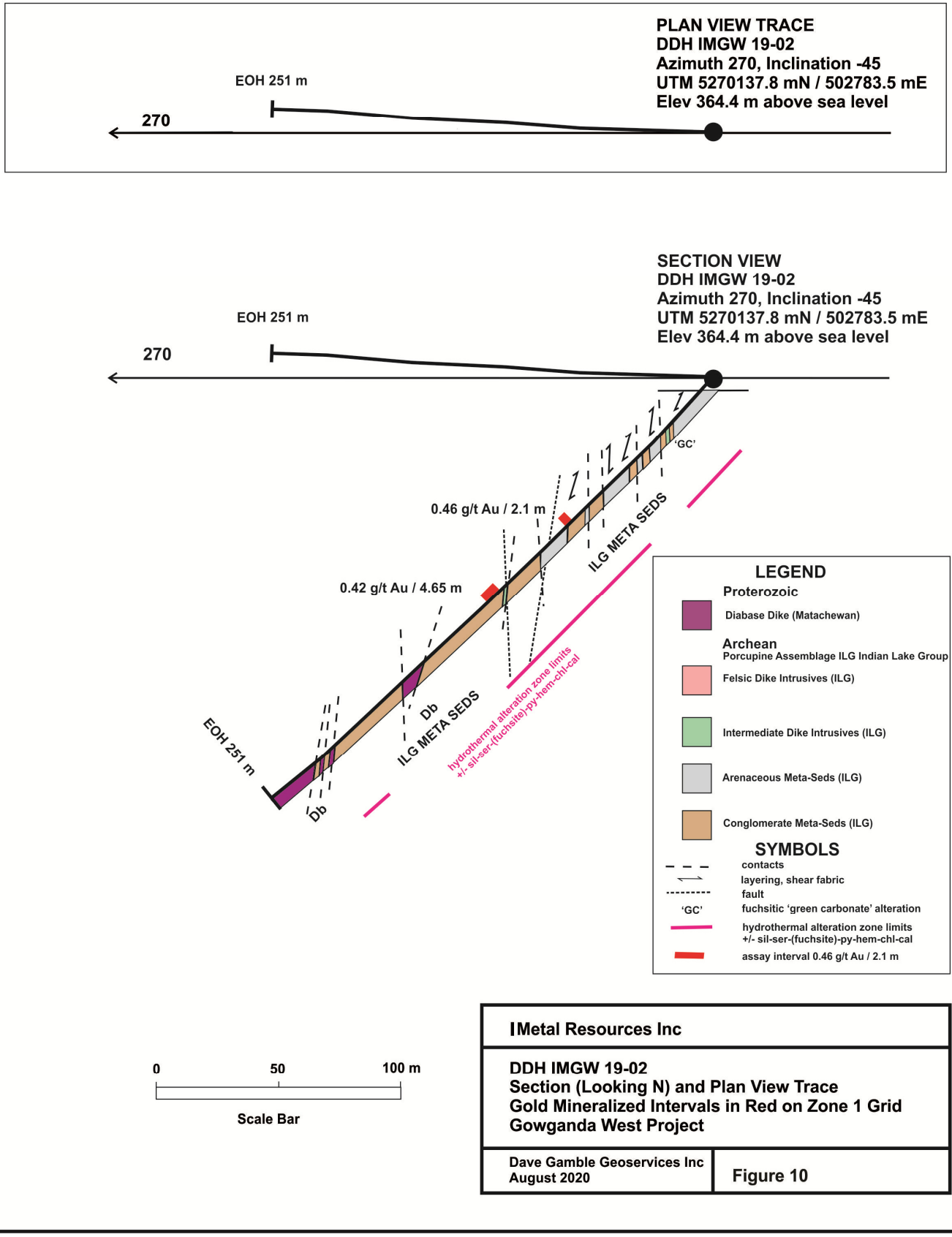
deviation and the vertical section also show minimal deviation in inclination. These 5 holes are relatively shallow drill holes and were drilled to a shallow vertical depth with the end of hole (EOH) reaching approximately 170 meters vertically below surface. The five diamond drill hole vertical sections **see Figures 9 – Figure 13** illustrates the distribution of significant anomalous weighted average gold intervals in g/t Au over the intervals and the clearly exhibits the spatial relationship of these interval to the host lithologies and also in relation to the indicated hydrothermal alteration zones seen in each drill hole.

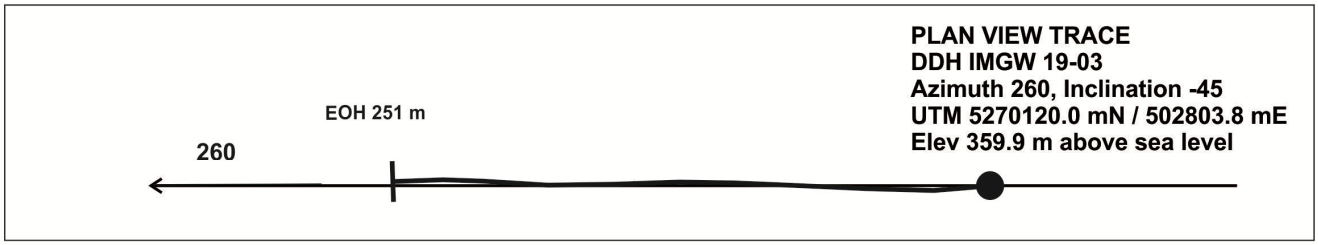


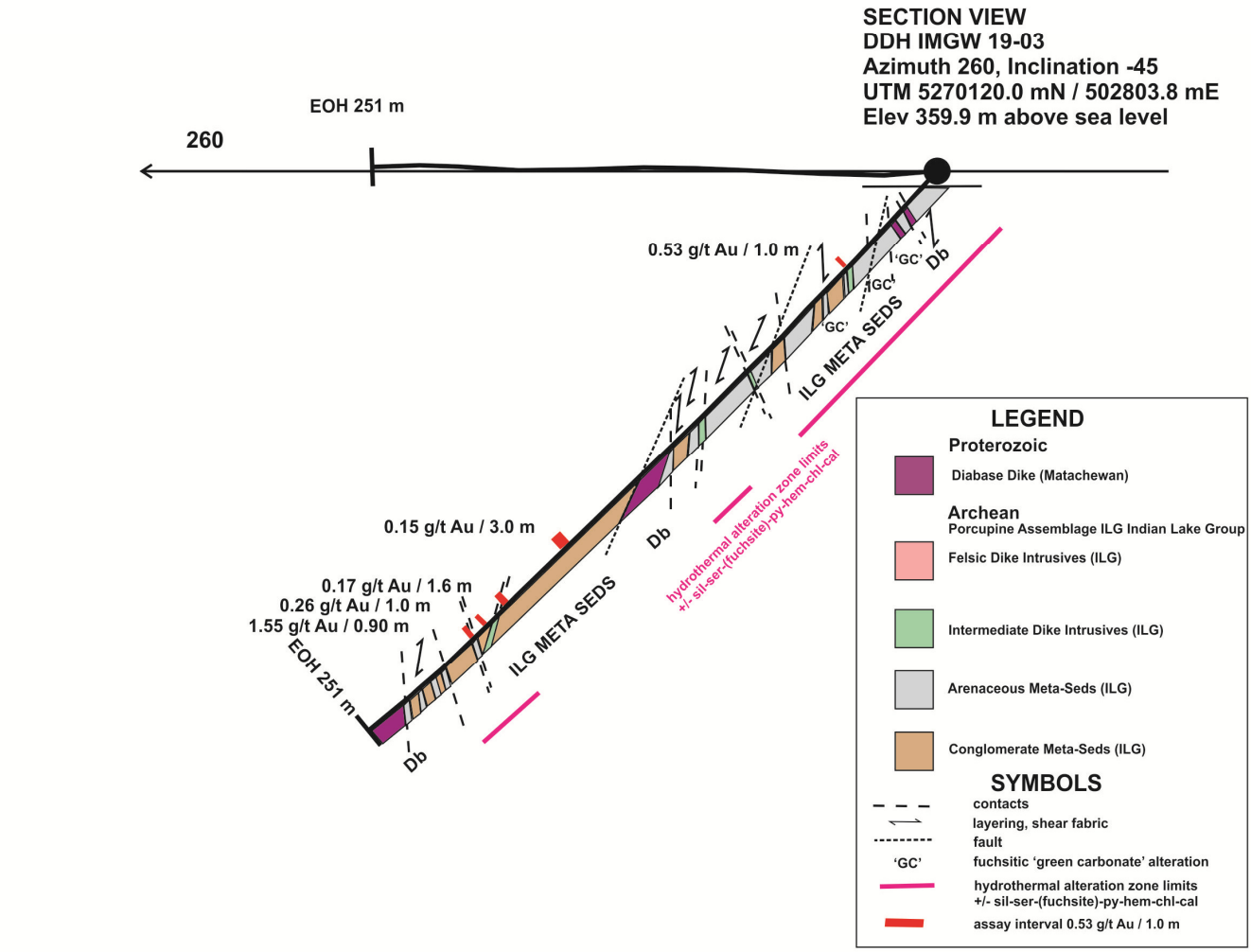


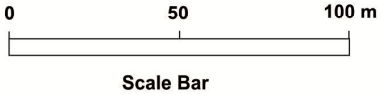


IMetal Resources Inc	
DDH IMGW 19-01 Section (Looking NW) and Plan View Trace Gold Mineralized Intervals in Red on Zone 1 Grid Gowganda West Project	
Dave Gamble Geoservices Inc August 2020	Figure 9

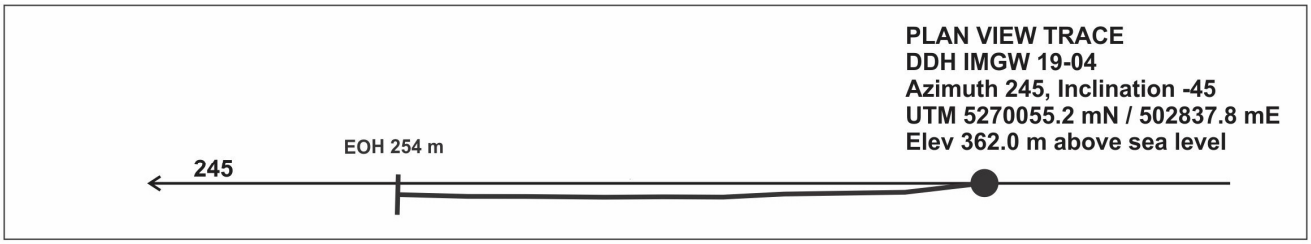

PLAN VIEW TRACE
DDH IMGW 19-02
Azimuth 270, Inclination -45
UTM 5270137.8 mN / 502783.5 mE
Elev 364.4 m above sea level
EOH 251 m
270
SECTION VIEW
DDH IMGW 19-02
Azimuth 270, Inclination -45
UTM 5270137.8 mN / 502783.5 mE
Elev 364.4 m above sea level
EOH 251 m
270
'GC'
0.46 g/t Au / 2.1 m
0.42 g/t Au / 4.65 m
ILG META SEDS
Db
ILG META SEDS
hydrothermal alteration zone limits
+/- sil-ser-(fuchsite)-py-hem-chl-cal
EOH 251 m
Db
LEGEND
Proterozoic
Diabase Dike (Matachewan)
Archean
Porcupine Assemblage ILG Indian Lake Group
Felsic Dike Intrusives (ILG)
Intermediate Dike Intrusives (ILG)
Arenaceous Meta-Seds (ILG)
Conglomerate Meta-Seds (ILG)
SYMBOLS
contacts
layering, shear fabric
fault
'GC'
fuchsitic 'green carbonate' alteration
hydrothermal alteration zone limits
+/- sil-ser-(fuchsite)-py-hem-chl-cal
assay interval 0.46 g/t Au / 2.1 m
0
50
100 m
Scale Bar
IMetal Resources Inc
DDH IMGW 19-02
Section (Looking N) and Plan View Trace
Gold Mineralized Intervals in Red on Zone 1 Grid
Gowganda West Project
Dave Gamble Geoservices Inc
August 2020
Figure 10

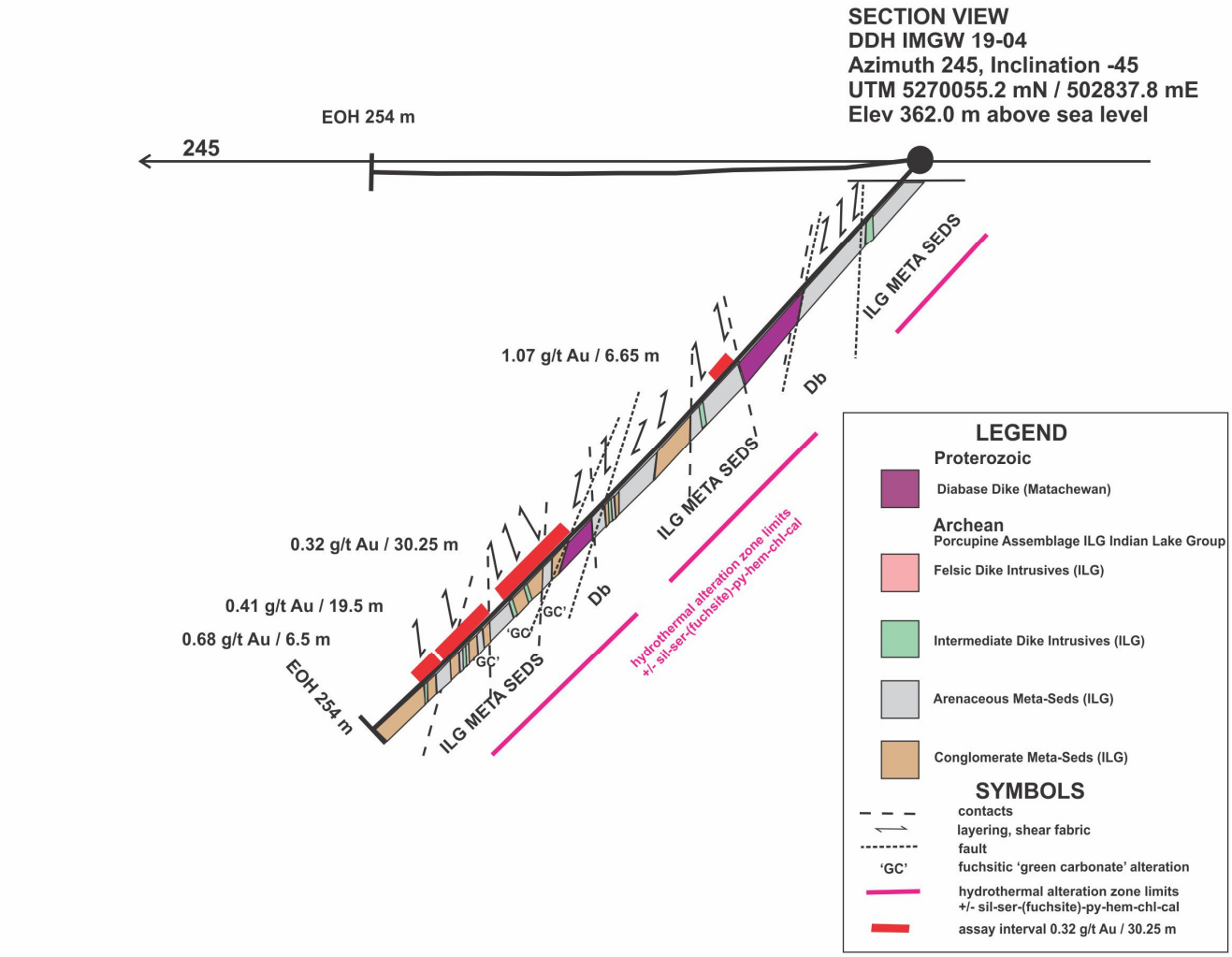


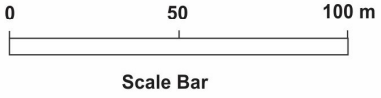




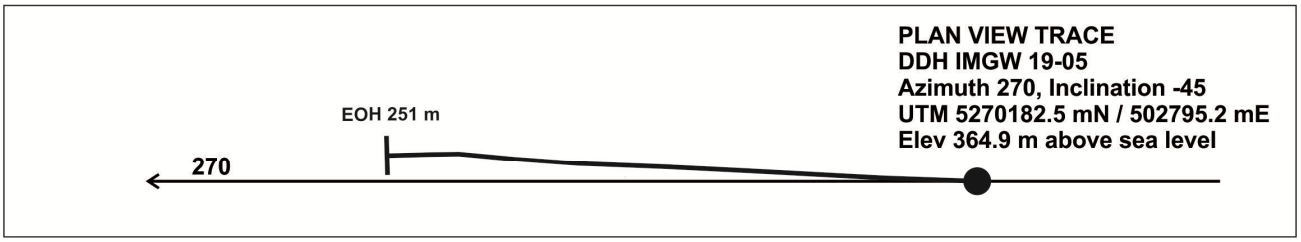
IMetal Resources Inc	
DDH IMGW 19-03 Section (Looking NW) and Plan View Trace Gold Mineralized Intervals in Red on Zone 1 Grid Gowganda West Project	
Dave Gamble Geoservices Inc August 2020	Figure 11

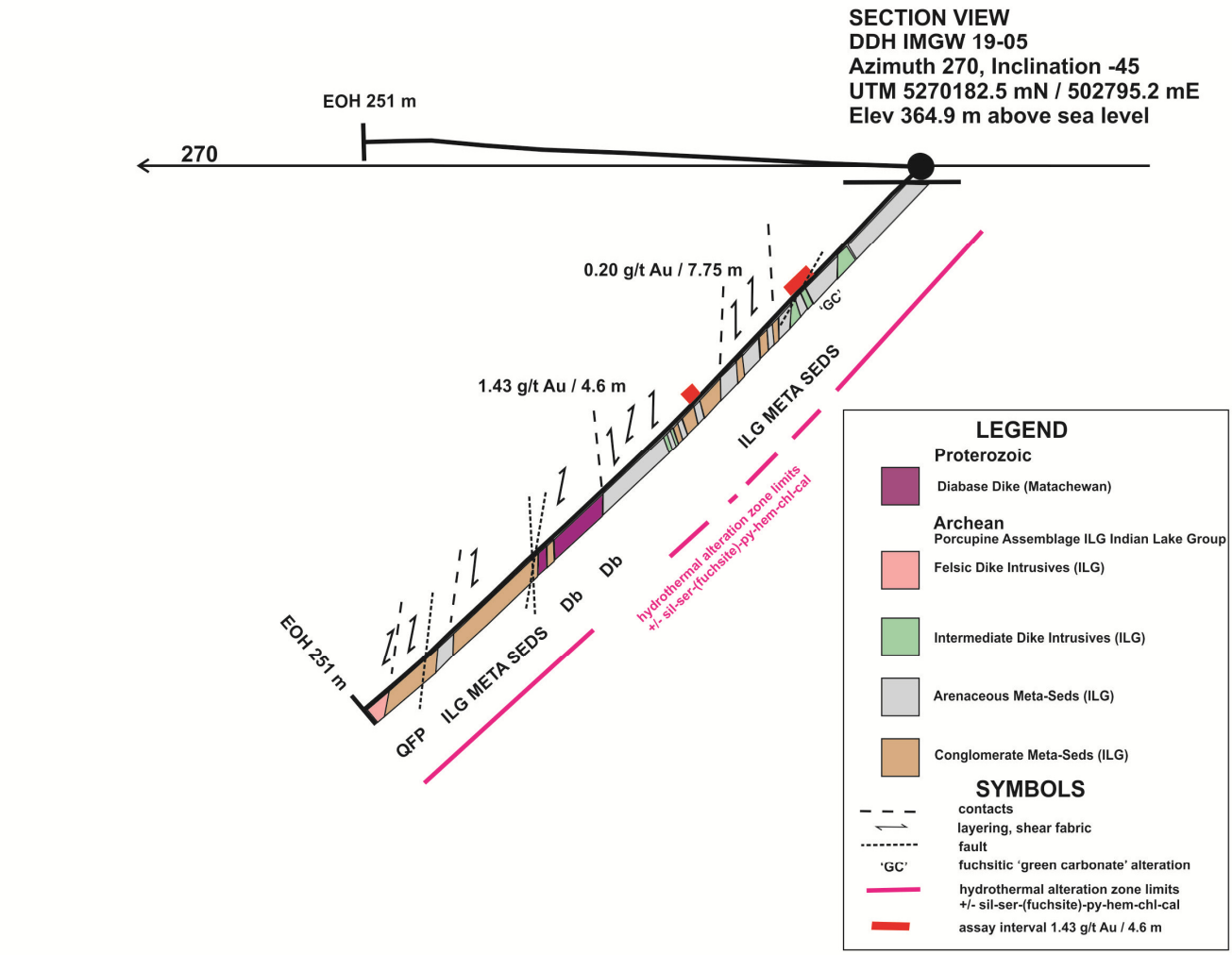


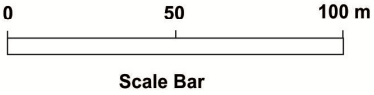




IMetal Resources Inc	
DDH IMGW 19-04 Section (Looking NW) and Plan View Trace Gold Mineralized Intervals in Red on Zone 1 Grid Gowganda West Project	
Dave Gamble Geoservices Inc August 2020	Figure 12







IMetal Resources Inc	
DDH IMGW 19-05 Section (Looking N) and Plan View Trace Gold Mineralized Intervals in Red on Zone 1 Grid Gowganda West Project	
Dave Gamble Geoservices Inc August 2020	Figure 13

ASSAY RESULTS FROM JAN-FEB DRILL PROGRAM

A total of 737 sample intervals totaling 572.85 meters of core were diamond saw cut and the one-half portion of each interval of the halved core were assayed for gold by Activation Laboratories (Actlabs) at their Timmins Ontario sample prep and assay laboratory facility. The remaining halved core is retained in the iMetal Resources Inc core storage facility for a permanent core storage record.

For quality control and assurance a total of 34 external standards and 41 external blanks were also inserted and included into the sample stream within each core batch that were submitted to Actlabs for sample preparation and assayed for gold. A total of 812 assays are reported in the assay data set that includes all split core, standards and blanks. All standards and blanks were determined and placed into the sample set by the author on behalf of iMetal Resources Inc. The following table below summarizes the distribution of the number of core sample assayed and meters represented, the numbers of external standards and external blanks were inserted into the sample stream for each of the current drill holes, see Table 1. Distribution of Samples Assayed

Table 1. Distribution of Samples, Standards and Blanks Assayed per Drill Hole

DDH ID #	# of Gold Assays	# of Intervals	meters sampled	# standards	# blanks
IMGW-19-01	199	184	135.95 m	9	6
IMGW-19-02	95	86	69.25 m	4	5
IMGW-19-03	143	132	112.25 m	6	5
IMGW-19-04	209	184	117.40 m	8	17
IMGW-19-05	166	151	138.00 m	7	8
TOTALS	812	737	572.85 m	34	41

The results from extensive sampling and gold assaying from all 5 drill holes tested from the Zone 1 - South Area have returned both locally short core length intervals as well longer extensive core length intervals of geochemically anomalous to low grade gold mineralization. Some of noteworthy and significant intersections greater than 0.2 gm /tonne Au are highlighted below holes drilled. Especially noteworthy are the extensive core length intervals with low grade intersections encountered (in bold) as see in DDH IMGW-19-01 and in -04 below.

The assay results for the 5 diamond drill hole 2019 program supports the geological observations that the gold mineralization encountered to date appears to be part of, proximal to, and within an extensive large near surface hydrothermal alteration with associated pyrite and gold mineralizing system. The fine grained arenite and pebble and coarse pebble to cobble conglomerate with the red jasper clasts is a common host for the hydrothermal fluid migration, alteration and eventual deposition of 1-5% fine grained disseminated pyrite and geochemically anomalous to low grade gold mineralization. The granular nature of the Indian Lake Group meta-sedimentary lithological sequence appears to have provided an excellent and a most favourable permeable and porous host rock geological environment for a gold bearing hydrothermal alteration system to develop, become well established and preserved. It appears that this gold bearing

hydrothermal system was allowed to percolate through a large volume of this favourable host rock and to develop a strong and extensive alteration assemblage and also to have widespread deposition of disseminated pyrite with associated gold mineralization.
As a result there are locally extensive core length intervals of geochemically anomalous to low grade gold mineralization as can be seen from the assay results that have been returned to date from the current drill testing on the Zone 1 - South Area.

The results from extensive sampling and gold assaying from all 5 drill holes tested from the Zone 1-South Area have returned both locally short core length intervals as well longer extensive core length intervals (weighted averages in g/t Au over longer intervals) of geochemically anomalous to low grade gold mineralization. Some of noteworthy and significant weighted averaged intersections greater than 0.2 gm /tonne Au are highlighted below. Especially noteworthy are some extensive core length intervals with grams/tonne gold (g/t Au) intersections (in bold) as seen in DDH IMGW-19-01 and in DDH IMGW-19-04 below.

DDH IMGW-19-01
0.56 g/t Au over 7.1 m at 118.4-125.5 m
0.84 g/t Au over 4.0 m at 135.0-139.0 m
2.95 g/t Au over 2.5 m at 141.5-144.0 m
0.29 g/t Au over 9.0 m at 175.0-184.0 m
0.37 g/t Au over 29.4 m at 191.0-220.4 m

DDH IMGW-19-04
1.07 g/t Au over 6.65 m at 89.35-96.0 m
0.32 g/t Au over 30.25 m at 165.4-195.65 m
0.41 g/t Au over 19.5 m at 202.0-221.5 m
0.68 g/t Au over 6.5 m at 223.5-230.0 m

For a complete list for all five drill holes that illustrate the significant assay data results either as an individual short assay interval or as weighted averages over longer intervals with assay values in g/t Au (grams per tonne gold), see Table 2 for DDH Location Data and Comments on Au Assay Results. This table also summarizes the drill hole statistics as to drill collar locations as UTM and as related to the surface cut grid, the elevation of the collars, the azimuths and hole inclination at the collars, and end of hole in meters.

Also See Table 3 for Assay Results for DDHs IMGW 19-01, -02, -03, -04, and -05 for all assays generally greater than 0.25 g/t Au depending on core lengths and/or frequency of nearby intervals and are either reported as individual short assay over the metric interval or as a weighted average over a longer interval with the assay values in g/t Au (grams per tonne gold) over the interval in meters.

The five diamond drill hole vertical sections see Figure 9 – Figure 13 that illustrates graphically the distribution of significant anomalous weighted average gold intervals in g/t Au over the indicated meter intervals. These sections also exhibits the spatial relationship of these anomalous gold bearing intervals to the host lithologies and as well as to the indicated hydrothermal alteration zones identified in the holes.

Table 2. DDH's IMGW-19-01, -02, -03, -04, -05 Collars Locations Co-ordinates as UTM mN/mE & as Surface Grid Co-ordinates as Line mN & Stns mE, Elevations a.s.l. (above sea level), Hole Azimuths & Inclinations in degrees, EOH in meters (end of hole), & Comments on Assay Results Showing the Significant Weighted Averages g/t Au (grams per tonne gold) Over the Indicated Core Length Intervals with Values Greater than (>) 0.25 g/t Au in Bold Type

Hole ID	Collar UTM mN/mE & Surface Grid Co-ords mN/mE	Elev a.s.l. (m)	Azimuth/Dip degrees	EOH CL (m)	Comments All Au assays in grams per tonne Gold (g/t Au) Weighted Averages in core length intervals in meters
IMGW-19-01	5270094.6 mN	363.1m	245.0/-45	251.0	extensive hydrothermal alteration in ILG meta-seds
	502813.7 mE				**0.29 g/t Au over 5.8 m at 89.2 - 95.0 m**
					0.56 g/t Au over 7.1 m at 118.4 - 125.5 m
	L0+90mN/1+20 mE				**0.84 g/t Au over 4.0 m at 135.0 - 139.0 m**
					2.95 g/t Au over 2.5 m at 141.5 - 144.0 m
					0.29 g/t Au over 9.0 m at 175.0 - 184.0 m
					0.37 g/t Au over 29.4 m at 191.0 - 220.4 m
IMGW-19-02	5270137.8 mN	364.4 m	270.0/-45	251.0	**0.42 g/t Au over 4.65 m at 119.35 - 124.0 m**
	502783.5 mE				
	L1+40mN/0+85mE				
IMGW-19-03	5270120.0 mN	359.9m	260.0/-45	251.0	**0.53 g/t Au over 1.0 m at 40.0 - 41.0 m**
	502803.8 mE				0.12 g/t Au over 6.0 mat 163.0 - 169.0 m
					1.55 g/t Au over 0.9 m at 219.0 - 219.9 m
	L1+15mN/1+00mE				
IMGW-19-04	5270055.2 mN	362.0m	245.0/-45	254.0	extensive hydrothermal alteration in ILG meta-seds
	502837.8 mE				**1.07 g/t Au over 6.65 m at 89.35 - 96.0 m**
					0.32 g/t Au over 30.24 m at 165.4 - 195.65 m
	L0+55mN/1+30mE				**0.41 g/t Au over 19.5 m at 202.0 - 221.5 m**
					0.68 g/t Au over 6.5 m at 223.5 - 230.0 m
IMGW-19-05	5270182.5 mN	364.9m	270.0/-45	251.0	**0.20 g/t Au over 7.75 m at 50.0 - 57.75 m**
	502795.2 mE				0.16 g/t Au over 2.95 m at 68.0 - 70.95 m
					0.71 g/t Au over 1.0 m at 98.0 - 99.0 m
	L1+90mN/0+95mE				**1.43 g/t Au over 4.6 m at 102.0 - 106.6 m**

Table 3. Assay Results Showing Weighted Averages g/t Au Over Core Length Intervals With Values Greater than (>) 0.25 gms/tonne Au Highlighted in Green for DDH's IMGW-19-01, 19-02, 19-03, 19-04, and 19-05

Drill Hole ID	From (m)	To (m)	Intersection core length (m)	Au gms/tonne > 0.25 g/t highlighted
IMGW 19-01	56.10	56.85	0.75	0.12
	73.15	75.4	2.25	0.19
	89.2	95.0	5.8	0.29
incl.	92.3	95.0	2.7	0.42
	118.4	125.5	7.1	0.56
incl.	123.5	125.5	**2.0**	**1.15**
	135.0	139.0	4.0	0.84
incl.	136.7	138.0	**1.3**	**1.90**
	141.5	144.0	2.5	2.95
incl.	142.0	143.5	**1.5**	**4.77**
	175.0	184.0	9.0	0.29
incl.	178.0	182.0	4.0	0.35
incl.	179.0	181.0	2.0	0.49
	191.0	220.4	**29.4**	**0.37**
incl.	197.3	199.4	2.1	0.53
incl.	204.0	207.0	3.0	0.60
incl.	212.5	214.65	**2.15**	**0.99**
incl.	215.4	216.3	**0.9**	**1.15**
incl.	216.8	220.4	3.6	0.52
& incl.	219.0	220.4	**1.4**	**3.30**
	227.4	229.35	1.95	0.21
IMGW 19-02	14.8	15.60	0.80	0.23
	20.0	20.5	0.5	0.18
	21.0	21.9	0.9	0.13
	83.0	85.1	2.1	0.46
	87.35	88.0	0.65	0.21
	117.8	118.05	**0.25**	**1.30**
	119.35	124.0	4.65	0.42
incl.	119.35	119.65	**0.30**	**4.60**
incl.	120.6	121.6	1.0	0.26
	128.0	129.0	1.0	0.26
	132.0	133.0	1.0	0.59
	142.5	144.6	2.1	0.29
	216.0	216.75	0.75	0.26

IMGW 19-03	40.0	41.0	1.0	0.53
	163.0	169.0	6.0	0.12
	219.0	219.9	0.9	1.55
IMGW 19-04	25.4	25.9	0.5	0.72
	89.35	96.0	6.65	1.07
	105.25	108.25	3.0	0.29
	165.4	195.65	**30.25m**	**0.32**
incl.	190.8	193.85	3.05m	0.94
incl.	192.0	193.85	1.85m	1.34
	202.0	221.5	**19.5m**	**0.41**
incl.	203.4	205.2	1.8	1.25
incl.	216.0	217.5	1.5	0.75
incl.	209.2	211.0	1.8	0.78
	223.5	230.0	**6.5**	**0.68**
incl.	223.5	226.0	2.5	1.19
IMGW 19-05	50.0	57.75	7.75	0.20
	68.0	70.95	2.95	0.16
	98.0	99.0	**1.0**	**0.71**
	102.0	106.6	4.6	1.43
incl.	103.0	104.0	1.0	6.13
	146.5	147.8	1.3	0.19
	205.0	206.0	1.0	0.15
	207.0	208.0	1.0	0.21

It should be noted that in the **Sample Data Log** file is the complete set of all samples in this drill program that have been assayed for gold, **see in Appendix A** for a detailed sample description for each interval, lengths in meters for of each sample interval, all sample descriptions, Au (gold) assay results in ppm or grams per tonne, the core length X assay product that is required to calculate the weighted averages over more than one sample interval for all drill holes in this assessment report.

In addition the complete data set of all **Assay Certificates** and List of **Gold Assay Results** received from Activation Laboratories Ltd for all drill core samples submitted for gold analysis in this Assessment Report received from Activation Laboratories Ltd for all samples in this exploration program are included and are included, **see in Appendix B** of this assessment report.

Quality Assurance/Quality Control

iMetal Resources drill program employs diligent standards in drill core sampling and quality assurance/quality control. Core from the above holes was sent to Activation Laboratories Ltd. (Actlabs), ISO certified, carried out the sample analysis in its Timmins, Ontario, facility. Samples were subjected to Actlabs' RX1 sample preparation which consists of crushing the entire sample to 80% and riffle splitting and pulverizing a 350-gram split to 95%. A 50-gram sub-sample of the pulverized sample was subjected to Actlabs' 1A2-50 analysis (fire assay with AA finish) and any analysis over 3000 ppb was re-assayed using Actlabs' 1A3-50 analysis (fire assay with gravimetric finish). Actlabs is independent of the company and has used internal quality assurance/quality control protocols.

For all external **Contracting Service and Invoices** see in **Appendix C** for the following:

- Contract Diamond Drilling by Laframboise Drilling Inc.
- Gold Assaying by Activation Laboratories Ltd.
- Geological Consulting Services by Dave Gamble Geoservices Inc.

INTERPRETATIONS

The Zone 1 South Area was drill tested with 5 diamond drill holes totaling 1,258 meters where all the drill holes have been interpreted to have intersected the Archean aged Indian Lake Group (I.L.G) clastic meta-sedimentary lithologies. The I.L.G. meta-sedimentary lithologies include mudstone, arenite and conglomerate that have been intruded by comagmatic intermediate composition weak porphyritic chlorite after hornblende aplitic dikes and by felsic composition feldspar +/- quartz porphyry dikes. Early Proterozoic narrow Matachewan diabase dikes with finely disseminated magnetite and exhibiting a moderate to strong magnetic signature cut the meta-sedimentary lithological sequence locally.

The most recent geochronological age dating for the meta-sedimentary succession and comagmatic intermediate and felsic dikes (after Ayers et al 2013) indicates the I.G.L. is 2690-2680 Ma and is Archean aged and is therefore interpreted as part of the Porcupine Assemblage within the Abitibi Greenstone Belt in Ontario. The I.L.G. meta-sedimentary conglomerate lithology exhibits spectacular bright red to maroon red jasper grit, granules, and pebbles to cobbles that are also very commonly found as part of the host sequence at the Juby gold deposit. Similar red jasper bearing conglomerate lithologies that are slightly younger also occur within the Timiskaming Assemblage 2676-2670 Ma. The Timiskaming conglomerate commonly occurs associated with and interpreted to be a significant lithology within the regional significant gold camps both at and near Kirkland Lake and Timmins Ontario.

All 5 drill holes carry variable gold mineralization and is strongly associated with very fine grained disseminated trace-5% pyrite and with occasional trace chalcopyrite locally and has been interpreted as part of a significant mineralizing system. This mineralization occurs within all of the meta-sedimentary lithologies and especially prevalent within the lengthy I.L.G. conglomerate lithologies and associated within sections that exhibit strong pervasive hydrothermal alteration. The assay results for the 5 diamond drill hole program indicates that the pyrite-gold mineralization encountered to date appears to be part of and within an interpreted extensive large presently near surface hydrothermal alteration and gold mineralizing system. This interpretation is based upon the I.L.G. meta-sedimentary sequence that in all 5 drill holes exhibit sections of drill core with moderate to strong hydrothermal alteration that varies from short less than 2 meter intervals up to much longer core length intervals from 2 to greater than 40 meter core length intervals.

In addition to fine grained pyrite and anomalous gold this hydrothermal alteration assemblage visually consists of pervasive bleaching and silicification and with local patchy to pervasively reddened by hematization and/or by some development of potassium feldspar. There are noticeable flecks, wisps, filament and lamellae of yellow to yellow beige sericite to locally pervasive sericite. There are also local sections of fuchsitic sericite that imparts a vibrant ‘green carbonate’ alteration generally with quartz ankerite stringers locally. There are also ankerite veinlets, dark green chlorite healed micro-fractures and stringers, quartz stringers and veinlets, quartz ankerite stringers and veinlets, and locally pervasive interstitial calcite and calcite stringers. Peripheral to the moderate to strong hydrothermal alteration zones there is a flanking and more distal weaker alteration zone that consist predominantly of calcite stringers and veinlets as well as locally pervasive to patchy interstitial calcite, and by minor weak epidote patches and occasional stringers locally.

This pyrite-gold bearing mineralizing system characterized by extensive hydrothermal alteration is interpreted to have been driven by quartz feldspar porphyry and/or by feldspar porphyry dikes or by a larger parent deeper intrusion as the potential heat source that drives the alteration system.

The permeable and porous nature of the I.L.G. meta-sedimentary lithological sequence is interpreted to have provided a favorable host environment for a gold bearing hydrothermal system to develop and become established. As a result, there are extensive core lengths of geochemically anomalous to low grade gold mineralization with fine grained disseminated pyrite as can be seen from the results that have been returned for the drill testing on the Zone 1-South Area.

Especially noteworthy are several extensive core length intervals with anomalous and low grade g/t Au (grams/tonne gold) intersections seen in **DDH IMGW-19-01** that returned weighted averages with **0.29 g/t Au over 9.0 m at 175.0-184.0 m** and followed by **0.37 g/t Au over 29.4 m at 191.0-220.4 m.**

Extensive core length intervals with anomalous and low grade g/t Au intersections are also seen in **DDH IMGW-19-04** with **0.32 g/t Au over 30.25 m at 165.4-195.65 m,** and followed by **0.41 g/t Au over 19.5 m at 202.0-221.5 m,** and followed by **0.68 g/t Au over 6.5 m at 223.5-230.0 m** for an approximate aggregate total interval of 55.4 meters.

Some higher grade intercepts have included 2.95 g/t Au over 2.5m (IMGW-19-01), 1.55 g/t Au over 0.9m (IMGW-19-03), 1.43 g/t Au over 4.6m (IMGW-19-05) and 1.07 g/t Au over 6.65m (IMGW-19-04)

The results from extensive sampling and gold assaying from a total of 737 sample intervals totaling 572.85 meters of gold assay results are significant and positive results especially at this early stage into the exploration program on the Gowganda West Gold Project.

CONCLUSIONS

The primary conclusion from this initial diamond drilling exploration program of 5 holes totaling 1258 meters to test surface gold showings on Zone 1 – South Area by iMetal Resources Inc on their Gowganda West Gold Project has resulted in a very successful program. This drilling and gold assaying program has produced both extremely positive geological data results and very positive gold assay results to date.

The geological results from the drill program have encountered the favourable porous and permeable meta-sedimentary sequence that has been identified by recent geochronological dating in the area as the Indian Lake Group, and part of the Porcupine Assemblage, (after Ayers et al 2013). The permeable and porous nature of the I.L.G. meta-sedimentary lithological sequence and the extensive distribution of this assemblage that extends from southern Tyrrell Township southward well into southern Leonard Township offers a very interesting and extensive corridor, belt or meta-sedimentary basin with a excellent potential for future gold exploration programs.

The anomalous gold assay results from the drill program have established the association of the presence of gold with fine grained disseminated pyrite. There are extensive core length intervals of geochemically anomalous to low grade gold mineralization that have been returned from the drill testing on the Zone 1 – South Area. This pyrite-gold association is the mineralization event that is interpreted to be within and part of an extensive large near surface hydrothermal alteration system. The geological data of porous and permeable lithologies coupled with the alteration data with extensive alteration mineralogy, and occurring with visually extensive core length intervals supports the interpretation and presence of such a pyritic-gold bearing hydrothermal alteration system.

RECOMMENDATIONS

Based on receiving these initial drill results it was recommended at the time that a surface cut grid be established to cover a larger area to adequately cover the showings and extensions of these showings of Zone 1 - South and North areas in Tyrrell and also extend southward into Leonard Township.

Once a surface control grid is established over Zone 1 grid area it is further recommended that a follow-up Induced Polarization Survey be conducted by Abitibi Geophysics using their Ore Vision I.P. system to identify anomalous chargeability and resistivity targets for follow up drill testing. The I. P. response and target definition would be characterized by high resistivity targets being attributed to pervasive silicification and bleaching, and the corresponding high chargeability target being attributed to fine grained disseminated pyrite.

It should be noted that this initial drilling at Zone 1 - South Area did not have the benefit of the results from a helicopter-borne geophysical survey VTEM Plus (Versatile Time Domain Electromagnetic (VTEM Plus) and Horizontal Magnetic Gradiometer survey) flown in December 2018 by Geotech Ltd. over the Gowganda West Gold Project for iMetal Resources Inc. The results and report of the VTEM Survey was received post drilling (April 2019) and a number of airborne targets were located along trends to the east, to the west and to the south of Zone 1 areas. All of the VTEM targets were recommended for ground follow-up prospecting and surface sampling in order to ground proof the VTEM geophysical anomalous responses within those areas for potential of follow-up ground geophysical I.P. surveys in order to accurately locate and develop targets for future drill testing.

In addition, it should also be noted that this initial drilling at Zone 1 - South area did not have the benefit of the results from the establishment of a surface control grid with a ground follow-up Induced Polarization Survey that was conducted by Abitibi Geophysics using their Ore Vision I.P. system in July-August 2019 in order to identify anomalous chargeability and resistivity targets for follow up drill testing. The Abitibi Geophysics Ore Vision I.P. report was received in early October 2019 with numerous ground geophysical I.P. targets identified and recommended as targets for follow up drill testing throughout the surveyed areas.

It is therefore strongly recommended that the helicopter-borne geophysical survey VTEM Plus (Versatile Time Domain Electromagnetic (VTEM Plus) and Horizontal Magnetic Gradiometer survey) be flown to cover the remaining Indian Lake Group meta-sedimentary assemblage in Leonard Township and to tie onto the 2019 airborne VTEM survey block. This additional survey would effectively cover the entire area of the Indian Lake Group meta-sedimentary belt that extends 8.0 kilometers north–south by 4-5 kilometers east–west width on the iMetal Resources Inc property in this area.

It is therefore also strongly recommended to carry on with ground follow-up geophysical surveys over selected VTEM target areas. This would require an ongoing program of cut grid preparation and ground geophysical Induced Polarization Surveys using Abitibi Geophysics Ore Vision I.P. system to develop future drill targets in this pyrite-gold bearing hydrothermal alteration system.

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AUTHORS CERTIFICATE

I hereby certify that I, A. P. David Gamble of 378 Grenfell Road, Kenogami Lake, RR #2, Swastika, Ontario, P0K 1T0, hereby certify that:

1. I am a Consulting Geologist, and reside at the above address.

2. I graduated from University of Ottawa with an Honors Bachelor of Science degree in 1973, and also have completed two years of graduate school courses leading towards a M. Sc. degree (geology) at Laurentian University (1974-1976).

3. I am a member in good standing as a registered geoscientist with the Association of Professional Geoscientists of Ontario, APGO Member No 0618. I am also a member of the Geological Association of Canada, I am also a member of the Society of Economic Geologists, and I am a director of the Northern Prospectors Association and a member of the Ontario Prospectors Association.

4. I have been practicing my profession in Canada for the past +44 years, and have been responsible for exploration programs carried out in the Abitibi Subprovince for +37 years. In this regard the author acquired knowledge of the geology, mineral deposits, exploration potential and exploration activities in the Abitibi Greenstone Belt of Ontario and Quebec.

5. I am a "Qualified Person" as defined in NI 43-101, and responsible for all portions of this report not subject to disclaimer.

6. I have carried out the diamond drill core logging and related technical work covered in this Diamond Drill Logs Report for iMetals Resources Inc.on the Gowganda West Gold Project in Tyrrell Township, Larder Lake Mining Division.

7. I hold no direct interest in the mining claims ownership of the Gowganda West Gold Project Property. I do hold a Stock Option Plan Option Certificate to acquire common shares from iMetal Resources Inc.

Respectfully submitted,
A. P. David Gamble, B. Sc., P. Geo.
APGO Member 0618
Dated at Kenogami Lake, Grenfell Twp.,
This 21st day of October, 2020

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APPENDIX A

GLOSSARY ABBREVIATIONS & QUALIFIERS USED IN ALL LOGS

General:

Hole ID	hole identification
UTM E	Universal Transverse Mercator Grid in meters
UTM N	Universal Transverse Mercator Grid in meters
GPS	Global Positioning System
cts	contacts
LCt, UCt	Lower contact, Upper contact
TCA	to core axis
locy	locally
occ'l	occassional
EOH	end of hole in meters drilled
cgs, c.g.s.	centimeter.gram.seconds units for SM-5 magnetic susceptibility meter

Lithologies:

I.L.G.	Indian Lake Group
Meta-Sediment Rx	Meta Sedimentary Rock
Smdst	sedimentary mudstone
Sslst	sedimentary siltstone
Sqtz sst, Sqtz ar	sedimentary quartz sandstone, sedimentary quartz arenite
Sar, Sar gw	sedimentary arenite, sedimentary arenite greywacke
Scgl, Spolymic cgl	sedimentary conglomerate, sedimentary polymictic conglomerate
Intermed Intrusive	intermediate intrusive
Ap Dk, Ap, Ap dklet	aplite dike, aplite, aplite diklet
Fels intrus	felsic intrusive
QFP	quartz feldspar porphyry
FQP	feldspar quartz porphyry
Qtz(Q) Fsp Intrus	quartz feldspar intrusive
DbDk	diabase dike
Dk, dk	dike
'GC', GC	green carbonate
O/B	overburden

Colour:

gry	grey
gn	green
brn	brown
blk	black
wht	white
pa	pale
lt	light
med	medium
dk, drker	dark, darker
bleach'd, bleched	bleached

Grain size & Textures

aph, aphan	aphanitic
fg	fine grained
mg	medium grained
cse g, v cse g	coarse grained, very coarse grained
wk, wkly	weak, weakly
mod	moderate
str	strong
gran-gritty	granular gritty

peb, pebls	pebble, pebbles
pebs cobs	pebbles cobbles
bldrs	boulders
bx	breccia
polymic	polymictic

Alteration, Minerals & Textures:

alt'd	altered
alt'n	alteration
dissem	disseminated
incls	inclusions
intercalat'd	intercalated
inters, interst	interstitial
perv	pervasive
porph Xlls	porphyritic crystals
por micro Xlls	porphyritic micro crystals
replacmnt	replacement
amphib	amphibole
ank	ankerite
aspy	arsenopyrite
cal	calcite
carb	carbonate
chl	chlorite
cpy	chalcopyrite
epid	epidote
ferromag	ferro-magnesium
fsp, k fsp	feldspar, potassium feldspar
hem	hematite
mgt	magnetite
plag	plagioclase feldspar
py, fg d py	fine grained disseminated pyrite
qtz	quartz
qank	quartz ankerite
qtzo	quartzo-
QV	quartz vein
strgs	stringers
ser	sericite
sil, sil'd, silic'd	siliceous, silicified
trc, tr	trace
vns, vnlets	veins, veinlets
Xlls	crystals
Xlline	crystalline
Xllites	crystallites

Structural:

frct'd, frcts	fractured, fractures
micro frcts	microfractures
heal'd micro frcts	healed microfractures
brkn	broken
bx'd, brecciat'n, bxn	brecciated, brecciation
gg	gouge
FZ, FLT BX Zone	Fault Zone, Fault Breccia Zone
SZ	shear zone
heal'd	healed
FLT, flt	fault
Foli, foliat'd	foliation, foliated

DETAILED DIAMOND DRILL HOLE LOG SHEETS

Collar Log file, Survey Log file, Geology Lithology Log file, Sample Data Log file, Alteration Log file, Fault Shear Structural Log file, Rock Quality Index (RQD) and Magnetic Susceptibility Log file for the following Diamond Drill Holes.

DDH # IMGW-19-01

DDH # IMGW-19-02

DDH # IMGW-19-03

DDH # IMGW-19-04

DDH # IMGW-19-05

All five diamond drill holes list above are signed off as completed as of September 16th 2019 by A.P. David Gamble P.Geo and Q.P. and the Consulting Geologist who logged all the core on this project and is the author of this Assessment Report for iMetal Resources Inc., Gowganda West Gold Project.

FOR THE FIVE DIAMOND DRILL LOGS SEE ACCOMPANYING SEVEN DETAIL LOG .pdf FILES THAT ARE AS FOLLOWS:

COLLARS LOG

SURVEYS LOG

GEOLOGY LITHOLOGY LOG

SAMPLE DATA LOG

ALTERATION LOG

FAULT SHEAR STRUCTURAL LOG

ROCK QUALITY INDEX AND MAGNETIC SUSCEPTIBILITY LOG

COLLARS

Hole_ID	Project	UTM m North	UTM m East	Elevation	Azimuth	Dip	Length	Units	Core_Size	Casing	Cap	Cement	Survey	Target_1	Township	Logged_By
				meters asl	deg	deg	meters			NW			Reflex			
IMGW-19-01	Gowganda West	5270094.6	502813.8	363.1 m	245°	-45	251 m		NQ	4 m left in	yes	no	yes	zone 1-south area	Tyrrell	Dave Gamble
IMGW-19-02	Gowganda West	5270137.8	502783.5	364.4 m	270°	-45	251 m		NQ	3 m left in	yes	no	yes	zone 1-south area	Tyrrell	Dave Gamble
IMGW-19-03	Gowganda West	5270120.0	502803.8	359.9 m	260°	-45	251 m		NQ	6 m left in	yes	no	yes	zone 1-south area	Tyrrell	Dave Gamble
IMGW-19-04	Gowganda West	5270055.2	502837.8	362.0 m	245°	-45	254 m		NQ	9 m left in	yes	no	yes	zone 1-south area	Tyrrell	Dave Gamble
IMGW-19-05	Gowganda West	5270182.5	502795.2	364.9 m	270°	-45	251 m		NQ	9 m left in	yes	no	yes	zone 1-south area	Tyrrell	Dave Gamble

COLLARS

COLLARS

Start_Date	Finish_Date	Country	Province	Claim cell	NTS Map Sheets	Surface Grid Co-ords
29-Jan-2019	3-Feb-2019	Canada	Ontario	320391	41P/NE 41P/10	L 0+90 mN / 1+20 mE
4-Feb-2019	6-Feb-2019	Canada	Ontario	320391	41P/NE 41P/10	L 1+40 mN / 0+85 mE
6-Feb-2019	7-Feb-2019	Canada	Ontario	320391	41P/NE 41P/10	L 1+15 mN / 1+00 mE
14-Feb-2019	15-Feb-2019	Canada	Ontario	206674, 320391, 133802	41P/NE 41P/10	L 0+55 mN / 1+30 mE
16-Feb-2019	18-Feb-2019	Canada	Ontario	320391	41P/NE 41P/10	L 1+90 mN / 0+95 mE

COLLARS

SURVEYS

Hole ID	Depth	Raw Azimuth	True Azimuth	Dip	Magnetic Field	Type
(Identification)	meters	degrees	degrees	degrees	nanoteslas	
					(gammas)	
IMGW 19-01	0.0		245.0	-45.0		
	17.0	257.0	246.0	-44.9	53437	REFLEX
	50.0	256.3	245.3	-44.4	53841	REFLEX
	101.0	255.2	244.2	-43.9	54074	REFLEX
	152.0	257.9	246.9	-43.4	54217	REFLEX
	200.0	259.0	248.0	-43.0	54259	REFLEX
	251.0	252.4	241.4	-42.7	53599	REFLEX
IMGW 19-02	0.0		270.0	-45.0		
	20.0	283.7	272.7	-45.2	54307	REFLEX
	50.0	283.3	272.3	-44.9	54270	REFLEX
	101.0	285.1	274.1	-43.9	54359	REFLEX
	152.0	284.1	273.1	-43.6	54347	REFLEX
	200.0	285.8	274.8	-43.2	53932	REFLEX
	251.0	282.0	271.0	-43.0	54181	REFLEX
IMGW 19-03	0.0		260.0	-45.0		
	20.0	270.4	259.4	-46.9	54707	REFLEX
	50.0	272.0	261.0	-46.7	54093	REFLEX
	101.0	271.8	260.8	-45.9	54074	REFLEX
	149.0	270.7	259.3	-45.5	54327	REFLEX
	200.0	274.0	263.0	-45.2	54068	REFLEX
	251.0	269.9	258.9	-44.6	54488	REFLEX
IMGW 19-04	0.0		245.0	-45.0		
	17.0	251.0	240.0	-47.3	54362	REFLEX
	50.0	256.0	245.0	-47.0	54131	REFLEX
	101.0	253.1	242.1	-46.8	54256	REFLEX
	152.0	254.8	243.8	-46.1	54770	REFLEX
	200.0	255.6	244.6	-45.2	54260	REFLEX
	251.0	255.7	245.7	-43.9	53754	REFLEX
IMGW 19-05	0		270.0	-45.0		
	20.0	284.3	273.3	-46.6	54272	REFLEX
	50.0	283.5	272.5	-46.1	54218	REFLEX
	101.0	284.3	273.3	-45.1	54488	REFLEX
	152.0	283.3	272.3	-44.0	54999	REFLEX
	200.0	284.3	273.3	-43.4	54256	REFLEX
	251.0	278.9	277.9	-42.2	54180	REFLEX

SURVEYS

Hole ID	From m	To m	ct <	Lithology Name	Colour	Grain Size	Description
IMGW 19-01	0.00	3.00		Overburden			O/B, 3 m casing left in hole, hole made water and has been used as a source for water for other nearby ddhs until depleted.
	3.00	47.20		ILG Meta-Sediment Rx	md-dk gry	fg	Arenite graywacke, Sar gw (ILG = Indian Lake Group, Porcupine Assemblage); fg granular to dirty gritty massive to uniform, md-dk gry to gry-gn, arenaceous gw; under binocular microscope fg gritty granular texture with local reddish quartzo-feldspathic grains + local magnetite & a high % of dk gry-gn grit; local sections of detrital magnetite grains at 3.0-9.0m & at 21.6-32.6m; at 30.8-31.1m several pa-md gry aphanitic qtz strgs 1-2 cm @ 35TCA; strongly frctd & brkn core at 15.3-15.9m 18.8-19.2m, & at 23.8-25.6m; at 23.9-24.0m a strg shear zone with md-dk gn chl foliation fabric @ 30-40 TCA possiblly representing a wk fault structure at the start of extensively frctd & brkn core from 24.0-25.6m; locy barren cal strgs; Sharp LCt @ 40 TCA;
	47.20	58.05	40	ILG Meta-Sediment Rx	pa-vibrant gn	fg	Arenite graywacke +'green carbonate', Sar gw; "GC" ALTERED (ILG = Indian Lake Group, Porcupine Assemblage); md-pa gn to vibrant fuchsitic ser altered "Green Carbonate" noted as "GC", an alteration of fg arenite graywacke to "GC" and cut by qtz strgs & by small qtz vns locy with dk gn chl-ser filaments that carry very fine grained disseminated pyrite; qtz vns & strgs are locy frct'd & also QVns are locy brecciated, & also the "GC" altered arenite is also bx'd; Strongly alt'd "GC" with vibrant green fuchsitic ser occurs at 54.7-57.8m with strg qtz vns at 56.1-56.35m with fg d py, & frctd & bx'd qtz vn at 56.35-56.6mwith filaments & strgs of chl-ser-fg d py; at 56.6-56.8m strg fabric in green fuchsitic ser & qtz strgs @ 30-40TCA + fg d py; at 56.8-57.35m pa-md gn Sar gw with wk bleaching; at 57.35-57.7m frct'd bx'd md-pa gn Sar gw with dk gn chl healed frcts & microfrcts; at 57.7-58.05m pa vibrant green wispy filaments of fuchsitic ser + bx'd qtz vn & strgs with trc fg d py in qtz strgs & also in frctd GC Sar gw; LCt sharp @ 35 TCA;
	58.05	68.20	35	ILG Meta-Sediment Rx	md-dk gn	v cse g	Conglomerate, Scgl(ILG); very cse g polymictic pebble-cobble-boulder cgl with round bldrs of pink to red marroon quartzo-feldspathic cse g porphyritic felsic intrusives pebbles 5-10cm cobbles & very cse bldrs up to 30 cm in size, also dk gn volcanic pebbles & cobbles, md buff tan & pa pink fg felsic intrusive pebbles & cobbles all set in a md-dk gn granular to dirty gritty matrix. Some sections exhibit well developed clast supported texture but generally the cgl is matrix supported; most pebbles cobbles & bldrs are generally well rounded but poorly sorted; the interval is locy cut by cream white qtz strgs & by thin threadlike calcite wispy strgs; Locy ther are <1cm chips & granules of bright red jasper; near the UCt at 58.05-61.2mn wispy filaments & strgs & patches of fuchsitic ser is generally peripherally around the cgl clasts; wk epidote locy; several narrow intervals with an increase in cream white quartz-ankerite at 64.7-65.2mas frctd & bx'd strgs& vnlets; the LCt is sharp to locy wavy @ 20 TCA and is determined by the lack of cobbles and cse bldrs below this contact;
	68.20	87.95	20	ILG Meta-Sediment Rx	md gn	f-mg	Conglomerate, Scgl(ILG); small pebble cgl with a md to dk gn granular to gritty sandy to silty matrix that host widely spaced 1-3 cm occ'l small pebbles & broken pebbles; the interval is cut by cream white qtz-ank strgs & by thin threadlike cal strgs & occ'l cse vnlets of cal+dk gn chl locy; at 72.85-73.15m locy cut by bx'd qtz vn with accompanying vibrant gn fuchsitic ser + fg d py locy; there are locy bleached pa-md gn sections with fuchsitic ser imparting a patchy "GC" altn and is usually assiciated with cream white quartz-ankerite strgs & vnlets that occur at 72.85-73.45m, at 76.8-78.1m, at 79.5-81.0m, at 81.5-81.8m, at 82.3-82.5m, & at 82.9-85.0m; At 85.0-87.95m there is a md gn to gry gn gritty dirty sandstone to graywacke matrix with occ'l small pebbles; the LCt is sharp but locy jagged to planar @45 TCA;
	87.95	92.30	45	ILG Meta-Sediment Rx	pa gry gn-buff tan	fg	Arenite, quartz sandstone, Sar qtz sst (ILG); md tan-md gn fg granular gritty siliceous quartz arenite sandstone consisting of tightly packed siliceous sand grains & also the occasional small granule to small pebble locy; the interval exhibits 1-4mm occ'l bright red jasper granules & small chips & the occ'l 1cm pa pink felsic intrusive small pebble locy; the interval is cut by qtz-ank strg & by a strg silicified zone cut by qtz vns that exhibit fg d py at 89.3-89.7m; the interval is locy bleached to buff tan, is hard and silicified peripheral to the QVn above; sharp wavy LCt @25-45 TCA;
	92.30	103.40	25-45	ILG Meta-Sediment Rx	md gry-gn	m-cse g	Conglomerate, Scgl(ILG); similar to Scgl seen above at 68.2-87.95m, a small pebble cgl with occ'l cobbles, matrix supported within a md gry-gn sandy dirty gritty granular matrix; local narrow sections of pebble to small cobble sized clasts from 2-5cm round polymictic cobbles at 95.5-100.2m; at 100.2m an internal contact @ 45 TCA defining a change from pebble & small cobble cgl to a small pebble cgl with a md-dk gn sandy gritty fg granular matrix as seen at the start of the interval & at the end of the interval; sharp LCt @ 60 TCA;
	103.40	109.50	60	ILG Meta-Sediment Rx	md-dk gn	v cse g	Conglomerate, Scgl(ILG); very cse g polymictic pebble-cobble-boulder cgl as seen at 58.05-68.2m. the interval exhibits round pink to red to marroon quartzo-feldspathic 5-10 cm cobbles & >10 cm boulders of porphyritic felsic intrusives as well as small pebbles, & also bright red 5-10 cm cobbles of jasper all within a md-dk gn granular to dirty gritty graywacke matrix; locy cut by cal-qtz strgs; Sharp LCt @ 60 TCA;
	109.50	118.40	20-30	ILG Meta-Sediment Rx	md-dk gn	f-mg	Arenite graywacke, Sar gw (ILG); md-dk gn, fg to locy f-mg, gritty arenite graywacke locy cut by chl-cal strgs; at 115.1-115.2m a narrow very strong shear fault zone with strg md gn chl gouge (gg) with interstitial cal with the Uct @ 40TCA & LCt @ 30 TCA; at 115.4-118.3m frctd & broken core throughout; at116.3-117.5m wkly magnetic with wk dissem mgt grain; sharp slightly wavy LCt @ 35-40 TCA;
	118.40	125.50	35-40	ILG Meta-Sediment Rx	gry white-md tan	f-mg	Arenite, quartz sandstone, Sar sst (ILG); md gry white to pa buff tan siliceous matrix with 1-5mm cloudy white quartz grains as round & angular grains, hard & siliceous qtz arenite with minor occassional small pebbles md-dk gn arenite & bright red jasper granules & chips forming a qtz arenite sandstone with a weak occ'l small qtz pebble cgl locy; cut by cal-chl strgs locy + pervasive interstitial blue-gry cal as patches & strg seams or channelways of cal alteration + 1-5% fg d py locy throughout; the interval is locy microfractured with dk gn chl healed microfracture fillings; +cal-chl-sil-py altn; LCt sharp @ 25 TCA;
	125.50	136.70	25	Intermed Intrusive	gry gn-pa gn	fg	Aplite dike, Ap dk; pa-md gn, fg groundmass with 1-2mm porphyritic dk gn Xlls & marroon red Xlls & blebs + pervasive interstitial cal + occ'l threadlike thin cal strgs at 125.5-129.8m in wk porphyritic aplite dike; at 125.5-136.2m md gn tan to pa gn groundmass with dk gn & marroon 1-2 mm porphyritic clots xlls & blebs imparting a weak porphyritic texture, No cal, but wk hem + chl-ser-fuchsitic ser-thin qtz strgs; under the binocular microscope the interval at 125.5-136.2m exhibits a fine crystalline interlocking intrusive texture of gry white plagioclase feldspar as fine microcrystalline plagioclase interlocking lathes + <1mm qtz eyes with reddish hematitized rims, & vibrant green <1mm granules that together impart a weak porphyritic texture; at 134.0-136.2m the interval becomes progressively bleached from pa-md gn to light pa yellowish green wk "GC" with fuchsitic ser altn; at 129.6-129.7m two inclusions of silicified cgl with 20/30 TCA contacts for each of the cgl rafted inclusions by the Ap Dk; wavy variable & broken frctd LCt @ 10-20 TCA;

	136.70	207.00	>10-20	ILG Meta-Sediment Rx	tan-pink marroon-md gn	v cse g	Conglomerate, Scgl(ILG); very cse g polymictic pebble-cobble-boulder cgl as previously seen at 103.4-109.5m; at 136.2-139.6m light buff tan, siliceous with strong sil-ser-chl-py + local bright red jasper pebbles, & cut by qtz strgs & vnlets as stockwork strgs + 1-3% fg d py; at 139.6-148.0m bleached cgl to pa pink to reddened colouration + some red jasper pebbles that exhibit selective replacement & bleaching locy cut by qtz strgs & vnlets throughout with a local qtz vein stockwork at 142.9-143.5m with buff tan bleached cgl host & vns @ 40-50 TCA; at 143.4-145.5m frctd & broken core; at 146.5-148.0m less alt'd matrix & becomes md brn to gn; at 139.6-148.0m trc-3% fg d py locy; at 148.0-153.7m cgl exhibits md brn-gn granular gritty matrix with pink, marroon & red qtzo-feldspathic felsic intrusive pebbles & cobbles + bright red jasper pebbles + brn -gn pebbles & cobbles forming a strong polymictic cgl; locy cut by cal-qtz strgs & at 142.9-143.5m is cut by 10 cm qtz vn & with qtz stockwork strgs with 1-3% fg d py;
							At 153.7-157.6m wk fg d py & cse 8cm patch py in wkly bleached patchy pa pink cgl with overall a md-dk gn matrix; at 157.6-175.0m md gn matrix to pebble-cobble-bldr cgl + qtz-cal thin strgs locy; at 175.0-180.4m the cgl is locy bleached to pa pink to md gn to buff tan & exhibits qtz-cal strgs with trc-2% fg d py; at 180.4-184.0m, & at 184.4-195.0m, & at 197.3-199.4m strong bleaching to pa gn to buff tan, ser-silicified + qtz strgs + dk gn chl healed microfractures + 1-3% fg d py; at 199.4-207.0m pa gn tan to pa pink alt'd cgl & at 204.0-207.0m brick red with qtz-chl strgs & 0.5-1.0cm vnlets & two cse white qtz vns with blebs & splashes Cpy at 205.05 & at 205.15-205.2m @ 30-40TCA with 1-3% fg d py overall; sharp LCt locy wavy @ 15 TCA;
	207.00	209.55	15	Intermed Intrusive	buff tan-pa tan gn	fg	Aplite dike, Ap dk; bleached chilled fg aphanitic UCt wavy @ 15 TCA & changing to md tan to pinkish tan to pa tan-gn with a fg aphanitic looking groundmass & exhibiting 1mm md gn Xlls forming a weak porphyritic texture & with 1mm qtz 'eyes' with reddish hematite rims; the Ap dk groundmass under binocular microscope exhibits a fg interlocking Xll texture of plagioclase feldspar microlites in a felted mass as previously seen uphole at 125.5-136.7m; the LCt is sharp & wavy @ 15TCA;
	209.55	214.65	15	ILG Meta-Sediment Rx	marron - dk gn	cse g	Conglomerate, Scgl(ILG); very cse polymictic bldr cgl with marroon to dk gry gn matrix to the cgl pebble-cobble-boulder clasts; + qtz strgs & vnlets ar 210.0-210.5m + 6 cm QV @ 70-75 TCA & qtz strgs with trc-3% fg d py locy & at 209.55-210.05m; LCt @ 40TCA;
	214.65	215.40	40	Intermed Intrusive	buff tan	fg	Aplite dike, Ap dk; as previously seen at 207.0-209.55m & is fg buff tan groundmass wkly bleached narrow Ap dk interrval; LCt @ 30 TCA;
	215.40	229.35	30	ILG Meta-Sediment Rx	marron - dk gn	cse g	Conglomerate, Scgl(ILG); very cse polymictic pebble-cobble-boulder cgl as previously seen at 103.4-109.5m & gradually becoming dk gn by 223.5m (most likely the result of a thermal effect from the proximity of the diabase dike intrusion below), & exhibits a dk gn gritty to granular matrix still with discernible cgl pebbles & 5-7 cm cobbles & small pebbles & that are still clearly evident at 229.0-229.3m proximal to the lower contact; several zones of qtz strgs & vns occur at 215.8-216.2m @ 40/55 TCA, & at 219.0-220.4m with narrow 1-2cm qtz strgs & up to 6cm vn @45-50 TCA with trc-2% fg d py locy; LCt sharp & marked by 5.0 cm strong shear zone fabric at 229.3-229.35m @ 50 TCA;
	229.35	251.00	50	Mafic Intrusive	dk gn	aphan, f-mg	Diabase Dike, Db Dk (Matachewan dike swarm); the Uct is a shear contact @ 50TCA with the shear in the interval above; the Db dk starts off with an aphanitic dk gry gn chilled zone at 229.35m and gradually becomes fg by 233.0-234.0m; from 234.0-251.0m the db dk is fg to wkly f-mg, dk gn, massive uniform and homogeneous mafic intrusive with little variation in texture; the diabase exhibits a fg interlocking Xlline plagioclase microlites as subhedral lathes & with anhedral plagioclase feldspar & also other fg mafic minerals in a typical diabase fg texture with little variation; + wk to trc cal strgs & trc strgs yellow gn epidote locy; the db dk also contains fg disseminated 1 mm Xll grains of black magnetite that is evenly & widely distributed throughout the db groundmass & is moderately magnetic varying from 1.3-4.6 c.g.s.(cm.gms.seconds) units on a Scintrex SM-5 Susceptibility meter to the EOH.
	251.00			EOH			
IMGW 19-02	0.00	3.20		Overburden			O/B, casing left in hole
	3.20	12.10		ILG Meta-Sediment Rx	md gn - buff tan	fg	Arenite graywacke, Sar gw (ILG); (ILG= Indian Lake Group Porcupine Assemblage); md gn fg granular to gritty arenaceous gw -sandstone, with occ'l rare small 0.5-1.0cm pebbles, 0.25cm granules & <1mm grains of bright red jasper that show similarities to the matrix to the Scgl unit in the hole; + narrow buff tan sections asociated with cal strgs & vns; rusty limonitic open frcts due to oxidation from surface water percolation and also near come cal vnlets; + 1-3mm cal-qtz strgs & patchy pervasive interstitial Cal locy; strg frct core from 7.0-7.1m, 10.3-10.4m, & at 11.3-11.5m; at 11.9-12.1m bleached pa tan beige strgs to pervasive patchy altn above the LCt sharp wavy irreg @ 20-30TCA;
	12.10	23.15	20	ILG Meta-Sediment Rx	pa yellow gn-vibrant gn	fg	Arenite graywacke+'green carbonate',Sar gw; "GC" ALTERED; alt'd to 'green carb" as pa yellow gn to vibrant gn with pervasive fuchsitic ser in altered "GC"of fg arenite gwke cut by cream white qtz-ank strgs & qtz vns locy with tr-3% very fine grained disseminated pyrite; at 12.25-12.8m Aplite dk with inclusions of alt'd Sar 'GC' UCt@75TCA & LCt irreg jagged @25TCA; rusty limonitic open frcts & oxidized seam qtz ank @10TCA at 13.25-13.8m; at 13.8-14.3m Sar 'GC' vibrant gn,14.3-14.8m pa-md gn Sar,14.8-16.4m vibrant gn 'GC' Sar,16.4-17.4m pa-md gn wk speckled porphyritic cal,17.4-18.0m vibrant gn 'GC' Sar,18.0-19.0m pa-md gn Sar,19.0-21.9m Sar 'GC' with QV & strgs at 20.12-20.28m@ 60-70TCA with dk gn chl & tr-3% fg d py; the interval exhibits strg fuchsitic ser+qtz-carb strgs & local fabric@40-50TCA in foliated Sar 'GC' at 14.8m, 20.3m, 22.85m; at 20.9-23.0m narrow fg pa-md gry gn Ap dk @75TCA +wk dk gn 1mm porphyritic chl after amph+wk qtz eyes;23.0-23.15m Sar 'GC' qtz-carb strgs vnlets+chl wisps tr py; LCt wavy jagged @40-70TCA;
	23.15	25.95	40-70	Intermed Intrusive	buff tan-gry gn- marroon	aphan-fg	Aplite dike, Ap dk; at UCt chilled fg-aphanitic pa-md tan at 23.15-23.23m; at 23.23-23.43m dk reddish marroon gry tinge hematitic fg core over 10cm with outer pa-md gry chilled cts to the Apdk inner central phase + wk-mod magnetic with fg d mgt, & with internal LCt wavy to jagged @ 35-50TCA with pa gn chilled ct; at 23.43-24.85m pa-md buff tan fg-aphanitic Ap dk withvery fg groundmass with pa gn fsp microlites <1mm forming a weak micro-porphyritic texture, sharp internal LCt @55TCA; at 24.85-25.95m pa-md gry to gry gn fg Ap dk with LCt @ 50TCA;
	25.95	26.55	50	ILG Meta-Sediment Rx	pa yellow-buff tan gry	f-mg	Conglomerate, Scgl(ILG);pa yellow-pa gry buff tan,fg matrix, f-mg pa pink qtzo-feldspathic & occ'l red jasper small pebbles partially altered by a pervasive replacement texture,locy frct'd pa yellow silicified brecciated matrix + dk gn chl-qtz-carb healed microfractures; tr-1% fg d py; LCt@45TCA;
	26.55	32.35	45	ILG Meta-Sediment Rx	md-dk gn	fg	Arenite graywacke, Sar gw (ILG);md-dk gn, fg, Sar cut by white cal strgs & minor pink cal strgs locy & by thin threadlike cal strgs & also exhibits local pervasive interstitial cal; LCt sharp @ 35TCA;

	32.35	37.00	35	ILG Meta-Sediment Rx	md-dk gn-gn marron	fg-mg	Arenite graywacke, Sar gw (ILG); md-dk gn, fg to locy f-mg to cse gritty granular arenite graywacke to dirty sandy matrix as normally seen as the matrix to the Scgl; locy several small occ'l <1cm pebbles & occ'l red jasper 1-3mm gritty granules & a local section of marroon red gritty gw at 34.0-35.2m; at 35.5-35.85m slight increase in md-cse grit & granules+occ'l small pebbles; locy cut by cream white cal strgs & by pa pink cal strgs& vnlets; LCt @50TCA;
	37.00	40.20	50	ILG Meta-Sediment Rx	md-dk gn	cse g	Conglomerate, Scgl(ILG); cse g polymictic clast supported, pebbles to cobbles of bright red jasper, qtzo-feldspathic fg & porphyritic felsic intrusive cobbles, sandy gw to dirty sst md-dk gn matrix; wavy LCt @ 25-40TCA;
	40.20	42.30	25-40	ILG Meta-Sediment Rx	md-dk gn	fg	Arenite graywacke, Sar gw (ILG); md-dk gn fg dirty gw to sst with f-md g gritty to granular Sar locy + occ'l small pebble & occ'l red jasper granules & pebbles up to 1cm locy; wk cal strgs & LCt @ 50TCA;
	42.30	44.95	50	ILG Meta-Sediment Rx	md gn	mg	Conglomerate, Scgl(ILG); small pebble Scgl with mm to 1-2 cm small pebbles that are matrix supported with md gn grity to granular gw-sst matrtix; locy cut by cal strgs & occ'l vnlets; + red jasper gritty grains & granules locy; sharp LCt @ 30TCA;
	44.95	58.40	30	ILG Meta-Sediment Rx	md gn	f-mg	Arenite graywacke, Sar gw (ILG); md gn, f-mg gritty granular gw to dirty sst with occ'l 2mm granular grit & locy rare 0.5-1.0cm small pebbles with some locy as red jasper & one 5 cm red jasper isolated pebble that exhibits wk cal partial replacement at 53.7m; interval is locy cut by thin mm to 0.5-1.0cm cal strgs & vnlets; LCt @ 40 TCA;
	58.40	59.40	40	ILG Meta-Sediment Rx	pa gn	fg	Arenite graywacke, Sar gw (ILG); pa gn, fg, finely layered locy @35-40TCA + wispy dk gn chl strgs & patches locy, & cut by wk cal strgs; LCt @ 30 TCA;
	59.40	61.85	30	ILG Meta-Sediment Rx	md gn	f-mg	Arenite graywacke, Sar gw (ILG); md gn, f-mg, gritty granular gw to dirty sst with occ'l small isolated 1cm pebbles of red jasper & pink felsic intrusive; locy cut by thin cal strgs & by qtz-chl-ank vnlets to patchy vns at start of interval; LCt sharp @ 45 TCA;
	61.85	72.20	45	ILG Meta-Sediment Rx	md gn	cse g	Conglomerate, Scgl(ILG); cse g polymictic locy clast supported but predominantly matrix supported poorly sorted with pebbles to cobbles of bright red jasper with some locy partially replaced by cal, qtzo-feldspathic fg & porphyritic felsic intrusive cse cobbles, & gry to dk gn pebbles within a md-dk gn gritty to granular gw to dirty sst matrix; cut locy by cal-chl strgs; sharp LCt @ 45TCA;
	72.20	73.30	45	ILG Meta-Sediment Rx	md-dk gn- locy marron	aphan-fg	Arenite siltstone-mudstone, Sar slst-mdst (ILG); very fg aphanitic siltstone to mudstone; under the microscope is a fg gritty to grainy mdst to slst that is md-dk gn with local intervals that exhibit dk marroon hematitic patches & blobby masses that are wkly magnetic from 1.1-1.3 cgs units (on a SM-5 Susceptibiliy Meter); the md-dk gn non marroon & non hematitic sections are non magnetic; the interval exhibits strg pervasive interstitial cal & locy cut by thin <1mm threadlike strgs of cal; LCt sharp @ 40 TCA;
	73.30	84.50	40	ILG Meta-Sediment Rx	md-dk gn	cse g	Conglomerate, Scgl(ILG);cse g polymictic locy clast supported Scgl but predominantly matrix supported with poorly sorted pebbles to cobbles consisting of bright red jasper (locy partially replaced by cal), pa-dk gn volcanic & sedimentary rock pebbles & cobbles within a md-dk gn gritty to granular gw to dirty sst f-mdg matrix; local patches of lt gry pervasive interstitial cal & also cut by cream white cal strgs; at 83.0-84.5m wispy filaments & fine lamellae of yellow gn ser @35-40 TCA +tr-1% fg d py in a small pebble Scgl +0.5-1.0 cm red jasper pebbles; sharp LCt @ 25 TCA;
	84.50	86.20	25	ILG Meta-Sediment Rx	md-dk grygn	f-mg	Arenite graywacke, Sar gw (ILG); md-dk gry gn, f-mg, gritty to granular dirty gw to sst, with pervasive interstitial cal, wispy yellow gn ser filaments @ 30 TCA, gn chl lined frcts, qtz-ank strgs & vnlets,+tr-2% fg d py locy; occ'l red jasper grit & small granules locy; wavy LCt @ 40-0-40TCA;
	86.20	87.35	0-40	ILG Meta-Sediment Rx	pa gry	f-mg	Arenite, quartz sandstone, Sar qtz sst (ILG); pa-md gry, f-mg granular to gritty qtz arenite sandstone (sst) with 1-3mm cloudy white round to anhedral qtz grains in a siliceous matrix, +chl lined frcts + rare cal 1-2 mm threadlike strgs; + chl strgs +1-2% very fine g d py locy; sharp LCt@ 50TCA;
	87.35	88.70	50	ILG Meta-Sediment Rx	md gry gn	fg	Arenite graywacke, Sar gw (ILG); md gry gn, fg, granular to gritty with very strg pervasive interstitial cal throughout; sharp LCt @35TCA;
	88.70	91.70	35	ILG Meta-Sediment Rx	pa gry	f-mg	Arenite, quartz sandstone, Sar qtz sst (ILG); qtz arenite sst (similar as seen at 86.2-87.35m) as pa-lt gry,f-md g, gritty granular sst with 1-3mm cloudy gry white qtz granules in a siliceous matrix with local wispy yellow ser,+ 2-4mm red jasper gritty granules + tr-3% fg d py;LCt sharp fault contact @35TCA;
	91.70	91.90	35	ILG Meta-Sediment Rx	md-dk gn	fg	FAULT ZONE, FZ; a narrow md-dk gn FZ with 5.0cm md-dk gn sheared chl fault gouge @35TCAat 91.7-91.8m; sheared & brkn md-dk gn Sar dirty gw-sst from 91.8-91.9m as part of the fault structure; pervasive interstitial chl-cal in wall rock down hole from fault; LCt of FZ @ 35 TCA;
	91.90	97.00	35	ILG Meta-Sediment Rx	dk gn	fg	Arenite graywacke, Sar gw (ILG); dk gn, fg, granular to gritty Sar, + wk interstitial cal + white cal strgs + wk-mod magnetic at 93.4-96.4m with mag susceptibility readings 0.5-3.3 cgs units on a SM-5 meter; sharp LCt @ 50 TCA;
	97.00	117.60	50	ILG Meta-Sediment Rx	md-dk gn	cse g	Conglomerate, Scgl(ILG); cse polymictic clast supported Scgl with pebbles & cobbles of red jasper Iron Formation; at100.8-101.2m a narrow intercalated layer of Sar gw-sst with moderate pervasive interstitial cal with U/L Cts@40/50 TCA respectively; at 101.2-103.2m clast supported Scgl with very cse cobbles & boulders as a continuation of the polymictic cgl from start of interval with an internal LCt@25 TCA at 103.2m; at 103.2-104.35m matrix supported Scgl with wavy internal LCt @30-40 TCA; at 104.35-108.15m clast supported Scgl as previously seen above with LCt@20-25 TCA; at 108.15-112.6m Scgl is matrix supported; at 112.6-117.6m Scgl is clast supported with very cse qtzo-feldspathic porphyritic felsic intrusive rounded bldrs up to 35 cm in size + locy angular to round bright red jasper pebbles & granules; at 115.1-117.6m interval is reddened & to a pinkish red color cut by qtz-ank strgs & vnlts, locy silicified, locy with pinkish hematite + minor specular hematite, + tr-1% fg d py locy +wk mgt locy magnetic at 105.5-117.5m, internal UCt@40-45TCA, sharp LCt@ 30 TCA;
	117.60	119.55	30	Intermed Intrusive	gry gn - pa gn	fg	Aplite dike, Ap dk; pa-md gn, fg groundmass with 1-2mm porphyritic dk gn Xlls chl after amphiboles as well as marroon grains to blebs (similar to the AP dk seen in DDH IMGW-19-01 at 125.5-136.7m), locy cut by qtz-ank strgs + tr blebs & fg d py & minor tr Cpy at 119.25-119.45m, and no pervasive interstitial cal; locy bleached pa gn near U & LCts where there are QVns near the UCt at 117.8-117.9m as massive white qtz with wispy chl filaments & strgs + tr d py the QV is cut by a 1cm clay-ser-chl fault gouge @50TCA& exhibits 2-4% fg d py near the contacts, & also at the LCt at 119.45-119.55m @35TCA with sharp QVn contacts @35TCA; LCt of AP dk & Qv @35TCA;

	119.55	165.50	35	ILG Meta-Sediment Rx	md gn-red to pa pink-tan	cse g	Conglomerate, Scgl(ILG); at 119.55-125.8m cse g polymictic Scgl, with md gn f-mg gritty to granular gw to dirty sst matrix & predominantly matrix supported with local sections that are clast supported, generally poorly sorted with pebbles to cobbles of bright red jasper, qtzo-feldspathic fg & porphyritic felsic intrusives as cse cobbles, & gry to dk gn pebbles of metasediment & volcanic rock, cut locy by qtz-ank strgs & vnlets & lacy strgs & threads at 125.25-125.8m; sharp LCt @ 45TCA; at 125.8-144.6m the Scgl is bleached pa pink to buff tan and also reddened locy, cut by qtz-ank strgs + chl + silicified hard locy + tr-1% fg d py & local patches of up to 1-3%, & locy red jasper pebbles & cobbles & granules & chips with some exhibiting specular hematite within buff tan to tan gn & also exhibiting ser alt'n with wispy yellow ser filaments locy, + minor dk gn wk chl-cal lined frcts varying from low angles 0-10 TCA at 126.1-126.7m & at 128.6-128.85m & at 129.55-130.7m; wkly magnetic with mgt locy at 120.5-129.5m & at 156.2-157.2m;
							at 140.0-141.0m md gn matrix to Scgl; at 141.6-144.6m pa gn to buff tan to pa pink alt'd with strg QV at 142.8-143.1m @30TCA+ 3-5% fg d py in thin lamellae & wispy strgs in QV + possible fg d aspy, & also from 142.6-142.8m qtz strgs + py & also 143.1-143.2m qtz strgs; at 143.2-144.6m pa pink to buff tan bleached cse pebble cgl with bright red jasper pebbles & cobbles up to 5-6cm in size; at 144.6-165.5m Scgl md-dk gn gritty granular gw to dirty sst matrix hosting matrix supported small pebbles cobbles of md & dk gn volcanics & marroon & bright red jasper granules & pebbles locy, + cal as pervasive interstitial & as thin threadlike strgs to small strgs; several minor qtz-cal strgs vnlets occur at 148.5-149.35m, at 150.0-150.85m,at 152.6-153.1m, & at 155.6-156.2m within pa gn to tan bleached Scgl + 1% fg d py at 156.2-165.5m md-dk gn Scgl with cal+chl, red jasper grit 0.5-2.0cm angular pebbles & 1-3cm round pebbles; sharp LCt @ 30 TCA;
	165.50	178.00	30	Mafic Intrusive	md-dk gn	f-mg	Diabase Dike, Db Dk (Matachewan dike swarm); md-dk gn, fg chilled Uct from 165.5-170.0m with very fg gry bleached pencil line rind at Uct, & from 170.0-172.0m the Db dk gradually progresses to f-md g with fg dissem magnetite that exhibits wk-mod magnetic susceptibility SM-5 readings from 0.3 cgs at 169.0m to 4.7 cgs at 178.0m; the Db dk is locy cut by wk cal strgs & by occ'l epidote strgs; the mgt dissem xll grains are <1mm & are more evident in the f-md g Xlline Db dk & within the cloudy gry white plagioclase feldspar Xlls with mafic Xlls forming the interlocking Xll groundmass mosaic; at 177.0-178.0m fg chilled contact zone with sharp LCt @ 50TCA;
	178.00	217.30	50	ILG Meta-Sediment Rx	md-dk gn	cse g	Conglomerate, Scgl(ILG); md-dk gn, fg-md g dirty gw-sst matrix from 178.0-214.0m with matrix supported pebbles to cse cobble of red jasper, & occ'l qtzo-feldspathic felsic intrusive cobbles & dk gn volcanic & sedimentary pebbles & cobbles; + locy cut by cal-wk qtz strgs, and exhibits mod pervasive interstitial cal locy, several qtz-cal strgs & bleached cgl locy to pa-md gn to buff tan pink with cal-qtz strgs +1-2% fg d py at 190.3-200.15m & at 206.6-207.2m; at 212.0-214.0m progressively darker gn in color, chl-silicified & baked thermally altered to hornfelsic altered Scgl from DB dk below; at 214.0-217.3m dk marroon brn to dk gry brn, silicified hornfelsic alt'd & baked Scgl with 1-2% fg d py locy, & with occ'l remnant red marroon jasper granules & small pebbles of qtzo-feldspathic felsic intrusives + qtz-chl-minor ser wispy filaments locy; sharp LCt @ 40TCA;
	217.30	217.80	40	Mafic Intrusive	md-dk olive gn	aphan-fg	Diabase Dike, Db Dk (Matachewan dike swarm); md-dk olive gn, fg to aphanitic Db diklet with bleached pa gry chilled contact rinds,0.5 cm thick at both U & L Cts; + mod fg pervasive interstitial cal + occ'l threadlike cal strgs & frct fillings; non magnetic; sharp U & LCts @ 40TCA;
	217.80	221.35	40	ILG Meta-Sediment Rx	pa pink-tan to gry yellow	fg	Arenite, quartz sandstone, Sar qtz sst (ILG); 217,-219.0m pa pinkish yellow tan, fg, siliceous qtz arenite sst with <1mm qtz granules & grains,+ chl strgs+thermally hornfelsic sil'd hard alt'd+ local wisps & filaments ser + tr-1% fg d py; local minor pebble cgl at 218.05-219.0m; at 219.0-221.35m pa yellowish gry fg, granular siliceous qtz arenite sst sil'd & hardened from strong thermal hornfelsic alteration from baking from the Db dk immediately below + dk gn chl strgs & frct linings + wk ser flecks proximal to Db dk; sharp LCt @50TCA;
	221.35	221.90	50	Mafic Intrusive	md-dk olive gn	aphan-fg	Diabase Dike, Db Dk (Matachewan dike swarm); similar to interval seen at 217.3-217.8m a narrow Db dk that is md-dk olive gn, fg-aphanitic, with thin 1mm gry bleached chilled contact rinds; + mod pervasive interstial cal & also cal as thin threadlike wispy strgs; locy irregular U&LCts @ 50 &45TCA;
	221.90	223.95	45	ILG Meta-Sediment Rx	pa gry gn	fg	Arenite, quartz sandstone, Sar qtz sst (ILG); pa gry gn, fg siliceous & hard, qtz arenite sst with local patchy sections of rubbly small pebble Scgl at 222.1-221.8m & at 223.0-223.4m with local small pebbles of pa gry metased & occ'l marroon red jasper small pebbles, + dk gn chl healed micro frcts in siliceous qtz arenite sst sil'd & hardened from strong thermal hornfelsic alteration from baking from the Db dk immediately below, +minor chl-cal strgs along frcts & thin threadlike cal strgs locy, + tr fg d py; wavy sharp LCt @ 40TCA;
	223.95	251.00	40	Mafic Intrusive	md-dk gn	f-mg	Diabase Dike, Db Dk (Matachewan dike swarm); at 223.95-225.0m md-dk olive gn, fg aphanitic chilled Uct @40TCA + mod pervasive interstitial cal & cal strgs locy; at 225.0-233.0m wk threadlike cal strgs in md-dk gn, fg, Db dk; from 225.0-251.0m fg disseminated magnetite 1mm xlls yielding a moderate magnetic signature with magnetic susceptibility readings on a SM-5 meter varying from 2.0-3.6 cgs units; from 233.0-247.0m f-md g xlline, md-dk gn, massive uniform homogeneous typical Db texture with interlocking plagioclase feldspar Xlls as gry lathelike Xlls + locy pa pinkish ground mass of anhedral Xlls; at 247.0m an internal sharp contact from mg Db to fg Db @ 45 TCA; at 247.0-251.0m md-dk gn fg Db dk with fg d mgt, + chl lined frcts; yellow gn epidote occurs locy as patches at 233.6-233.8m & as epid-cal strgs at 236.35m & patches at 240.85-241.1m; fg dk gn Db dk from 240.8-251.0m EOH
	251.00			EOH			
IMGW 19-03	0.00	4.60		Overburden			O/B, casing left in hole
	4.60	10.60		ILG Meta-Sediment Rx	md-dk gn	fg	Arenite graywacke, Sar gw (ILG); (ILG= Indian Lake Group Porcupine Assemblage); fg, md-dk gn, gritty to granular dirty gw;+ cal strgs & pervasive interstitial cal, + chl, locy cut by pink cal vnlets, locy brkn & frctd core at 5.1-6.0m & 7.3-7.4m & 8.4-8.5m; L internal ct @ 50TCA
	10.60	14.80	50	ILG Meta-Sediment Rx	md-dk brn gn	f-mg	Arenite graywacke, Sar gw (ILG); f-md g, md-dk brn gn gritty to granular dirty gw; cut by gry wht cal strgs+pervasive interstitial cal+local pinkish hue due to fg hematite dusting in felsic qtzo-feldspathic grit & granules, + occ'l grit & granules of bright red jasper; sharp LCt @ 70 TCA;
	14.80	14.95	70	Mafic Intrusive	md-dk gn	aphan-fg	Diabase Dike, Db Dk (Matachewan dike swarm);md-dk gn, fg, Db dikelet with narrow slightly bleached thin grey pencil line chilled wavy U &LCts @70TCA

	14.95	17.00	70	ILG Meta-Sediment Rx	md-dk brn gn	f-mg	Arenite graywacke, Sar gw (ILG); as seen at 10.6-14.8m, f-md g, md-dk brn gn gritty to granular dirty gw; cut by gry wht cal strgs+pervasive interstitial cal+local pinkish hue due to fg hematite dusting in felsic qtzo-feldspathic grit & granules, + occ'l grit & granules of bright red jasper + occ'l 0.5 cm jasper pebbles locy; L internal Ct @45TCA
	17.00	20.20	45	ILG Meta-Sediment Rx	md-dk brn gn	fg	Arenite graywacke, Sar gw (ILG); as seen at 14.95-17.0m, fg, md-dk brn gn gritty dirty gw exhibiting finely laminated layers & bedding @50-55 TCA; cut by gry wht cal strgs+pervasive interstitial cal+local pinkish hue due to wk fg hematite dusting+chl; brkn & frctd core at 19.9-20.2m; brkn LCt
	20.20	21.10	brkn	Mafic Intrusive	md-dk gn	aphan-fg	Diabase Dike, Db Dk (Matachewan dike swarm); md-dk gn, fg-aphanitic massive uniform Db dk with thin grey bleached pencil line chilled contact margins; + wk cal strgs& wk pervasive interstitial cal; + strongly magnetic with fg disseminated magnetite xll grains with magnetic susceptibility SM-5 readings varying from 1.7-6.7 c.g.s. units; UCt brkn, sharp locy wavy LCt@25TCA
	21.10	24.70	25	ILG Meta-Sediment Rx	md-dk brn gn	fg	Arenite graywacke, Sar gw (ILG); md gn to md brn gn, fg gritty dirty gw; +local pinkish hue due to fg hematite dusting in felsic qtzo-feldspathic grit & granules,+ minor layering locy @50TCA; at 21.1-21.55m bleached pa gry to gry tan with strong fabric @ 45-50TCA +strong cal strgs vnlets & pervasive interstitial cal+ trc fg d py; at 21.55-24.7m cal strgs & strg pervasive interstial cal+wk chl+wk hem locy; at 23.4-24.7m md brn to brn gn to pinkish brn finely laminated layered with dk gn wispy chl lamellae imparting a layered fabric @50TCA; sharp wavy LCt @ 40 TCA
	24.70	31.70	40	ILG Meta-Sediment Rx	md gn - pa gn	fg	Arenite graywacke, Sar gw (ILG); md gn grading to pa-md gn, fg gritty to granular gw; + local patchy sections of strong pa gn to vibrant yellow gn 'GC' (green carbonate) with fuchsitic ser & cal at 23.9-27.5m & 29.35-29.45m & wk 'GC' at 30.5-30.65m; at 30.65-31.7m chl+fuchsitic ser+cal strgs+pervasive interstitial cal that abruptly stops at 31.7m with a sharp LCt @ 45TCA
	31.70	40.45	45	ILG Meta-Sediment Rx	pa gn-vibrant yellow gn	fg	Arenite graywacke + 'green carbonate', Sar gw+'GC' (ILG); pa gry gn to pervasive sections of vibrant yellow gn fuchsitic sericite with quartz strgs & vnlets & cream wht ankerite strgs & vnlets forming a mod-strong 'GC' zone; qtz ank cal vein breccia at 35.9-36.2m with trc fg d py with UCt vein breccia & LCt sharp @ 60TCA; + locy 1-4 cm qtz ank strgs & threadlike strgs throughout; at 36.2-36.9m wk-mod pa gn 'GC' with a variable jagged to variable internal LCt@ 45TCA; at 36.9-38.4m pa-md gn wk 'GC' cut by cream wht qtz ank threads & strgs & vnlets in fg gritty clean Sar gw; at 38.4-40.45m pa gn to vibrant yellow gn fuchsitic sericite strong 'GC' zone with qtz ank strgs & vnlets @40-45TCA with trc fg d py; sharp LCt@55TCA
	40.45	40.75	55	Intermed Intrusive	pa-md tan gn	fg	Aplite dike, Ap dk; pa-md buff tan, fg ground mass with 1mm dk gn anhedral Xlls or clots of chl after amphiboles forming a wk porphyritic texture;+ cut by qtz ank strgs & vnlets from 0.5cm to 4-6 cm locy & carrying trc-2% fg d py; sharp locy wavy irreg LCt@ 40TCA; it is noted that the Apdk contacts cross cuts the "GC' alt'd Sar fabric above and below at almost a 90 degree intersection angle;
	40.75	41.50	40	ILG Meta-Sediment Rx	pa gn-vibrant yellow gn	fg	Arenite graywacke + 'green carbonate', Sar gw+'GC' (ILG); as previously seen at 38.4-40.45m above with pa gn to vibrant fuchsitic sericite yellow gn with qtz ank strgs & vnlts @30-40TCA within a strong vibrant gn 'GC' Zone + trc fg d py; sharp to jagged LCt@ 30TCA
	41.50	41.80	40	Intermed Intrusive	pa-md tan gn	fg	Aplite dike, Ap dk; upper contact sharp & locy jagged @40TCA & also crosscuts the preceding 'GC' alt'd Sar gw interval above; pa-md tan gn, fg massive uniform ground mass with 1mm anhedral alt'd xlls or clots of chl after amphiboles & forming a wk porphyritic texture for the Ap dk; + cut by ank strgs & 5 cm qtz ank vn near the UCt; LCt locy interfingers into the underlying Sar gw below @50TCA
	41.80	42.75	50	ILG Meta-Sediment Rx	pa-md gry gn	fg	Arenite graywacke, Sar gw (ILG); pa-md gry gn,fg, gritty granular with gritty siliceous qtz granules forming a qtz arenite sandstone locy + qtz ank strgs & vnlts + dk gn chl + fuchsitic ser that forms a wk 'GC' alt'd pa gn Sar locy at 42.4-42.75m; sharp wavy LCt @ 50-60TCA
	42.75	50.60	50-60	ILG Meta-Sediment Rx	md gn -pa tan gn	cse g	Conglomerate, Scgl(ILG); polymictic small pebble cgl with pa tan gn md gn, fg, gritty granular gw matrix, & with 0.5 to 3-4 cm small matrix supported pebbles of fg pinkish tan felsic intrusives & pa to md olive gn pebbles & occ'l bright red jasper granules locy; interval is locy bleach'd to pa tan to md tan gn at 42.75-43.15m, at 43.4-43.75m, at 44.5-44.85m, at 45.0-45.4m, at 45.5-46.0m, at 46.15-46.5m with trc specks Cpy & at 46.75-47.15m, at 47.25-48.05m & at 48.25-48.35m; At 48.35-50.6m the cgl exhibits a md buff tan to pinkish (hem) tan color, is f md g, gritty to granular matrix with cse granules to small pebbles ranging from 0.5-1.0cm locy; cgl interval is cut by qtz ank strgs & by minor chl threadlike strgs; UCt @ 55TCA & LCt wavy @30-40TCA
	50.60	55.20	30-40	ILG Meta-Sediment Rx	pa vibrant gn	fg	Arenite graywacke + 'green carbonate', Sar gw+'GC' (ILG); pa vibrant gn fg 'GC' alt'd Sar gw cut by cream wht qtz ank strgs & vnlts with trc fg d py; +strong lamellae layered fabric locy at 50.75-51.85m @ 40 TCA & varying down hole to 50-60 TCA; at 51.85-52.0m buff pa tan alt'd narrow Scgl intercalated section & from 52.0-52.8m with occ'l occ'l small pebbles & red jasper grit to granules forming a wk alt'd cgl section; from 52.8-55.2m pa gn to vibrant gn fuchsitic sericite strong 'GC' alt'd interval of Sar gw + trc fg d py; at 54.85-55.2m finely laminated & layered Sar with qtz ank strgs @ 45-55TCA; sharp LCt@40TCA
	55.20	57.85	40	ILG Meta-Sediment Rx	pa-md gn	cse g	Conglomerate, Scgl(ILG); md pa gn, f md g, granular gritty gw matrix with 0.25 to 1 cm small pebbles with occ'l 3 cm cse pebbles & up to 6-10 cm cobbles to bldrs of pink qtzo-feldspathic felsic intrusive clasts, + red jasper grit & granules & occ'l 0.25 up to 4cm cse jasper pebbles locy; the interval is cut by cream wht qtz ank strgs & vnlts locy; sharp LCt@ 35TCA
	57.85	70.10	35	ILG Meta-Sediment Rx	md-dk gn	fg	Arenite graywacke, Sar gw (ILG); 57.85-58.9m pa md yellow gn to wk vibrant gn 'GC' alt'n zone with pa md yellow gn fuchsitic ser lamellae @ 25-35TCA & cut by cream wht qtz ank strgs & vnlts with dk gn wisps chl & wk fg d py, sharp 'GC' L internal Ct @ 25TCA at 58.9m; 58.9-70.1m md dk gn f to mdg granular to gritty Sar gw with occ'l 0.25cm reg jasper grit to granules & occ'l cse 0.25 granules of pink felsic intrusive granules, + cut by cal chl strgs & by cream wht qtz ank strgs; also occ'l rare isolated 2cm small pebble at 64.9m & several small 1 cm pebbles wkly scattered from 67.2-70.1m; at 69.7-70.1m sedimentary layering @ 45TCA; sharp subtle LCt @ 50TCA
	70.10	71.45	50	ILG Meta-Sediment Rx	md-dk gry gn-marroon	cse g	Conglomerate, Scgl(ILG); 70.1-70.55m md dk gn, f mdg, granular to gritty Sar gw matrix with cse granules & occ'l 2cm pebbles; 70.55-71.45m md to dk gry to gry marroon, hard silicified matrix & cut locy by cream wht qtz ank strgs & vnlts; + wk cal threadlike strgs+wk dk gn chl wisps & wispy strgs+trc fg d py locy; sharp L Ct@ 35TCA;

	71.45	82.90	35	ILG Meta-Sediment Rx	md gn-pa tan-dk gn	fg	Arenite graywacke, Sar gw (ILG); fg to gritty granular Sar gw, md gn with pa tan patchey alt'n proximal to thin qtz ank cal strgs; 72.2-72.8m strgly frct'd & brkn core; at 72.8-73.7m extremely brkn & frct'd core with seams of fault breccia that forms a tectonic fault breccia shattered zone as a FAULT BRECCIA ZONE with several defined fault bx zones @25TCA that defines the structural orientation; 73.7-82.9m md gn gritty Sar gw with occ'l 1-2 mm red jasper gritty granules +dk gn chl lined frcts + cream gry wht Cal mm to 1cm strgs; LCt jagged to wavy irreg;
	82.90	84.25	irreg	ILG Meta-Sediment Rx	md gn	cse g	Conglomerate, Scgl(ILG); md dk gn, f mdg, granular to gritty Sar gw matrix hosting 0.25-4cm small pebbles forming a matrix supported small pebble cgl with locally bright red jasper pebbles & cream wht to gry to dk gn polymictic clasts; the internal exhibits trc to wk fg d py + mod qtz chl & cal strgs; L Ct sharp ser chl slip @ 20 TCA;
	84.25	85.10	20	ILG Meta-Sediment Rx	md gn	fg	Arenite graywacke, Sar gw (ILG); md gn, f mdg, gritty Sar gw with isolated rare 0.5cm cse granules to small pebbles red jasper + wk qtz ank chl strgs+ cal strgs + trc-1% fg d py locy; LCt sharp wavy @ 70-80 TCA
	85.10	85.35	70-80	Intermed Intrusive	pa-md gn	fg	Aplite dike, Ap dk; pa gn ground mass, fg, massive uniform ground mass with 1mm anhedral alt'd xlls or clots of md gn chl after amphiboles & imparting a wk porphyritic texture; +wk qtz ank cal; LCt brkn;
	85.35	89.90	brkn	ILG Meta-Sediment Rx	md-dk gn	f-mg	Arenite graywacke, Sar gw (ILG); md gn, f mdg, gritty Sar gw with occ'l isolated 0.5-3.0 cm small pebbles locy as seen at 84.25-85.0m above & with several cse pebbles; wk cal strgs + wk ser filaments @ 30 TCA + wk chl + wk qtz strgs; LCt with slip sharp @ 20 TCA
	89.90	106.10	20	ILG Meta-Sediment Rx	md-dk gn	fg	Arenite graywacke, Sar gw (ILG); md dk gn, fg, gritty Sar gw to fg aphanitic mudstone mdst locy only; + cal strgs + wk qtz ank strgs + wk chl ser + minor chl cal slips @ 5 TCA at 99.0-99.6m; LCt @ 40 TCA
	106.10	106.85	40	Intermed Intrusive	md-gry gn	fg	Aplite dike, Ap dk; lt gry gn chilled fg bleach'd U & L Cts; fg, massive uniform dk locally contains a md gn layered Sar inclusion at 106.35-106.55m; + cal strgs & strong pervasive interstital cal + wk chl heal'd frcts; LCt sharp @ 25-35TCA
	106.85	107.40	25-35	ILG Meta-Sediment Rx	md-pa gn	fg	Arenite graywacke, Sar gw (ILG); md to pa gn, fg, layered & laminated Sar gw with pa gn layers @35TCA that are cut off by the Ap dk above & below; + cal strgs + strong pervasive interstitial cal + chl wisps & healed micro frcts; LCt sharp @ 50TCA
	107.40	107.50	50	Intermed Intrusive	md-gry gn	fg	Aplite dike, Ap dk; as previously seen at 106.1-106.85m with chilled fg contacts; + cal chl strg frcts + pervasive interstitial cal; both U & L Cts cut off Sar lamellae layering, with the UCt @ 50TCA & LCt @ 40 TCA
	107.50	108.70	40	ILG Meta-Sediment Rx	md gn-yellow pa gn	fg	Arenite graywacke, Sar gw (ILG); as previously seen above at 106.85-107.4m, md gn to yellow gn, fg, locally layered & laminated Sar gw @35 TCA; +ser wisps & filaments + cal strgs & pervasive interstitial cal + chl lined frcts + trc fg d py; LCt sharp to locy irreg @ 20TCA
	108.70	108.95	20	Intermed Intrusive	md-gry gn	fg	Aplite dike, Ap dk; as previously seen above at 107.4-107.5m; + cal strgs & pervasive interstitial cal + chl lined frcts; U & LCt irregular & scalloped locally @ 20 & 30 TCA;
	108.95	110.80	30 irreg	ILG Meta-Sediment Rx	md-gry gn	aphan-fg	Arenite graywacke, Sar gw (ILG); md gry gn, aphanitic to fg, gritty, a massive uniform interval of Sar gw exhibiting no layering & containing reddish marroon hematitic 1-3 mm rimmed granules; + cut by cal strgs & with strong pervasive interstitial cal; possible Ap dk from the contact relationship at the LCt that exhibits an angular disconformity & cuts off the layering in the unit directly below @ 20TCA;
	110.80	112.30	20	ILG Meta-Sediment Rx	md-dk yellow gn	fg	Arenite graywacke, Sar gw (ILG); as previously seen at 107.5-108.7m; md to dk yellow gn, locy gritty to very fg, Sar gw + yellow ser wisps & filaments @ 35TCA + chl wisps + chl lined frcts + qtz ank strgs + wk cal strgs; LCt conformable @35TCA
	112.30	118.85	35	ILG Meta-Sediment Rx	md-dk gn	cse g	Conglomerate, Scgl(ILG); polymictic cse pebble to cobble clast supported cgl from 112.3-117.6m, + cal strgs + wk ser filaments + silic'd + chl lined frcts; at 117.6-118.2m buff tan strongly silic'd + qtz strgs + cal pervasive bleach'd + wk chl lined frcts + trc py; LCt @ 35TCA
	118.85	119.85	35	ILG Meta-Sediment Rx	md-gry gn	aphan-fg	Arenite graywacke, Sar gw (ILG); as previously seen at 108.95-110.8m as md gry gn, aphanitic to fg, Sar; + cal strgs & pervasive interstitial cal + reddish marroon hematized rounded siliceous granules (possible Ap dk); wavy irreg LCt @ 45TCA
	119.85	120.40	45 irreg	ILG Meta-Sediment Rx	md-dk gn	cse g	Conglomerate, Scgl(ILG); as previously seen above at 112.3-118.85m as a narrow section of polymictic Scgl+qtzo feldspathic felsic intrusive cobbles in a dk gn matrix+ser local patches & wisps @25TCA+cal strgs & pervasive interstitial cal+chl healed frcts; LCt sharp @ 35TCA
	120.40	122.00	40	ILG Meta-Sediment Rx	md gn-yellow gn	fg	Arenite graywacke, Sar gw (ILG); as previously seen at 107.5-108.7m; md gn to yellow gn, finely laminated & layered Sar gw @20-25 TCA & up to 40TCA locy+yellow ser wisps & filaments+chl lined frcts+cal strgs & pervasive interstitial; LCt irregular wavy injected by Dbdk below @20TCA
	122.00	130.90	20 wavy	Mafic Intrusive	dk gn	f-mg	Diabase Dike, Db Dk (Matachewan dike swarm); Uct wavy irregular with apopheses injected into the Sar immediately above with a wavy Uct @ 20TCA; fg chilled contacts, md to dk gn fg xlline massive homogeneous uniform Db dk+pervasive interstitial cal+thin to threadlike wht cal strgs+dk gn chl healed & lined frcts;+fg disseminated magnetite <1mm xlls moderately magnetic with mag susceptibility readings SM-5 ranging from 0.3-4.5 c.g.s. units; at 130.1-130.7m strongly frctd & at 130.7-130.9m a strong MAJOR FAULT ZONE with 20cm of chl-clay fault gouge (gg) @ 15-20TCA that also marks the Db dk LCt;
	130.90	195.70	20	ILG Meta-Sediment Rx	md-gry gn	cse g	Conglomerate, Scgl(ILG); polymictic pebble & cobble Scgl with qtzo feldspathic felsic intrusive & red jasper pebbles & cobbles in a md gry gn granular to gritty matrix; the cgl is locy darkened near the upper contact of the DB dk above; the cgl is locy bleach'd to md to pa gry gn at 150.3-177.0m & at 182.5-187.5m & at 190.3-190.2m with local patchy pinkish buff tan bleach'd sections that carry trc-1% fg d py; at 171.9-173.0m strgly frct'd & brkn+dk gn chl healed microfrcts + pervasive interstitial cal bleach'd cgl & cut by threadlike cal strgs + wk qtz ank strgs + wk wisps & filaments of ser locy + the strongest alteration seems to be the pervasive interstitial cal that also exhibits strong pervasive to partial replacement textures by chemical leaching by cal within the bright red jasper cobbles & bldrs; sharp LCt @ 30TCA
	195.70	196.60	30	Intermed Intrusive	md-gry gn	fg	Aplite dike, Ap dk; md gry gn, fg ground mass with ,1-2mm subhedral to euhedral cloudy grey wht fsp phenocrysts imparting a porphyritic texture to the Ap dk; + cal strgs & strong pervasive interstitial cal + near the U & L Cts the Ap dk exhibits dk gn chl after amphiboles as 1mm clots & blebs with minor hematite in some of the blebs; sharp UCt@30TCA & LCt@45TCA

	196.60	206.50	45	ILG Meta-Sediment Rx	md-dk gn	cse g	Conglomerate, Scgl(ILG); as seen previously at 130.9-195.7m as a polymictic Scgl with qtzo feldspathic felsic intrusive & red jasper pebbles & cobbles in a dk gn granular to gritty matrix supported cgl from 196.6-198.3m; at 198.3-200.7m wkly silic'd+qtz strgs+pa to md pink hematite chl wisps+chl healed micro frcts+wk ser+ wk fg d py in pink arkosic matrix & nil cal; at 200.7-206.5m as at start of this interval wkly alt'd dk gn matrix with wk cal pervasive interstitial & cal strgs; at 205.0-206.5m local pinkish red hematitic altn wkly silic'd & bleach'd pinkish tan+chl lined frcts+chl cal strgs+qtz ank strgs+trc-<1% fg d py+LCt @ 65 TCA
	206.50	207.05	65	ILG Meta-Sediment Rx	md-yellow tan	aphan-fg	Arenite graywacke, Sar gw (ILG); pa to md yellow tan, aphanitic to fg, Sar + ser as wisps filaments & pervasive locy bleach'd + dk gn chl threadlike healed frcts + locally siliceous with rounded granules as qtz arenite sandstone lovcy; LCt @ 80TCA
	207.05	218.85	80	ILG Meta-Sediment Rx	md-dk gn	cse g	Conglomerate, Scgl(ILG); polymictic pebble & cobble matrix supported Scgl with qtzo feldspathic felsic intrusive & red jasper pebbles & cobbles in md dk gn granular to gritty matrix; + locy bleach'd patches of pinkish tan patches + cal strgs & pervasive interstitial cal + wk qtz ank strgs + chl healed microfrcts; LCt@ 65TCA
	218.85	219.50	65	ILG Meta-Sediment Rx	md gry gn	fg	Arenite graywacke, Sar gw (ILG); md gry gn fg gritty Sar gw + pervasive interstitial cal & wk cal threadlike strgs; LCt@65TCA
	219.50	220.80	65	ILG Meta-Sediment Rx	md gry gn	cse g	Conglomerate, Scgl(ILG); as previously seen above at 207.05-218.85m as a narrow section of polymictic Scgl + qtzo feldspathic felsic intrusive cobbles & red jasper cobbles in a md gry gn matrix + locy silic'd wkly bleach'd + qtz strgs + nil cal + trc py; LCt@40TCA
	220.80	222.00	40	ILG Meta-Sediment Rx	md-gry gn	fg	Arenite graywacke, Sar gw (ILG); as previously seen at 218.85-219.5m md gry gn, fg, gritty, Sar gw + pervasive interstitial cal + cal strgs; LCt@ 55TCA
	222.00	222.50	55	ILG Meta-Sediment Rx	md gn	cse g	Conglomerate, Scgl(ILG); as previously at 219.5-220.8m + wk pervasive interstitial cal locy; LCt@35TCA
	222.50	223.00	35	ILG Meta-Sediment Rx	pa-md gry gn	fg	Arenite graywacke, Sar gw (ILG); as previously seen at 220.8-222.0m + pervasive interstitial cal & wkcal chl strgs; LCt@50TCA
	223.00	224.30	50	ILG Meta-Sediment Rx	md gn	cse g	Conglomerate, Scgl(ILG); as previously see at 222.0-222.5m polymictic Scgl with red jasper pebbles + nil pervasive cal but wk chl cal strgs + chl lined frcts; LCt@35 TCA
	224.30	227.40	35	ILG Meta-Sediment Rx	md-gry gn	fg	Arenite graywacke, Sar gw (ILG); md gry gn, fg, gritty Sar gw to sandy qtz arenite locy + dk gn chl lined microfrcts + wk chl cal strgs; LCt@45TCA
	227.40	231.60	45	ILG Meta-Sediment Rx	md-dk gn	cse g	Conglomerate, Scgl(ILG); md-dk gry gn, fg, granular to gritty sandy qtz arenaceous matrix with cse pebbles & local cobbles as previous; dk gn chl lined frcts + patchy pervasive interstitial cal + locy silic'd; LCt@ 40TCA
	231.60	232.10	40	ILG Meta-Sediment Rx	md-dk gry gn	fg	Arenite graywacke, Sar gw (ILG); as previously seen at 224.3-227.4m as md to dk gry gn, fg, Sar gw to gritty sandy qtz arenite + wk chl healed microfrcts; LCt @ 40 TCA
	232.10	233.30	40	ILG Meta-Sediment Rx	md-dk gn	cse g	Conglomerate, Scgl(ILG); md to dk gn granular to gritty sandy matrix with 0.5-1cm gry wht small pebble cgl at 232.1-232.6m & with pebbles to small cobbles from 232.6-233.3m; + wkly silic'd + chl healed & lined microfrcts + Nil cal; LCt@40TCA
	233.30	233.80	40	ILG Meta-Sediment Rx	md-dk gn	fg	Arenite graywacke, Sar gw (ILG); as previously seen at 231.6-232.1m, md to dk gn fg gritty Sar gw to sandy qtz arenite + silic'd + qtz strgs locy + dk gn chl lined healed microfrcts; LCt@ 50TCA
	233.80	236.10	50	ILG Meta-Sediment Rx	md-dk gn blk	cse g	Conglomerate, Scgl(ILG); md to dk gn black, fg, wkly silic'd to hornfelsic baked matrix; + qtz strgs to brecciated qtz strgs locy + dk gn blk chl lined healed microfrcts; alt'd thermally baked hornfelsic contact area with Db dk below; LCt@55TCA
	236.10	237.15	55	ILG Meta-Sediment Rx	md-dk gn blk	fg	Arenite graywacke, Sar gw (ILG); md dk gn black, fg gritty locy granular+occ'l red marroon jasper grit locy+wk chl cal threadlike strgs; LCt@50TCA
	237.15	251.00	50	Mafic Intrusive	dk gn	f-mg	Diabase Dike, Db Dk (Matachewan dike swarm); dk gn, aphanitic to fg chilled contact zone at 237.15-244.0m & gradually becomes fg massive homogeneous uniform diabase dike; + dk gn chl lined frcts with minor threadlike cal strgs + fg disseminated <1 mm magnetite xll grains exhibiting mod to strongly magnetic signature from 1.0-3.8 c.g.s. units on a SM-5 magnetic susceptibility meter; where the Db dk has a f-mdg crystalline (xlline) texture there is a noticeable interlocking mosaic texture of ferromag minerals amphiboles with plagioclase feldspar and <1mm disseminated magnetite xll grains to EOH:
	251.00			EOH			
IMGW 19-04	0.00	8.10		Overburden			O/B, casing left in hole
	8.10	21.95		ILG Meta-Sediment Rx	md-dk gn	fg	Arenite graywacke, Sar gw (ILG); (ILG= Indian Lake Group Porcupine Assemblage); fg, md-dk gn, gritty to granular dirty Sar gw;+ cal 0.5cm strgs & strong pervasive interstitial cal + minor chl; + occ'l 1.0cm isolated small pebbles locy; at 18.5-19.0m foliation layering fabric @ 30TCA; + minor locy wkly magnetic at start of hole at 8.1-11.0m; + locally minor AP dk apopheses near contact from below; LCt @ 40TCA
	21.95	22.65	40	Intermed Intrusive	md-gry gn	aphan f-mg	Aplite dike, Ap dk; md gry gn, aphanitic fg to locy mdg, ground mass, narrow bleach'd pa gry chilled contacts as 1-2mm rinds + local injections or Ap dk apopheses at the UCt locy into the Sar gw unit above; + fg microscopic, pa gry plagioclase xllites in the ground mass + 1-2mm dk gn chl after amphibles as anhedral clots; + strong pervasive interstitial cal & wk cal strgs + occ'l chl ank strgs; sharp LCt@40TCA
	22.65	43.90	40	ILG Meta-Sediment Rx	md-dk gn	fg	Arenite graywacke, Sar gw (ILG); as previously seen above at 8.1-21.95m as dk to md gn, fg gritty Sar gw; + strong pervasive interstitial cal + cal strgs + chl healed microfrcts; Several FAULTS are located at 25.5-25.65m @ 30TCA& at 34.4-34.5m @ 25-30TCA each with chl clay gg; + locy frct'd & with 'in situ' micro brecciation with dk gn chl lined frcts; + 20cm QV at 26.65-26.85m withi FLT contact; + patchy wisps & filaments of ser within locally foliated sections at 29.0-42.4m@ 35 TCA; + strong pervasive interstitial cal + cal chl strgs for 1.0m before LCt; sharp LCt@20TCA
	43.90	88.65	20	Mafic Intrusive	dk gn	f-mg	Diabase Dike, Db Dk (Matachewan dike swarm); dk gn, fg chilled contact zones at upper & lower contact zones over several meters & grades from fg near the margins to f to md g Xlline massive homogeneous uniform diabase dike; + pervasive interstitial cal + dk gn chl strgs & lined frcts + cal strgs locy & minor threadlike cal strgs + fg disseminated <1 mm magnetite xll grains from 45.5-88.40m exhibiting mod to strongly magnetic signature from 1.0-4.9 c.g.s. units on a SM-5 magnetic susceptibility meter, locally non magnetic proximal to the U & L Cts & at 63.5-73.0m; sharp UCt@20TCA & slightly bleach'd pa gry fg aphanitic chilled LCt @ 55TCA

	88.65	103.10	55	ILG Meta-Sediment Rx	md-pa gn	fg	Arenite graywacke, Sar gw (ILG); from 88.65-89.35m dk gry, fg, Sar gw with md yellow wisps & filaments of ser @35TCA; at 89.35-90.0m md yellow gn ser + silic'd bleached Sar gw + qtz strgs + chl frcts; at 90.0-95.1m pa gn to md gry gn bleach'd silic'd gritty fg Sar gw + qtz strgs + ser + chl lined frcts + wk cal strgs + trc fg d py locy; at 95.1-103.1m aphanitic fg Sar qtz arenite that is pa yellow gn bleach'd, silic'd + qtz strgs + ser & locy yellow gn fuchsitic ser + chl lined frcts + wk cal strgs + trc fg d py; sharp LCt@15TCA
	103.10	103.50	15	Intermed Intrusive	md-pa gn	f-mg	Aplite dike, Ap dk; pa gn, fg massive uniform ground mass with 1-2mm anhedral fuzzy feldspar (fsp) phenocrysts & 1mm dk gn chl to fuchsitic ser alt'd xlls & anhedral clots after amphiboles imparting wk gn porphyritic texture;+bleach'd & silic'd+minor chl cal strgs near cts; irreg jagged LCt@40TCA
	103.50	104.80	40 irreg	ILG Meta-Sediment Rx	md-pa gn	fg	Arenite graywacke, Sar gw (ILG); as previously seen at 95.1-103.1m as aphanitic fg Sar gw to siliceous qtz arenite, pa yellow gn bleach'd, silic'd, + qtz strgs + ser & locy yellow gn fuchsitic ser + chl lined along frcts + wk cal strgs + trc-1% fg d py; sharp LCt@30TCA
	104.80	105.25	30	Intermed Intrusive	md-pa gn	f-mg	Aplite dike, Ap dk; as previously seen at 103.1-103.5m a better defined fsp porphyritic pa to md gn Ap dk with cloudy gry wht 1-2mm fsp phenocrysts + dk gn chl to fuchsitic ser alt'd after amphiboles also forming a porphyritic texture; sharp LCt@20TCA
	105.25	107.25	20	ILG Meta-Sediment Rx	md-pa gn	fg	Arenite graywacke, Sar gw (ILG); as previously seen at 103.5-104.8m as bleach'd md to pa gn, fg Sar gw + silic'd + qtz strgs + wk chl lined microfrcts + trc-1% fg d py; sharp LCt @ 45TCA
	107.25	124.00	45	ILG Meta-Sediment Rx	md-dk gn	f-cse g	Conglomerate, Scgl(ILG); a 107.25-108.25m a very strong silicified, pa to md gry to tan small pebble bleach'd Scgl+qtz strgs+wk chl lined frcts+1-2% fg d py; at 108.25-124.0m a md to dk gn granular to gritty matrix to a small pebble Scgl with granules & 0.5-5.0cm small pebbles to occ'l cobbles with locally bright red jasper granules small pebbles & rare 3-4cm cobble; at 108.25-114.0m chl qtz strgs+chl+wk cal strgs+wk ser+trc py; sharp LCt@30TCA
	124.00	143.95	30	ILG Meta-Sediment Rx	md-dk gn	fg	Arenite graywacke, Sar gw (ILG); md to dk gn, fg gritty Sar gw; + pervasive interstitial cal + cream wht cal strgs + wk wispy chl; at 125.5-126.5m a narrow shear foliation fabric delineated by wisps & filaments of yellow sericite @30TCA; at 126.4-142.7m strong pervasive interstitial cal + cal strgs; at 143.6-143.7m sheared fabric @35-40TCA followed by a strong FAULT ZONE at 143.7-143.8m with chl clay gg @ 30TCA, & followed by a frct'd section of Sar gw from 143.8-143.95m; LCt @ 20-25 TCA
	143.95	145.70	20-25	ILG Meta-Sediment Rx	md-pa gn	cse g	Conglomerate, Scgl(ILG); pa lt gry to m gry to locy buff tan, fg gritty to granular matrix with small pebbles & occ'l red jasper pebble in a cse small pebble Scgl; + silic'd with pervasive silicification + interstitial cal + trc fg d py; sharp LCt@60 TCA
	145.70	146.40	60	ILG Meta-Sediment Rx	md-gry gn	fg	Arenite graywacke, Sar gw (ILG); md gry gn, fg gritty Sar gw, massive uniform interval; sharp LCt@45TCA
	146.40	146.95	45	Intermed Intrusive	buff tan	fg	Aplite dike, Ap dk; pa beige to buff tan, fg ground mass with 1mm dk gn subhedral to anhedral Xlls chl amphiboles imparting a wk porphyritic texture; + pervasive interstitial cal & cal strgs + qtz strgs locy; brkn LCt@~45TCA
	146.95	155.95	45	ILG Meta-Sediment Rx	md-gry gn	fg	Arenite graywacke, Sar gw (ILG); md gry gn, fg gritty to locally granular Sar gw; + occ'l red jasper grit to granules locy; + at 148.4-149.6m cut by cream wht to locy pink cal strgs & patchy vnlets & by qtz strgs with occ'l cse splashs of Cpy locy at 149.0m; sharp Lct @35TCA
	155.95	165.40	35	Mafic Intrusive	md-dk gn	fg	Diabase Dike, Db Dk (Matachewan dike swarm); fg chilled U Ct slightly lighter gn & wklt frct'd, & rapidly becoming a fg massive uniform homogeneous Db dk; + exhibits finely disseminated fg magnetite that imparts a moderate magnetic signature with mag susceptilibity readings ranging from 0.8-2.9 c.g.s. units on a Scintrex SM-5 Susceptibility meter from 156.3-163.0m + the interval exhibits cream wht cal strgs & cal patches locy; at 164.7-165.4m a strong FAULT BRECCIA ZONE with a local shear fabric @20-30 TCA & a strong FAULT centered at 165.3-165.4m with chl cal gg @15-20TCA; the LCt of the Db dk is a strong fault contact with fault brecciated Db from 164.7-165.3m & fault chl cal varying 15-20TCA at 165.4m; LCt @ 15-20TCA
	165.40	174.65	15-20	ILG Meta-Sediment Rx	md-pa gry	cse g	Conglomerate, Scgl(ILG); **SPECIAL NOTE:-STRONG HYDROTHERMAL ALTERATION ZONE (Sil-Carb-Ser-Py-Au) from 165.40 - 221.5 meters over 57.1 m;** Conglomerate, Scgl; U Ct a fault contact @ 15-20TCA as part of a fault breccia & fault gg from 164.7-165.4 m within and at the end of the Db dk interval above; at 165.4-168.0m dk to md gn, small pebble Scgl with occ'l red jasper granules and becoming bleach'd md to pa gry from 168.0-174.65m; the interval exhibits strong pervasive silicification (silic'd), qtz strgs, chl qtz strgs vnlets, wk cal strgs locy, finely frct'd locally with qtz chl healed microfrcts; there are locally bright red jasper grit and granules & occ'l small 1-3 cm pebbles locy; the pervasive silicification & fracturing with chl healed microfrcts is cut by an apparent later stage qtz ank cal strgs that also cuts through pebble population that also includes the red jasper pebbles; strong pervasive silification and qtz flooding very strong at 173.5-174.65m; interval exhibits trc-1% fg d py in strg alt'd bleach'd, silic'd, qtz cal chl strgs & frct fillings; sharp wavy LCt@75-80TCA
	174.65	177.55	75 wavy	ILG Meta-Sediment Rx	md gn	fg	Arenite graywacke, Sar gw (ILG); md gn, fg, massive uniform gritty Sar gw + strong pervasive interstitial cal + qtz ank strgs & vnlts that locy cut the Sar; + trc fg d py; sharp LCt @ 35TCA
	177.55	183.55	35	ILG Meta-Sediment Rx	md-pa gry	cse g	Conglomerate, Scgl(ILG); polymictic pebbles to cobbles of pa pink felsic intrusives & red jasper pebbles locy clast supported Scgl with md to pa gry gritty granular matrix alt'd bleach'd & silicified + cal chl strgs + locy micrfrct'd with dk gn chl healed micro fracts that cut both the matrix and sed clasts throughout the interval; + trc-1% fg d py; sharp LCt @65TCA
	183.55	184.70	65	Intermed Intrusive	pa gn	fg	Aplite dike, Ap dk; pa gn ground mass, fg, massive uniform ground mass with cream wht lathes & very fine felted plagioclase microscopic xllites + 1-2mm md gn chl to fuchsitic ser anhedral alt'd xlls or clots after amphiboles & imparting a wk porphyritic to speckled texture + local trc grains & blebs with Xll grains enveloped in wk marroon hematite + pervasive interstitial cal + cal strgs; LCt locy brkn ~@ 45TCA
	184.70	190.15	45	ILG Meta-Sediment Rx	md-pa gry to pink tan	cse g	Conglomerate, Scgl(ILG); as previously seen at 177.55-183.55m, a polymictic cse pebble & cobble clasts of pink to marroon qtzo feldspathic fg to porphyritic felsic intrusives & red jasper granules & pebbles, locy clast supported Scgl with md to locally pa gry gritty granular gw matrix; alt'd bleach'd & silicified + pervasive interstitial cal & cal strgs + locy micrfrct'd with dk gn chl healed micro fracts that cut both the matrix and sed clasts throughout the interval & excellent examples at 185.8m & at190.0m of brecciation and chl healed frcts; + trc-1% fg d py; irregular wavy to jagged LCt @~30TCA
	190.15	191.50	30 irreg	ILG Meta-Sediment Rx	md-gry tan	fg	Arenite graywacke, Sar gw (ILG); md gry tan, fg, gritty Sar gw + fg grains of red jasper (microscopic) + pervasive interstitial cal & cal strgs + trc hematite + dk gn blk chl healed micro frcts & thin threadlike strgs; + trc fg d py; LCt @ 45TCA

	191.50	192.65	45	ILG Meta-Sediment Rx	md-pa gry to pink tan	cse g	Conglomerate, Scgl(ILG); as seen previously at 184.7-190.15m as a polymictic cse pebble & cobble clasts locy angular frct'd to round of pink to marroon qtzo feldspathic fg to porphyritic felsic intrusives & red jasper granules & pebbles, locy clast supported Scgl with md to locally pa gry gritty granular gw matrix; alt'd bleach'd & silicified + pervasive interstitial cal & cal strgs + locy micrfrct'd with 1-2mm of dk gn chl healed micro fracts; + locy patchy tan pink; + trc-1% fg d py; LCt @ 50-60TCA
	192.65	192.80	50-60	ILG Meta-Sediment Rx	pa buff tan	aphan-fg	Arenite graywacke, Sar gw (ILG); pa buff tan, aphanitic to fg, strong pervasive silicified Sar gw with sections of pervasive replacement as foggy pa gry wht flooded aphanitic qtz strgs; + chl lined frcts + trc py; sharp LCt@ 50TCA
	192.80	192.85	50	Intermed Intrusive	pa gn	fg	Aplite dike, Ap dk; as previously seen above at 183.55-184.7m a pa gn, fg, narrow Ap dklet with UCt@50TCA; +chl lined frcts + 1mm dk gn alt'd flecks chl after amphiboles imparting a wk porphyritic texture; irreg jagged LCt
	192.85	193.15	jagged	ILG Meta-Sediment Rx	pa buff tan	aphan-fg	Arenite graywacke, Sar gw (ILG); as previously seen at 192.65-192.8m, a pa buff tan, aphanitic to fg silicified Sar gw + dk gn chl healed micro frcts + local yellow ser in silicified & frct'd Sar; at 193.1-193.15m a QV @60TCA with dk gn chl lined frcts; +1-2% fg d py lined frcts; sharp LCt@60TCA
	193.15	194.35	60	Intermed Intrusive	pa gn	fg	Aplite dike, Ap dk; as previously seen at 183.55-184.7m as a pa gn, fg ground mass with anhedral cloudy wht 1mm fsp blebs + 1mm dk gn chl wispy flecks after amphiboles that impart a fine porphyritic to speckled texture overall; at 193.5-193.75m pa gry to buff tan cream, fg bleach'd Ap dk with a local foliation fabric @ 50-70TCA + trc-1% fg d py; at 193.75-194.35m pa gn bleach'd silicified groundmass with 1mm flecks of chl after amphibole + chl + fuchsitic ser + chl lined & healed micro frcts; sharp LCt @ 55 TCA with QV below
	194.35	194.50	55	Quartz Vein	white-pa gry	aphan	Quartz Vein, QV; wht to pa gry 15 cm QV with black to gn chl lined frcts +1% fg d py; LCt @ 75TCA
	194.50	195.65	75	ILG Meta-Sediment Rx	buff tan-pa cream tan	aphan-fg	Arenite graywacke, Sar gw (ILG); buff tan to cream tan, aphanitic to fg, strongly alt'd bleach'd Sar + extremely pervasively silicified + ser wispy filaments + wispy chl + cut by qtz ank vnlets locy + locy frct'd with chl healed frcts + trc-1% fg d py; LCt @45TCA
	195.65	202.20	45	ILG Meta-Sediment Rx	pa buff tan-pa yellow gn	fg	Arenite graywacke, Sar gw (ILG); similar to above at 194.5-195.65m, buff pa tan from 195.65-197.0m to pa yellow gn from 197.0-202.2m, fg, strongly alt'd bleach'd Sar+extremely pervasively silicified+ser wispy filaments @35TCA+wispy chl+cal strgs+chl healed frcts; at 200.0-202.2m shattered brecciated Sar with dk gn chl healed microfrcts; strong ser lamellae @35TCA from 197.0-202.2m & with pa yellow gn fuchsitic ser + trc-1% fg d py; irreg LCt@~5-35TCA
	202.20	205.70	15-35	ILG Meta-Sediment Rx	pa-md gry-md yellow gn	cse g	Conglomerate, Scgl(ILG); UCt is wavy to irregular & varies from 15-0-35TCA locally disrupted by possible kink folds; small pebble Scgl, alt'd bleach'd, silic'd, 'in situ' micro brecciated md gry sil'd cgl with local narrow intervals of bx'd yellow gn fg Sar to qtz arenite + QVs that are also bx'd + the micro bx'd frcts are healed by dk gn chl & fg py; + strong bleached silicified + cal strgs locy + qtz vns & bx'd qtz vns; at 203.8-203.9m frct'd bx'd QV with dk gry to gn chl & 1-3% fg stoney to muddy py with the UCt brkn & LCt @ 55-60TCA; at 204.1-204.3m gry wht QV dk gn chl healed microfrcts with irreg & brkn U & L Cts; at 204.3-205.7m strongly bx'd small pebble cgl with pervasive microbrecciation & healed frcts by dk gn chl & 1-3% fg d py; LCt brkn appears sharp @25TCA
	205.70	208.80	25	ILG Meta-Sediment Rx	pa buff tan-md yellow gn	fg	Arenite graywacke, Sar gw (ILG); pa tan to md yellow gn, fg, alt'd bleach'd Sar gw mostly with minor variation with sandy qtz grains to a qtz arenite sandstone locy; microbrecciated with dk gn chl & cal healed frcts & minor ser lined frcts & slips; + ser wavy wisps & lamellae filaments @30-35TCA + qtz ank strgs & vnlts locy bx'd; the yellow gn vibrant color locy attributed to fuchsitic ser; the LCt is sharp @ 55TCA and crosscuts the foliation lamellae at 90 TCA forming a sharp fault slice & angular disconformity with the next interval Scgl following below;
	208.80	212.00	55	ILG Meta-Sediment Rx	pa-md gry-tan	m-cse g	Conglomerate, Scgl(ILG); as previously seen at 202.2- 205.7m as a granular to small pebble cgl, pa to md gry to locy tan yellow, strongly alt'd, pervasively silicified, QVs & bx'd qvs, microfrct'd matrix & bx'd pebbles with frcts healed by dk gn to black chl & fg py; at 209.35-209.6m bx'd QV with 3-5% fg d muddy looking py strgs & seams as host to the bx'd clasts & as frct filled cement to the bx'd Qv; at 209.6-210.15m large QV with 3-5% fg d muddy py as seen before; at 211.0-211.0m fg aphanitic pervasively silicified & flooded by aphanitic pa buff tan qtz with 1-3% fg d py; +qtz cal strgs, qtz ank vnlts, dk gn chl lined frcts in matrix & in clastic pebbles; LCt@30TCA
	212.00	213.20	30	ILG Meta-Sediment Rx	md buff tan brn	fg	Arenite graywacke, Sar gw (ILG); buff md tan brn, fg, bleach'd alt'd Sar gw, silicified, qtz ank cal chl strgs, dk gn chl lined microfrcts,; +trc-1% fg d py: bx'd & fragmented with near LCt @40TCA
	213.20	214.15	40	Intermed Intrusive	pa gn	fg	Aplite dike, Ap dk; bleach'd pa gn, fg groundmass, microbx'd with dk gn chl lined frcts; + md gn <1mm alt'd chl after amphibole alt'd xlls exhibiting a wk porphyritic texture; + chl, fuchsitic ser locy; + several buff tan brn 7 cm & 15 cm alt'd inclusions of Sar; LCt@30TCA
	214.15	216.05	30	ILG Meta-Sediment Rx	buff tan-red tan-yellow gr	fg	Arenite graywacke, Sar gw (ILG); as previously seen at 212.0-213.2m as bleach'd alt't Sar gw +qtz ank strgs, cal strgs, qtz cal strgs, ser, reddened hem locy, & dk gn chl lined microfrcts; pa yellow coloration indicates an increase in wisps & flecks of ser; trc-1% fg d py; LCt irreg jagged @ 35-60TCA
	216.05	219.00	60-65	ILG Meta-Sediment Rx	md tan yellow-gry-pink	m-cse g	Conglomerate, Scgl(ILG); pebbles & cobbles polymictic Scgl with pinkish tinge + red jasper granules + bx'd with chl lined healed microfrcts + qtz strgs & occ'l vnlts + silicified + local hematized + trc-1% fg d py; LCt @ 60TCA
	219.00	220.70	60	ILG Meta-Sediment Rx	md yellow gn-md gn	fg	Arenite graywacke, Sar gw (ILG); md yellow gn to md gn alt'd Sar + fuchsitic ser + wispy lamellae ser @40-45TCA + moderate silicification + cal ank strgs + small red pebbles & granules of jasper + trc to 1% fg d py; LCt@ 20TCA
	220.70	221.50	20	ILG Meta-Sediment Rx	pa-md gry	m-cse g	Conglomerate, Scgl(ILG); as previously seen at 216.05-219.0m a md to cse polymictic pebble Scgl + strongly silicified & pervasively flooded with qtz + wl cal strgs wispy ser + microfrct'd matrix & pebbles with dk gn chl healed frcts;+ red jasper granules +trc-1% fg d py; LCt@20TCA; **SPECIAL NOTE: END OF STRONG HYDROTHERMAL ALTERATION ZONE**
	221.50	223.95	30	ILG Meta-Sediment Rx	md gn	fg aphan	Arenite graywacke, Sar gw (ILG); very fg to aphanitic, md gn & massive uniform silty argillaceous fg mudstone Sar mdst; + wk cal strgs + minor qtz strgs locy; irregular LCt@50-60TCA,
	223.95	224.20	55-60	ILG Meta-Sediment Rx	md gn	m-cse g	Conglomerate, Scgl(ILG); small pebble Scgl, md gn, md to cse granular to gritty matrix + small pebbles in matrix supported cgl; wkly silic'd + qtz strgs locy; LCt @40-50TCA
	224.20	225.15	40-50	ILG Meta-Sediment Rx	buff tan gn-pinkish tan	aphan-fg	Arenite graywacke, Sar gw (ILG); buff tan to gn to pinkish tan, fg granular to gritty Sar gw to siliceous qtz arenite; +qtz strgs + chl wisps + ser wispy lamellae @ 45TCA + trc-1% fg d py locy; LCt@50TCA

	225.15	226.60	50	ILG Meta-Sediment Rx	md gn-gry gn	cse g	Conglomerate, Scgl(ILG); md gn to gry gn, md to cse g gritty to granular gw matrix, with polymictic pebbles & cobbles of qtzo feldspathic felsic porphyritic intrusive & bright red jasper pebbles & pink to marroon fg felsic intrusive pebbles forming a clast supported Scgl; +dk gn chl healed & lined microfrcts + qtz cal strgs with local minor pink bleaching + trc-1% fg d py; LCt @60TCA
	226.60	226.90	60	Intermed Intrusive	md gn	fg	Aplite dike, Ap dk; md gn, fg groundmass with 1mm cloudy gry wht fsp anhedral xlls grains to blebs imparting a wk porphyritic texture; U & LCts @ 60 & 50 TCA respectively for this narrow Ap dklet
	226.90	254.00	50	ILG Meta-Sediment Rx	md gn-gry gn	cse g	Conglomerate, Scgl(ILG); md gn to gry gn, f-md g gritty matrix hosting cse multilithic pebbles & cobbles varying from pink red qtzo feldspathic porphyritic felsic intrusives, dk gn volcanics & sedimentary pebbles, bright red jasper pebbles, + gry to tan sedimentary & volcanic pebbly clasts forming a matrix supported cse polymictic Scgl to EOH; + the interval is cut locy by cal strgs + qtz carb strgs within a patchy pa pink matrix locy + trc-1% fg d py; + generally wk altn in this section of Scgl + long axes of some pebbles may mimic strata fabric@ 30-40 TCA at 248.4m; frct'd core 248.0-254.0m.
	254.00			EOH			
IMGW 19-05	0.00	8.00		Overburden			O/B, casing left in hole
	8.00	35.85		ILG Meta-Sediment Rx	md gn	fg	Arenite graywacke, Sar gw (ILG); (ILG= Indian Lake Group Porcupine Assemblage); md gn,fg,gritty granular dirty Sar gw;+ moderate pervasive interstitial cal & cal threadlike strgs+occ'l 0.5cm cal strgs; at 16.8 m foliation lamellae layered fabric@45TCA & possible layering at 16.9-17.0m @30-35TCA; at 19.2-19.7m & at 24.9-25.8m minor 1-2cm small isolated pebbles in gritty granular Sar gw; at 25.0-28.9m Sar gw also has a wk reddish brn hue from reddish brn granules & wk hematized feldspathic felsic intrusive granules; sharp LCt@80TCA
	35.85	39.40	80	Intermed Intrusive	md-pa gn	f-mg	Aplite dike, Ap dk; aphanitic to fg, pa gry gn, fg groundmass with anhedral cloudy gry wht 1mm long by 0.2mm wide plagioclase fsp prismatic xllites lathes + md to dk gn <1mm to 1-2mm dk gn chl anhedral wispy flecks & spots subhedral chl after amphibole that impart a fine porphyritic to speckled texture overall; the Ap dk is locally bleached & varies to pa yellow gn with fg wisps & flecks of sericite to fuchsitic ser that mimics a wk 'GC' altn zone + wk pervasive cal + narrow cal strgs & thread like cal strgs & < 1cm qtz ank strgs locy; + rare trc py; LCt wavy irreg @ 35TCA;
	39.40	46.40	35	ILG Meta-Sediment Rx	md marroon-md gn	fg	Arenite graywacke, Sar gw (ILG); similar as seen at 25.0-28.9m; a md marroon brn, fg gritty with pinkish marroon hematized arkosic grit & granules in a Sar gw; + strong pervasive interstitial cal + cal hem chl strgs & threadlike strgs; at 45.4m an internal bedding contact @ 40TCA marking the end of the marroon Sar above to a change to md gn, fg Sar below to 46.4m; + LCt a sharp frct slip from 46.35-46.6m with chl ser-cal @10TCA
	46.40	55.45	10	ILG Meta-Sediment Rx	pa gn-vibrant yellow gn	fg	Arenite graywacke + 'green carbonate', Sar gw+'GC' (ILG); lt pa gn to pa yellow gn, fg gritty Sar gw exhibiting fuchsitic ser with qtz ank strgs & vnlts in an alt'd bleach'd 'GC' zone; the interval exhibits brecciation with dk chl & cal healed microfrcts & also by qtz ank strgs + trc fg py; the interval is also cut by qtz ank vnlets to 5-10 cm cse Vns locy; + from 46.4-48.7m wk-mod bleach'd, & then followed by strongly bleach'd pa gn from 48.7-51.2m, & finally from 51.2-56.75m mod bleach'd to pa to md gn 'GC' Sar; + rare 1cm red jasper small pebble locy at 49.15m; + sharp to wavy LCt @ 75TCA
	55.45	56.75	75 wavy	Intermed Intrusive	pa-md gn - md gry	fg	Aplite dike, Ap dk; pa to md gn, fg groundmass with mottled texture with 1mm dk gn chl anhedral wispy flecks after amphibole (hornblende) that impart a fg porphyritic to speckled texture overall + cut by qtz ank strgs; + sil'd, ser, wk chl, & trc py + wk pervasive cal at 56.0-56.75m; possible Sar gw incls locy & LCt @ 60TCA
	56.75	58.80	60	ILG Meta-Sediment Rx	md gn	fg	Arenite graywacke, Sar gw (ILG); md gry gn overall, patchy md to pa gn locy, fg gritty to granular Sar qtz arenite with occ'l cse granules to small 0.5-2cm pebbles locy & locally brecciated small sed clasts; + trc-1% fg d py; LCt sharp wavy @60TCA
	58.80	59.00	60	Intermed Intrusive	pa buff gry	fg aphan	Aplite dike, Ap dk; pa buff gry, fg aphanitic groundmass with very fg acicular xll needles of md gn amphibole xllites (hornblende); + very strong pervasive cal; + sharp LCt @ 30TCA
	59.00	66.75	30	ILG Meta-Sediment Rx	md gn - md gry gn	fg	Arenite graywacke, Sar gw (ILG); md gry gn to md gn, fg gritty to locy granular with occ'l 0.5cm small pebbles & rare isolated 2-3 cm pebble in a predominently Sar gw; at 59.0-59.95m md gry, fg, hard & strongly silicified + trc-2% fg d py; at 59.95-66.1m md gn to md gry gn fg gritty to granular Sar gw with patches of pervasive interstitial cal + qtz ank strgs + occ'l isolated <1 cm pebbles locy + local wk patchy honey yellow ser at 64.8-65.6m; at 64.8-65.2m shear fabric with ser lamellae filaments @35TCA, & at 65.5-65.6m a STRONG SHEAR ZONE & FAULT ZONE with UCt @ 35TCA & LCT@40TCA as a 10cm ser-cal-chl-gg schist@ 35 TCA; at 65.6-66.75m mg gn fg gritty Sar gw + qtz ank strgs; + LCt @2 45TCA
	66.75	70.95	45	ILG Meta-Sediment Rx	md-dk gn	cse g	Conglomerate, Scgl(ILG); polymictic cse pebble & cobble clast supported Scgl as a pinkish red to locy buff tan patchy cgl bed with dk gry gn matrix hosting pink to marroon red qtzo feldspathic cse xlline to porphyritic & fg felsic intrusive pebbles to cobbles + occ'l brick red to bright red jasper pebbles; + qtz ank strgs + minor chl cal strgs + chl + wk ser where cgl bleach'd tan beige + trc-1% fg d py; sharp LCt @75TCA
	70.95	73.65	75	ILG Meta-Sediment Rx	md-dk brn gn	f-mg	Arenite graywacke, Sar gw (ILG); md to dk brn gn, f-md g, gritty to granular Sar gw + md g marroon red felsic intrusive & red jasper granules; + wk chl cal strgs; sharp LCt@50TCA
	73.65	75.05	50	ILG Meta-Sediment Rx	md gn brn	m-cse g	Conglomerate, Scgl(ILG); md gn matrix with fg grit & granules grading downhole to cse small pebble Scgl suggesting that stratigraphic tops are possibly up hole & facing an easterly azimuth, & the cse granules vary from 0.25cm to 1-3cm towards the base of the interval + local bright red jasper grit, granules & small pebbles; + long axes of some pebbles @45TCA; LCt@ 45TCA
	75.05	84.90	45	ILG Meta-Sediment Rx	md gn	fg	Arenite graywacke, Sar gw (ILG); md gn, fg to gritty Sar gw from 75.05-79.7m with minor red jasper grit + cal strgs + wk chl; at 79.7-83.6m bleach'd pa to md gn to buff tan + mod silcification + cream wht qtz ank strgs & vnlets + a strong QV with ank at 82.7-83.5m with UCt @45TCA & wavy irregular LCt with feathered strg + trc fg d py; at 83.6-84.9m same as at the start of interval as md gn, fg gritty granular Sar gw with wk cal strgs + trc wk qtz cal strgs locy; + sharp subtle LCt @ 40TCA

	84.90	88.25	40	ILG Meta-Sediment Rx	md-dk brn gn	cse g	Conglomerate, Scgl(ILG); at 84.9-86.6m md gn, gritty matrix with gradual increase in cse lithic granules & small pebbles from 0.5-3 cm that includes red jasper grit & granules & occ'l 3 cm jasper pebbles; at 86.6-88.25m md brn matrix to locy buff tan matrix with cse grit & granules of pinkish red felsic intrusive clasts & occ'l cse pebble to cobbles up to 8 cm but still matrix supported with the matrix exhibiting a md pinkish brn hue from the felsic grit & granules & reddening from possible hematite dusting; the interval is cut thin threadlike cal strgs & by qtz ank strgs + trc py; subtle & wavy LCt@50TCA
	88.25	92.50	50	ILG Meta-Sediment Rx	md-dk gn	f-mg	Arenite graywacke, Sar gw (ILG); md to dk gn, fg to mdg gritty to fine granular Sar gw with 1-2 mm gritty granules; + cut by cream wht to locy pink cal strgs & vnletsthroughout the interval; sharp LCt @ 45TCA;
	92.50	93.65	45	ILG Meta-Sediment Rx	pa-md gn	fg aphan	Arenite mudstone, Sar mdst (ILG); md gn, fg aphanitic, Sar mudstone (mdst) that is very finely laminated & layered with alternating pa to md gn lamellae layering @50-60TCA & locy @ 45TCA; + cut by cal strgs & minor qtx ank strg vnlts; + sharp LCt@65TCA
	93.65	93.75	60	Intermed Intrusive	md-pa gn	f-mg	Aplite dike, Ap dk; pa to md gn, fg groundmass with md to dk gn 1mm anhedral chl spots as chl after amphibole (hornblende) that impart a wk fg porphyritic texture for this Ap dk; sharp LCt @65TCA
	93.75	93.85	65	ILG Meta-Sediment Rx	md olive gn-md-dk gn	fg	Arenite mudstone, Sar mdst (ILG); as previously seen at 92.5-93.65m,with md olive gn to locy md dk gn, fg aphanitic, Sar mudstone (mdst) that is very finely laminated & layered @45TCA; + cut by cal strgs locy; + LCt@40TCA
	93.85	104.80	40	ILG Meta-Sediment Rx	md-dk gn blk - md gn	cse g	Conglomerate, Scgl(ILG); at 93.85-98.1m a polymictic pebble to cobble matrix supported Scgl with dk gn black, f-mdg gritty matrix, and from 98.1-104.8m a md gn matrix that is wkly bleach'd to pa gn locy that varies from a matrix to a clast supported pebble cobble bldr Scgl; the sedimentary clasts consists of pink to brick red qtzo feldspathic felsic intrusives cobbles & bldrs both as cse porphyritic texture & as fg massive uniform felsic intrusives + occ'l red jasper pebble; + cut by wk cal strgs & qtz ank strgs + wk pervasive interstitial cal locy + trc fg d py; + wavy undulating irreg to brkn LCt @~20-40TCA
	104.80	105.60	20-40	ILG Meta-Sediment Rx	md olive gn - tan gn	fg aphan	Arenite mudstone, Sar mdst (ILG);md olive gn to tan gn, fg aphanitic, Sar mdst as a very fg silty gritty intercalated Sar mdst bed or layer within the Scgl sequence above & below; + cut by qtz ank strg vnlts + chl + trc fg d py & occ'l bleb to splash Cpy + locy cut by dk gn chl healed microfrcts + qtz ank strgs + wk cal strgs locy; + sharp LCt @25TCA
	105.60	107.40	25	ILG Meta-Sediment Rx	dk gn brn - pinkish	cse g	Conglomerate, Scgl(ILG); as previously seen at 98.1-104.8m above, a polymictic pebble, cobble & bldr clast supported Sar cgl with local red jasper pebbles in a md gn to buff tan matrix; + locy cut by qtz ank strgs + wispy filaments of yellow ser + a small 5.0 cm qtz ank vn with wispy chl lamellae & py at 106.3-106.35m @40TCA; sharp LCt@40TCA
	107.40	108.00	40	Intermed Intrusive	md-pa gn	f-mg	Aplite dike, Ap dk; pa to md gn fg groundmass + 1mm dk gn chl specks & flecks as chl after amphiboles forming a wk porphyritic texture; + wkly bleach'd + qtz ank thin strgs; + LCt @55TCA
	108.00	108.10	55	ILG Meta-Sediment Rx	pa buff tan - gn	cse g	Conglomerate, Scgl(ILG); as previously seen above at 105.6-107.4m; wavy irreg LCt @ 75TCA
	108.10	108.20	75	Intermed Intrusive	md gn	fg	Aplite dike, Ap dk; as previously seen above at 107.4-108.0m; md gn & fg & chilled; +LCt @55TCA
	108.20	108.45	55	ILG Meta-Sediment Rx	pa buff tan - gn	cse g	Conglomerate, Scgl(ILG); as previously seen above at 105.6-107.4m; scalloped wavy irreg LCt
	108.45	108.75	wavy irreg	Intermed Intrusive	pa-md olive gn	f-mg	Aplite dike, Ap dk; as previously seen above at 107.4-108.0m; pa to md buff tan to olive gn, fg with fg acicular to wispy fsp xllites + ser flecks in the fg groundmass; + wk qtz ank strgs + wk chl; + LCt @50TCA
	108.75	109.15	50 brkn	ILG Meta-Sediment Rx	pa gn	cse g	Conglomerate, Scgl(ILG); as previously seen above at 105.6-107.4m; cse pebble cobble polymictic Scgl; +wavy LCt @40TCA
	109.15	109.25	40	Intermed Intrusive	md gn	fg	Aplite dike, Ap dk; as previously seen above at 108.1-108.2m; md gn, fg, massive Apdk; + wavy irreg LCt @60TCA ,
	109.25	109.40	60-irreg	ILG Meta-Sediment Rx	pa gn gry	cse g	Conglomerate, Scgl(ILG); as previously seen above at 108.75-109.15m; wk to mod wispy ser & thin strgs; sharp LCt @40TCA
	109.40	109.75	40	ILG Meta-Sediment Rx	pa buff tan gn	fg aphan	Arenite mudstone, Sar mdst (ILG); pa buff tan to pa gry, fg to aphanitic, wkly layered with fine lamellae laminated @50-60TCA; + bleach'd & silicified + wk qtz ank strgs + wk incipient flecks beige yellow ser + wk chl lined frcts; sharp LCt @50TCA
	109.75	109.85	50	Intermed Intrusive	md gn - md dk marroon	fg	Aplite dike, Ap dk; md gry gn bleach'd 1-2cm chilled borders to a dk marroon wkly magnetic (wk magnetite) in the central portion to the narrow Ap dklet; + sharp LCt @ 60TCA
	109.85	112.30	60	ILG Meta-Sediment Rx	md gry gn	cse g	Conglomerate, Scgl(ILG); a polymictic matrix supported Scgl with a low % of pebbles &cobbles; the matrix is pa to md gry gn, fg gritty to mdg granular as matrix supported host to buff beige siliceous felsic cobbles & md gry to pinkish marroon felsic intrisive pebbles & occ'l red to marroon jasper grit granules & pebbles locy; + bleached silicified + ser + wk qtz ank strgs & wk cal strgs; irreg to jagged LCt no angle;
	112.30	113.35	irreg	ILG Meta-Sediment Rx	pa-md gn	fg	Arenite graywacke, Sar gw (ILG); pa to md gn, fg gritty Sar gw; +wk qtz ank strgs + wk cal strgs + pa yellow gn locally bleach'd near LCt with qtz ank strgs; + sharp LCt @30TCA
	113.35	115.95	30	ILG Meta-Sediment Rx	md gn	md cse g	Conglomerate, Scgl(ILG); as previously seen above at 109.85-112.3m; md to dk gn, f to md g gritty to granular matrix for a matrix supported small pebble polymictic Scgl with a low % of sed clasts + red jasper grit, granules,& small pebbles; + locally silicified + qtz ank strgs locy + wk cal strgs; at 115.85m a very narrow 1cm Ap dklet md gn aphanitic chilled with contacts @30TCA; + Scgl LCt @45TCA
	115.95	116.10	45	Intermed Intrusive	md gn	fg	Aplite dike, Ap dk; narrow pa-md gn, fg Ap dk with pa gn fg aphanitic chilled bleach'd contact margins and progressing to a md gn, fg center to Ap dk; + strong pervasive cal & cal strgs + chl lined frcts; + jagged to sharp LCt @~30 TCA
	116.10	116.20	30	ILG Meta-Sediment Rx	md gn	md cse g	Conglomerate, Scgl(ILG); as previously seen above at 113.35-115.95m a very narrow Scgl interval+sil'd+qtz strgs+chl lined frcts & strgs; +LCt@30TCA
	116.20	118.25	30	ILG Meta-Sediment Rx	md gn	fg	Arenite graywacke, Sar gw (ILG); md gn, fg, gritty to sandy Sar gw with patchy cse granules & occ'l small 1-2 cm isolated small pebbles locy; + silicified + qtz threadlike strgs + yellow wisps to filaments & incipient fg flecks sericite + at 117.2-117.7m very strong ser filaments & lamellae foliation fabric varying from 30-50TCA with qtz ank strgs & trc py; sharp LCt @ 25 TCA

	118.25	119.30	25	Intermed Intrusive	md gn	fg	Aplite dike, Ap dk; pa gn gry, fg groundmass with 1mm anhedral cloudy wht fsp clots & 1mm dk gn chl after ampbiboles flecks forming a wk porphyritic textured Ap dk; + wkly bleach'd + wk qtz strgs + occ'l 0.5cm pebble or Sar inclusion; LCt sharp @ 65TCA
	119.30	122.50	65	ILG Meta-Sediment Rx	pa-md gn gry	fg	Arenite graywacke, Sar gw (ILG); pa to md gry gn, fg gritty to granular sandy Sar gw with occ'l small <1cm pebbles locy & red jasper grit & granules locy; at 121.2-121.9m locy granules to small pebble wk cgl with contacts @irreg/45 TCA; +wk silic'd+qtz strgs+chl frcts+wk cal strgs; irreg LCt@80TCA
	122.50	129.00	80 wavy	ILG Meta-Sediment Rx	md gn-pa gn gry	aphan-fg	Arenite mudstone, Sar mdst (ILG); md gn to pa gry gn, fg aphanitic finely laminated with rapidly alternating lamellae layered fabric @55TCA at 123.0m & @50TCA at 123.5m & @40TCA at 123.8-127.5m & at 35TCA at 127.8m & @45TCA at128.0-128.8m; +md gn chl + pa gry gn filaments & lamellae ser + wk cal strgs + local disrupted layering lamellae to slump textures locy; sharp LCt @25TCA
	129.00	129.45	25	ILG Meta-Sediment Rx	md-dk gn	mdg - cse g	Conglomerate, Scgl(ILG); narrow intercalated bed of small 0.5 to 3 cm pebble polymictic Scgl with red jasper grit, granules & small pebbles in a md dk gn matrix supported Scgl; +cal strgs + wispy filaments & lamellae ser + trc fg d py; +sharp LCt @40TCA
	129.45	130.40	40	ILG Meta-Sediment Rx	md-pa gn	fg	Arenite mudstone 'green carbonate, Sar mdst +'GC'gw (ILG); md to pa gn, fg finely laminated with alternating md gn to pa gry gn lamellae layered Sar mdst with patchy bleach'd 'GC' locy; + wk cal strgs + wispy beige ser filaments & lamellae + wk qtz ank patches & strgs; +LCt @25TCA
	130.40	136.90	25	ILG Meta-Sediment Rx	md-pa gn	fg	Arenite graywacke + 'green carbonate', Sar gw+'GC' (ILG); md to pa gn, fg gritty Sar gw + mod to strong bleach'd to pa gn + qtz ank strgs & vnlts + patchy fuchsitic ser & strgs wk 'GC' alt'd Sar + dk gn chl healed microfrcts + trc fg d py; + sharp LCt @55TCA
	136.90	144.10	55	ILG Meta-Sediment Rx	md gn	aphan-fg	Arenite mudstone, Sar mdst (ILG); as previously seen at 122.5-129.0m; fg aphanitic, md gn & pa md gry gn alternating lamellae layering @30TCA at 137.1m, & @50TCA at 138.7m, & @30TCA at 140.7m, & @40TCA at 141.3-141.9m, & @50TCA at 142.3m, & @45TCA at 142.6m, &@40TCA at 143.1m, &@30TCA at 144.0m; at 136.9-142.8m +cal strgs & threadlike strgs + qtz ank strgs + dk gn chl healed frcts; at 142.8-144.1m md gry gn Sar + mod to strong buff yellow ser as wispy yellow lamellae filaments & tan yellow ser + cal strgs + strong pervasive interstitial cal + qtz strgs locy; LCt @45TCA
	144.10	144.70	45	ILG Meta-Sediment Rx	md gry gn	fg	Arenite graywacke, Sar gw (ILG); md gry gn, fg gritty Sar gw + strong pervasive interstitial cal + wisps & lamellae filaments of buff yellow to honey yellow ser + cal strgs locy; + wavy irreg LCt @20-0-20TCA
	144.70	145.00	20-0-20	Mafic Intrusive	md gry	aphan-fg	Diabase Dike, Db Dk (Matachewan dike swarm); md gry, fg aphanitic narrow chilled contact varying Uct@20-0-20TCA; +strong pervasive cal +chl & cal healed microfrcts; + sharp LCt @20TCA
	145.00	146.10	20	ILG Meta-Sediment Rx	md olive gn	fg	Arenite graywacke, Sar gw (ILG); as previously seen at 144.1-144.7m as md gry gn, fg, gritty Sar gw + strong pervasive interstitial cal + wispy lamellae layering @45TCA + buff yellow to md yellow beige ser filaments & lamellae + cal strgs + chl cal healed frcts; + LCt @ 15TCA
	146.10	146.50	15	Mafic Intrusive	md gry	aphan-fg	Diabase Dike, Db Dk (Matachewan dike swarm); as previously seen at 144.7-145.0m; md gry, fg aphanitic bleach'd gry wht chilled pencil line contact margin Uct @15TCA + strong pervasive interstitial cal + chl & cal healed microfrcts; + bleach'd pa gry wht chilled pencil line contact at LCt @35TCA
	146.50	147.80	35	ILG Meta-Sediment Rx	md-dk gry gn	fg	Arenite graywacke, Sar gw (ILG); as previously seen above at 145.0-146.1m; md dk gry gn, fg gritty Sar gw + strong pervasive interstitial cal & patchy gry wht cal + strong wispy filaments & lamellae of md dk yellow ser with foliation @30TCA at 146.8M & @40TCA at 147.4m; + discoloured Sar to dk gry gn near the DB dk that follows below; + wavy irreg LCt@15-40TCA
	147.80	168.50	15-40	Mafic Intrusive	md-dk gn	aphan-f-mg	Diabase Dike, Db Dk (Matachewan dike swarm); at 147.8-147.9m irregular to wavy to scalloped UCt @15-40TCA with small intrusive dklets as minor apopheses injected into the Sar gw above; md dk gry gn, very fg to aphanitic near the U & L cts & gradually becoming f to mg, massive homogeneous uniform Db dk, + wkly alt'd with wk cal threadlike wispy strgs, wk chl along frcts, wk patches & minor epidote strgs locy; + fg disseminated 1mm black xll grains of magnetite that exhibits a mod to locy strong magnetic signature with magnetic susceptibility readings on a SM-5 meter varying from 0.3-3.5 c.g.s. (cm gms sec) units;+ locy frct'd from 163.9-168.5m towards the end of the interval, + irreg to wavy to brkn LCt @10-0-10TCA
	168.50	170.50	0-10	ILG Meta-Sediment Rx	md dk gn	m-cse g	Conglomerate, Scgl(ILG); polymictic small pebble Scgl, md to dk gn, fg matrix with occ'l red jasper & gry wht small pebbles & granules locy; + the interval is shattered & brecciated as an 'in situ' shattered FAULT BRECCIA ZONE & is extensively brkn at 168.5-168.8m, + chl cal lined frcts & as healed fillings along microfractures in shattered bx zone; there is no actual fault gouge present and simply only a frct'd shattered bx zone; + UCt wavy irreg brkn @10-0-10TCA & sharp LCt @30TCA
	170.50	173.75	30	Mafic Intrusive	dk gn	fg	Diabase Dike, Db Dk (Matachewan dike swarm); as previously seen above at 147.8-168.5m; dk gn,fg, massive uniform homogeneous Db dk; + locy cut by cal strgs & vnlts & by chl lined frcts; non magnetic with nil magnetite; trc Cpy in cal strg at 170.8m; sharp LCt @15 TCA
	173.75	175.00	15	ILG Meta-Sediment Rx	md-dk gn	m-cse g	Conglomerate, Scgl(ILG); small pebble polymictic Scgl in a locally tectonic shattered breccia zone with mm to 1-2 cm angular breccia clasts & brkn & frct'd pebbles, with still discernible red jasper grit & granules locy; + pervasive interstitial cal & cal threadlike strgs & chl lined frcts; UCt@15TCA & LCt@35TCA
	175.00	177.70	35	ILG Meta-Sediment Rx	md-dk gn	fg	FAULT & FAULT BRECCIA ZONE, FLT-FLT BX ZONE; md dk gn, extensively frct'd & brkn shattered Scgl represents a MAJOR TECTONIC BRECCIA ZONE, a fault to fault breccia zone with Uct & chl slips @35TCA & LCt with chl slips @50TCA at 177.7m; + there are discernible Scgl small pebbles & frct'd clasts plus dk gn chl slips @ 20TCA locy; This strong shattered tectonic FAULT BRECCIA ZONE is bounded within well defined Scgl above & below;
	177.70	212.80	50	ILG Meta-Sediment Rx	md gn	fg-cse g	Conglomerate, Scgl(ILG); md gn, fg gritty to granular matrix from 177.7-205.0m & dk gn matrix from 205.0-212.8m as host a matrix supported small pebble to cobble polymictic Scgl with bright red jasper clasts, buff tan to red pink to orange fg felsic intrusive clasts, & cse qtzo feldspathic porphyritic intrusive clasts, & pa to md gry gn clasts; + alt'n consists of wk to mod bleach'd, cal strgs & threadlike strgs, pervsasive interstitial cal, wisps & patches of beige gry ser, trc fg d py; + sharp LCT @35TCA
	212.80	220.65	35	ILG Meta-Sediment Rx	dk gn	fg	Arenite graywacke, Sar gw (ILG); dk gn, fg, gritty Sar gw; + chl strgs+ cal strgs & threadlike strgs + trc hematite in cal strgs; + wkly magnetic locy with mag susceptibility readings on a SM-5 meter varying from 0.3 to rarely up to 2.2 cgs units; + wk fg d py locy; sharp LCt @ 40TCA

	220.65	241.20	40	ILG Meta-Sediment Rx	md gn	cse g	Conglomerate, Scgl(ILG); md gn, fg gritty to granular matrix as host a matrix supported small pebble to cobble polymictic Scgl with bright red jasper granules pebbles & cobbles & occ'l dk marroon to black jasper pebbles, & pale red & pink fg felsic intrusive & cse qtzo feldspathic porphyritic intrusive pebbles & cobbles, & occ'l pa gry to dk gn pebbles locy; + alt'n consists of wk to mod bleaching to md gn to patchy pa to md tan gn, cal strgs & threadlike strgs, pervsasive interstitial cal, wisps & patches of beige gry ser, trc fg d py; at 239.0-241.2m md to pa tan bleach'd along cal strgs & pervasive sericite locy in matrix & in strg; + sharp to locy wk wavy LCT @30TCA
	241.20	241.80	30	Felsic Intrusive	md pink tan-yellow tan	mg	Feldspar Quartz Porphyry, FQP (ILG); md pinkish tan to yellowish orange tan, fg to mdg, massive FQP dk with pinkish patches & with 1mm & less cream wht qtz phenocrysts in a massive pinkish red groundmass; + dk gn chl healed microfrcts + cal strgs + wisps flecks, filaments & incipient yellow sericite + wk pinkish marroon hematite in cal strgs + bleach'd & silicified; + irreg LCt 35TCA
	241.80	246.35	35	ILG Meta-Sediment Rx	md-dk gn	fg-cse g	Conglomerate, Scgl(ILG); as previously seen at 220.65-241.2m; md to dk gn, fg gritty to granular matrix as host a matrix supported small pebble to cobble polymictic Scgl with bright red jasper granules pebbles & cobbles & occ'l dk marroon to black jasper pebbles, & pale red & pink fg felsic intrusive & cse qtzo feldspathic porphyritic intrusive pebbles & cobbles, & occ'l pa gry to dk gn pebbles locy; + alt'n consists of wk to mod bleaching to md gn to patchy pa to md tan gn, cal strgs & threadlike strgs, pervsasive interstitial cal, wisps & patches of beige gry ser, trc fg d py; locy md to pa tan bleach'd along cal strgs & pervasive sericite locy in matrix & in strgs; + sharp wavy LCT @20TCA
	246.35	246.50	20 wavy	Felsic Intrusive	marroon red-md yellow	mg	Feldspar Quartz Porphyry, FQP (ILG); as previously seen above at 241.2-241.8m; md marroon red to yellowish orange tan, fg to mdg, massive FQP dk with pinkish patches & with 1-3 mm & less gry wht qtz phenocrysts in a massive pinkish red feldspathic groundmass+occ'l accidental included small pebbles; +dk gn chl healed microfrcts+cal strgs+wisps flecks, filaments & incipient yellow sericite+wk pinkish marroon hematite in cal strgs+bleach'd & silicified; + wavy LCt 20TC
	246.50	246.80	20	ILG Meta-Sediment Rx	dk gn	fg-cse g	Conglomerate, Scgl(ILG); as previously seen above at 241.8-246.35m; dk gn, fg gritty to granular matrix as host a matrix supported small pebble to cobble polymictic Scgl with bright red jasper granules pebbles & cobbles up to 10 cm & occ'l dk marroon to black jasper pebbles, & pale red & pink fg felsic intrusive & cse qtzo feldspathic porphyritic intrusive pebbles & cobbles, & occ'l pa gry to dk gn pebbles locy; + alt'n consists of wk to mod bleaching to md gn to patchy pa to md tan gn, cal strgs & threadlike strgs, pervsasive interstitial cal, wisps & patches of beige gry ser, trc fg d py; locy md to pa tan bleach'd along cal strgs & pervasive sericite locy in matrix & in strgs; + sharp wavy LCT @30TCA
	246.80	247.10	30	Felsic Intrusive	marroon red-md yellow	mg	Feldspar Quartz Porphyry, FQP (ILG); as previously seen at 246.5-246.8m; md marroon red to md yellow, fg to mdg, massive FQP dk with pinkish patches & with 1-3 mm & less gry wht qtz phenocrysts in a massive pinkish red feldspathic groundmass+occ'l accidental included small pebbles; +dk gn chl healed microfrcts+cal strgs+wisps flecks, filaments & incipient yellow sericite+wk pinkish marroon hematite in cal strgs+bleach'd & silicified; + wavy irregular LCt 20TCA
	247.10	247.50	30	ILG Meta-Sediment Rx	dk gn	fg-cse g	Conglomerate, Scgl(ILG);as previously seen above at 241.8-246.35m brkn & frctd; dk gn, fg gritty to granular matrix as host a matrix supported small pebble to cobble polymictic Scgl with bright red jasper granules pebbles & cobbles up to 10 cm & occ'l dk marroon to black jasper pebbles, & pale red & pink fg felsic intrusive & cse qtzo feldspathic porphyritic intrusive pebbles & cobbles, & occ'l pa gry to dk gn pebbles locy; + alt'n consists of wk to mod bleaching to md gn to patchy pa to md tan gn, cal strgs & threadlike strgs, pervsasive interstitial cal, wisps & patches of beige gry ser, trc fg d py; locy md to pa tan bleach'd along cal strgs & pervasive sericite locy in matrix & in strgs; + brkn & frct'd LCT @~20TCA
	247.50	251.00	wavy irreg	Felsic Intrusive	marroon -red	mg	Feldspar Quartz Porphyry, FQP (ILG); as previously seen at 246.8-247.1m; md marroon red to md yellow, fg to mdg, massive FQP dk with pinkish patches & with 1-3 mm & less gry wht qtz phenocrysts in a massive pinkish red feldspathic groundmass+occ'l accidental included small pebbles; +dk gn chl healed microfrcts+cal strgs+wisps flecks, filaments & incipient yellow sericite+wk pinkish marroon hematite in cal strgs+bleach'd & silicified to EOH;
	251.00			EOH			
	0.00						
	0.00						
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	0.00						

Hole ID	From	To	Sample #	Length	DESCRIPTION	weighted	weighted	Au ppm	cl x assay	Au FA/GRAV		
	meters	meters		meters		interval 2	interval 1	or gms/tonne	core length			
								or g/t	x assay			
IMGW 19-01	21.10	21.80	IM 00351	0.70	cal gry wht-pa pink 15% strgs vnlts-pervas interst cal in dk gn Sar - trc Cpy locy;			0.005				
	23.00	23.75	352	0.75	cal gry wht-pa pink 3-5% strgs vnlts-pervas interst cal in dk gn Sar pre shear-fault;			<0.005				
	23.75	24.30	353	0.55	strg 25 cm shear zone foli fabric @ 30 TCA at 23.75-24.0m + cal qtz at Uct @ 30 TCA brkn Lct;			<0.005				
	24.30	25.00	354	0.70	frctd brkn bx'd, chl-cal strgs + pervas interst cal, part of Fault Breccia zone;			<0.005				
	30.60	31.10	355	0.50	strgs & patches pa gry wht fg aphanitic qtz in md-dk gn Sar wkly magnetic mgt;			<0.005				
	32.90	33.70	356	0.80	wht-pa pink 10-15% cal strgs vnlets crosscutting+pervas interst, dk gn Sar, trc-1% py-trcCpy;			<0.005				
	33.70	34.50	357	0.80	wht-pa pink 10-15% cal strgs vnlets crosscutting+pervas interst, dk gn Sar, trc-1% py-trcCpy;			0.006				
	39.50	40.00	358	0.50	15 cm bleached pa gn cal-qtz vn & strgs @30TCA in md-dk gn Sar, pre "green carb" zone;			<0.005				
	42.05	42.55	359	0.50	20 cm bleached pa vibrant gn fuchsitic ser-carb-qtz strgs vns@35TCA in alt'd Sar, chl-trc fg d py;			0.049				
	42.55	43.50	360	0.95	10-15% cream wht-pa pink cal vnlets +pervas inters cal in dk gn non mag Sar;			0.011				
	46.20	47.10	361	0.90	5-10% cream wht-pa pink cal vnlets +pervas inters cal in md gn non mag Sar;			0.012				
	47.10	47.50	362	0.40	10%grywht qtz 1mmstrgs,2cm vns+chl lined microfrcts+trc py in "green carb" alt'd Sar@40TCA;			0.081				
	47.50	48.50	363	1.00	pa-md gn bleach'd Sar-wk fuchsitic ser-sil'd1-3% qtz thin strgs-chl lined frcts-trc Cpy-py;			<0.005				
	48.50	49.50	364	1.00	pa-md gn bleach'd Sar-wk fuchsitic ser-sil'd1-3% qtz thin strgs-chl lined frcts-trc Cpy-py;			<0.005				
	49.50	50.25	365	0.75	pa-md gn bleach'd Sar-wk fuchsitic ser-sil'd1-3% qtz thin strgs-chl lined frcts-trc py;			0.005				
	50.25	51.00	366	0.75	pa-md gn bleach'd Sar occ'l pebble-wk fuchsitic ser-sil'd1-3% qtz thin strgs-chl lined frcts-trc py;			0.005				
	51.00	52.00	367	1.00	md gn fg speckled Sar occ'l pebble,qtz-cal strgs,wk fuchsitic ser-sil'd-chl lined frcts-trc py;			<0.005				
	52.00	53.00	368	1.00	3-5% sil qtz cal strgs in md gn Sar occ'l pebble,wk fuchsitic ser-sil'd-chl lined frcts-trc py;			0.005				
	53.00	53.50	369	0.50	10%qtz-cal strgs pa-md gn locy gn speckled sil'd-ser "green carb" alt'd Sar+chl lined frcts-trc py;			<0.005				
	53.50	54.00	370	0.50	pa-md gngreen carb alt'd Sar + qtz-carb strgs			0.005				
CDN-CM-28	STD		371					1.290				
	54.00	54.65	372	0.65	pa-md gngreen carb alt'd Sar + qtz-carb strgs			0.014				
	54.65	55.30	373	0.65	pa-lt gn "green carb" alt'd Sar + 1-3 cm qtz ank carb strgs & vnlets with dk gn chl;			0.026				
	55.30	56.10	374	0.80	pa-lt gn "green carb" alt'd Sar + 1-3 cm qtz ank carb strgs & vnlets with dk gn chl;			0.017				
	56.10	56.35	375	0.25	Qtz Vn massive wht + dk gn thin chl wisps & lamellae @ 45 TCA + trc-1% fg d py, in "GC" Zone;			0.417	*0.1043*			
BLK	BLK		376					<0.005				
	56.35	56.60	377	0.25	Qtz Vn massive wht brecciated+dk gn thin chl strg lamellae+trc-1% fg d py-patchy green carb;			0.029	*0.0073*			
BLK	BLK		378					<0.005				
	56.60	56.85	379	0.25	Qtz Vn massive wht brecciated+dk gn thin chl strg lamellae+trc-1% fg d py-patchy green carb;		0.118/0.75m	0.183	*0.0457*			
	56.85	57.35	380	0.50	md gn fg Sar+pa gn wispy disrupted beds or strgs; trc py;			0.009				
	57.35	57.70	381	0.35	pa-lt gn "GC" alt'd Sar + chl wisps & thin strgs & frct linings in bx'd Sar; trc d py;			0.013				
	57.70	58.05	382	0.35	vibrant"GC"fuchsitic ser thin wisps filaments@35TCA+qtz strgs vnlets 1% fg d py; LCt @ 35 TCA;			0.022				
	58.05	59.00	383	0.95	Scgl cse polymic, blech'd tan+fuchsitic ser locy in matrix,locy red jasper chips, trc fg d py;			0.010				
	59.00	60.00	384	1.00	Scgl cse polymic blech'd tan+patchy"GC"+red jasper chips,marroon qtzo-fsp bldrs,trc fg d py;			<0.005				
	62.00	63.00	385	1.00	Scgl cse polymic local patches buff tan ser alt'd matrix + cut by qtz-ank strgs;			<0.005				
	63.00	64.00	386	1.00	Scgl cse polymic local patches buff tan ser alt'd matrix + cut by qtz-ank strgs;			<0.005				
	64.00	64.70	387	0.70	Scgl cse polymic local patches buff tan ser alt'd matrix + cut by qtz-ank strgs;			<0.005				
	64.70	65.60	388	0.90	pa buff tan-gntan cse pebble Scgl + cut by brecciated qtz-ank vns & frctd strgs locy;			<0.005				

	71.85	72.85	389	1.00	Scgl small pebble qtz-carb strgs +wk "GC" altn locy near lower part of interval;			0.015				
	72.85	73.15	390	0.30	Qtz Vn brecciated + cse patches "GC" +1-3% fg d py;			0.040				
	73.15	73.45	391	0.30	border to QV above + qtz strgs + wk fuchsitic ser "GC" altn + trc-1% fg d py;			0.451	*0.1353*			
	73.45	74.10	392	0.65	md-dk gn Sar + qtz-ank strgs just before Qtz-ank Vn below;			0.014	*0.0091*			
	74.10	74.40	393	0.30	Qtz Vn bx'd+dk gn chl thin wispy strgs+minor pa pink cal patchy strg + trc-1% fg d py;			0.192	*0.0576*			
CDN-CM-43	STD		394					0.261				
	74.40	75.40	395	1.00	md-dk gn pebble Scgl cut by qtz-ank strgs, locy bleached pa-md vibrant gn ser "GC" locy;		0.195/2.25m	0.236	*0.2360*			
	76.00	76.80	396	0.80	pebble Scgl with patchy md-pa yellow ser "GC" along borders of qtz-ank strgs;			0.006				
	76.80	77.60	397	0.80	Scgl wk pebble+mod-strg bleached patches md-pa yellow ser "GC",+ qtz strgs & vnlets;			< 0.005				
	77.60	78.60	398	1.00	Scgl wk pebble+mod-strg bleached md-pa yellow ser "GC",+15cm & 3cm qtz vn/vnlet@80;			0.005				
	79.50	80.25	399	0.75	Scgl wk pebble+mod-strg bleached patches md-pa yellow ser "GC",+ qtz strgs & vnlets locy;			< 0.005				
	80.25	81.00	400	0.75	Scgl wk pebble+mod-strg bleached patches md-pa yellow ser "GC",+ qtz strgs & vnlets locy;			< 0.005				
	81.00	82.00	401	1.00	Scgl wk pebble+mod-strg bleached patches md-pa yellow ser "GC",+ qtz strgs & vnlets locy;			< 0.005				
	82.00	83.00	402	1.00	Scgl wk pebble+mod-strg bleached patches md-pa yellow ser "GC",+ qtz strgs & vnlets locy;			0.029				
	83.00	84.00	403	1.00	Scgl wk pebble+mod-strg bleached patches md-pa yellow ser "GC",+ qtz strgs & vnlets locy;			< 0.005				
	84.00	85.00	404	1.00	Scgl wk pebble+mod-strg bleached patches md-pa yellow ser "GC",+ qtz strgs & vnlets locy;		0.19/1.0m	0.185	*0.1900*			
	88.30	89.20	405	0.90	Sar, qtz arenite, hard siliceous sil'd & cut by qtz strgs, trc d py;			0.005				
	89.20	89.85	406	0.65	Sar, qtz arenite,strgly sil'd hard buff tan siliceous zone cut by cse wht qtz vn strgs, trc-1%fg d py;			0.293	*0.1904*			
	89.85	90.85	407	1.00	Sqtz ar,strg sil'd hard buff tan gry siliceous crisscross network thin qtz strgs, blech'd,1%fg d py;			0.307	*0.3070*			
	90.85	91.60	408	0.75	Sqtz ar,pa gry bleached strg sil'd hard siliceous, numerous 1-2mm thin qtz strgs, trcfg d py;			0.111	*0.0833*			
	91.60	92.30	409	0.70	Sqtz ar,pa gry bleached strg sil'd hard siliceous, numerous 1-2mm thin qtz strgs, trcfg d py;			< 0.005	*0.0035*			
	92.30	93.00	410	0.70	Spebble cgl Uctwavy@ 25-45TCA, wk-mod blech'd buff tan silic'd, cut by qtz strgs, trc fg d py;			0.866	*0.6062*			
	93.00	94.00	411	1.00	Spebble cgl, wk-mod blech'd buff tan silic'd, cut by qtz strgs, trc fg d py;		0.29/5.8m	0.060	*0.0600*			
	94.00	95.00	412	1.00	Spebble cgl, wk-mod blech'd buff tan silic'd, cut by qtz strgs, trc-2% fg d py;		0.415/2.7m	0.455	*0.4550*			
	95.00	96.00	413	1.00	Spebble cgl, wk-mod blech'd buff tan silic'd, cut by qtz strgs, trc-2% fg d py;			0.071	*0.0700*			
	96.00	97.00	414	1.00	Spebble cgl, wk-mod blech'd buff tan silic'd, cut by qtz strgs, trc-2% fg d py;		0.245/7.8m	0.130	*0.1300*			
CDN-CM-28	STD		415					1.600				
	118.40	119.00	416	0.60	Sar, qtz arenite, buff tan with 1-3mm qtz grains & granules in md tan matrix;			0.227	*0.1362*			
	119.00	119.50	417	0.50	Sqtz ar,buff tan with 1-3mm qtz grains & granules in md tan matrix, cal-chl-sil; trc-1% fg d py;			0.271	*0.1355*			
	119.50	120.00	418	0.50	Sqtz ar,buff tan with 1-3mm qtz grains & granules in md tan matrix, cal-chl-sil; 1-3% fg d py;			0.123	*0.0615*			
	120.00	120.50	419	0.50	Sqtz ar,buff tan with 1-3mm qtz grains & granules in md tan matrix, cal-chl-sil; 1-3% fg d py;			0.467	*0.2335*			
	120.50	121.00	420	0.50	Sqtz ar,buff tan with 1-3mm qtz grains & granules in md tan matrix, cal-chl-sil; 1-3% fg d py;			0.814	*0.4070*			
	121.00	121.50	421	0.50	Sqtz ar,buff tan with 1-3mm qtz grains & granules in md tan matrix, cal-chl-sil; 1-3% fg d py;			0.633	*0.3165*			
	121.50	122.00	422	0.50	Sqtz ar,buff tan with 1-3mm qtz grains & granules in md tan matrix, cal-chl-sil; 1-3% fg d py;			0.363	*0.1815*			
	122.00	122.50	423	0.50	Sqtz ar,buff tan with 1-3mm qtz grains & granules in md tan matrix, cal-chl-sil; 1-3% fg d py;			0.116	*0.0580*			
	122.50	123.00	424	0.50	Sqtz ar,buff tan with 1-3mm qtz grains & granules in md tan matrix, cal-chl-sil; 1-3% fg d py;			0.211	*0.1055*			
	123.00	123.50	425	0.50	Sqtz ar,buff tan with 1-3mm qtz grains & granules in md tan matrix, cal-chl-sil; 1-3% fg d py;			0.071	*0.0355*			
	123.50	124.00	426	0.50	Sqtz ar,buff tan with 1-3mm qtz grains & granules in md tan matrix, cal-chl-sil; 1-3% fg d py;			0.367	*0.1835*			
	124.00	124.50	427	0.50	Sqtz ar,buff tan with 1-3mm qtz grains & granules in md tan matrix, cal-chl-sil; 1-3% fg d py;			0.165	*0.0825*			
	124.50	125.00	428	0.50	Sqtz ar,buff tan with 1-3mm qtz grains & granules in md tan matrix, cal-chl-sil; 1-3% fg d py;		0.558/7.1m	0.202	*0.1010*			
	125.00	125.50	429	0.50	Sqtz ar,buff tan with 1-3mm qtz grains & granules in md tan matrix, cal-chl-sil; 1-3% fg d py;		1.148/2.0m	3.860	*1.9300*			

	125.50	126.25	590	0.75	Ap Dk, md gry gn, hard, frctd, fg +1-2mm dk gn porphyrtic Xl specks, pervas cal, barren looking;			0.025				
	126.25	127.00	591	0.75	Ap Dk md grygn fg massive hard fg +1-2mm dk gn porph Xll, pervas cal, barren looking;			0.035				
	127.00	128.00	592	1.00	Ap Dk md grygn fg massive hard fg +1-2mm dk gn porph Xll, pervas cal, barren looking;			0.01				
	128.00	129.00	593	1.00	Ap Dk md grygn fg massive hard fg +1-2mm dk gn porph Xll, barren, pervas cal, +cgl 70cm incl;			0.071				
	129.00	130.00	594	1.00	Ap Dk md grygn fg massive hard fg +1-2mm dk gn porph Xll, pervas cal to 129.5m, barren looking;			0.133	*0.133*			
CDN-CM-43	STD		595					0.331				
	130.00	131.00	596	1.00	Ap Dk pa-md gn buf tan fg massive hard siliceous+1-2mm dk gn porph Xll no cal barren looking;			0.024				
	131.00	132.00	597	1.00	Ap Dk pa-md gn buf tan fg massive hard siliceous+1-2mm dk gn porph Xll no cal barren looking;			0.031				
	132.00	133.00	598	1.00	Ap Dk pa-md gn buf tan fg massive hard siliceous+1-2mm dk gn porph Xll no cal barren looking;			0.009				
	133.00	134.00	599	1.00	Ap Dk pa-md gn buf tan fg massive hard siliceous+1-2mm dk gn porph Xll no cal barren looking;			0.006				
	134.00	135.00	600	1.00	Ap Dk pa-md gn buf tan fg massive hard siliceous+1-2mm dk gn porph Xll no cal barren looking;			0.073				
	135.00	136.00	430	1.00	Aplite dk+fsp por microxlls+pervas pa yel-gn blech'd+gn carb alt'd 1mm xlls,2mm hem qtz eyes;			0.406	*0.4060*			
	136.00	136.70	431	0.70	Aplite dk+fsp por microxlls+pa yel-gn blech'd+gn carb alt'd 1mm xlls-2mm hemqtz eyes,trc py;			0.174	*0.1218*			
	136.70	137.50	432	0.80	Scgl, qtz strg stockwork in tan blech'd cgl, 1-5% fg d py;			1.580	*1.2640*			
	137.50	138.00	433	0.50	Scgl, qtz strg stockwork in tan blech'd cgl, 1-5% fg d py + trc Cpy;		1.895/1.3m	2.400	*1.2000*			
	138.00	138.50	434	0.50	Scgl, qtz strg stockwork in tan blech'd cgl, 1-5% fg d py + trc Cpy;			0.410	*0.2050*			
	138.50	139.00	435	0.50	Scgl, qtz strg stockwork in tan blech'd cgl, 1-5% fg d py + trc Cpy;		0.841/4.0m	0.331	*0.1655*			
CDN-CM-28	STD		436					1.450				
	139.00	139.50	437	0.50	Scgl, buff tan wk sil'd, chl strgs+ wk qtz strgs+ red jasper pebbles; trc py;			0.023	0.0115			
	139.50	140.00	438	0.50	Scgl, alt'd pa pink-reddened cgl + qtz strgs + chl + 1-3% fg d py;			0.061	0.0310			
	140.00	140.50	439	0.50	Scgl, alt'd pa pink-reddened cgl + qtz strgs + chl + 1-3% fg d py;			0.135	0.0680			
	140.50	141.00	440	0.50	Scgl, alt'd pa pink-reddened cgl + qtz strgs + chl + 1-3% fg d py;			0.027	0.0140			
	141.00	141.50	441	0.50	Scgl, alt'd pa pink-reddened cgl + qtz strgs + chl + 1-3% fg d py;			0.092	0.0460			
	141.50	142.00	442	0.50	Scgl, alt'd pa pink-reddened cgl + qtz strgs + chl + 1-3% fg d py;			0.251	*0.1255*			
	142.00	142.50	443	0.50	Scgl, alt'd pa pink-reddened cgl + qtz strgs + chl + 1-3% fg d py;			5.400	*2.7000*			
	142.50	142.90	444	0.40	Scgl, alt'd pa pink-reddened cgl + qtz strgs + chl + 1-3% fg d py;			5.870	*2.3480*			
BLK	BLK		445					0.016				
	142.90	143.50	446	0.60	Scgl,pa tan blech'd+qtz strg network+10cm QV@45TCA+occ'l red jasper granules+1-3% fg d py;		4.765/1.5m	3.500	*2.1000*			
	143.50	144.00	447	0.50	Scgl, alt'd pa pink-reddened cgl + qtz strgs + chl +hem locy + 1-3% fg d py;		2.950/2.5m	0.202	*0.1010*			
	144.00	145.00	448	1.00	Scgl, alt'd pa pink-reddened cgl + qtz strgs + chl +hem locy + 1-3% fg d py;			0.063	0.0630			
	145.00	146.00	449	1.00	Scgl, alt'd pa pink-reddened cgl + qtz strgs + chl +hem locy + 1-3% fg d py;			0.045	0.0450			
	146.00	147.00	450	1.00	Scgl, alt'd pa pink-reddened cgl + qtz strgs + chl +hem locy + 1-3% fg d py;			0.035	0.0350			
	147.00	148.00	451	1.00	Scgl polymic pebble cobble+brn gn matrix less alt'd pa pink cgl +trc-1% fg d py;			0.032	0.0320			
	153.70	154.20	452	0.50	Scgl polymic pebble cobble+brn gn matrix less alt'd pa pink cgl +cse patch py trc-1% fg d py;			0.034	0.0170			
	154.20	155.00	453	0.80	Scgl polymic pebble cobble+brn gn matrix + qtz strgs + trc-2% fg d py;			0.045	0.0360			
	155.00	156.00	454	1.00	Scgl, wkly blech'd alt'd pa pink + qtz strgs + tr-3% fg d py;			0.086	0.0860			
	156.00	157.00	455	1.00	Scgl polymic pebble cobble+md brn-dk gn matrix + trc-3% fg d py;			0.069	0.0690			
	157.00	157.60	456	0.60	Scgl polymic pebble cobble+md brn-dk gn matrix + trc-3% fg d py;			0.045	0.0270			
	175.00	176.00	457	1.00	Scgl, locy wkly blech'd alt'd pa pink to md gn matrix + qtz-cal strgs + tr-2% fg d py;			0.56	*0.5600*			
CDN-CM-43	STD		458					0.324				
	176.00	177.00	459	1.00	Scgl polymictic, locy blech'd alt'd pa-md gn to buff tan matrix + qtz-cal strgs + tr-2% fg d py;			0.292	*0.2920*			

	177.00	178.00	460	1.00	Scgl, locy mod-strg blech'd alt'd pa-md gn to buff tan matrix + qtz-cal strgs + tr-2% fg d py;			0.075	*0.0750*			
	178.00	179.00	461	1.00	Scgl, locy mod-strg blech'd alt'd pa-md gn to buff tan matrix + qtz-cal strgs + tr-2% fg d py;			0.209	*0.2090*			
	179.00	179.70	462	0.70	Scgl polymictic, md-dk gn matrix+local sil'd+qtz strgs+wk cal+ tr-2% fg d py;			0.315	*0.2205*			
	179.70	180.40	463	0.70	Scgl polymictic, md-dk gn matrix+local sil'd+qtz strgs+wk cal+ tr-2% fg d py;			0.776	*0.5432*			
	180.40	181.00	464	0.60	Scgl remnant peb+strg blech'd buff tan-pa gn+qtz strgs+chl healed microfrcts+ser+tr-3% fg d py;		0.502/2.0m	0.399	*0.2394*			
	181.00	181.50	465	0.50	as above sample+bx'd QV strgs with dk gn chl healed microfrcts + trc-3% fg d py;			0.153	*0.0765*			
	181.50	182.00	466	0.50	as above sample+bx'd QV strgs with dk gn chl healed microfrcts + trc-3% fg d py;		0.349/4.0m	0.216	*0.1080*			
	182.00	182.50	467	0.50	as above sample+bx'd QV strgs with dk gn chl healed microfrcts + trc-3% fg d py;			0.119	*0.0595*			
	182.50	183.00	468	0.50	as above sample+bx'd QV strgs with dk gn chl healed microfrcts + trc-3% fg d py;			0.021	*0.0105*			
BLK	BLK		469					0.005				
	183.00	183.50	470	0.50	as above sample+bx'd QV strgs with dk gn chl healed microfrcts + trc-3% fg d py;			0.047	*0.0235*			
	183.50	184.00	471	0.50	as above sample+bx'd QV & strgs@35-40TCA with dk gn chl healed microfrcts + trc-3% fg d py;		0.288/9.0m	0.351	*0.1755*			
	184.00	185.00	472	1.00	Scgl remnant peb+mod blech'd buff tan-pa pink+qtz strgs+chl healed microfrcts+ser+tr-3%fgd py;			0.052				
	185.00	186.00	473	1.00	Scgl remnant peb+mod blech'd buff tan-pa pink+qtz strgs+chl healed microfrcts+ser+tr-3%fgd py;			0.008				
	186.00	187.00	474	1.00	as previous + buff tan-pa pink blech'd+sild+qtz strgs+chl lined frcts+wk cal strgs+tr-3% fg d py;			0.045				
	187.00	188.00	475	1.00	as previous + buff tan-pa pink blech'd+sild+qtz strgs+chl lined frcts+wk cal strgs+tr-3% fg d py;			0.052				
	188.00	189.00	476	1.00	as previous + buff tan-pa pink blech'd+sild+qtz strgs+chl lined frcts+wk cal strgs+tr-3% fg d py;			0.075				
	189.00	190.00	477	1.00	as above+buff tan-pa pink blech'd+sil'd+strg qtz strgs+bx'd qtz vnlets+chl frcts+tr-3% fg d py;			0.043				
	190.00	191.00	478	1.00	as above+buff tan-pa pink blech'd+sil'd+strg qtz strgs+bx'd qtz vnlets+chl frcts+tr-3% fg d py;			0.039				
CDN-CM-28	STD		479					1.31				
	191.00	192.00	480	1.00	as above+buff tan-pa pink blech'd+sil'd+strg qtz strgs+bx'd qtz vnlets+chl frcts+tr-3% fg d py;			0.112	*0.1120*			
	192.00	193.00	481	1.00	Scgl polymictic, md tan-tan gn matrix+frctd with dk gn chl healed frcts trc-3% fg d py;			0.107	*0.1070*			
	193.00	194.00	482	1.00	Scgl polymictic,md tan-gn matrix+0.5-3cm qtz vnlets & strgs +chl+chl healed frcts+trc-3%fgd py;			0.374	*0.3740*			
	194.00	195.00	483	1.00	Scgl polymictic,md buff tan matrix+qtz strgs+chl strgs+wk chl healed frcts + trc-3%fg d py;		0.191/4.0m	0.169	*0.1690*			
	195.00	195.75	611	0.75	Scgl polymic,pa pink-md buff tan-marroon matrix+chl-qtz-ank strgs+wk chl frcts+ trc fg d py;			0.042	*0.0315*			
	195.75	196.50	612	0.75	Scgl polymic,pa pink-md buff tan-marroon matrix+chl-qtz-ank strgs+wk chl frcts+ trc fg d py;			0.047	*0.0024*			
	196.50	197.30	613	0.80	Scgl polymic,pa pink-md buff tan-marroon matrix+chl-qtz-ank strgs+wk chl frcts+ trc fg d py;			0.086	*0.0688*			
	197.30	197.85	484	0.55	Scgl polymictic,md buff tan matrix mod blech'd,sil'd+qtz strgs+chl strgs+trc-3%fg d py;			0.368	*0.2024*			
	197.85	198.70	485	0.85	Scgl polymictic,md buff tan-pink matrix,+qtz strgs & vnlets & chl borders + trc-3%fg d py;			0.537	*0.4565*			
	198.70	199.40	486	0.70	Scgl polymictic,md buff tan-pink matrix,+qtz strgs & vnlets & chl borders + trc-3% fg d py;		0.532/2.1m	0.654	*0.4578*			
	199.40	200.00	614	0.60	Scgl polymictic,md buff tan-pink-brick red matrix,+qtz strgs & vnlets & chl borders+trcfg d py;			0.23	*0.1380*			
	200.00	200.50	615	0.50	Scgl polymictic,md buff tan-pa pink matrix,+qtz strgs & vnlets & chl borders+trcfg d py;			0.106	*0.0530*			
	200.50	201.00	616	0.50	Scgl polymictic,md buff tan-pa pink matrix,+qtz strgs & vnlets & chl borders+trcfg d py;			0.145	*0.0725*			
	201.00	201.50	617	0.50	Scgl polymictic,md buff tan-pa pink matrix,+qtz strgs & vnlets & chl borders+trcfg d py;			0.262	*0.1310*			
	201.50	202.00	618	0.50	Scgl polymictic,md buff tan-pa pink matrix,+qtz strgs & vnlets & chl borders+trcfg d py;			0.475	*0.2375*			
	202.00	202.50	619	0.50	Scgl polymictic,md buff tan-pa pink matrix,+qtz strgs & vnlets & chl borders+trcfg d py;			0.245	*0.1225*			
	202.50	203.00	620	0.50	Scgl polymictic,md buff tan-pa pink matrix,+qtz strgs & vnlets & chl borders+trcfg d py;		0.241/3.6	0.227	*0.1135*			
BLK	BLK		621					0.013				
	203.00	203.50	622	0.50	Scgl polymictic,md buff tan-pa pink matrix,+qtz strgs & vnlets & chl borders+trcfg d py;			< 0.005	*0.0025*			
	203.50	204.00	623	0.50	Scgl polymictic,md buff tan-pa pink matrix,+qtz strgs & vnlets & chl borders+trcfg d py;			0.015	*0.0075*			
	204.00	204.75	487	0.75	Scgl polymictic,md brick red hem dusting+qtz dk gn chl 0.5-1.0cm strgs+trc-2% fg d py;			0.414	*0.3105*			

	204.75	205.50	488	0.75	Scgl polymictic,md brick red (hem)+1-3cm qtz vnlets 6cm vn+splashes Cpy+1-3% fg d py;			0.469	*0.3518*			
	205.50	206.25	489	0.75	Scgl polymictic,md brick red (hem)+qtz strgs + trc-2% fg d py;			0.273	*0.2048*			
	206.25	207.00	490	0.75	Scgl polymictic,md brick red (hem)+qtz strgs + trc-2% fg d py;		0.604/3.0m	1.26	*0.9450*			
	207.00	207.80	624	0.80	Aplite Dike, pa gn-tan -pa pink fg bleached massive Ap dk 1mm dk gn porph Xll-qtz+hem;			0.065	*0.0520*			
	207.80	208.70	625	0.90	Aplite Dike, pa gn-tan -pa pink fg bleached massive Ap dk 1mm dk gn porph Xll-qtz+hem;			0.244	*0.2196*			
	208.70	209.55	626	0.85	Aplite Dike, pa gn-tan -pa pink fg bleached massive Ap dk 1mm dk gn porph Xll-qtz+hem;			0.141	*0.1199*			
	209.55	210.05	491	0.50	Scgl polymictic blech'd pa gn-pink + qtz strgs & 6cm vn @75TCA + trc-3% fg d py;			0.203	*0.1015*			
CDN-CM-43	STD		627					0.357				
	210.05	210.50	628	0.45	Scgl polymictic bleach'd pa gn-pink-pinkish marroon+chl-qtz-carb strgs trc fg d py;			0.245	*0.1103*			
	210.50	211.00	629	0.50	Scgl polymictic bleach'd pa gn-pink-pinkish marroon+chl-qtz-carb strgs trc fg d py;			0.402	*0.2010*			
	211.00	211.50	630	0.50	Scgl polymictic bleach'd pa gn-pink-pinkish marroon+chl-qtz-carb strgs trc fg d py;			0.213	*0.1065*			
	211.50	212.00	631	0.50	Scgl polymictic bleach'd pa gn-pink-pinkish marroon+chl-qtz-carb strgs trc fg d py;			0.013	*0.0065*			
	212.00	212.50	632	0.50	Scgl polymictic bleach'd pa gn-pink-pinkish marroon+chl-qtz-carb strgs trc fg d py;			0.077	*0.0385*			
	212.50	213.00	633	0.50	Scgl polymictic bleach'd pa gn-pink-pinkish marroon+chl-qtz-carb strgs trc fg d py;			1.07	*0.5350*			
	213.00	213.50	634	0.50	Scgl polymictic bleach'd pa gn-pink-pinkish marroon+chl-qtz-carb strgs trc fg d py;			0.672	*0.3360*			
	213.50	214.00	635	0.50	Scgl polymictic bleach'd pa gn-pink-pinkish marroon+chl-qtz-carb strgs trc fg d py;			0.987	*0.4935*			
	214.00	214.65	636	0.65	Scgl polymictic bleach'd pa gn-pink-pinkish marroon+chl-qtz-carb strgs trc fg d py;		0.991/2.15m	1.18	*0.7670*			
	214.65	215.40	637	0.75	Aplite Dike, pa-md gn fg massive Ap dk 1-2mm dk gn Xlls porph Ap Dk;			0.068	*0.0510*			
	215.40	215.80	638	0.40	Scgl polymictic bleach'd pa gn-pink-pinkish marroon+chl-qtz-carb strgs trc fg d py;			1.57	*0.6280*			
	215.80	216.30	492	0.50	Qtz Vn 40cms+chl+blech'd tan cgl incls+brick+red at U&L Vn Cts@45/55TCA + trc-2% fg d py;		1.15/0.9m	0.821	*0.4105*			
BLK	BLK		639					< 0.005				
	216.30	216.80	640	0.50	Scgl polymictic bleach'd pa gn-pink-pinkish marroon+chl-qtz-carb strgs trc fg d py;			0.175	*0.0875*			
	216.80	217.40	641	0.60	Scgl polymictic bleach'd pa gn-pink-pinkish marroon+chl-qtz-carb strgs trc fg d py;			0.627	*0.3762*			
	217.40	218.00	642	0.60	Scgl polymictic bleach'd pa gn-pink-pinkish marroon+chl-qtz-carb strgs trc fg d py;			0.299	*0.1794*			
	218.00	218.50	643	0.50	Scgl polymictic bleach'd pa gn-pink-pinkish marroon+chl-qtz-carb strgs trc fg d py;			0.556	*0.2780*			
	218.50	219.00	644	0.50	Scgl polymictic bleach'd pa gn-pink-pinkish marroon+chl-qtz-carb strgs trc fg d py;		0.471/2.2m	0.4	*0.2000*			
	219.00	219.70	493	0.70	Scgl polymictic,md brick red(hem)+1.0 cm qtz strgs with chl borders & along frcts+trc-2%fg d py;			0.622	*0.4354*			
	219.70	220.40	494	0.70	Scgl polymictic md brick red hem+several 1-2 cm qtz strgs+QV 6 cm+chl tourm?+trc-2% fg d py;	0.368/29.4m	3.296/1.4m	5.97	*4.1790*			
	220.40	221.40	601	1.00	Scgl polymictic +red jasper pebbles, alt'd md pink-brick red hem + chl-carb-qtz strgs+trc fg d py;			0.038	*0.0380*			
	221.40	222.40	602	1.00	Scgl polymictic +red jasper pebbles, alt'd md pink-brick red hem + chl-carb-qtz strgs+trc fg d py;			0.011	*0.0110*			
	222.40	223.40	603	1.00	Scgl polymictic +red jasper pebbles, alt'd md pink-brick red hem + chl-carb-qtz strgs+trc fg d py;			0.06	*0.0600*			
	223.40	224.40	604	1.00	Scgl polymic+dk gn grit martrix, dk gn mod alt'd chl+wk md pink hem+chl-carb-sil strgs,trc d py;			0.019	*0.0190*			
	224.40	225.40	605	1.00	Scgl polymic+dk gn grit martrix, dk gn mod alt'd chl+wk md pink hem+chl-carb-sil strgs,trc d py;			0.027	*0.0270*			
CDN-CM-28	STD		606					1.24				
	225.40	226.40	607	1.00	Scgl polymic+dk gn grit martrix, dk gn mod alt'd chl+wk md pink hem+chl-carb-sil strgs,trc d py;			0.019	*0.0190*			
	226.40	227.40	608	1.00	Scgl polymic+dk gn grit martrix, dk gn mod alt'd chl+wk md pink hem+chl-carb-sil strgs,trc d py;			0.08	*0.0800*			
	227.40	228.40	609	1.00	Scgl polymic+dk gn grit martrix, dk gn mod alt'd chl+wk md pink hem+chl-carb-sil strgs,trc d py;			0.265	*0.2650*			
	228.40	229.35	610	0.95	Scgl polymic+dk gn grit martrix, dk gn mod alt'd chl+wk md pink hem+chl-carb-sil strgs,trc d py;		0.208/1.95	0.149	*0.1416*			
IMGW 19-02	11.10	12.10	IM 00495	1.00	Sar gw sst md gn +cal-qtz strgs + wk bleachd pa tan cal pervas & strgs;			< 0.005				
	12.10	12.80	496	0.70	Sar altd fuchsitic gn carb ser-carb-sil trc py locy cut by narrow aplite altered diklets			0.026				
	12.80	13.80	497	1.00	Sar 'GC' + sil'd & strgs+ limonitic gossaneous frct & oxidized from surface water, trc-1% fg d py;			0.076				

	13.80	14.80	498	1.00	Sar 'GC' + sil qtz strgswk+trc fg d py;			0.049				
	14.80	15.60	499	0.80	Sar 'GC' alt'd fuchsitic ser-sil'd qtz carb strgs-chl healed frcts-trc-3% fg d py		0.23/0.80m	0.233				
	15.60	16.40	500	0.80	Sar 'GC' alt'd fuchsitic ser-sil'd qtz carb strgs-chl healed frcts-trc % fg d py			0.084				
	16.40	17.40	501	1.00	Sar, md gn, qtz strgs + wk cream white cal white speckled flecks			0.005				
	17.40	18.00	502	0.60	Sar 'GC' as previous + qtz-carb-ankerite strgs & vnlets, fuchsitic ser - trace fg d py;			0.005				
	18.00	19.00	503	1.00	Sar, md gn, qtz strgs + wk cream white cal white speckled flecks as at 16.4-17.4m;			0.008				
	19.00	20.00	504	1.00	Sar 'GC' alt'd fuchsitic ser-sil'd qtz carb strgs-trc-1% fg d py			0.008				
	20.00	20.50	505	0.50	Sar 'GC' strg alt'd fuchsitic ser-sil'd qtz carb strgs+15cm QV with dk gn chl wisps+trc-3% fg d py		0.18/0.50m	0.177				
BLK	BLK		506					< 0.005				
	20.50	21.00	507	0.50	Sar 'GC' strg alt'd fuchsitic ser-sil'd qtz carb strgs vnlets with dk gn chl wisps+trc-2% fg d py			0.026				
	21.00	21.90	508	0.90	Sar 'GC' strg alt'd fuchsitic ser-sil'd qtz carb strgs vnlets with dk gn chl wisps+trc-2% fg d py		0.13/0.90m	0.129				
	21.90	22.90	509	1.00	Sar md gn wk alt'd qtz-carb strg vnlets, patchy local 'GC', trc py			0.051				
	22.90	23.75	510	0.85	Aplite dk 22.9-23.0, Sar 'GC' trc py chl, Ap dk 23.15-23.75buff tan to dk gry			0.031				
	23.75	24.75	511	1.00	Ap dk as previous, alt'd buff tan to pa gry gn			0.006				
	24.75	25.45	512	0.70	Ap dk,fg aphan buff tan-pa gry ground mass+<1mm md gn chl/amphibole xlls micro porphyritic;			0.006				
	25.45	25.95	513	0.50	Ap dk as above cut by qtz-ank strgs + chl healed microfrcts, trc py			0.009				
	25.95	26.55	514	0.60	Scgl alt'd pa buff tan-yellow beige, strg frctd with dk gn chl lined healed microfrcts, trc-1% fg d py			0.035				
	57.00	57.70	515	0.70	Sar gw sst with QV 30 cm with wk carb, + trc py along QV contacts			0.026				
CDN-CM-28	STD		516					1.420				
	59.40	60.40	517	1.00	QV & strgs +dk gn chl lined frcts in bx'd QV + bx'd Sar gw sst + trc d py			0.025				
	61.85	62.85	518	1.00	Scgl polymictic, locy bleached sil-wk cal strgs & threadlike strgs + trc -1% fg d py + Cpy			0.049				
	83.00	83.70	519	0.70	Scgl pebble +qtz-cal strgs + wisps filaments ser, trc-1% fg d py.			0.568	*0.3976*			
	83.70	84.50	520	0.80	Scgl pebble +qtz-cal strgs + wisps filaments ser, trc-1% fg d py.			0.582	*0.4656*			
	84.50	85.10	521	0.60	Sar pervas interstitial cal + ser filaments @30 TCA, chl lined frcts, qtz-ank strgs trc-2% fg d py		0.458/2.1m	0.165	*0.0990*			
	85.10	86.00	522	0.90	Sar pervas interstitial cal + ser filaments @30 TCA, chl lined frcts, qtz-ank strgs trc-2% fg d py			0.030				
	86.00	86.60	523	0.60	Sar qtz sst pa gry pervas cal+ser filaments @30 TCA, chl lined frcts, qtz-ank strgs trc-2% fg d py			0.031				
BLK	BLK		524					< 0.005				
	86.60	87.35	525	0.75	Sar qtz sst +1-3mm cloudy white round qtz grains,sil matrix, chl strgs 1-3% very fg d py			0.028				
	87.35	88.00	526	0.65	Sar md gry gn fg granular with strg pervasive interstitial cal throughout interval		0.21/0.65m	0.205				
	88.00	88.70	527	0.70	Sar md gry gn fg granular with strg pervasive interstitial cal throughout interval			0.009				
	88.70	89.70	528	1.00	Sar pa gry qtz gritty sst+1-3mm cloudy gry qtz grains,sil matrix,ser,2-4mm jasper grit 1-3% fg py			0.017				
	89.70	90.70	529	1.00	Sar pa gry qtz gritty sst+1-3mm cloudy gry qtz grains,sil matrix,ser,2-4mm jasper grit 1-3% fg py			0.006				
	90.70	91.70	530	1.00	Sar pa gry qtz gritty sst+1-3mm cloudy gry qtz grains,sil matrix,ser,2-4mm jasper grit 1-3% fg py			0.014				
	91.70	91.95	531	0.25	FAULT ZONE 5cm chl cal dissem in flt gg @35 TCA in md-dk gn Sar gw dirty sst			0.015				
	115.10	116.00	532	0.90	Scgl, reddened to pinkish dicoloured alt'd, wk hem, cut locy by qtz ank strg & vnlets, trc d py			0.007				
	116.00	116.80	533	0.80	Scgl, reddened to pinkish dicoloured alt'd, wk hem, cut locy by qtz ank strg & vnlets, trc d py			0.011				
	116.80	117.55	534	0.75	Scgl, reddened to pinkish dicoloured alt'd, wk hem, cut locy by qtz ank strg & vnlets, trc d py			0.021				
	117.55	117.80	535	0.25	Ap dk, rusty gossan 117.55-117.65m then pa gn groundmass+1-2mm dk gn gran xlls wk fg d py			0.018				
	117.80	118.05	536	0.25	QV 10 cm +wispy chl-ser & fg d pyshear flt cts @50TCA 1cm chl ser flt gg @50TCA+1-3% fgd py		1.30/0.25m	1.300				
	118.05	118.80	537	0.75	Ap dk, pa tan groundmass+1mm dk gn gran xlls porphyritic texture, fg plag fsp xllites wk trc d py			0.008				
CDN-CM-43	STD		538					0.341				

	118.80	119.35	539	0.55	Ap dk, pa tan groundmass+1mm dk gn gran xlls porphyritic texture, fg plag fsp xllites wk trc d py			0.027				
	119.35	119.65	540	0.30	Apdk119.35-119.45 trpy,119.45-119.55QV35TCA cts chl wisps trpy,119.55-119.65cgl altpink qank		4.60/0.30m	4.640	*1.3920*			
BLK	BLK		541					0.005				
	119.65	120.60	542	0.95	Scgl,md gn-buff tan pink patches, cut by qtz ank strgs, tr-1% fg d py			0.096	*0.0912*			
	120.60	121.60	543	1.00	Scgl, buff tan pink alt'd bleached cgl + wk patches of wk gn cgl,cut by qtz ank strgs, tr-1% fg d py			0.261	*0.2610*			
	121.60	122.30	544	0.70	Scgl, buff tan pink alt'd bleached cgl + wk patches of wk gn cgl,cut by qtz ank strgs, tr-1% fg d py			0.101	*0.7070*			
	122.30	123.00	545	0.70	Scgl,md gn with local md marroon to buff tan pink patches, cut by qtz ank strgs, tr-1% fg d py			0.030	*0.0210*			
	123.00	124.00	546	1.00	Scgl,md gn with local md marroon to buff tan pink patches, cut by qtz ank strgs, tr-1% fg d py		0.424/4.65m	0.134	*0.1340*			
	124.00	125.00	547	1.00	Scgl,md gn with local md marroon to buff tan pink patches, cut by qtz ank strgs, tr-1% fg d py			0.017				
	125.00	126.00	548	1.00	Scgl,md gn with local md marroon to buff tan pink patches, cut by qtz ank strgs, tr-1% fg d py			0.022				
	126.00	127.00	549	1.00	Scgl,bleach'd bufftan pink hem & tan ser alt'd, jasper clasts,sil'd hard,qtz ank strgs,tr-2% fg d py			0.050				
	127.00	128.00	550	1.00	Scgl,bleach'd bufftan pink hem & tan ser alt'd, jasper clasts,sil'd hard,qtz ank strgs,tr-2% fg d py			0.029				
	128.00	129.00	551	1.00	Scgl,bleach'd bufftan pink hem & tan ser alt'd, jasper clasts,sil'd hard,qtz ank strgs,tr-2% fg d py		0.28/1.0m	0.276				
	129.00	130.00	552	1.00	Scgl,bleach'd bufftan pink hem & tan ser alt'd, jasper clasts,sil'd hard,qtz ank strgs,tr-2% fg d py			0.076				
	130.00	131.00	553	1.00	Scgl,bleach'd bufftan pink hem & tan ser alt'd, jasper clasts,sil'd hard,qtz ank strgs,tr-2% fg d py			0.080				
	131.00	132.00	554	1.00	Scgl,bleach'd bufftan pink hem & tan ser alt'd, jasper clasts,sil'd hard,qtz ank strgs,tr-2% fg d py			0.011				
	132.00	133.00	555	1.00	Scgl,bleach'd bufftan pink hem & tan ser alt'd, jasper clasts,sil'd hard,qtz ank strgs,tr-2% fg d py		0.59/1.0m	0.588				
	133.00	134.00	556	1.00	Scgl,bleach'd bufftan pink hem & tan ser alt'd, jasper clasts,sil'd hard,qtz ank strgs,tr-2% fg d py			0.009				
	134.00	135.00	557	1.00	Scgl,bleach'd bufftan pink hem & tan ser alt'd, jasper clasts,sil'd hard,qtz ank strgs,tr-2% fg d py			0.009				
	135.00	136.00	558	1.00	Scgl,bleach'd bufftan pink hem & tan ser alt'd, jasper clasts,sil'd hard,qtz ank strgs,tr-2% fg d py			< 0.005				
	136.00	137.00	559	1.00	Scgl,bleach'd bufftan pink hem & tan ser alt'd, jasper clasts,sil'd hard,qtz ank strgs,tr-2% fg d py			0.005				
CDN-CM-28	STD		560					1.420				
	137.00	138.00	561	1.00	Scgl,bleach'd bufftan pink hem & tan ser alt'd, jasper clasts,sil'd hard,qtz ank strgs,tr-2% fg d py			0.011				
	138.00	139.00	562	1.00	Scgl,bleach'd bufftan pink hem & tan ser alt'd, jasper clasts,sil'd hard,qtz ank strgs,tr-2% fg d py			< 0.005				
	139.00	140.00	563	1.00	Scgl,bleach'd bufftan pink hem & tan ser alt'd, jasper clasts,sil'd hard,qtz ank strgs,tr-2% fg d py			< 0.005				
	140.00	141.00	564	1.00	Scgl, pa-md gn matrix + qtz ank strgs + tr-1% fg d py			0.007				
	141.00	142.00	565	1.00	Scgl, pa beige lt tan - alt'd bleached pa pink+ qtz ank strgs + tr-1% fg d py			0.007				
	142.00	142.50	566	0.50	Scgl, pa beige lt tan - alt'd bleached pa pink+ 0.5-1.0 cm qtz ank strgs + 1-2% fg d py			0.013				
	142.50	142.80	567	0.30	Scgl, pa beige lt tan - alt'd bleached pa pink+ 0.5-1.0 cm qtz ank strgs + 1-2% fg d py			0.787	*0.2361*			
BLK	BLK		568					< 0.005				
	142.80	143.15	569	0.35	QV 142.8-143.1m@25 TCA with wisps chl-ser+3-5% fg d py;+Scgl wall alt'd bleached pa gn-pink			0.752	*0.2632*			
BLK	BLK		570					< 0.005				
	143.15	143.75	571	0.60	Scgl polymictic+red jasper cobbles,reddened-pa pink-beige tan alt'd,qtz ank strgs,+1-2% fg d py			0.079	*0.0474*			
	143.75	144.60	572	0.85	Scgl polymictic+red jasper cobbles,reddened-pa pink-beige tan alt'd,qtz ank strgs,+1-2% fg d py		0.29/2.1m	0.074	*0.0629*			
	144.60	145.50	573	0.90	Scgl wk pa pink patches + Sar gw matrix to pebble cgl, qtz ank strgs,+tr fg d py			0.009				
	148.50	149.35	574	0.85	Scgl wk pa pink patches + Sar gw matrix to pebble cgl, qtz ank strgs,+tr fg d py			0.016				
	150.00	150.85	575	0.85	Scgl md gn matrix patchy sections of wk bleaching, qtz ank strgs, tr fg d py			0.005				
	152.60	153.10	576	0.50	Scgl md gn matrix patchy sections of wk bleaching, qtz ank strgs, tr fg d py			0.011				
	155.60	156.20	577	0.60	Scgl polymictic red jasper pebbles bleach'd locy pa pink with pa gn matrix, qtz ank strgs tr py,			0.040				
	190.30	191.00	578	0.70	Scgl md gn matrix small pebble polymictic,red jasper pebbles,qtz ank strgs,hem,tr-2% fg d py			0.042				
	191.00	191.75	579	0.75	Scgl md gn matrix small pebble polymictic,red jasper pebbles,qtz ank strgs,hem,tr-2% fg d py			0.009				

	197.45	198.20	580	0.75	Scgl alt'd pa-mdgn-buff tan-pa pink,red jasper alt'd cal replacmnt,qtzank strgs@40,1-2% fg d py			0.005				
	198.20	199.15	581	0.95	Scgl alt'd pa-mdgn-buff tan-pa pink,red jasper alt'd cal replacmnt,qtzank strgs@40,1-2% fg d py			0.006				
	199.15	200.15	582	1.00	Scgl alt'd pa-mdgn-buff tan-pa pink,red jasper alt'd cal replacmnt,qtzank strgs@40,1-2% fg d py			< 0.005				
CDN-CM-43	STD		583					0.326				
	206.60	207.20	584	0.60	Scgl,mdgn matrix,cse red jasper pebscobls+yellowgn ser-chl,qtzank strgs@35TCA+1-3% fg d py			0.091				
	213.00	214.00	585	1.00	Scgl, md-dk gn matrix, +cse red jasper pebscobls, +tr fg d py			0.029				
	214.00	215.00	586	1.00	Scgl,md redbrn matrix,red jasper,Qfspfelsicintrus pebscobls,ser,chl-qtz-calstrgs,hornfels,trfg py			0.016				
	215.00	216.00	587	1.00	Scgl,md redbrn matrix,red jasper,Qfspfelsicintrus pebscobls,ser,chl-qtz-calstrgs,hornfels,trfg py			0.043				
	216.00	216.75	588	0.75	Scgl,md redbrn matrix,red jasper,Qfspfelsicintrus pebscobls,ser,chl-qtz-calstrgs,hornfels,trfg py		0.26/0.75m	0.263				
	216.75	217.30	589	0.55	Scgl,md redbrn matrix,red jasper,Qfspfelsicintrus pebscobls,ser,chl-qtz-calstrgs,hornfels,trfg py			0.055				
IMGW 19-03	21.10	21.60	645	0.50	gry wht to buff tan cal vn strg zone @25-50TCA + vn bx locy + trc d py + Sar incls			0.006				
	26.00	26.90	646	0.90	Sar gw,+cal strgs + pervasive interstitial cal			0.006				
	26.90	27.50	647	0.60	Sar gw 'GC' altd fuchsitic ser vibrant gn to wht & pink cal +trc py, Uct @50, LCt irreg			0.02				
	27.50	28.50	648	1.00	Sar gw,+cal strgs + pervasive interstitial cal			0.005				
	28.50	29.20	649	0.70	Sar gw,+cal strgs + pervasive interstitial cal			0.006				
	29.20	29.75	650	0.55	Sar gw,+cal strgs + pervasive interstitial cal + narrow 'GC' with qtz ank strgs, pink & wht cal strg			0.01				
	29.75	30.75	651	1.00	Sar gw,+cal strgs + pervasive interstitial cal			0.036				
	30.75	31.70	652	0.95	Sar gw, md-pa gn, wkly bleach'd, cal strgs+pervas interstitial abruptly stops at LCt@ 45TCA,			0.011				
	31.70	32.50	653	0.80	Sar gw start of 'GC' zone, pa gn silic'd bleach'dqtz ank strgs + chl lined microfrcts, nil cal			0.063				
	32.50	33.00	654	0.50	Sar gw 'GC' zone, more vibrant yellow gn fuchsitic ser-qtz ank strgs 4.0cm vnlets + trc py & Cpy			0.01				
	33.00	33.50	655	0.50	Sar gw 'GC' as above with 40TCA lamellae layers locy			0.01				
	33.50	34.00	656	0.50	Sar gw 'GC' as above with 40TCA lamellae layers locy			0.01				
	34.00	34.50	657	0.50	Sar gw 'GC' as above with 40TCA lamellae layers locy			0.01				
	34.50	35.00	658	0.50	Sar gw 'GC' as above strg fuchsitic ser + qtz ank strgs & vnlets forming vn bx			0.221				
	35.00	35.90	659	0.90	Sar gw 'GC' as above strg fuchsitic ser+qtz ank strgs & 1.5-3cm qtz vnlets			0.044				
	35.90	36.20	660	0.30	Qtz ank Vn Bx & Vn +Sar 'GC' on wall rx host to vn bx, trc-1% fg d py, LCt@60TCA			0.313				
	36.20	36.60	661	0.40	Sar gw 'GC' alt'd, + cream wht qtz strgs & vnlets			0.069				
	36.60	37.50	662	0.90	Sar gw 'GC'wk-mod,pa-md gn patchy fuchsitic ser-qtz+ank strgs vnlets,fuchsitic 36.9m LCt@45			0.023				
	37.50	38.40	663	0.90	Sar gw pa-md gn less GC alt'd + cream wht threads & 1mm-1cm qtz ank vnlets & strgs			0.006				
	38.40	39.00	664	0.60	Sar gw 'GC' mod alt'd, cut by 25% qtz+ank mm-1cm strgs & up to 5-6cms vnlets,trc-1% fg d py			0.053				
CDN-CM-43	STD		665					0.312				
	39.00	40.00	666	1.00	Sar gw 'GC'wk, locy bleach'd pa-md gn cut by qtz+ank strgs vnlets			0.008				
	40.00	40.45	667	0.45	Sar gw 'GC' mod-strg alt'd, pa-vibrant gn cut by 25% qtz+ank strgs & vnlets,trc-1% fg d py			0.171	*0.0770*			
	40.45	41.00	668	0.55	Apdk +1mm dk gn chl to fuchsitic ser clots 1-3% py, at 40.75-41.0 Sar gw as above tr-1% py		0.53/1.0m	0.83	*0.4565*			
	41.00	41.80	669	0.80	Sar GC 41-41.5m mod-strg fuchsiticser 20% qtzank strgs,41.5-41.8m Apdk 25% qank strgs tr py			0.025				
	41.80	42.75	670	0.95	Sar gw, fg granular md tan gn +20% qtz ank strgs vnlets, chl strgs, tr-1% fg d py			0.083				
	42.75	43.75	671	1.00	Scgl, pa gn-buff tan+10% qtzank strgs+md gn Sar gw + locy patchy bleach'd buff tan sections			0.032				
	43.75	44.60	672	0.85	Scgl, pa gn-buff tan +10% qtz ank strgs			0.005				
	44.60	45.50	673	0.90	Scgl, pa gn-buff tan +15% qtz ank strgs			0.009				
	45.50	46.50	674	1.00	Scgl, pa gn-buff tan +20% qtz ank strgs + tr-1% fg d py & Cpy			0.021				
	46.50	47.50	675	1.00	Scgl, pa gn-buff tan +10% qtz ank strgs ser bleach'd buff tan patches tr-1% fg d py			0.042				

	47.50	48.50	676	1.00	Scgl, pa gn-buff tan +10-15% qtz ank strgs ser bleach'd pa tan-pinkish tan patches tr-1% fg d py			0.064				
	48.50	49.50	677	1.00	Scgl, pa gn-buff tan +3-5% qtz ank strgs ser bleach'd pa tan-pinkish tan patches tr-1% fg d py			0.007				
	49.50	50.00	678	0.50	Scgl, buff tan-pa pink + 20% qtz ank chl strgs vnlets			0.013				
	50.00	50.60	679	0.60	Scgl, buff tan-pa pink + 25% qtz ank chl strgs vnlets			0.015				
BLK	BLK		680					0.007				
	50.60	51.20	681	0.60	Sar gw 'GC' alt'd-pa to vibrant gn-qtz ank vn bx 40 cm+chl frct strgs-locy bleach'd pa tan sil'd tr py			0.034				
	51.20	51.80	682	0.60	Sar gw 'GC' alt'd-pa to vibrant gn-qtz ank vn bx 40 cm+chl frct strgs-locy bleach'd pa tan sil'd tr py			0.171				
	51.80	52.80	683	1.00	20cm Scgl sil'd bleach'd pamd tan;80cm Sar gw pagn patan+occ'l small pebbles+5%qankchl strgs			0.016				
	52.80	53.40	684	0.60	Sar gw str 'GC' zone +5% qtz ank chl strgs - tr d py			0.021				
	53.40	54.40	685	1.00	Sar gw wk-mod 'GC' alt'd zone + 15% qtz ank strgs			0.01				
	54.40	55.20	686	0.80	Sar gw mod-strg 'GC' alt'd zone + 25% qtz ank strgs vnlets - tr d py			0.178				
CDN-CM-28	STD		687					1.57				
	55.20	56.00	688	0.80	Scgl small pebble + fuchsitic ser wispy matrix + 3-5% qtz ank strgs			0.015				
	56.00	57.00	689	1.00	Scgl small pebble+fuchsitic ser wispy matrix+several cobbles locy+10 % qtz ank strgs vnlets			0.016				
	57.00	57.85	690	0.85	Scgl small pebble+fuchsitic ser wispy matrix+several cobbles locy+10 % qtz ank strgs vnlets			0.09				
	57.85	58.50	691	0.65	Sar gw 'GC' mod alt'd, vibrant gn cut by 35% qtz ank strgs & vnlets @25-40TCA +trc-1% fg d py			0.034				
	58.50	59.00	692	0.50	Sar gw 'GC' mod-str alt'd, vibrant gn cut by 5% qtz ank strgs & vnlets, fabric@25TCA +trcfg d py			0.008				
	59.00	60.00	693	1.00	Sar md gn fg gritty granular +occ'l 0.25cm jasper granules + qtz ank strgs -chl threads			0.007				
	63.20	64.20	694	1.00	Sar gw md gn+patchy pa-vibrant gn wk 'GC'+15% qtz ank strgs vnlets+cal chl trc fg d py			0.029				
	69.50	70.50	695	1.00	Sargw+occ'l pebble md-dk gn+60 cm 10% qtz ank strgs & cal strgs+40 cm 10% qtz ank cal strgs			0.008				
	70.50	71.50	696	1.00	Scgl as71.45m+md-dkgrymarroon grittymatrix+small pebbles,sil'd hard flood'd 20%qtzank strgs-py			0.022				
	71.50	72.50	697	1.00	Sar as 71.45-72.5m mdgn with patan ltbeige bleach'd sectn brkn 72.1-72.4m+10% qtz ank strgs			0.013				
	82.90	83.50	698	0.60	Scgl, wk-mod sil'd qtz ank & cal chl strgs, wk-trc fg d py			0.066				
	83.50	84.25	699	0.75	Scgl, wk-mod sil'd qtz ank & cal chl strgs, wk-trc fg d py			0.023				
	104.35	105.00	700	0.65	Sar md gn fg +cream wht qtz ank vnlets @ 30TCA + occ'l cal strgs - trc fg d py			0.019				
	106.90	107.90	910	1.00	Sar mdgn+mudstone layers@25TCA+bleach'd cal-ser wispyfilamnts-qtzcalchl strgs-trc py,Apdklet			< 0.005				
	107.90	108.75	911	0.85	Sar mdgn+mudstone layers@25TCA+bleach'd cal-ser wispyfilamnts-qtzcalchl bx'd strgs-trc fg py			0.034				
	111.40	112.30	912	0.90	Sar md gn fg gritty + qtz ank strgs & vnlets - wk cal strgs - trc py			0.042				
BLK	BLK		913					< 0.005				
	112.30	113.00	914	0.70	Scgl polymict+pinkfels intru+red jasper pebbles/cobbles+dkgnmatrix+cal-qtz strgs+chlfrcts+trc py			0.088				
	113.00	114.00	915	1.00	Scgl polymict+pinkfels intru+red jasper pebbles/cobbles+dkgnmatrix+cal-qtz strgs+chlfrcts+trc py			0.008				
	114.00	115.00	916	1.00	Scgl polymict+pinkfels intru+red jasper pebbles/cobbles+dkgnmatrix+cal-qtz strgs+chlfrcts+trc py			0.019				
CDN-CM-43	STD		917					0.328				
	115.00	116.00	918	1.00	Scgl polymict+pinkfels intru+red jasper pebbles/cobbles+dkgnmatrix+cal-qtz strgs+chlfrcts+trc py			0.039				
	116.00	117.00	919	1.00	Scgl polymict+pinkfels intru+red jasper pebbles/cobbles+dkgnmatrix+cal-qtz strgs+chlfrcts+trc py			0.029				
	117.00	117.60	920	0.60	Scgl as above + " " "wk ser wisps & filaments+cal-qtz strgs+chlfrcts+trc py			0.022				
	117.60	118.20	921	0.60	Scgl buff tan sil'd qtz strgs+pervasive interstitial cal+chl lined frcts+fg d py			0.522	*0.3132*			
	118.20	118.85	922	0.65	Scgl as above + " " "wk ser wisps & filaments+cal-qtz strgs+chlfrcts+trc py		0.36/1.2m	0.202	*0.1212*			
	118.85	119.80	923	0.95	Sar md gn fg gritty pervas interstitial cal+cal strgs+reddish 1cm granules+trs py			0.036				
	119.80	120.40	924	0.60	Scgl as above + " " "wk ser wisps & filaments+cal-qtz strgs+chlfrcts+trc py			0.038				
	120.40	121.20	925	0.80	Sar md-dkgn+cal strgs&pervasinterst+chlfrcts+ser wispylamellae filaments@25-40TCA-trc py			0.014				

	121.20	122.00	926	0.80	Sar md-dkgn+cal strgs&pervasinterst+chlfrcts+ser wispylamellae filaments@25-40TCA-trc py			0.011				
	131.00	132.00	927	1.00	Scgl polymictic mddk gn near Dbdk+ wk cal qtz strgs-chl-wk ser-trc-1%fg d py			0.056				
	132.00	133.00	928	1.00	Scgl polymictic mddk gn near Dbdk+ wk cal qtz strgs-chl-wk ser-trc-1%fg d py			0.022				
	133.00	134.00	929	1.00	Scgl polymictic mddk gn near Dbdk+ wk cal qtz strgs-chl-wk ser-trc-1%fg d py			0.014				
	134.00	135.00	930	1.00	Scgl polymictic mddk gn near Dbdk+ wk cal qtz strgs-chl-wk ser-trc-1%fg d py			0.01				
	135.00	136.00	931	1.00	Scgl polymictic mddk gn near Dbdk+ wk cal qtz strgs-chl-wk ser-trc-1%fg d py+occ'l bleb py			0.019				
	136.00	137.00	932	1.00	Scgl polymictic mddk gn near Dbdk+ wk cal qtz strgs-chl-wk ser-trc-1%fg d py+occ'l bleb py			0.025				
	137.00	138.00	933	1.00	Scgl polymictic mddk gn near Dbdk+ wk cal qtz strgs-chl-wk ser-trc-1%fg d py+occ'l bleb py			0.007				
BLK	BLK		934					< 0.005				
	150.00	151.00	935	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.082				
	151.00	152.00	936	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.063				
	152.00	153.00	937	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.04				
CDN-CM-28	STD		938					1.51				
	153.00	154.00	939	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.024				
	154.00	155.00	940	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.029				
	155.00	156.00	941	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.112				
	156.00	157.00	942	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.082				
	157.00	158.00	943	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.007				
	158.00	159.00	944	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.104				
	159.00	160.00	945	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.03				
	160.00	161.00	946	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.009				
	161.00	162.00	947	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.053				
	162.00	163.00	948	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.017				
	163.00	164.00	949	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.086	*0.086*			
	164.00	165.00	950	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.079	*0.079*			
	165.00	166.00	951	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.091	*0.091*			
	166.00	167.00	952	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.141	*0.141*			
	167.00	168.00	953	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.095	*0.095*			
	168.00	169.00	954	1.00	Scgl cse polymictic as above " " +wk sil'd-qtzank strgs-ser-chlfrcts,1%fg d py + 5mm blebs py	0.115/6.0m	0.146/3.0m	0.203	*0.203*			
	169.00	170.00	955	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrct,1-2% py			0.05				
	170.00	171.00	956	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.062				
	171.00	172.00	957	1.00	Scgl csepolymic md-pa gn mod bleach'd-cal pervas&strgs-wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.069				
	172.00	173.00	958	1.00	Scgl cse polymictic as above+ strg frctd core " " +wk sil'd-qtzank strgs-ser-chlfrcts,1% py			0.082				
CDN-CM-43	STD		959					0.301				
	173.00	174.00	960	1.00	Scgl csepolymic md-pa gn bleach'd-cal strg pervas&strgs-qtzank strgs-str wispy ser+trc-1%fgd py			0.074				
	174.00	175.00	961	1.00	Scgl csepolymic md-pa gn bleach'd-cal strg pervas&strgs-qtzank strgs-str wispy ser+trc-1%fgd py			0.052				
	175.00	176.00	962	1.00	Scgl csepolymic md-pa gn bleach'd-cal strg pervas&strgs-qtzank strgs-str wispy ser+trc-1%fgd py			0.021				
	176.00	177.00	963	1.00	Scgl csepolymic md-pa gn bleach'd-cal strg pervas&strgs-qtzank strgs-str wispy ser+trc-1%fgd py			0.019				
BLK	BLK		964					< 0.005				
	182.50	183.50	965	1.00	Scglcsepolymic pagrygn-pinktanbleach'd-calpervas&strgs-qtzankstrgs-wkserchl frcts+trc-4%fgd py			0.03				
	183.50	184.50	966	1.00	Scglcsepolymic pagrygn-pinktanbleach'd-calpervas&strgs-qtzankstrgs-wkserchl frcts+trc-4%fgd py			0.075				

	184.50	185.50	967	1.00	Scglcsepolymic pagrygn-pinktanbleach'd-calpervas&strgs-qtzankstrgs-wkserchl frcts+trc-4%fgd py			0.02				
	185.50	186.50	968	1.00	Scglcsepolymic pagrygn-pinktanbleach'd-calpervas&strgs-qtzankstrgs-wkserchl frcts+trc-4%fgd py			0.015				
	186.50	187.50	969	1.00	Scglcsepolymic pagrygn-pinktanbleach'd-calpervas&strgs-qtzankstrgs-wkserchl frcts+trc-4%fgd py			0.031				
	190.30	190.90	970	0.60	Scglcsepolymic pagrygn-pinktanbleach'd-calpervas&strgs-qtzankstrgs-wkserchl frcts+trc-4%fgd py			0.022				
	190.90	191.50	971	0.60	Scglcsepolymic pagrygn-pinktanbleach'd-calpervas&strgs-qtzankstrgs-wkserchl frcts+trc-4%fgd py			0.103	*0.0618*			
	191.50	192.50	972	1.00	Scglcsepolymic pagrygn-pinktanbleach'd-calpervas&strgs-qtzankstrgs-wkserchl frcts+trc-4%fgd py		0.174/1.6m	0.216	*0.2160*			
	197.50	198.30	973	0.80	Scglcsepolymic pagrygn-pinktanbleach'd-calpervas&strgs-qtzankstrgs-wkserchl frcts+trc-1%fgd py			0.028				
	198.30	199.00	974	0.70	Scgl polymic mdpinkhemarkosicmatrix-silic'd-qtzstrgs-hem-chl wispyflecks frcts-wk ser-1%fgd py			0.016				
	199.00	200.00	975	1.00	Scgl polymic mdpinkhemarkosicmatrix-silic'd-qtzstrgs-hem-chl wispyflecks frcts-wk ser-1%fgd py			0.045				
	200.00	200.70	976	0.70	Scgl polymic mdpinkhemarkosicmatrix-silic'd-qtzstrgs-hem-chl wispyflecks frcts-wk ser-1%fgd py			0.061				
	200.70	201.70	977	1.00	Scgl polymictic md-dk gn matrix-pervas cal & cal strgs trc py			0.261				
	204.00	205.00	978	1.00	Scglcsepolymic pagrygn-pinktanbleach'd-calpervas&strgs-qtzankstrgs-wkserchl frcts+trc-1%fgd py			0.021				
	205.00	206.00	979	1.00	Scglcsepolymic pagrygn-pinktanbleach'd-calpervas&strgs-qtzankstrgs-wkserchl frcts+trc-1%fgd py			0.059				
	206.00	206.50	980	0.50	Scglcsepolymic pagrygn-pinktanbleach'd-calpervas&strgs-qtzankstrgs-wkserchl frcts+trc-1%fgd py			0.043				
CDN-CM-28	STD		981					1.39				
	206.50	207.05	982	0.55	Sar pa-md yellow-pervas ser&wisps &filaments-bleach'd wk sil'd-chl threadlike frcts-trc fgd py			0.007				
	207.05	208.00	983	0.95	Scgl polymict mdgn-patchy pink tan matrix-wk bleach'd & sil'd-qtzank strgs-chl frctstrc-1%fgd py			0.027				
	208.00	209.00	984	1.00	Scgl polymict mdgn-patchy pink tan matrix-wk bleach'd & sil'd-qtzank strgs-chl frctstrc-1%fgd py			0.011				
	209.00	210.00	985	1.00	Scgl polymict mdgn-patchy pink tan matrix-wk bleach'd & sil'd-qtzank strgs-chl frctstrc-1%fgd py			0.049				
BLK	BLK		986					< 0.005				
	218.00	219.00	987	1.00	Scgl polymictic+15 cm Sar at218.85m-md gn wk bleach'd+pervas cal-chl lined frcts & wisps			0.064				
	219.00	219.90	988	0.90	Sar 219.0m 50 cm + 40 cm Scgl polymictic+pervas cal-chl lined frcts wisps-qtz ank strgs-trc py		1.55/0.9m	1.55				
	219.90	220.80	989	0.90	Scgl polymictic pervas cal+chl wisps+chl frcts+minor qtz ank strgs+trc py			0.058				
	220.80	221.40	990	0.60	Sar pa-md gry gn-pervas cal-chl lined frcts-trc py			0.014				
	221.40	222.00	991	0.60	Sar pa-md gry gn-pervas cal-chl lined frcts-trc py			0.006				
	222.00	222.50	992	0.50	Scgl polymictic pervas cal+chl wisps+chl frcts+minor qtz ank strgs+trc py			0.037				
	222.50	223.00	993	0.50	Sar pa-md gry gn-pervas cal-chl lined frcts-trc py			0.006				
	223.00	224.00	994	1.00	Scgl polymictic - sil'd - wk cal-chl strgs - no cal - trc py			0.028				
	224.00	225.00	995	1.00	Scgl polymictic 224.0-224.3m same as above; + Sar 224.3-225.0m chl frcts+wk cal strgs + trc py			0.05				
	232.10	233.00	996	0.90	Scglsmallpebs sil'dgrywht+qtzgranules+mdgrymatrix+red jasper granules+no cal-chl frcts-wkpy			0.185				
IMGW 19-04	165.40	166.00	701	0.60	Scgl small pebble dk-md gn gry+red jasper granules+pervas sil'd & cal-cal strgs-chl frcts-trc-1%py			0.984	*0.590*			
	166.00	166.50	702	0.50	Scgl small pebble dk-md gn gry+red jasper granules+pervas sil'd & cal-cal strgs-chl frcts-trc-1%py			0.066	*0.033*			
	166.50	167.00	703	0.50	Scgl small pebble dk-md gn gry+red jasper granules+pervas sil'd & cal-cal strgs-chl frcts-trc-1%py			0.117	*0.059*			
	167.00	167.50	704	0.50	Scgl small pebble dk-md gn gry+red jasper granules+pervas sil'd & cal-cal strgs-chl frcts-trc-1%py			0.174	*0.087*			
	167.50	168.00	705	0.50	Scgl small pebble dk-md gn gry+red jasper granules+pervas sil'd & cal-cal strgs-chl frcts-trc-1%py			0.546	*0.273*			
	168.00	168.50	706	0.50	Scgl small pebble md gry +red jasper granules+pervas sil'd & cal-cal strgs-chl frcts-trc-1%py			0.077	*0.039*			
	168.50	169.00	707	0.50	Scgl small pebble md gry +red jasper granules+pervas sil'd & cal-cal strgs-chl frcts-trc-1%py			0.127	*0.064*			
	169.00	169.50	708	0.50	Scgl small pebble md gry +red jasper granules+pervas sil'd & cal-cal strgs-chl frcts-trc-1%py			0.061	*0.031*			
	169.50	170.00	709	0.50	Scgl small pebble md gry +red jasper granules+pervas sil'd & cal-cal strgs-chl frcts-trc-1%py			0.078	*0.039*			
	170.00	170.50	710	0.50	Scgl small pebble md gry +red jasper granules+pervas sil'd & cal-cal strgs-chl frcts-trc-1%py			0.191	*0.096*			
	170.50	171.00	711	0.50	Scgl small pebble md gry +red jasper granules+pervas sil'd & cal-cal strgs-chl frcts-trc-1%py			0.145	*0.073*			

	171.00	171.50	712	0.50	Scgl small pebble md-pa gry +red jasper granules+pervas sil'd & cal-cal strgs-chl frcts-trc-1%py			0.209	*0.105*			
	171.50	172.00	713	0.50	Scgl small pebble md-pa gry +red jasper granules+pervas sil'd & cal-cal strgs-chl frcts-trc-1%py			0.120	*0.060*			
	172.00	172.50	714	0.50	Scgl small pebble md-pa gry +red jasper granules+pervas sil'd & cal-cal strgs-chl frcts-trc-1%py			0.634	*0.317*			
	172.50	173.00	715	0.50	Scgl small pebble md-pa gry +red jasper granules+pervas sil'd & cal-cal strgs-chl frcts-trc-1%py			0.651	*0.326*			
	173.00	173.50	716	0.50	Scgl small pebble md-pa gry +red jasper granules+pervas sil'd & cal-cal strgs-chl frcts-trc-1%py			0.161	*0.081*			
	173.50	174.00	717	0.50	Scgl small pebble md-pa gry +red jasper granules+pervas sil'd & cal-cal strgs-chl frcts-trc-1%py			0.451	*0.226*			
	174.00	174.65	718	0.65	Scgl small pebble md-pa gry +red jasper granules+pervas sil'd & cal-cal strgs-chl frcts-trc-1%py			0.281	*0.183*			
	174.65	175.60	719	0.95	Sar md gn fg gran-gritty, pervas interstitial cal+qtz ank strgs vnlets+trc py			0.544	*0.517*			
	175.60	176.60	720	1.00	Sar md gn fg gran-gritty, pervas interstitial cal+qtz ank strgs vnlets+trc py			0.307	*0.307*			
CDN-CM-28	STD		721					1.500				
	176.60	177.55	722	0.95	Sar md gn fg gran-gritty, pervas interstitial cal+qtz ank strgs vnlets+trc py			0.268	*0.255*			
BLK	BLK		723					0.028				
	177.55	178.00	724	0.45	Scgl polymicpebblecobble+bleach'd pa-mdgrymatrix+ser+chl frcts+sil'd+qtzank strgs 1%py			0.097	*0.044*			
	178.00	178.50	725	0.50	Scgl polymicpebblecobble+bleach'd pa-mdgrymatrix+ser+chl frcts+sil'd+qtzank strgs 1%py			0.309	*0.155*			
	178.50	179.00	726	0.50	Scgl polymicpebblecobble+bleach'd pa-mdgrymatrix+ser+chl frcts+sil'd+qtzank strgs 1%py			0.369	*0.185*			
	179.00	179.50	727	0.50	Scgl polymicpebblecobble+bleach'd pa-mdgrymatrix+ser+chl frcts+sil'd+qtzank strgs 1%py			0.264	*0.132*			
	179.50	180.00	728	0.50	Scgl polymicpebblecobble+bleach'd pa-mdgrymatrix+ser+chl frcts+sil'd+qtzank strgs 1%py			0.096	*0.048*			
	180.00	180.50	729	0.50	Scgl polymicpebblecobble+bleach'd pa-mdgrymatrix+ser+chl frcts+sil'd+qtzank strgs 1%py			0.030	*0.015*			
	180.50	181.00	730	0.50	Scgl polymicpebblecobble+bleach'd pa-mdgrymatrix+ser+chl frcts+sil'd+qtzank strgs 1%py			0.139	*0.070*			
	181.00	181.50	731	0.50	Scgl polymicpebblecobble+bleach'd pa-mdgrymatrix+ser+chl frcts+sil'd+qtzank strgs 1%py			0.282	*0.141*			
	181.50	182.00	732	0.50	Scgl polymicpebblecobble+bleach'd pa-mdgrymatrix+ser+chl frcts+sil'd+qtzank strgs 1%py			0.205	*0.103*			
	182.00	182.50	733	0.50	Scgl polymicpebblecobble+bleach'd pa-mdgrymatrix+ser+chl frcts+sil'd+qtzank strgs 1%py			0.419	*0.210*			
	182.50	183.00	734	0.50	Scgl polymicpebblecobble+bleach'd pa-mdgrymatrix+ser+chl frcts+sil'd+qtzank strgs 1%py			0.078	*0.039*			
	183.00	183.55	735	0.55	Scgl polymicpebblecobble+bleach'd pa-mdgrymatrix+ser+chl frcts+sil'd+qtzank strgs 1%py			0.225	*0.124*			
BLK	BLK		736					< 0.005				
	183.55	184.15	737	0.60	Apdk pa gn fg+plag micro & xll lathes+chl ser alt'd amphib+cal pervas interst & strgs+trc hem			0.121	*0.073*			
	184.15	184.70	738	0.55	Apdk pa gn fg+plag micro & xll lathes+chl ser alt'd amphib+cal pervas interst & strgs+trc hem			0.108	*0.059*			
	184.70	185.40	739	0.70	Scglcsepolym pebcob+red jasper+bleach'd sil'd pa-mdgry+fuchsiticser-chl frcts-qtzankstrgs 1%py			0.295	*0.207*			
	185.40	186.00	740	0.60	Scglcsepolym pebcob+red jasper+bleach'd sil'd pa-mdgry+fuchsiticser-chl frcts-qtzankstrgs 1%py			0.109	*0.065*			
	186.00	186.50	741	0.50	Scglcsepolym pebcob+red jasper+bleach'd sil'd pa-mdgry+fuchsiticser-chl frcts-qtzankstrgs 1%py			0.327	*0.164*			
	186.50	187.00	742	0.50	Scglcsepolym pebcob+red jasper+bleach'd sil'd pa-mdgry+fuchsiticser-chl frcts-qtzankstrgs 1%py			0.108	*0.054*			
	187.00	187.50	743	0.50	Scglcsepolym pebcob+red jasper+bleach'd sil'd pa-mdgry+fuchsiticser-chl frcts-qtzankstrgs 1%py			0.053	*0.027*			
CDN-CM-43	STD		744					0.292				
	187.50	188.00	745	0.50	Scglcsepolym pebcob+red jasper+bleach'd sil'd pa-mdgry+fuchsiticser-chl frcts-qtzankstrgs 1%py			0.058	*0.029*			
	188.00	188.50	746	0.50	Scglcsepolym pebcob+red jasper+bleach'd sil'd pa-mdgry+fuchsiticser-chl frcts-qtzankstrgs 1%py			0.172	*0.086*			
	188.50	189.00	747	0.50	Scglcsepolym pebcob+red jasper+bleach'd sil'd pa-mdgry+fuchsiticser-chl frcts-qtzankstrgs 1%py			0.286	*0.143*			
	189.00	189.50	748	0.50	Scglcsepolym pebcob+red jasper+bleach'd sil'd pa-mdgry+fuchsiticser-chl frcts-qtzankstrgs 1%py			0.030	*0.015*			
	189.50	190.15	749	0.65	Scglcsepolym pebcob+red jasper+bleach'd sil'd pa-mdgry+fuchsiticser-chl frcts-qtzankstrgs 1%py			0.210	*0.137*			
BLK	BLK		750					0.005				
	190.15	190.80	751	0.65	Sar md grygn to tan, fg gran-gritty, pervas interstitial & strgs cal+chl lined frcts wk hem			0.176	*0.114*			
	190.80	191.50	752	0.70	Sar md grygn to tan, fg gran-gritty, pervas interstitial & strgs cal+chl lined frcts wk hem			0.408	*0.286*			

	191.50	192.00	753	0.50	Scglcsepolym pebcob+red jasper+bleach'd sil'd pa-mdgry+fuchsiticser-chl frcts-qtzankstrgs 1%py			0.220	*0.110*			
	192.00	192.50	754	0.50	Scglcsepolym pebcob+red jasper+bleach'd sil'd pa-mdgry+fuchsiticser-chl frcts-qtzankstrgs 1%py			0.485	*0.243*			
	192.50	193.00	755	0.50	Scgl " -192.65m;QV -192.8m@50TCAchl+trcpy;Ap dklet -192.85m;Sar -193m sil'dchlpa tan1%py			1.890	*0.945*			
	193.00	193.50	756	0.50	Sar as above -193.1m; QV as above -193.15m 1% fg d py; Apdkas above -193.5m			0.343	*0.172*			
	193.50	193.85	757	0.35	Apdk foli@50TCA+buff tan wht bleach'd sil'd+cut by bx'd QV+3-5% fg muddy py strgs@ 50TCA	0.94/3.05m	1.34/1.85m	3.200	*1.120*			
BLK	BLK		758					0.011				
	193.85	194.35	759	0.50	Apdk pagn+vibrant gn fuchsitic ser+1mm chlalt'amphib+sil'd+wk pervas & strg cal+chl frcts			0.076	*0.038*			
	194.35	195.00	760	0.65	QV-194.5m@55/75TCA+chl-1% fgd py;+Sar -195.0 alt'd buff tan-sil'd-ser-chl-1% fg d py			0.301	*0.196*			
	195.00	195.65	761	0.65	Sar sil'd granules-alt'd bufftan-sil'd pervas qtz flooding strgs-ser wispyfilaments-chl frcts-1% fg d py		0.32/30.25m	0.600	*0.390*			
BLK	BLK		762					0.007				
	195.65	196.30	763	0.65	Sar strgly alt'd bleach'd sil'd buff-pinktan-yellow-fuchsitic ser-filamnts35TCA-chl frcts-tr-1% fg d py			0.043	*0.028*			
	196.30	197.00	764	0.70	Sar strgly alt'd bleach'd sil'd buff-pinktan-yellow-fuchsitic ser-filamnts35TCA-chl frcts-tr-1% fg d py			0.018	*0.013*			
	197.00	197.50	765	0.50	Sar strgly alt'd bleach'd sil'd buff-pinktan-yellow-fuchsitic ser-filamnts35TCA-chl frcts-tr-1% fg d py			0.245	*0.123*			
	197.50	198.00	766	0.50	Sar strgly alt'd bleach'd sil'd buff-pinktan-yellow-fuchsitic ser-filamnts35TCA-chl frcts-tr-1% fg d py			0.029	*0.015*			
	198.00	198.50	767	0.50	Sar strgly alt'd bleach'd sil'd buff-pinktan-yellow-fuchsitic ser-filamnts35TCA-chl frcts-tr-1% fg d py			0.118	*0.059*			
CDN-CM-28	STD		768					1.500				
	198.50	199.00	769	0.50	Sar strgly alt'd bleach'd sil'd buff-pinktan-yellow-fuchsitic ser-filamnts35TCA-chl frcts-tr-1% fg d py			0.097	*0.049*			
	199.00	199.50	770	0.50	Sar strgly alt'd bleach'd sil'd buff-pinktan-yellow-fuchsitic ser-filamnts35TCA-chl frcts-tr-1% fg d py		0.294/34.1m	0.124	*0.062*			
	199.50	200.00	771	0.50	Sar strgly alt'd bleach'd sil'd buff-pinktan-yellow-fuchsitic ser-filamnts35TCA-chl frcts-tr-1% fg d py			0.029	*0.015*			
	200.00	200.50	772	0.50	Sar as above " " with increased brecciat'n+dk gn chl frcts+199.95-200.5m blebs strgs fg d 1% py			0.038	*0.019*			
	200.50	201.00	773	0.50	Sar as above " " with increased brecciat'n+dk gn chl frcts+199.95-200.5m blebs strgs fg d 1% py			0.011	*0.006*			
	201.00	201.50	774	0.50	Sar as above " " with increased brecciat'n+dk gn chl frcts+199.95-200.5m blebs strgs fg d 1% py			0.008	*0.004*			
	201.50	202.00	775	0.50	Sar as above " " with increased brecciat'n+dk gn chl frcts+199.95-200.5m blebs strgs fg d 1% py			0.019	*0.010*			
	202.00	202.50	776	0.50	Sar " "-202.2; S wkcgl -202.5m strg bleached sil'd pa yellowgn ser+cal strgs+chl frcts+trc-1% py			0.420	*0.210*			
	202.50	203.00	777	0.50	Scgl+cse granules occ'lpebs+strg bleach'd sil'd+pa yellowgn ser+cal strgs+chl frcts+trc-1% py			0.046	*0.023*			
	203.00	203.40	778	0.40	Scgl+cse granules occ'lpebs+strg bleach'd sil'd+pa yellowgn ser+cal strgs+chl frcts+trc-1% py			0.045	*0.018*			
	203.40	203.90	779	0.50	Scgl+csegrit occ'lpebs+strgbleach'dsil'd+payellowgnser+calstrgs+chlfrcts+qv10cm@60+1-3% py			1.400	*0.700*			
BLK	BLK		780					0.015				
	203.90	204.30	781	0.40	Scgl+cse granules occ'lpebs+strg bleach'd sil'd+pa yellowgn ser+cal strgs+chl frcts+trc-1% py			0.413	*0.165*			
	204.30	204.70	782	0.40	Scgl+small pebs-strgly brecciat'd+strgly bleach'd sil'd+pa tan-gry+chl microfrcts+1-3%fg d py			1.480	*0.592*			
	204.70	205.20	783	0.50	Scgl+small pebs-strgly brecciat'd+strgly bleach'd sil'd+pa tan-gry+chl microfrcts+1-3%fg d py		1.25/1.8m	1.590	*0.795*			
	205.20	205.70	784	0.50	Scgl+small pebs-strgly brecciat'd+strgly bleach'd sil'd+pa tan-gry+chl microfrcts+1-3%fg d py			0.566	*0.283*			
BLK	BLK		785					0.016				
	205.70	206.20	786	0.50	Sar strglyalt'd bleach'dsil'd+bx'd+pa-mdyellowgn fuchsiticser+chlfrcts+chlcal-qtzcalstrgs+tr py			0.086	*0.043*			
	206.20	206.70	787	0.50	Sar strglyalt'd bleach'dsil'd+bx'd+pa-mdyellowgn fuchsiticser+chlfrcts+chlcal-qtzcalstrgs+tr py			0.046	*0.023*			
	206.70	207.20	788	0.50	Sar strglyalt'd bleach'dsil'd+bx'd+pa-mdyellowgn fuchsiticser+chlfrcts+chlcal-qtzcalstrgs+tr py			0.533	*0.267*			
	207.20	207.70	789	0.50	Sar strglyalt'd bleach'dsil'd+bx'd+pa-mdyellowgn fuchsiticser+chlfrcts+chlcal-qtzcalstrgs+tr py			0.216	*0.108*			
	207.70	208.20	790	0.50	Sar strglyalt'd bleach'dsil'd+bx'd+pa-mdyellowgn fuchsiticser+chlfrcts+chlcal-qtzcalstrgs+tr py			0.262	*0.131*			
CDN-CM-43	STD		791					0.345				
	208.20	208.70	792	0.50	Sar strglyalt'd bleach'dsil'd+bx'd+pa-mdyellowgn fuchsiticser+chlfrcts+chlcal-qtzcalstrgs+tr py			0.304	*0.152*			
	208.70	209.20	793	0.50	Scgl 208.8m down;pa gry tan-buff tan+pervas sil'd hard+frctd to bx'd chl frcts 1-3% fg d py			0.424	*0.212*			

BLK	BLK		794					0.007				
	209.20	209.60	795	0.40	Scgl as above;+QV bx'd 209.3-209.6m+3-5% fg py as muddystoney strgs-wisps-patches in frcts			1.260	*0.504*			
	209.60	210.00	796	0.40	QV aphan massivewht+dkgrygn+py linedfrcts+locymuddy stoneyfg 3-5%py locy csestrgs bx'd qv			0.750	*0.300*			
BLK	BLK		797					0.008				
	210.00	210.50	798	0.50	QV -210.15m +3-5% fg muddy py strgs in locy bx'dQV;+ also Scgl tan-210.5m bx'd frct sil'd altn			0.701	*0.351*			
BLK	BLK		799					0.007				
	210.50	211.00	800	0.50	Scgl bleach'd buff tan+pervas sil'd aphan hard+qtz flooded qtz strgs+qtz-cal strgs+1-3% fgd py		0.781/1.8m	0.499	*0.250*			
	211.00	211.50	801	0.50	Scgl bleach'd buff tan+pervas sil'd aphan hard+qtz flooded qtz strgs+qtz-cal strgs+1-3% fgd py			0.381	*0.191*			
	211.50	212.00	802	0.50	Scgl bleach'd buff tan+pervas sil'd aphan hard+qtz flooded qtz strgs+qtz-cal strgs+1-3% fgd py			0.277	*0.139*			
BLK	BLK		803					0.007				
	212.00	212.50	804	0.50	Sar+alt'd buff-md tan+sil'd+cal strgs+dk gn healed frcts in bx'd Sar+trc-1% fg d py			0.612	*0.306*			
	212.50	213.00	805	0.50	Sar+alt'd buff-md tan+sil'd+cal strgs+dk gn healed frcts in bx'd Sar+trc-1% fg d py			0.337	*0.169*			
	213.00	213.50	806	0.50	Sar "-213.2m;Apdk-213.5mbleach'd pagn-bufftan+Sarincls+1mmfuchsiticser-alt'd amphib-chl frct			0.324	*0.162*			
	213.50	214.00	807	0.50	Apdk as above			0.020	*0.010*			
	214.00	214.50	808	0.50	Apdk-214.15m;Sar-214.5mpa-md bufftan pinkishtan-bleach'd-sil-ank cal strgs-chl frcts-trc-1% py			0.113	*0.057*			
	214.50	215.00	809	0.50	Apdk-214.15m;Sar-214.5mpa-md bufftan pinkishtan-bleach'd-sil-ank cal strgs-chl frcts-trc-1% py			0.102	*0.051*			
	215.00	215.50	810	0.50	Apdk-214.15m;Sar-214.5mpa-md bufftan pinkishtan-bleach'd-sil-ank cal strgs-chl frcts-trc-1% py			0.141	*0.071*			
	215.50	216.00	811	0.50	Sar md yellow tan, frct'd bx'd+gry wht cal strgs+chl healed frcts+trc-1% fg d py			0.031	*0.016*			
BLK	BLK		812					0.007				
	216.00	216.50	813	0.50	Sar"-216.05m;Scgl-216.5m granules&cse felsicintrus bldrs-sil'dbx'd-chl frcts-cal-qtz strgs+1%py			1.530	*0.765*			
	216.50	217.00	814	0.50	Scgl mdtanyellowgry&pinkredgranules,cobbles,csefelsicintrusbldrs-sil'd bx'd-chl-calqtzstrgs 1%py			0.273	*0.137*			
	217.00	217.50	815	0.50	Scgl mdtanyellowgry&pinkredgranules,cobbles,csefelsicintrusbldrs-sil'd bx'd-chl-calqtzstrgs 1%py		0.747/1.5m	0.437	*0.219*			
	217.50	218.00	816	0.50	Scgl mdtanyellowgry&pinkredgranules,cobbles,csefelsicintrusbldrs-sil'd bx'd-chl-calqtzstrgs 1%py			0.142	*0.071*			
CDN-CM-28	STD		817					1.270				
	218.00	218.50	818	0.50	Scgl " " +pa pink to brick red frct'd cobbles+qtzo-feldspathic felsic intrus cobbles+trc-1% fg d py			0.086	*0.043*			
	218.50	219.00	819	0.50	Scgl " " +pa pink to brick red frct'd cobbles+qtzo-feldspathic felsic intrus cobbles+trc-1% fg d py			0.071	*0.036*			
	219.00	219.50	820	0.50	Sar alt'dmd yellowgn fuchsiticser wispylamellae@45TCA+calstrgs+qtzankstrgs+jasper granules			0.314	*0.157*			
	219.50	220.00	821	0.50	Sar " " as above + mod sil'd + qtz ank cal strgs + 1% fg d py			0.055	*0.028*			
	220.00	220.50	822	0.50	Sar " " as above + mod sil'd + qtz ank cal strgs + 1% fg d py			0.082	*0.041*			
	220.50	221.00	823	0.50	Sar"-220.7m;Scgl -221.0m pa-mdgry-smallpebs-redjaspergrit-strgpervas sil'd-serlamellae-chl-1%py			0.129	*0.065*			
	221.00	221.50	824	0.50	Scgl pa-md gry-small pebs-red jasper granules-strg pervas sil'd-ser lamellae-chl frcts-1%fg d py		0.408/19.5m	0.192	*0.096*			
BLK	BLK		825					< 0.005				
	221.50	222.00	826	0.50	Sar mudstone md gn aphan to fg gritty mdst +wk cal strgs+ occ'l qtz strg			0.008	*0.004*			
	222.00	222.50	827	0.50	Sar mudstone md gn aphan to fg gritty mdst +wk cal strgs+ occ'l qtz strg			0.005	*0.003*			
	222.50	223.00	828	0.50	Sar mudstone md gn aphan to fg gritty mdst +wk cal strgs+ occ'l qtz strg			0.041	*0.021*			
	223.00	223.50	829	0.50	Sar mudstone md gn aphan to fg gritty mdst +wk cal strgs+ occ'l qtz strg			0.007	*0.004*			
	223.50	224.00	830	0.50	Sar mdst "- 223.95m;Scgl -224.0m narrow intercalat'd small pebble cgl-sil'd-qtz strgs-1% fg d py			1.830	*0.915*			
	224.00	224.50	831	0.50	Scgl " -224.2m; Sar mdgrygn pink grysil'd-qtz chl strgs-pa yellow ser lamellae@45TCA-1% fg d py			2.470	*1.235*			
	224.50	225.00	832	0.50	Sar md grygn pink gry-sil'd-qtz chl strgs-pa yellow ser lamellae@45TCA+1% fg d py			0.283	*0.142*			
	225.00	225.50	833	0.50	Sar"-225.15m;Scgl mdgnpinktangritmatrx-csepolympebcobble+felsintrus&redjasper-qtzcal1%py			0.057	*0.029*			
	225.50	226.00	834	0.50	Scgl mdgn pinktan gritmatrix-cse polym peb cobble+fels intrus red jasper-qtzcal strgs+1% fg d py		1.192/2.5m	1.320	*0.660*			

	226.00	226.50	835	0.50	Scgl mdgn pinktan gritmatrix-cse polym peb cobble+fels intrus red jasper-qtzcal strgs+1% fg d py			0.683	*0.342*			
	226.50	227.00	836	0.50	Scgl as above + Apdk 226.6-226.9 mdgn with 1mm anhedral porphyritic fsp xll grains			0.270	*0.135*			
	227.00	227.50	837	0.50	Scgl mdgn pinktan gritmatrix-cse polym peb cobble+fels intrus red jasper-qtzcal strgs+1% fg d py			0.979	*0.490*			
	227.50	228.00	838	0.50	Scgl mdgn pinktan gritmatrix-cse polym peb cobble+fels intrus red jasper-qtzcal strgs+1% fg d py			0.331	*0.166*			
	228.00	228.50	839	0.50	Scgl mdgn pinktan gritmatrix-cse polym peb cobble+fels intrus red jasper-qtzcal strgs+1% fg d py			0.024	*0.012*			
	228.50	229.00	840	0.50	Scgl mdgn pinktan gritmatrix-cse polym peb cobble+fels intrus red jasper-qtzcal strgs+1% fg d py			0.082	*0.041*			
	229.00	229.50	841	0.50	Scgl mdgn pinktan gritmatrix-cse polym peb cobble+fels intrus red jasper-qtzcal strgs+1% fg d py			0.454	*0.227*			
	229.50	230.00	842	0.50	Scgl mdgn pinktan gritmatrix-cse polym peb cobble+fels intrus red jasper-qtzcal strgs+1% fg d py		0.679/6.5m	0.044	*0.022*			
	230.00	231.00	843	1.00	Scgl cse polymictic pebcobblebldr+fels intrus red jasper-qtzcal strgs-chl frcts+1% fg d py			0.036				
	231.00	232.00	844	1.00	Scgl cse polymictic pebcobblebldr+fels intrus red jasper-qtzcal strgs-chl frcts+1% fg d py			0.027				
	232.00	233.00	845	1.00	Scgl cse polymictic pebcobblebldr+fels intrus red jasper-qtzcal strgs-chl frcts+1% fg d py			0.021				
	233.00	234.00	846	1.00	Sar gritty matrix + occ'l pebbles			0.012				
	234.00	235.00	847	1.00	Sar gritty matrix + occ'l pebbles			0.014				
	235.00	236.00	848	1.00	Sar "-235.4m; Scgl cse polymictic pebcobbldr QF felsicintr red jasper-qtzcal strgs-chl frcts-1%py			0.032				
	236.00	237.00	849	1.00	Scgl cse polymictic peb cob bldr QtzFsp felsic intrus+red jasper+qtzcal strgs+chl frcts+1%py			0.062				
	237.00	238.00	850	1.00	Scgl cse polymictic peb cob bldr QtzFsp felsic intrus+red jasper+qtzcal strgs+chl frcts+1%py			0.01				
	238.00	239.00	851	1.00	Scgl cse polymictic peb cob bldr QtzFsp felsic intrus+red jasper+qtzcal strgs+chl frcts+1%py			0.016				
	239.00	240.00	852	1.00	Scgl cse polymictic peb cob bldr QtzFsp felsic intrus+red jasper+qtzcal strgs+chl frcts+1%py			0.043				
	240.00	241.00	853	1.00	Scgl cse polymictic peb cob bldr QtzFsp felsic intrus+red jasper+qtzcal strgs+chl frcts+1%py			0.015				
	241.00	242.00	854	1.00	Scgl cse polymictic peb cob bldr QtzFsp felsic intrus+red jasper+qtzcal strgs+chl frcts+1%py			0.011				
	242.00	243.00	855	1.00	Scgl cse polymictic peb cob bldr QtzFsp felsic intrus+red jasper+qtzcal strgs+chl frcts+1%py			< 0.005				
	243.00	244.00	856	1.00	Scgl cse polymictic peb cob bldr QtzFsp felsic intrus+red jasper+qtzcal strgs+chl frcts+1%py			0.012				
	244.00	245.00	857	1.00	Scgl cse polymictic peb cob bldr QtzFsp felsic intrus+red jasper+qtzcal strgs+chl frcts+1%py			0.01				
	245.00	246.00	858	1.00	Scgl cse polymictic peb cob bldr QtzFsp felsic intrus+red jasper+qtzcal strgs+chl frcts+1%py			0.052				
	246.00	247.00	859	1.00	Scgl cse polymictic peb cob bldr QtzFsp felsic intrus+red jasper+qtzcal strgs+chl frcts+1%py			0.048				
	247.00	248.00	860	1.00	Scgl cse polymictic peb cob bldr QtzFsp felsic intrus+red jasper+qtzcal strgs+chl frcts+1%py			0.019				
	248.00	249.00	861	1.00	Scgl cse polymictic peb cob bldr QtzFsp felsic intrus+red jasper+qtzcal strgs+chl frcts+1%py			0.023				
	249.00	250.00	862	1.00	Scgl cse polymictic peb cob bldr QtzFsp felsic intrus+red jasper+qtzcal strgs+chl frcts+1%py			< 0.005				
CDN-CM-43	STD		863					0.008				
	250.00	251.00	864	1.00	Scgl cse polymictic peb cob bldr QtzFsp felsic intrus+red jasper+qtzcal strgs+chl frcts+1%py			0.019				
	251.00	252.00	865	1.00	Scgl cse polymictic peb cob bldr QtzFsp felsic intrus+red jasper+qtzcal strgs+chl frcts+1%py			0.018				
	252.00	253.00	866	1.00	Scgl cse polymictic peb cob bldr QtzFsp felsic intrus+red jasper+qtzcal strgs+chl frcts+1%py			0.015				
	253.00	254.00	867	1.00	Scgl cse polymictic peb cob bldr QtzFsp felsic intrus+red jasper+qtzcal strgs+chl frcts+1%py			0.007				
	143.95	144.90	868	0.95	Scgl +sil'd+pa lt gry+pervasive cal+occ'l red jasper pebbles+trc-1% fg d py			0.159				
	144.90	145.70	869	0.80	Scgl +sil'd+pa lt gry+pervasive cal+occ'l red jasper pebbles+trc-1% fg d py			0.036				
	146.40	146.95	870	0.55	Apdk bleach'd buff tan+ strg pervasive interstitial cal+ bx'd qtz strgs+ trc fg d py			0.089				
	148.30	149.00	871	0.70	Sar+wk pervas interstitial cal+cal strgs+blebs & splashes Cpy+cloudy gry qtz patches & strgs			0.021				
	149.00	150.00	872	1.00	Sar+wk pervas interstitial cal+cal strgs+blebs & splashes Cpy+cloudy gry qtz patches & strgs			0.03				
BLK	BLK		873					< 0.005				
	164.60	165.40	874	0.80	Dbdk + FAULT BRECCIA & FAULT ZONE @20TCA			0.018				
	25.40	25.90	875	0.50	Sar -25.5m;+Flt Zone25.5-25.65m@30TCA;QV26.65-26.85M@30/25TCA trcpy;frct'dbrknqtz+Sar		0.72/0.5m	0.723				

BLK	BLK		876					0.005					
	88.70	89.35	877	0.65	Sar md gry+sil'd+ser+trc-1% fg d py			0.019					
	89.35	90.00	878	0.65	Sar md yellow gn+bleach'd+chl lined frcts+1-2% fg d py			2.08	*1.352*				
	90.00	91.00	879	1.00	Sar gritty+pa-md gn+sil'd+qtz strgs+bx'd QVns+dk gn chl healed frcts+1-3%fg d py			4.37	*4.370*				
	91.00	92.00	880	1.00	Sar grittyqtz arenite+occ'lred jasper grit+pa-mdgn+sil'd+qtz strgs+bx'd qtzstrgs+chlfrcts+1%fg py			0.207	*0.207*				
	92.00	93.00	881	1.00	Sar grittyqtz arenite+occ'lred jasper grit+pa-mdgn+sil'd+qtz strgs+bx'd qtzstrgs+chlfrcts+1%fg py			0.097	*0.097*				
	93.00	94.00	882	1.00	Sar grittyqtz arenite+occ'lred jasper grit+pa-mdgn+sil'd+qtz strgs+bx'd qtzstrgs+chlfrcts+1%fg py			0.162	*0.162*				
	94.00	95.00	883	1.00	Sar grittyqtz arenite+occ'lred jasper grit+pa-mdgn+sil'd+qtz strgs+bx'd qtzstrgs+chlfrcts+1%fg py			0.23	*0.230*				
CDN-CM-28	STD		884					1.29					
	95.00	96.00	885	1.00	Sar fggritty qtzaren+bleach'd+pa yellogn fuchsiticser filamnts+20cm QV@60TCA 95.2m+chl1%py		1.07/6.65m	0.681	*0.681*				
	96.00	97.00	886	1.00	Sar fggritty qtzaren+bleach'd+pa yellow gn fuchsiticser filamnts+qtz strgs+chl frcts+trc-1%fg d py			0.006					
	97.00	98.00	887	1.00	Sar fggrittyqtzaren+bleach'dsil'd+payellowgn fuchsiticser filamnts+qtz strgs+chl frcts+trc-1%fg py			< 0.005					
	98.00	99.00	888	1.00	Sar fggrittyqtzaren+bleach'dsil'd+payellowgn fuchsiticser filamnts+qtz strgs+chl frcts+trc-1%fg py			< 0.005					
	99.00	100.00	889	1.00	Sar fgaphanqtzaren+bleach'dsil'd+payellowgn fuchsiticser filamnts+qtz strgs+chl frcts+trc fg py			< 0.005					
	100.00	101.00	890	1.00	Sar fgaphanqtzaren+bleach'dsil'd+payellowgn fuchsiticser filamnts+qtz strgs+chl frcts+trc fg py			0.008					
	101.00	102.00	891	1.00	Sar pagrygn+sil'd+chl frcts+serwispy filaments+qtz strgs+trc-1% fg d py			0.02					
	102.00	103.00	892	1.00	Sar pagrygn+sil'd+chl frcts+serwispy filaments+qtz strgs+trc-1% fg d py			0.078					
	103.00	103.50	893	0.50	Apdk pa gn narrow fsp porph dk+dkgn chl alt'd fuchsitic ser porph text+sil'd+chl frcts+trc py			< 0.005					
	103.50	104.00	894	0.50	Apdk pa gn narrow fsp porph dk+dkgn chl alt'd fuchsitic ser porph text + sil'd+chl frcts+trc py			0.007					
	104.00	104.80	895	0.80	Apdk pa gn narrow fsp porph dk+dkgn chl alt'd fuchsitic ser porph text+sil'd+chl frcts+trc py			< 0.005					
	104.80	105.25	896	0.45	Apdk chilled fg U&Lctsat 103.0& 105.25m; pa gn as above " "			< 0.005					
	105.25	106.25	897	1.00	Sar pagrygn+sil'd+chl frcts+serwispy filaments+qtz strgs+trc-1% fg d py			0.471	*0.471*				
	106.25	107.25	898	1.00	Sar pagrygn+sil'd+chl frcts+serwispy filaments+qtz strgs+trc-1% fg d py			0.082	*0.082*				
	107.25	108.25	899	1.00	Scgl pa-md gry tan-bleach'd strg pervas sil'd-qtz strgs lacy threadlike strgs+chl frcts+trc-2%fg d py		0.29/3.0m	0.32	*0.320*				
	108.25	109.00	900	0.75	Scgl mdgrygn gritty to granular matrx+occ'l pebls+qtz strgs pervas sil'd+trc-1% fg d py			0.039					
	109.00	110.00	901	1.00	Scgl mdgrygn gritty to granular matrx+occ'l pebls+qtz strgs pervas sil'd+trc-1% fg d py			< 0.005					
	110.00	111.00	902	1.00	Scgl mdgrygngrittygranular+bleach'd tanmatrx+increasesmallpebls+qtzstrgspervas sil'd+1%fg py			0.048					
	111.00	112.00	903	1.00	Scgl mdgrygngrittygranular+bleach'd tanmatrx+increasesmallpebls+qtzstrgspervas sil'd+1%fg py			0.005					
	112.00	113.00	904	1.00	Scgl as above " " +occ'l cse cobbles+small pebs & granules+qtz strgs+trc-1%fg d py			< 0.005					
CDN-CM-43	STD		905					0.315					
	113.00	114.00	906	1.00	Scgl as above " " +occ'l cse cobbles+small pebs & granules+qtz strgs+trc-1%fg d py			0.008					
	125.50	126.50	907	1.00	Sar shear foliated@30TCA+ yellow ser wisps&filaments+trc py			0.01					
	126.50	127.50	908	1.00	Sar cut by 40cm qtz ank vn & strgs@30-40TCA+qtzankcal thin strgs+trc-1% fg d py			0.022					
	127.50	128.50	909	1.00	Sar cut by 20cm qtz ank vn & strgs@20-30TCA+thin 0.25-1cm qtzankcal strgs+trc-1% fg d py			0.012					
IMGW 19-05	35.00	35.85	997	0.85	Sar marroon brn+fg gritty arkosic with hem+pervas interstit cal+cal strgs+nil py			0.005					
	35.85	36.40	998	0.55	Apdk pagrygn-yellowgn+wk'GC'alt'd fuchsiticser+wkpervasinterstcal+calstrgs+fspxlls+chl+trc py			0.111					
	36.40	37.40	999	1.00	Apdk pagrygn-yellowgn+wk'GC'alt'd fuchsiticser+wkpervasinterstcal+calstrgs+fspxlls+chl+trc py			0.031					
	37.40	38.40	1000	1.00	Apdk pagrygn-yellowgn+wk'GC'alt'd fuchsiticser+wkpervasinterstcal+calstrgs+fspxlls+chl+trc py			0.015					
	38.40	39.40	1001	1.00	Apdk pagrygn-yellowgn+wk'GC'alt'd fuchsiticser+wkpervasinterstcal+calstrgs+fspxlls+chl+trc py			0.015					
	39.40	40.40	1002	1.00	Sar marroon brn+fg arkosic grit & granules with hem+pervas interstit cal+cal strgs+nil py			0.007					
BLK	BLK		1003					< 0.005					

	45.25	46.25	1004	1.00	Sar md gnbrn to md gn+fg gritty Sar cut by cal strgs+nil py			< 0.005				
	46.25	47.00	1005	0.75	Sar wk-mod 'GC' alt'd + pa-md gn locy bleach'd pa gn near qtz-ank strg vnlets + trc py			0.15				
	47.00	48.00	1006	1.00	Sar wk-mod 'GC' alt'd + pa-md gn locy bleach'd pa gn near qtz-ank strg vnlets + trc py			0.027				
	48.00	48.70	1007	0.70	Sar wk-mod 'GC' alt'd + pa-md gn locy bleach'd pa gn near qtz-ank strg vnlets + trc py			0.006				
	48.70	49.30	1008	0.60	Sar mod-strg'GC'alt'd+pagn to yellowgn fuchsiticser+bleach'd+sil'd+qtzank strgs+chlfrcts+trc py			0.005				
	49.30	50.00	1009	0.70	Sar mod-strg'GC'alt'd+pagn to yellowgn fuchsiticser+bleach'd+sil'd+qtzank strgs+chlfrcts+trc py			0.028				
	50.00	51.00	1010	1.00	Sar mod-strg'GC'alt'd+pagn to yellowgn fuchsiticser+bleach'd+sil'd+qtzank strgs+chlfrcts+trc py			0.106	*0.1060*			
	51.00	52.00	1011	1.00	Sar mod-strg'GC'alt'd+pagn to yellowgn fuchsiticser+bleach'd+sil'd+qtzank strgs+chlfrcts+trc py			0.262	*0.2620*			
	52.00	53.00	1012	1.00	Sar mod alt'd+pagn to patchy strgs+bleach'd+sil'd+qtzank strgs+chlfrcts+trc py			0.463	*0.4630*			
	53.00	54.00	1013	1.00	Sar wk to mod alt'd+pa-mdgn to patchy strgs+bleach'd+sil'd+qtzank strgs+chlfrcts+trc py			0.106	*0.1060*			
	54.00	54.70	1014	0.70	Sar wk to mod alt'd+pa-mdgn to patchy strgs+bleach'd+sil'd+qtzank strgs+chlfrcts+trc py			0.12	*0.0840*			
	54.70	55.45	1015	0.75	Sar wk to mod alt'd+pa-mdgn to patchy strgs+bleach'd+sil'd+qtzank strgs+chlfrcts+trc py			0.09	*0.6750*			
	55.45	56.00	1016	0.55	Apdk mdgrygn to gry tan+wk bleach'd+qtzank strgs+trc-1% fg d py			0.496	*0.2728*			
	56.00	56.75	1017	0.75	Apdk mdtan-mdgrygn+fg incls granular gritty Sar+wk bleach'd+sil'd+pervas cal+qtzankstrgs+trc py			0.07	*0.0525*			
CDN-CM-28	STD		1018					1.67				
	56.75	57.25	1019	0.50	Sar pa-md gn,fg+ser+sil'd+qtz strgs+qtz ank strgs +trc-1% fg d py			0.084	*0.0420*			
	57.25	57.75	1020	0.50	Sar md grygn,fg gritty granular+sil'd+qtz&qtz ank strgs+patchyyellow ser+trc-1% fg d py		0.195/7.75m	0.103	*0.0515*			
	57.75	58.25	1021	0.50	Sar md grygn,fg gritty granular+sil'd+qtz&qtz ank strgs+patchyyellow ser+trc-1% fg d py			0.018				
	58.25	58.75	1022	0.50	Sar md grygn,fg gritty granular+sil'd+qtz&qtz ank strgs+patchyyellow ser+trc-1% fg d py			0.041				
	58.75	59.30	1023	0.55	Sar +sil'd+qtz&qtz ank strgs+trc fg d py+minor Apdk 20cm 58.8-59.0m as seen above			0.034				
	59.30	59.95	1024	0.65	Sar md gry +sil'd, hard+qtz strgs + 2% fg d py			0.023				
BLK	BLK		1025					< 0.005				
	59.95	60.80	1026	0.85	Sar md gry +wk sil'd, wk cal strgs+qtz ank strgs + trc fg d py			0.265				
	60.80	61.80	1027	1.00	Sar md gry +wk sil'd, wk cal strgs+qtz ank strgs + trc fg d py			0.005				
	61.80	62.80	1028	1.00	Sar md gry +wk sil'd, wk cal strgs+qtz ank strgs + trc fg d py			0.014				
	62.80	63.30	1029	0.50	Sar md gry +wk sil'd, wk cal strgs+qtz ank strgs + trc fg d py			0.088				
	63.30	64.00	1030	0.70	Sar md gry +wk sil'd, wk cal strgs+qtz ank strgs + trc fg d py			0.086				
	64.00	65.00	1031	1.00	Sar md gry +wk sil'd, wk cal strgs+qtz ank strgs + trc fg d py			0.015				
	65.00	65.50	1032	0.50	Sar md gry +wk sil'd, wk cal strgs+qtz ank strgs + trc fg d py			0.006				
	65.50	66.10	1033	0.60	Sar mdgry+wksil'd+wkcal+qtzank strgs+trc fgd py+shear fault ser-cal gg 65.5-65.6m@30-35TCA			0.011				
	66.10	67.00	1034	0.90	Sar -66.75m as above 65.0-65.5m + Scgl -67.0m polymict clast supported md-dk gn matrix trc py			0.008				
	67.00	68.00	1035	1.00	Scgl polymictic pink reddish clast supported dkgn to bleach'd gry matrix+qtz ank strg+trc d py			0.05				
	68.00	69.00	1036	1.00	Scgl polymictic pink reddish clast supported dkgn to bleach'd gry matrix+qtz ank strg+trc d py			0.068	*0.068*			
	69.00	70.00	1037	1.00	Scgl polymictic pink reddish clast supported dkgn to bleach'd gry matrix+qtz ank strg+trc d py			0.341	*0.341*			
	70.00	70.95	1038	0.95	Scgl polymictic pink reddish clast supported dkgn to bleach'd gry matrix+qtz ank strg+trc d py		0.158/2.95m	0.061	*0.058*			
	70.95	72.00	1039	1.05	Sar brn hem arkosic+wk cal chl strgs+ barren to trc py			0.013				
CDN-CM-43	STD		1040					0.274				
	80.00	81.00	1041	1.00	Sar buff tan+bleached+trc py			0.019				
	81.00	82.00	1042	1.00	Sar buff tan+bleached+trc py			0.059				
	82.00	82.60	1043	0.60	Sar md-pa gn tan+bleached+trc py			0.021				
	82.60	83.60	1044	1.00	Qtz ank Vn+ trc py			0.018				

	83.60	84.60	1045	1.00	Sar qtz ank vnlets + trc to patchy d py			0.011				
	86.00	87.00	1046	1.00	Scgl polymictic+bleach'd pa-md gn+trc py			0.008				
	87.00	88.00	1047	1.00	Scgl brn+qtz ank strgs+trc d py			0.08				
	88.00	89.00	1048	1.00	Scgl 0.25m + Sar 0.75m; +trc fg d py			0.022				
BLK	BLK		1049					< 0.005				
	98.00	99.00	1050	1.00	Scgl csepolymic+md-pagnbleach'dmatrix+csepinkred felsicintrus cobsbldrs+redjasperpebls+trc py		0.714/1.0m	0.714	*0.714*			
	99.00	100.00	1051	1.00	Scgl csepolymic+md-pagnbleach'dmatrix+csepinkred felsicintrus cobsbldrs+redjasperpebls+trc py			0.015				
	100.00	101.00	1052	1.00	Scgl csepolymic+md-pagnbleach'dmatrix+csepinkred felsicintrus cobsbldrs+redjasperpebls+trc py			0.031				
	101.00	102.00	1053	1.00	Scgl csepolymic+md-pagnbleach'dmatrix+csepinkred felsicintrus cobsbldrs+redjasperpebls+trc py			0.015				
	102.00	103.00	1054	1.00	Scgl csepolymic+md-pagnbleach'dmatrix+csepinkred felsicintrus cobsbldrs+redjasperpebls+trc py			0.126	*0.1260*			
	103.00	104.00	1055	1.00	Scgl csepolymic+md-pagnbleach'dmatrix+csepinkred felsicintrus cobsbldrs+redjasperpebls+trc py			6.13	*6.1300*			
	104.00	104.80	1056	0.80	Scgl csepolymic+md-pagnbleach'dmatrix+csepinkred felsicintrus cobsbldrs+redjasperpebls+trc py			0.13	*0.1040*			
	104.80	105.60	1057	0.80	Sar pa tan gry+bleach'd sil'd+qtz ank strgs+chl frcts+ trc d py			0.031	*0.0025*			
	105.60	106.60	1058	1.00	Scgl csepolymic+md-pagnbleach'dmatrix+csepinkred felsicintrus cobsbldrs+redjasperpebls+trc py		1.43/4.6m	0.193	*0.1930*			
	106.60	107.40	1059	0.80	Scgl csepolymic+md-pagnbleach'dmatrix+csepinkred felsicintrus cobsbldrs+redjasperpebls+trc py			0.024				
	107.40	108.00	1060	0.60	Apdk pa md gn bleach'd+qtz threadlike strgs+trc rare d py			0.014				
	108.00	108.75	1061	0.75	Scgl polmicsil'd+qtzankstrgs+2pamdgnApdk10cm@108.1m75/55cts&30cm@108.45m irreg+trcpy			0.056				
CDN-CM-28	STD		1062					1.28				
	108.75	109.40	1063	0.65	Scgl csepolmic sil'd+qtzankstrgs+2pamdgnApdk10cm@108.75m irregcts&109.15m40/60cts+trcpy			0.05				
	109.40	109.85	1064	0.45	Sar buff tan gry+sil'd+chlfrcts;+Apdk 10cm@109.75m50/60cts with 6cm marroon mgt core			0.022				
	109.85	110.40	1065	0.55	Scgl csepolymic+mdgn-bleach'd pagrygnmatrix+calstrgs+as prev cobsbldrs+redjasperpebls+trc py			0.019				
	110.40	111.40	1066	1.00	Scgl csepolymic+mdgn-bleach'd pagrygnmatrix+calstrgs+as prev cobsbldrs+redjasperpebls+trc py			0.014				
	111.40	112.40	1067	1.00	Scgl csepolymic+mdgn-bleach'd pagrygnmatrix+calstrgs+as prev cobsbldrs+redjasperpebls+trc py			0.011				
	128.00	129.00	1068	1.00	Sar mudtsone fg pa-md gn mdst with lamellae layers +trc cal strgs + trc fg d py			0.006				
	129.00	129.45	1069	0.45	Scgl +md dk gn matrix+sil'd+cal strgs+trc fg d py			0.015				
	129.45	130.40	1070	0.95	Sar mudtsone fg pa-md gn mdst+lamellae layers+qtzank strgs & patches+cal strgs+ trc fg d py			0.008				
BLK	BLK		1071					< 0.005				
	130.40	131.00	1072	0.60	Sar gw +wk 'GC'+qtzank strgs with wk bleach'd patches pagn fuchsitic ser+trc fg d py			0.006				
	131.00	132.00	1073	1.00	Sar gw +wk 'GC'+qtzank strgs with wk bleach'd patches pagn fuchsitic ser+trc fg d py			0.005				
	132.00	133.00	1074	1.00	Sar gw +wk 'GC'+qtzank strgs with wk bleach'd patches pagn fuchsitic ser+trc fg d py			0.006				
	133.00	134.00	1075	1.00	Sar gw +mod 'GC'+qtzank strgs mod bleach'd patches pagn fuchsitic ser+chl frcts+trc fg d py			0.009				
	134.00	135.00	1076	1.00	Sar gw +mod 'GC'+qtzank strgs mod bleach'd patches pagn fuchsitic ser+chl frcts+trc fg d py			0.009				
	135.00	136.00	1077	1.00	Sar gw +mod 'GC'+qtzank strgs mod bleach'd patches pagn fuchsitic ser+chl frcts+trc fg d py			0.005				
	136.00	137.00	1078	1.00	Sar gw +mod 'GC'+ as above " " trc fg d py; + 10 cm mdst lamellae -136.9m			< 0.005				
	142.20	143.20	1079	1.00	Sar mdst +cal strgs+pervas interstitial cal+wispy filaments tan ser+trc fg d py			0.013				
	143.20	144.10	1080	0.90	Sar mdst +wk cal strgs+strong pervas interstitial cal+mod wispy filaments buff tan ser+trc fg d py			0.027				
	144.10	144.70	1081	0.60	Sar mdst +wk cal strgs+strong pervas interstitial cal+mod wispy filaments buff tan ser+trc fg d py			0.071				
	145.00	146.10	1082	1.10	Sar mdst +wk cal strgs+strong pervas interstitial cal+mod wispy filaments buff tan ser+trc fg d py			0.094				
	146.50	147.00	1083	0.50	Sar mdst +wk cal strgs+strong pervas interstitial cal+mod wispy filaments buff tan ser+trc fg d py			0.141	*0.0705*			
CDN-CM-43	STD		1084					0.284				
	147.00	147.80	1085	0.80	Sar mdst +wk cal strgs+strong pervas interstitial cal+mod wispy filaments buff tan ser+trc fg d py		0.19/1.3m	0.224	*0.1792*			

BLK	BLK		1086					0.008				
	178.00	179.00	1087	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.019				
	179.00	180.00	1088	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.008				
	180.00	181.00	1089	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.007				
	181.00	182.00	1090	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.009				
	182.00	183.00	1091	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.049				
	183.00	184.00	1092	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.093				
	184.00	185.00	1093	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.036				
	185.00	186.00	1094	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.029				
	186.00	187.00	1095	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.013				
	187.00	188.00	1096	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.02				
	188.00	189.00	1097	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.03				
	189.00	190.00	1098	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.01				
	190.00	191.00	1099	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.021				
	191.00	192.00	1100	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.137				
	192.00	193.00	1101	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.067				
	193.00	194.00	1102	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.017				
	194.00	195.00	1103	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.068				
	195.00	196.00	1104	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.014				
	196.00	197.00	1105	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.015				
	197.00	198.00	1106	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.028				
CDN-CM-28	STD		1107					1.23				
	198.00	199.00	1108	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.042				
	199.00	200.00	1109	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.007				
	200.00	201.00	1110	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.016				
	201.00	202.00	1111	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.014				
	202.00	203.00	1112	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.011				
BLK	BLK		1113					< 0.005				
	203.00	204.00	1114	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.045				
	204.00	205.00	1115	1.00	Scglpolymic+jasper" " +trc py as above;+10cm qtzankchl vn 204.5m@30TCA+10cm ser 204.7m			0.07				
	205.00	206.00	1116	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl ser+trc py			0.149				
	206.00	207.00	1117	1.00	Scglpolymic+jasper pebbles " " "+ trc py as above; +patchy tan ser			0.01				
	207.00	208.00	1118	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl+tan ser+trc py			0.21				
	208.00	209.00	1119	1.00	Scglpolymic+jasperpebs+blch'dmodpamdgntan+calstrgs&pervas+qtzankstrgs+chl+tan ser+trc py			0.064				
	209.00	210.00	1120	1.00	Scgl polymic+jasperpebs+dk gn+cal qtz strgs & cal threads strgs+chl+trc py			0.02				
	210.00	211.00	1121	1.00	Scgl polymic+jasperpebs+dk gn+cal qtz strgs & cal threads strgs+chl+trc py			0.064				
	211.00	212.00	1122	1.00	Scgl polymic+jasperpebs+dk gn+cal qtz strgs & cal threads strgs+chl+trc py			0.016				
	212.00	212.80	1123	0.80	Scgl polymic+jasperpebs+dk gn+cal qtz strgs & cal threads strgs+chl+trc py			0.022				
	221.00	222.00	1124	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.012				
	222.00	223.00	1125	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.012				
	223.00	224.00	1126	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.011				

	224.00	225.00	1127	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.022				
	225.00	226.00	1128	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.031				
CDN-CM-43	STD		1129					0.277				
	226.00	227.00	1130	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.022				
	227.00	228.00	1131	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.025				
	228.00	229.00	1132	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.014				
	229.00	230.00	1133	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.015				
	230.00	231.00	1134	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.011				
BLK	BLK		1135					< 0.005				
	231.00	232.00	1136	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.043				
	232.00	233.00	1137	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.018				
	233.00	234.00	1138	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.018				
	234.00	235.00	1139	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.008				
	235.00	236.00	1140	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.013				
	236.00	237.00	1141	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.01				
	237.00	238.00	1142	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.006				
	238.00	239.00	1143	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.01				
	239.00	240.00	1144	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.043				
	240.00	241.00	1145	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.006				
	241.00	242.00	1146	1.00	Scgl csepolymic " " as above;+at 241.2-241.8m QFPorph dk mdpinktan+calchl strgs/frcts+trc py			0.009				
	242.00	243.00	1147	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.051				
	243.00	244.00	1148	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.011				
	244.00	245.00	1149	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.014				
	245.00	246.00	1150	1.00	Scgl csepolymic+jasperpebscobs+wkmdgnbleach'dmatrix+qtzank&calstrgspervas+chlfrct+trc py			0.011				
CDN-CM-28	STD		1151					1.49				
	246.00	247.00	1152	1.00	Scgl csepolymic as above;+QFP dks 246.35-246.5m&246.8-247.0m-mdpinktan+calchl strg+trc py			0.014				
BLK	BLK		1153					< 0.005				
	247.00	248.00	1154	1.00	Scgl csepolymic as above;+QFP dks 247.0-247.1m&247.5-248.0m-mdpinktan+calchl strg+trc py			0.011				
	248.00	249.00	1155	1.00	QFPdk,qtzfspporphyry+md pinkish tan to marroon to yellow tan+sil'd+ser+wkcal+chl frcts+trc py			0.01				
	249.00	250.00	1156	1.00	QFPdk,qtzfspporphyry+md pinkish tan to marroon to yellow tan+sil'd+ser+wkcal+chl frcts+trc py			0.01				
	250.00	251.00	1157	1.00	QFPdk,qtzfspporphyry+md pinkish tan to marroon to yellow tan+sil'd+ser+wkcal+chl frcts+trc py			0.049				
	93.85	95.00	1158	1.15	Scgl dk gn bn to blk+qtz cal strgs+trc fg d py			0.087				
	95.00	96.00	1159	1.00	Scgl dk gn bn to blk+qtz cal strgs+trc fg d py			0.012				
	96.00	97.00	1160	1.00	Scgl dk gn bn to blk+qtz cal strgs+trc fg d py			0.034				
	97.00	98.00	1161	1.00	Scgl dk gn bn to blk+qtz cal strgs+trc fg d py			0.020				
	117.00	118.00	1162	1.00	Sar +ser filaments foliated 117.2-117.7m+trc py			0.015				
					END OF SAMPLE DATA SET							
	0.00		1163	0.00								
	0.00		1164	0.00								
	0.00		1165	0.00								
	0.00		1166	0.00								

	0.00		1167	0.00								
	0.00		1168	0.00								
	0.00		1169	0.00								

	0.00		1170	0.00								
	0.00		1171	0.00								
	0.00		1172	0.00								
	0.00		1173	0.00								
	0.00		1174	0.00								
	0.00		1175	0.00								
	0.00		1176	0.00								
	0.00		1177	0.00								
	0.00		1178	0.00								
	0.00		1179	0.00								
	0.00		1180	0.00								
	0.00		1181	0.00								
	0.00		1182	0.00								
	0.00		1183	0.00								
	0.00		1184	0.00								
	0.00		1185	0.00								
	0.00		1186	0.00								
	0.00		1187	0.00								
	0.00		1188	0.00								
	0.00		1189	0.00								
	0.00		1190	0.00								
	0.00		1191	0.00								
	0.00		1192	0.00								
	0.00		1193	0.00								
	0.00		1194	0.00								
	0.00		1195	0.00								
	0.00		1196	0.00								
	0.00		1197	0.00								
	0.00		1198	0.00								
	0.00		1199	0.00								
	0.00		1200	0.00								
	0.00			0.00								
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Alteration

Hole ID	From	To	Alteration	Colour	Intensity	Angle
	meters	meters	chl-ser-qtz-sil-cal-ank-hem etc	pa-md-dk gn gry yellow etc	wk-str	deg
IMGW 19-01	3.00	30.80	pervasive interstitial & strg cal-wk chl	gry white & pink cal, chl gn slips	str	
	30.80	31.10	pervasive interstitial & strg qtz cal-wk chl	cloudy white	wk	35
	31.10	47.20	pervasive interstitial & strg cal-wk chl	gry white & pink cal, chl gn slips	str cal	
	47.20	58.05	sil-fuchsitic ser-qtz vn +py 56.1-56.8m	vibrant gn fuchsitic "carb zone"	str	40-45
	58.05	61.20	fuchsitic ser-sil-qtzcal strgs-bleached	pa gn - pinkish marroon	mod	
	61.20	68.20	sil wk-qtz strgs-wk calstrgs	pa gn - pinkish marroon	mod	
	68.20	70.00	qtz-cal thin strgs-locy bleached-ser	buff tan	wk-mod	
	70.00	71.20	chl-fuchsitic ser-cal strgs threads	pa gn-yellow gn	wk	
	71.20	72.85	chl-fuchsitic ser-qtz wk cal strgs threads	md gn	wk	
	72.85	73.45	qtz vn bxd+ py-fuchsitic ser	vibrant gn	wk-mod	
	73.45	85.00	qtz strgs-bleached-pa vibrant gn fuchsitic ser	pa-vibrant gn	wk-mod	
	85.00	87.95	wk qtz-cal strgs	gry white	wk	
	87.95	89.30	sil-bleached	pa gn - buff	mod	
	89.30	89.70	QV+ py-sil'd	gry white-white	str	
	89.70	92.30	bleached-qtz strgs-sil'd	buff tan-pa gry	str	
	92.30	94.80	wk qtz-cal strgs	pa gry gn	wk	
	94.80	97.40	qtz strgs sil'd-wk cal strgs	buff tan-pa gn	mod	
	97.40	100.20	wk qtz-cal strgs	pa gry gn	wk	
	100.20	109.50	qtz-cal strgs	md gn	wk	
	109.50	118.40	chl-cal strgs	md gn	mod	
	118.40	125.50	cal-chl-sil'd-py	md gry gn	mod	
	125.50	129.80	pervas interstitial & strgs cal	md gn	str	
	129.80	136.20	chl-wk hem-wk qtz strgs-ser-(no cal)	pa-md gn		
	136.20	139.60	chl-ser-ser-py	buff tan	str	
	139.60	148.00	sil-hem-chl-py-ser	red-md pink tan-buff tan	str	
	148.00	154.00	wk qtz-cal strgs-wk chl	md gry gn	wk	
	154.00	156.20	wk qtz-cal strgs-wk py-locy bleached	pa-md pink locy bleached	wk	
	156.20	159.50	qtz-cal strgs, trc mgt wkly magnetic	md gn	wk	
	159.50	175.00	qtz-cal strgs,cal spots	md gn	wk	
	175.00	194.00	sil'd-qtz strg-wk fuchsitic ser-py-chl-cal frcts	bleached pa gn-buff tan-gry white	mod-str	
	194.00	197.80	cal-chl-qtz wk bleached	md buff tan-tan gn	wk	

Alteration

	197.80	199.40	qtz strgs-py-bleached	buff tan-pa pink tan	mod	
	199.40	204.00	qtz-cal thin strgs	md tan brn-gn	mod	
	204.00	207.00	qtz-cal strgs & vns-cal-cse blebs Cpy	md pink -brick red	str	
	207.00	210.05	qtz strgs wk chl, bleached	pa pink - pa olive gn	str	
	210.05	214.65	qtz-cal strgs	marroon-pink	mod	
	214.65	215.40	wk chl-bleached	pa olive gn	mod	
	215.40	223.50	qtz strgs py-wk cal strgs	pink-marroon	mod	
	223.50	229.35	chl-cal	md-dk gn	wk	
	229.35	251.00	wk cal strgs-trc epidote-mgt	dk gn	wk	
IMGW 19-02	3.20	12.10	cal-qtz strgs-patchy pervas cal-limonite frcts	md gn	wk	
	12.10	22.90	sil-fuchsitic ser-qtz strgs vn @60-70 +py	pa-vibrant gn fuchsitic"carb zone"	str	40-45
	22.90	23.00	sil-fuchsitic ser-qtz strgs vn @60-70 +py	vibrant gn fuchsitic "carb zone"	str	cts @ 75
	23.00	23.15	sil-fuchsitic ser-qtz strgs vn @60-70 +py	vibrant gn fuchsitic "carb zone"	str	
	23.15	25.95	bleached-qtz strgs-sil'd-wk mgt-chl frcts	md-buff tan pa-md gry, dk gn chl	mod	
	25.95	26.55	cal-qtz strgs-bleached-dk gn chl frcts	buff tan-yellow	mod-str	35
	26.55	32.35	cal strgs - wk qtz	white cal md grn arenite	mod-str	45 layering
	32.35	37.00	wk cal strgs-wk hem 33.9-35.05m	md gn narrow marron hem	mod	30-35 TCA
	37.00	40.20	cal strgs & vnlets	md gn to white cal	mod	
	40.20	42.30	wk cal strgs	md dirty gn aren gw	wk	
	42.30	44.95	wk cal strgs	md dirty gn cgl	wk	
	44.95	58.40	wk cal strgs	md dirty gn aren gw	wk	
	58.40	59.40	chl-ank	white - pa-lt gn	wk	
	59.40	61.85	chl-sil-ank	white-md gn	wk	
	61.85	62.90	cal-chl	md gn	wk	
	62.90	63.20	cal strgs- pervas interstitial	md tan gn	mod	
	63.20	72.30	cal-chl strgs	md gn	wk	
	72.30	73.30	cal pervs-hem patches-mgt	md gn - marroon	str	
	73.30	84.50	cal pervas & strgs & vnlets	md-dk gn	mod	
	84.50	86.20	cal pervas-qtz ank-ser wisps filamts-chl frct	md gn bleached pa yellow	mod	30
	86.20	87.35	sil-chl-trc cal-py	pa-lt gry	str	
	87.35	88.70	cal extremely pervasive interstitial	md gry	v str	
	88.70	91.70	sil-chl-trc cal-py	pa-lt gry	str	
	91.70	91.90	chl-cal FAULT gg	md gn	v str	35
	91.90	97.00	cal wk pervas-cal strgs-mgt(wk-mod)	md-dk gn	wk	

Alteration

	97.00	100.80	cal-qtz strgs wk	md-dk gn	wk	
	100.80	101.20	cal pervas interstitial	md gn	mod	
	101.20	112.60	cal strgs & wk pervas-wk sil-chl-mgt	md-dk gn	wk	
	112.60	117.55	hem-sil qtz strgs-ank-wk mgt-trc py-cpy	pinkish reddened-buff tan	mod-str	
	117.55	119.45	chl flecks-wk reddish hem rims on qtz grains	bleached pa gn	wk	
	119.45	121.50	hem-sil-qtz strgs+ank-10 cm qvpy-trccpy	pinkish red-buff tan	v str	
	121.50	125.00	sil qtz strgs-ank-wk mgt	md gn-bleached buff tan	v str	
	125.00	144.60	qtz-ank strgs-sil-pa tan ser-chl+cal frcts	reddened-pa pink-patchy buff tan	v str	
	144.60	165.50	sil qtz strgs-wk bleachd-cal strgs & pervas	md-dk gn	wk	
	165.50	178.00	cal strgs-mgt mod mag	md-dk gn	wk	
	178.00	213.00	cal-chl wk-qtz ank strgs-bleachd pa gry pink	md-dk gn	wk	
	213.00	214.20	cal strgs threads-wk qtz strgs-chl-sil	dk gn	mod-str	
	214.20	217.30	chl-cal-qtz strgs threads, hornfelsic sil'd, py	md red brn-dk brn	str	
	217.30	217.80	cal threads & interstitial cal-chilled cts	md-dk olive gn	mod	
	217.80	219.00	sil'd-chl strgs-ser wisps-wk hem-hornfelsic	pa pink tan-yellow tan	str	
	219.00	221.35	sil'd-chl strgs-ser wisps-hornfelsic baked	pa yellow gry	str	
	221.35	221.90	mod pervas interstit cal-threadlike cal strgs	md-dk olive gn	mod	
	221.90	223.95	sil'd-hornfelsic-chl frct strgs-pebble incls	pa gry gn Sar- md gn ScglC	str	
	223.95	225.00	cal pervas interst-minor cal strgs & threads	md-dk olive gn	mod	
	225.00	233.00	cal thread-like strgs	md-dk gn	wk	
	233.00	251.00	wk cal strgs-patchy epidote strgs & patches	md-dk gn	wk	
IMGW 19-03	4.60	10.60	cal strgs+pervas-chl	md-dk gn	mod-str	
	10.60	17.00	cal strgs+pervas-chl-wk hem	md-dk brn gn	mod-str	
	17.00	20.20	cal strgs+pervas-chl-wk hem	md-dk brn gn	mod-str	
	20.20	21.10	wk cal strgs+pervas-wk chl-mgt	md-dk gry gn	wk-mod	
	21.10	21.55	bleached cal-trc py	pa gry tan	str	25-55
	21.55	24.70	cal strgs+pervas-chl-hem	md-dk brn gn	mod-str	40
	24.70	26.90	cal strgs+pervas-chl	md-dk gn	mod-str	
	26.90	27.50	fuchsitic ser-cal strgs	vibrant gn fuchsitic GC zone	str	50
	27.50	29.30	cal strgs+pervas-chl	md gry gn	mod-str	
	29.30	29.50	fuchsitic ser-cal strgs	vibrant gn fuchsitic GC zone	str	50
	29.50	31.70	cal strgs+pervas-chl	pa-md gry gn	mod-str	
	31.70	36.85	fuchsitic ser-ank strgs-sil	pa gn-vibrant gn fuchsitic GCzone	mod-str	50
	36.85	38.40	wk cal strgs-wk chl-ank	pa-md gn	mod	

Alteration

	38.40	41.50	ank-sil strgs-fuchsitic ser Gczone	pa-vibrant gn	str	45-50
	41.50	42.75	ank-sil strgs-chl wisps,strgs & frcts	pa tan gn	str	
	42.75	48.25	ank-sil strgs-wk chl wisps & strgs	pa-md gn to patchy pa-md tan	str	
	48.25	50.60	ank-sil-chl strgs, wk hem-wk ser	md olive gn	mod-str	50-60
	50.60	55.20	fuchsitic ser-ank strgs-sil-chl-py GC zone	pa yellow gn-vibrant gn GCzone	v str	30-40
	55.20	57.85	ank-sil-chl-wk ser	pa-md gn	mod	35
	57.85	58.90	fuchsitic ser-ank strgs-sil-chl	buff tan-wk vibrant gn GC zone	mod	35
	58.90	70.50	cal-chl-wk sil-ank	md gn	mod	
	70.50	71.50	sil pervas hard-ank-wk cal-wk chl wisps strg	md gry-md gry gn	str	
	71.50	72.20	sil-ank-cal	pa gn-buff tan gn	str	
	72.20	72.80	sil-ank-cal	pa gry	str	
	72.80	73.70	sil-ser-clay-wkchl cal- FLT BX Zone	pa gry tan	v str	25
	73.70	82.90	cal strgs-chl gash strgs	md gry gn	wk	
	82.90	84.25	sil-ank-wk cal	md gn	wk-mod	
	84.25	85.10	sil-chl strg-cal strgs	md gn	wk	
	85.10	85.35	wk sil-ank & cal	md gn	wk	
	85.35	89.90	wk sil-ank-cal & ser	md gn	wk	30
	89.90	106.10	cal strgs-wk chl-sil-ank	md gn	mod	
	106.10	106.85	cal strgs & pervas-wk chl	md gn	str	
	106.85	107.40	cal strgs & pervas + chl	md gn	str	35
	107.40	107.50	cal-chl strgs & pervas	md gn	str	
	107.50	108.70	cal strgs & pervas + chl	md gn - yellow gn	str	20
	108.70	108.95	cal-chl strgs & pervas	md gry gn	str	
	108.95	110.80	cal-chl strgs & pervas+1-3mm red hem grit	md gry gn	mod	
	110.80	112.30	chl-ser wispy filaments-wk cal strgs	md-dk gn to dk yellow gn	str	35
	112.30	117.60	cal strgs wk ser filam-sil-chl	md gn -locy pinkish	mod	
	117.60	118.20	sil'd qtz strgs-pervas cal-chl lined frcts-tr py	buff tan	str	
	118.20	118.85	cal strgs pervas-wk sil'd qtz strgs-chl frcts	md gry gn	str	
	118.85	119.85	cal-chl strgs & pervas+1-3mm red hem grit	md gn	str	
	119.85	120.40	cal strgs pervas-chl frcts-ser wisps filamts	md gry gn	str	25
	120.40	122.00	cal strgs pervas-chl frcts-ser wisps filamts	md-dk gry gn	str	25-40
	122.00	130.70	cal strgs+mod pervas cal-chl frcts-magnetite	dk gn	mod	
	130.70	130.90	str chl-clay-cal gg FAULT ZONE	dk gn	v str	15
	130.90	150.30	wk cal strgs pervas-chl frcts-wk qtz strgs-ser	md-dk gn	wk	

Alteration

	150.30	177.00	bleached cal-wk sil'd-qtz ank strgs-wk ser chl	md-pa gn	mod	
	177.00	182.50	as150.3m+cal-chl strgs+drker matrix+wk altn	md-dk gn matrix	wk	
	182.50	186.80	as150.3+cal bleached buff pinkish tan	pa-md gn to buf pink tan	wk-mod	
	186.80	190.30	as177.0m+cal-chl strgs+drker matrix+wk altn	md-dk gn	wk	
	190.30	192.50	as182.5m+wk-mod altn+cal bleach+qank chl	pa pink tan-md gn	wk-mod	
	192.50	195.70	as186.8m+wk altn+cal strgs	md-dk gn	wk	
	195.70	196.60	cal strgs & pervas interstitial	md gn	str	
	196.60	198.30	cal strgs & pervas interstitial	md gn	wk	
	198.30	200.70	sil'd-qtzstrg-hem-chl-wk ser-trc py	md-pa pink	wk	
	200.70	205.00	cal strgs & pervas interstitial	md gn	wk	
	205.00	206.50	sil'd-hem-bleach'd-chl frcts-qank cal chl strgs	pa-md pink to pink tan	mod	
	206.50	207.05	pervas ser,bleached, chl frcts, wk sil'd	pa-md yellow	str	
	207.05	210.00	wk bleach'd,wk sil'd, qank strgs, chl frcts	md gn	wk-mod	
	210.00	218.85	chl-cal strgs & pervas, wk qtz strgs	dk gn	wk-mod	
	218.85	219.50	cal pervasive interstitial + chl frcts	md gn	wk	
	219.50	220.80	sil'd-qtz strgs, wkly bleached	md gry gn	wk-mod	
	220.80	222.00	cal percasive interstitial+chl frcts	pa-md gn	str	
	222.00	222.50	cal strgs & pervas	md gn	wk	
	222.50	223.00	cal pervas, cal chl strgs wk	pa-md gn	str	
	223.00	224.30	wk chl-cal strgs	md gn	wk	
	224.30	227.40	cal chl strgs	md gn	mod	
	227.40	231.60	patchy pervas cal, sil'd, chl frcts	md-dk gn	wk-mod	
	231.60	232.10	wk chl frcts	md-dk gn	wk	
	232.10	233.50	wk sil'd qtz granules, wk chl frcts	md-dk gn	wk	
	233.50	233.80	wk sil'd, wk qtz strgs, chl frcts	md-dk gn	wk	
	233.80	236.10	wk sil'd, qtz strgs, chl frcts	dk gn	wk	
	236.10	237.15	wk cal-chl threads	dk gn	wk	
	237.15	251.00	chl-cal threadlike lined frcts+ dissem mgt	dk gn	wk	
IMGW 19-04	8.10	21.95	cal pervasive interstitial & strgs+chl	md-dk gn	str	
	21.95	22.65	cal pervasive interstitial & strgs+chl strgs	md gry gn	str	
	22.65	43.90	cal pervas interstitial & strgs+ser+chl strgs	md dk gn	str	
	43.90	88.65	cal pervas & strgs+magnetite+chl frcts	dk gn	str	
	88.65	89.30	ser-cal strgs-wk chl-wk sil+1% py	md dk yellow gn	str	
	89.30	90.05	ser-qtz strgs-bleached-chl frcts-wk py	md yellow gn	str	

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	90.05	95.10	sil'd-bleach'd-qtz strgs-ser-chl frcts-wk cal-py	str	str	
	95.10	103.10	sil'd-bleach'd-qtz strgs-ser-chl frcts	pa yellow gn	str	
	103.10	103.50	sil'd-bleach'd-chl cal frcts	pa yellow gn	str	
	103.50	104.80	sil'd-bleach'd-qtz strgs-chl cal frcts+1%py	pa yellow gry gn	str	
	104.80	105.25	sil'd-bleach'd-qtz strgs-chl cal frcts+1%py	pa yellow gry gn	str	
	105.25	107.25	sil'd-bleach'd-qtz strgs-wk chl frcts+1%py	pa yellow gry gn	str	
	107.25	108.25	str bleach'd sil'd-qtz strgs-wk chl frcts+2%py	pa-md gry tan	str	
	108.25	124.00	chl-qtz strgs-wk cal-wk ser	md gry gn	wk-mod	
	124.00	143.95	cal pervas& strgs-wk chl	md-dk gn	mod	
	143.95	145.70	sil'd str pervas-cal frctd bx-wk chl	pa-lt gry to buff tan	str	
	145.70	146.35	pervas interstitial cal - wk chl	md gry gn	mod	
	146.35	146.95	pervas interst cal-bx'd qtz vnlets-chl amphib	pa buff tan	str	
	146.95	155.95	wk-mod pervas interst cal-strgs-qtzcal strgs	md gry gn	wk-mod	
	155.95	165.40	wk pervas cal & cal chl strgs-dis magnetite	md-dk gn	wk	
	165.40	165.90	chl-cal-sil	md-dk gry gn	mod-str	
	165.90	167.20	chl-sil-cal	md gry gn	mod-str	
	167.20	167.80	chl-sil-wk cal	md gry gn	mod	
	167.80	174.65	str sil'd qtz flooding-wk chlqtz strgs-py	pa-md gry	str	
	174.65	177.55	pervas interst cal-qtz ank strgs- tr py	md gn	str	
	177.55	183.55	sil'd bleach'd-cal strgs-chl frcts+1%py	pa gry	str	
	183.55	184.70	pervasinterstit cal strgs-bleach'd-chl-fuchsitic	pa-md gn	mod	
	184.70	190.15	sil'd bleach'd-cal pervas strgs-chl frcts+py	pa gry-buff tan	str	
	190.15	191.50	chl frcts-pervas interst cal & strgs,wk hem	md gry tan	mod	
	191.50	192.65	sil'd bleach'd-cal pervas strgs-chl frcts+py	pa gry-buff tan	str	
	192.65	192.80	QV narrow gry white aphan qtz- chl frcts-py	foggy gry white	str	50
	192.80	192.85	pervasinterstit cal strgs-bleach'd-chl-fuchsitic	pa-md gn	mod	
	192.85	193.10	sil'd,chl frcts-py	pa buff tan to beige white	str	
	193.10	193.15	gry white aph massiv QV-chl lined frcts-py	foggy gry white	str	
	193.15	193.50	pervasinterstit cal strgs-bleach'd-chl-fuchsitic	pa-md gn	mod	
	193.50	193.75	foliated bx'dAp dk, sil'd, trc py	buff tan cream	str	50-70
	193.75	194.35	foliat'd bx'd-sil'd bleach'd,pervas strgs wk cal	pa-md gn,	mod	
	194.35	194.50	white aph massive QV-chl lined frcts-py	gry white	str	
	194.50	195.65	strg sil'd flooded-ser wisps filamnts-wk chl-py	buff tan-cream tan	str	
	195.65	202.20	sil'd bleach'd-chl frcts-ser-cal chl strgs	buff tan-pa yellow gn	str	35

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	202.20	205.70	bx'd-chl frcts-sil'd bleach'd-cal strgs frct'd qv	pa yellow gn	str	
	205.70	208.80	ser-chl frcts-ser-sil'd bleach'd py	pa yellow gn	str	
	208.80	212.00	sil'dpervas-qvbx'dchl frcts-qtz-cal strgs-py	pa gry tan-buff tan	str	
	212.00	213.20	sil'd bleach'd-ank-cal strgs-chl frcts	md buff tan	str	
	213.20	214.15	bleach'd-chl after amphib-fuchsiticser-chlfrcts	pa gn	mod	
	214.15	216.05	sil'd bleach'd-ank-cal strgs-chl frcts	tan-red tan-pa yellow gn	str	
	216.05	219.00	sil'd-bx'd-chl frcts-cal strgs	md gry-patchy reddened	str	
	219.00	220.70	fuchsitic ser-sil-cal ank strgs	md yellow gn	str	40-45
	220.70	221.50	pervasive sil-wk cal strgs-ser-chl frcts	pa-md gry gn	str	
	221.50	223.95	wk cal-wk qtz strgs	md gn	wk	
	223.95	224.20	wk sil'd-qtz strgs	md gn	wk-mod	
	224.20	225.15	sil'd-qtz strgs-chl-ser	buff tan gn-pinkish tan	wk-mod	45
	225.15	226.60	cal strgs-qtz-cal strgs-wk pink bleach'd-py	md gn-gry gn	wk	
	226.60	226.90	fsp xlls wkly porphyritic	md gn	wk	
	226.90	254.00	cal strgs-qtz-cal strgs-wk pink bleach'd-py	md gn-gry gn	wk	
IMGW 19-05	8.00	35.85	cal pervasive interstitial-cal strgs	md gn-gn brn	mod	
	35.85	39.40	cal wk pervas-cal strgs-wk fuchsitic ser	md pa gm-yellow gn	mod	
	39.40	46.40	pervas interstitial cal-cal strgs-hem	md gn brn	str	
	46.40	55.45	fuchsitic ser-qtzank strgs-bleach'd sil'd-py	pa vibrant yellow gn	str	
	55.45	56.00	wk bleach'd,wk sil'd, qank strgs	md ghry gn to gry tan	str	
	56.00	56.75	bleach'd-sil'd-cal pervas-qtz ank strgs	md gry-patchy gry tan	str	
	56.75	58.80	sil'd-qtz & qtz ank strgs-patchy ser locy	md gry gn-pa yellow gn	mod	
	58.80	59.00	bleach'd - pervasive interstitial cal	pa gry	vstg	
	59.00	59.95	sil'd-qtz ank strgs-py	pa-md gn	str	
	59.95	66.75	sil'd-wk cal+ qtz-ank strgs + trc py	pa-md gry gn	mod	
	66.75	70.95	qtz ank strgs-chl-wk ser-wk bleach'd buff	md-dk gn	mod	
	70.95	73.65	chl-cal strgs	md-dk brn gn	wk	
	73.65	75.05	cal-chl strgs	md gn	wk	
	75.05	79.70	cal-chl strgs	md gn	wk	
	79.70	83.60	sil'd-bleach'd- qtz ank strgs-qtz vnlets	pa gn-buff tan	mod-str	
	83.60	84.90	qtz-cal strgs	md gn	wk	
	84.90	86.60	bleach'd-sil-ank-ser	md gn	wk-mod	
	86.60	88.25	sil-qtz ank-wk cal-hem	reddish marroon	mod	
	88.25	92.50	cal strgs-qtz cal vnlets	md gn	mod	

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	92.50	93.65	qtz ank strgs-cal strgs-ser	pa-md gry gn	mod	
	93.65	93.75	wk bleach'd, sil'd	pa-md gn	wk	
	93.75	93.85	ser-qtz ank strgs-wk calstrgs	md olive gn	wk-mod	
	93.85	98.10	cal strgs & threads - chl	dk gn-gn black	wk	
	98.10	104.80	pervasive wk cal strgs-wk ser-wkqtzank strgs	md gn-pa gn	mod	
	104.80	105.60	wk bleach'd-qtzank strgs-chl frcts-wk ser	md olive gn-tan gn	mod	
	105.60	107.40	sil'd qtz ank strgs-chl frcts-wk ser cal	md gn-pa gn-pinkish tan	mod	
	107.40	108.00	bleach'd-chl flecks alt'd amph-wkqtzank strgs	pa gry gn	mod	
	108.00	108.10	sil'd qtz ank strgs-chl frcts-wk ser cal	md gn-pa gn-pinkish tan	mod	
	108.10	108.20	sil'd qtz ank strgs-chl frcts-wk ser cal	md gn-pa gn-pinkish tan	mod	
	108.20	108.45	sil'd qtz ank strgs-chl frcts-wk ser cal	md gn-pa gn-pinkish tan	mod	
	108.45	108.75	bleach'd-chl flecks alt'd amph-wkqtzank strgs	pa gry gn	mod	
	108.75	109.15	sil'd qtz ank strgs-chl frcts-wk ser cal	md gn-pa gn-pinkish tan	mod	
	109.15	109.25	bleach'd-chl flecks alt'd amph-wkqtzank strgs	pa gry gn	mod	
	109.25	109.40	sil'd qtz ank strgs-chl frcts-wk ser cal	md gn-pa gn-pinkish tan	mod	
	109.40	109.75	bleach'dsil'd-wk qtzankstrgs-wkser-wkchlfrcts	pa buff tan gn	mod	
	109.75	109.85	bleach'dborders-marroon core wk mgt chlfrcts	md gn-marroon	mod	
	109.85	112.30	bleach'dsil'd-wk qtzankstrgs-wkser-wkchlfrcts	md-pa gry gn	mod	
	112.30	113.35	wk sil cal	md gn	wk	
	113.35	115.95	sil-qtz strgs-cal strgs	md gn	wk	
	115.95	116.10	bleach'd-chl strgs-cal strgs & pervas	md-pa gn	str	
	116.10	116.20	sil'd-qtz strgs-chl frcts & strgs	md-pa gn	mod	
	116.20	118.25	wk sil-qtz threads-ser flecks wisp lamellae	md-pa gn	mod	
	118.25	119.30	bleach'd sil'd locy-wk qtz strgs	pa-md gn	wk	
	119.30	121.20	sil'd-qtz strgs-wk chl frcts-wk cal strgs	md gn	wk	
	121.20	121.90	wk sil'd-wk cal strgs	md gn	wk	
	121.90	122.50	wk cal strgs-wk chl cal strgs	md gn	wk	
	122.50	129.00	wk cal strgs-ser wisps & lemellae	md-pa gry gn	wk-mod	
	129.00	129.45	cal strgs-wispy filaments & lamellae ser	md gry gn	mod	
	129.45	130.40	wkcal&wkqtzankstrgs-wispyser-wkqank strgs	md gry gn	mod	
	130.40	136.90	qtzank strg-wk sers fuchsitic-chl frcts	pa-md gn	mod-str	
	136.90	142.80	cal strgs threads-qtzank strgs-chl frcts	md gry gn	mod	
	142.80	144.70	cal strgs+pervas-ser wisps lamellae-qtz	md gry gn-pa buff yellow gn	str	
	144.70	145.00	cal pervasive-chl-cal frcts	md gry	str	

	145.00	146.10	cal strgs+pervas-ser wisps lamellae-qtz	md gry gn-pa buff yellow gn	str	
	146.10	146.50	cal pervasive-chl-cal frcts	md gry	str	
	146.50	147.80	pervas interstit cal-wkchlcal strgs-str ser fila	md-dk gry	str	
	147.80	168.50	chlfrcts-calstrgs-fg diss mgt magnetic-wkepid	md-dk gn	wk	
	168.50	170.50	chl-cal strgs	dk gn	mod	
	170.50	173.75	chl-cal strgs vnlets	dk gn	mod	
	173.75	175.00	chl-pervas cal-cal threads & strgs	dk gn	str	
	175.00	177.70	chl-wk cal	dk gn	str	
	177.70	212.80	wk-mod bleach'd-chlcal strgs-cal pervas-ser	md gn	mod	
	212.80	220.65	chl-cal strgs & threads	dk-md gn	mod	
	220.65	241.20	wk-mod bleach'd-chlcal strgs-cal pervas-ser	md gn	mod	
	241.20	241.80	bleach'd sil'd-ser-hem-wk cal-chl frcts-py	md pink tan-md yellow tan	str	
	241.80	246.35	wk-mod bleach'd-chl frcts-cal strgs&pervas py	md gn	mod	
	246.35	246.50	bleach'd sil'd-ser-hem-wk cal-chl frcts-py	md pink tan-md yellow tan	str	
	246.50	246.80	wk-mod bleach'd-chl frcts-cal strgs&pervas py	md gn	mod	
	246.80	247.10	bleach'd sil'd-ser-hem-wk cal-chl frcts-py	md pink tan-marron-md yellow tan	str	
	247.10	247.50	wk-mod bleach'd-chl frcts-cal strgs&pervas py	md gn	mod	
	247.50	251.00	bleach'd sil'd-ser-hem-wk cal-chl frcts-py	md pink tan-marron-md yellow tan	str	
	0.00					
	0.00					
	0.00					
	0.00					

FAULT - SHEAR

Hole ID	From	To	Width	Fault Type	Fault Modifier	Intensity	Core Angle	Comments
	meters	meters	meters	chl-ser-clay tlc	flt-slip-shear-schist-bx	wk-mod-str	deg	
IMGW 19-01	15.30	15.90	0.60	chl	slips + frctd core	str	brkn	
	18.80	19.20	0.40	chl	slips	wk	30	
	23.75	24.00	0.25	chl-cal	shear fault	str	20-30	brkn & crushed 20-30 TCA
	24.00	25.00	1.00	chl-cal	slips + frctd core	v str	brkn	
	49.10	49.60	0.50	chl	frctd core	mod		
	57.50	57.70	0.20	chl-ser fuchsitic	frctd core	str	brkn	
	64.70	65.00	0.30	chl-sil	frctd core	mod		
	69.40	70.00	0.60	chl-cal-sil	frctd core	wk-mod		
	70.00	70.40	0.40	chl-cal-sil	frctd shear slips	str	0-20	thin chl-cal-sil slips @ 20 TCA & locy along core axis
	70.40	71.30	0.90	chl-cal-sil	frctd core	wk-mod		
	75.20	75.30	0.10	chl-cal	frctd core	str	brkn	
	75.50	76.10	0.60	chl-cal	frctd core	str	brkn	
	107.40	107.50	0.10	chl-cal threads	frctd core	mod	brkn	
	109.00	109.10	0.10	chl-cal threads	frctd core	mod	brkn	
	115.10	115.20	0.10	chl-cal	shear	str	35/30	UCt @ 35 TCA & LCt @ 30 TCA
	115.40	115.80	0.40	chl-cal threads	frctd core	str	brkn	
	116.10	116.30	0.20	chl-cal threads	frctd core	str	brkn	
	117.30	118.30	1.00	chl-cal threads	frctd core	str	brkn	extremely brkn core
	119.20	119.90	0.70	chl-cal threads	frctd core	mod	brkn	
	125.30	125.90	0.60	chl-sil-wk ser	frctd core	str	brkn	extremely brkn core
	136.40	136.70	0.30	ser-clay	frctd core	str	brkn	
	139.40	139.60	0.20	chl	frctd core	mod	brkn	
	144.40	145.50	1.10	chl-clay	frctd core	str	brkn	extremely brkn core
	147.70	147.90	0.20	chl	frctd core	str	brkn	
	148.50	148.90	0.40	chl	frctd core	str	brkn	extremely brkn core
	149.50	149.60	0.10	chl	frctd core	str	brkn	extremely brkn core
	149.60	150.80	1.20	chl	frctd core	str	brkn	
	168.80	168.90	0.10	chl wk	frctd core	str	brkn	extremely brkn core
	169.10	169.30	0.20	chl	frctd core	str	brkn	extremely brkn core
	188.90	190.40	1.50	chl-cal	frctd core	mod	brkn	
	207.00	209.00	2.00	chl-wk cal	frctd core	wk		wk brkn core,core slipped in core tube wk spring redrilled with reground core
	229.20	229.30	0.10	chl	frctd core	str	brkn	sheared contact 5 cm chl shear @ 50 TCA
	229.30	229.35	0.05	chl-wk cal	shear contact	str	50	sheared contact 5 cm chl shear @ 50 TCA

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	229.35	233.50	4.15	chl	frctd core	mod	locy brkn	
IMGW 19-02	7.00	7.10	0.10	chl-cal	frctd core	str	brkn	
	10.30	10.40	0.10	chl-cal	frctd core	str	brkn	
	11.30	11.50	0.20	chl-cal	frctd core	str	brkn	
	13.20	13.80	0.60	chl-cal-limonite	frctd core	mod	brkn	rusty gossaneous
	18.60	18.90	0.30	chl-cal	frctd core	str	brkn	
	26.60	26.70	0.10	chl-cal	frctd core	mod		
	37.10	37.20	0.10	chl-cal	frctd core	mod		
	56.70	56.80	0.10	chl-cal	frctd core	str	brkn	
	61.50	61.80	0.30	chl-cal	frctd core	mod		
	72.10	72.20	0.10	chl-cal	frctd core	wk		
	73.20	73.30	0.10	chl-cal	frctd core	wk		
	74.80	75.00	0.20	chl-cal	frctd core	str	brkn	
	76.50	76.60	0.10	chl-cal	frctd core	str	brkn	
	79.70	80.00	0.30	chl-cal	frctd core	mod		
	82.30	83.30	1.00	chl-cal	frctd core	str	brkn	
	86.10	88.50	2.40	chl-cal	frctd core	mod		
	91.60	91.70	0.10	chl-cal	frctd core	mod	brkn	
	91.70	91.90	0.20	chl	FAULT	str	35	5 cm gg, sheared foliation fabric below Fault & broken core
	93.30	93.40	0.10	chl-cal	frctd core	str	brkn	
	94.40	94.90	0.50	chl-cal	slips	str	10 to 20 TCA	pencil line slips
	96.30	96.60	0.30	chl-cal	chl slips-frctd core	mod		
	96.60	96.90	0.30	chl-cal	frctd core	str	brkn	
	97.10	97.50	0.40	chl-cal	frctd core	str	brkn	
	109.60	110.00	0.40	chl-cal	frctd core	mod	brkn	
	113.70	114.30	0.60	chl-cal-ser	chl slips-frctd core	wk	10	pencil line slips
	116.90	117.10	0.20	chl-limonite	frctd core	wk	brkn	rusty gossaneous
	117.40	117.50	0.10	chl-limonite	frctd core	wk	brkn	rusty gossaneous
	117.80	117.85	0.05	chl-clay-ser-py	FAULT	str	50	0.5 cm gg
	117.95	118.00	0.05	chl-clay-ser-py	FAULT	str	50	1.0 cm gg
	126.10	126.70	0.60	chl-ser-cal	slips	str	0-5	1 mm pencil line slips
	129.60	130.70	1.10	chl-ser-cal	slips	str	0-5	1 mm pencil line slips
	141.00	141.20	0.20	chl-ser	slips	str	0-5	<1 mm pencil line slips
	141.50	141.80	0.30	chl	slips	str	0-30	<1 mm pencil line slips
	166.00	166.60	0.60	chl	frctd core	mod		

	167.20	167.70	0.50	chl	frctd core	str	brkn	
	167.70	168.60	0.90	chl	frctd core	mod	brkn	
	168.60	169.00	0.40	chl	frctd core	str	brkn	
	170.00	170.40	0.40	chl	frctd core	mod	brkn	
	171.10	171.60	0.50	chl	frctd core	mod	brkn	
	171.90	173.00	1.10	chl	frctd core	mod	brkn	
	185.10	185.20	0.10	chl-cal	frctd core	mod		
	216.00	216.20	0.20	chl-cal	frctd core	mod		
	217.30	217.60	0.30	chl-cal	frctd core	mod		
	232.50	232.70	0.20	chl-cal	frctd core	mod		
	233.00	233.50	0.50	chl-cal	frctd core	mod		
	233.90	234.20	0.30	chl-cal	frctd core	v str	brkn	
	247.70	248.50	0.80	chl-cal	frctd core	mod		
IMGW 19-03	5.10	6.00	0.90	chl-cal	frctd core	v str	brkn	
	6.00	7.30	1.30	chl-cal	frctd core	wk		
	7.30	7.40	0.10	chl-cal	frctd core	str		
	8.40	8.50	0.10	chl-cal	frctd core	str		
	14.30	14.80	0.50	chl-cal	frctd core	wk		
	18.90	19.90	1.00	chl-cal	frctd core	mod		
	19.90	20.20	0.30	chl-cal	frctd core	v str	brkn	
	21.80	21.90	0.10	chl-cal	frctd core	str		
	22.80	23.80	1.00	chl-cal	frctd core	wk		
	23.80	23.90	0.10	chl-cal	frctd core	mod		
	23.90	25.30	1.40	chl-cal	frctd core	wk		
	25.30	25.60	0.30	chl-cal	Fault crushed frctd core	v str	brkn	cal-chl vn @ low angle TCA with chl slip @ 30TCA
	25.60	25.80	0.20	chl-cal	frctd core	wk		
	31.10	31.60	0.50	chl-cal	frctd core + slips	wk		
	34.60	34.70	0.10	ser-carb	frctd core	wk		
	36.30	36.40	0.10	ser-carb	frctd core	wk		
	39.70	39.80	0.10	fuchsitic ser-ank carb	frctd core	str		
	39.80	41.10	1.30	fuchsitic ser-ank carb-sil	frctd core	wk		
	41.80	42.50	0.70	fuchsitic ser-ank carb-sil	frctd core	wk		
	43.80	44.20	0.40	ank-cal-chl	frctd core	mod	10	brkn slip @ 10 TCA
	45.00	45.10	0.10	ank-cal-chl	frctd core	str		
	49.40	49.50	0.10	ank-cal-chl	frctd core	wk		

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	50.90	51.80	0.90	fuchsitic ser-ank-chl	frctd core	wk		
	56.00	56.10	0.10	ank-sil-chl	frctd core	wk		
	58.00	58.10	0.10	ank-sil-chl-ser	frctd core	wk		
	59.30	59.60	0.30	ank-chl-cal	frctd core	wk		chl-cal slip pencil line @ 10TCA
	66.00	66.10	0.10	chl-cal	frctd core	wk		
	71.80	72.20	0.40	ank-sil	frctd core	wk		
	72.20	72.80	0.60	ank-sil-wk cal	frctd core	str		
	72.80	73.70	0.90	chl-wk cal-clay	FAULT BRECCIA ZONE	very str	v brkn	FLT BX Zone Uct/Lct @ 25TCA
	73.70	75.90	2.20	chl-cal	frctd core	mod		
	78.40	78.80	0.40	chl-cal	frctd core	mod		
	79.60	80.30	0.70	chl-cal	frctd core	mod		
	80.30	83.25	2.95	chl-cal	frctd core	wk		
	83.25	83.30	0.05	chl-cal	frctd core	str	brkn	
	85.30	85.35	0.05	chl-cal	frctd core	str	brkn	
	89.80	90.00	0.20	chl-cal	frctd core	wk	brkn	
	91.30	92.30	1.00	chl-cal	frctd core	wk		
	92.90	93.10	0.20	chl-cal	frctd core	mod		
	94.50	94.90	0.40	chl-cal	frctd core	wk		
	97.60	98.00	0.40	chl-cal	frctd core	wk		
	99.00	99.60	0.60	chl-cal	frctd core, slip	str	brkn	str pencil line slip @ 5 TCA
	108.40	108.70	0.30	chl-cal	frctd core, slip	mod	brkn	str pencil line slips @ 15 & 20 TCA
	111.80	111.90	0.10	chl-cal	frctd core	mod		
	114.00	114.60	0.60	chl-cal	frctd core	str	30	str pencil line slip @ 30 TCA
	115.70	115.80	0.10	chl-cal	frctd core	str		
	117.20	117.60	0.40	chl-cal	frctd core	mod		
	117.60	117.63	0.03	chl	slip	str	25	str pencil line slip @ 25 TCA
	118.20	118.80	0.60	chl-cal	frctd core	str		
	118.80	118.83	0.03	chl	slip	str	35	str pencil line slip @ 35 TCA
	120.90	121.00	0.10	chl	slip & frctd	str	15-20	str pencil line slip @ 15-20 TCA
	121.10	121.90	0.80	chl	slip	str	25-35	str pencil line slip @ 25-35 TCA
	122.70	124.70	2.00	chl-cal	frctd core	mod		
	127.30	130.10	2.80	chl-cal	frctd core	wk		
	130.10	130.70	0.60	chl-cal	frctd core	str	brkn	
	130.70	130.90	0.20	chl-cal-clay	FAULT ZONE	extremely str	15	20 cm chl-clay cal gg @ 15 TCA
	130.90	131.70	0.80	chl	frctd & occ'l slips	mod	20	pencil line slips @ 20 TCA at 131.0-131.1m

	133.40	133.70	0.30	chl-wk cal	frctd core	mod		
	136.10	136.70	0.60	chl-qtz	frctd	wk		
	140.50	140.60	0.10	chl-cal	frctd core	wk		
	154.50	154.80	0.30	chl-cal	frctd core	str		
	171.80	172.10	0.30	chl-ser-cal	frctd core	mod		
	172.10	173.00	0.90	ser-chl-cal	frctd core	str		
	173.00	176.90	3.90	chl-ser-cal	frctd core	wk		
	176.90	177.00	0.10	ser-chl-cal	frctd core	str	brkn	
	177.00	178.70	1.70	chl-cal	frctd core	wk		
	202.40	202.70	0.30	chl-cal	frctd core	wk		
	206.40	206.50	0.10	chl-cal	frctd core	str		
	214.00	214.20	0.20	chl-cal	frctd core	str	brkn	
	221.00	221.50	0.50	chl-ser-cal	frctd core & slips	str	45-50	str pencil line slip @ 45-50 TCA
	222.50	222.70	0.20	chl-cal	frctd core	wk		
	222.90	223.00	0.10	chl-cal	frctd core	str		
	223.00	223.80	0.80	chl-cal	frctd core	wk		
	228.00	230.70	2.70	chl-cal	frctd core	str	brkn	
	230.70	232.80	2.10	chl-cal	frctd core	mod		
	235.50	235.80	0.30	chl-cal	frctd core	mod		
	240.20	240.90	0.70	chl-wk cal	frctd core	str		
	241.80	242.30	0.50	chl-wk cal	frctd core	mod		
	243.00	243.20	0.20	chl-wk cal	frctd core & slips	wk	40	str pencil line slip @ 40 TCA
IMGW 19-04	12.00	14.00	2.00	chl-cal	frctd core	mod		
	16.80	16.85	0.05	chl-cal	frctd core + shear	mod	25	
	17.60	18.70	1.10	chl-cal	frctd core	mod		
	21.40	21.90	0.50	chl-cal	frctd core	mod		
	25.50	25.65	0.15	chl-cal	FAULT	str	30	1-2 cm chl flt gg @ 30 TCA
	25.65	25.85	0.20	chl-qtz vn	frctd core	wk		
	25.85	26.00	0.15	chl-cal	frctd core	str		
	26.00	26.20	0.20	chl-cal	frctd core, slip	mod	brkn	str pencil line slips @ 20 TCA
	28.90	29.00	0.10	chl-cal	frctd core	wk		
	32.20	32.60	0.40	chl-cal	frctd core, slip	mod		mod pencil line slips @ 20-30 TCA
	32.60	32.70	0.10	chl-cal	frctd core	mod		
	33.90	34.20	0.30	chl-cal	shear - slips	str	30-35	str pencil line slips @ 30-35 TCA
	34.20	34.40	0.20	chl-cal	frct'd shear shear slips	mod	30-35	str pencil line slips @ 30-35 TCA

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	34.40	34.50	0.10	chl-cal-clay	FAULT	str	25-30	1-2 cm chl flt gg @ 25-30 TCA
	39.00	39.90	0.90	chl-cal	frctd core	mod		
	41.70	41.90	0.20	chl-cal	frctd core	mod		
	43.00	43.90	0.90	chl-cal	frct'd shear slips	wk		
	45.10	45.90	0.80	chl-cal	frctd core	str		
	45.90	47.10	1.20	chl-cal	frctd core	mod		
	48.90	53.10	4.20	chl-cal	frctd core	wk		
	53.10	53.40	0.30	chl-cal	frctd core	mod		
	53.40	53.80	0.40	chl-cal-clay	FAULT ZONE frct'd brkn	v str	brkn	extensively frct'd & brkn shattered FLT ZONE in Db dk
	53.80	54.90	1.10	chl-cal	frctd core	wk		
	54.90	55.00	0.10	chl-cal	frctd shattered core	str	brkn	
	59.50	60.50	1.00	chl-cal	frctd core	wk		
	65.20	66.30	1.10	chl-cal	frctd core + brkn slips	str		
	69.20	69.50	0.30	chl-cal	frct'd slips	mod	45	
	69.50	69.90	0.40	chl-cal	frctd core	wk		
	69.90	70.60	0.70	chl-cal	frctd core	mod		
	70.60	71.60	1.00	chl-cal	frctd core	mod-str		
	73.20	73.30	0.10	chl-cal	frctd core	str		
	75.50	75.60	0.10	chl	frctd core	wk		
	76.90	77.10	0.20	chl-cal	frctd core	wk		
	79.20	79.40	0.20	chl-cal	frctd core	wk		
	88.20	83.30	-4.90	chl-cal	frctd core	wk		
	84.60	85.10	0.50	chl-cal	frctd core	wk		
	85.10	86.10	1.00	chl-cal	frctd core	str		
	91.10	92.60	1.50	chl-qtz-ser-cal	frctd core	wk		
	93.30	93.80	0.50	chl-qtz-ser	frctd core	wk		
	95.10	95.60	0.50	chl-qtz-ser	frctd core	wk		
	100.70	101.00	0.30	chl-qtz-ser	frctd core	wk		
	101.60	101.80	0.20	chl-qtz-ser	frctd core	wk		
	102.60	102.80	0.20	chl-qtz-ser	frctd core	wk		
	103.70	104.80	1.10	chl-cal-qtz-ser	frctd core	mod		
	105.20	106.00	0.80	chl-cal-qtz-ser	frctd core	wk		
	106.80	107.00	0.20	chl-qtz-ser	frctd core	wk		
	112.30	112.90	0.60	chl-qtz-ser-wk cal	frctd core	wk		
	125.50	125.60	0.10	chl-cal-ser	shear zone	str	30	

FAULT - SHEAR

	125.60	126.40	0.80	chl-cal-ser	foliation-shear	mod	30	
	133.00	133.20	0.20	chl-cal	frctd core	str		
	133.20	134.80	1.60	chl-cal	frctd core	wk		
	136.80	136.90	0.10	chl-cal	frctd core	wk		
	139.50	139.70	0.20	chl-cal	frctd core	wk		
	141.10	141.70	0.60	chl-cal	frctd core	wk		
	141.70	141.80	0.10	chl-cal	frctd core	str	brkn	
	142.90	143.00	0.10	chl-wk cal	frctd core	wk		
	143.20	143.30	0.10	chl-wk cal	frctd core	wk		
	143.60	143.70	0.10	chl-trc cal	shear	str	35-40	
	143.70	143.80	0.10	chl-trc cal	FAULT ZONE	str	30-40	2-3 cm chl flt gg @ 30 TCA
	143.80	144.00	0.20	chl-trc cal	frct'd core	mod		
	144.00	155.95	11.95	sil-chl-cal	frctd core	wk		
	155.95	161.90	5.95	cal-chl	frctd core	wk		
	161.90	162.10	0.20	cal-chl	frctd core	str		
	162.10	162.60	0.50	cal-chl	frctd core	wk		
	162.60	162.90	0.30	cal-chl	frctd core	str		
	162.90	163.40	0.50	cal-chl	frctd core	mod		
	163.40	164.20	0.80	cal-chl	frctd core	str		
	164.20	164.70	0.50	cal-chl	frctd core	wk		
	164.70	164.80	0.10	chl-cal-clay	FLT BX ZONE + slips	str	frct'd	chl slips pencil line@20TCA at 164.7-165.4m MAJOR FLT-FLT BX ZONE frct'd core
	164.80	164.90	0.10	chl-cal-clay	FLT BX ZONE	str	frct'd brkn	strg frct'd brkn core at 164.7-165.4m MAJOR FLT-FLT BX ZONE frct'd core
	164.90	165.00	0.10	chl-cal-clay	FLT BX ZONE + SHEAR	str	shear 25 TCA	strg sheared & frct'd core@25 TCA at 164.7-165.4m MAJOR FLT- FLT BX Z frct'd core
	165.00	165.30	0.30	chl-cal-clay	SHEAR + SLIPS	str	slips @ 30 TCA	shear chl slips@30 TCA at 164.7-165.4m MAJOR FLT-FLT BX ZONE strg frct'd core
	165.30	165.40	0.10	chl-cal-clay	FAULT ZONE	str	15-20 TCA	10cm chl-cal-clay FLT+1.0cm chl clay gg@15-20TCA 164.7-165.4m FLT-FLT BX Z frct'd
	165.40	165.80	0.40	chl-sil	frctd core	str	brkn	
	166.10	166.40	0.30	chl	frctd core	str	brkn	
	167.20	167.80	0.60	chl	frctd core, slip	str	brkn	brecciated core with str pencil line 1-2 mm slip @ 15 TCA
	172.70	173.10	0.40	chl	slip	str		1-2mm qtz-ank + 0-10 TCA pencil line chl slip
	184.40	185.60	1.20	chl	slip	str		pencil line chl slip @ 0-5 TCA wavy along core axis
	187.80	188.30	0.50	chl	slip	str		0-10 TCA pencil line chl slip
	203.60	203.70	0.10	fuchsitic ser-chl	frctd core	str		
	205.65	205.90	0.25	chl-cal	frctd core	str		
	206.00	206.10	0.10	ser-chl	frctd core	mod		
	206.80	207.10	0.30	ser-chl	frctd core	wk		

FAULT - SHEAR

	221.30	221.50	0.20	chl-ser	frctd core	wk		
	221.50	221.53	0.03	chl-ser	shear	str	25	1-3 mm shear @ 25 TCA
	224.20	224.40	0.20	chl-ser	frct'd wispy shears	mod	20-25	wispy shears @ 20-25 TCA
	229.20	230.80	1.60	chl-ser	frct'd brecciated core	mod		
	239.20	239.50	0.30	chl	frct'd brecciated core	wk		
	245.50	246.40	0.90	chl-cal	frctd core	str		
	247.10	247.70	0.60	chl-cal	frctd core	wk		
	248.50	251.60	3.10	chl-cal	frctd core	wk		
	251.60	251.90	0.30	chl-cal	frctd core	str		
	251.90	253.00	1.10	chl-cal	frctd core	mod		
	253.00	253.50	0.50	chl-cal	frctd core	str		
	253.50	254.00	0.50	chl-cal	frctd core	mod		
IMGW 19-05	8.00	11.00	3.00	chl-cal	frctd core	wk		
	29.10	29.90	0.80	chl-cal	frctd core	wk		
	34.70	34.90	0.20	chl-cal	frctd core +slip	wk		chl-cal slip @ 10 TCA
	40.00	40.30	0.30	chl-cal	frctd core	mod		
	46.35	46.60	0.25	chl-cal	frctd core +slip	wk		chl-cal slip @ 10 TCA
	54.00	55.60	1.60	wk chl-sil-ser	frctd core	wk		
	56.70	56.90	0.20	wk chl-sil-ser	frctd core	wk		
	60.10	65.50	5.40	sil- wk cal-ser	frctd core	mod		
	65.50	65.60	0.10	ser-cal	FAULT Shear Zone	v str		schistose ser-cal flt-shear zone@ 10 TCA
	66.70	67.90	1.20	chl-sil	frctd core	wk		
	67.90	68.40	0.50	chl-sil-ser	frctd core	mod		
	68.80	69.10	0.30	chl-cal	frctd & shattered core	str		
	76.60	77.00	0.40	cal-chl	frctd core	mod		
	80.50	80.60	0.10	chl-ser-sil-wk cal	frctd core	mod		
	83.50	83.60	0.10	chl-sil-cal	frctd core	mod		
	87.80	88.00	0.20	chl-cal	frctd core	wk		
	88.30	88.40	0.10	chl-cal	frctd core	wk		
	104.80	104.90	0.10	chl-ser-ank	frctd core	mod		
	106.30	106.50	0.20	chl-ank	frctd core	wk		
	106.80	107.10	0.30	chl-cal-ser	frctd core	mod		
	108.75	109.00	0.25	chl-sil-wk cal	frctd core	wk		
	109.00	109.10	0.10	chl-cal-sil	frctd core	str	brkn	
	112.50	112.80	0.30	ser-chl-cal	slip frct'd	str		10 TCA pencil line chl slip

FAULT - SHEAR

	117.20	117.50	0.30	ser-sil-ank-cal-pyrite	shear zone	str		30 cm shear zone @ 25-50 TCA
	129.90	130.20	0.30	ser-sil-ank	frctd core	wk		
	134.10	134.30	0.20	ser-sil-ank	frctd core	wk		
	136.90	137.10	0.20	ser-sil-ank	frctd core	wk		
	139.50	139.80	0.30	chl-cal	frctd core	mod		
	141.70	141.80	0.10	chl-cal	frctd core	mod		
	142.00	142.20	0.20	chl-cal	frctd core	wk		
	144.30	144.40	0.10	chl-cal-ser	frctd core +slips	mod		chl-cal slip @ 30 TCA
	144.60	145.10	0.50	chl-cal	frctd core	mod		
	145.10	145.30	0.20	chl-cal	frctd core	v str		str & broken
	146.50	146.60	0.10	chl-cal	slip	wk		UCt & LCt pencil line slips 35 TCA
	147.80	148.60	0.80	chl-cal strgs	slips	mod		
	163.90	164.10	0.20	chl-cal strgs	frctd core	wk		
	164.60	167.20	2.60	chl-cal strgs	frctd core	wk		
	167.20	168.00	0.80	chl-cal	frctd core	mod		
	168.00	168.30	0.30	chl-cal strgs	frctd core	wk		
	168.30	168.80	0.50	chl-cal strgs	frctd core	str	brkn shattered	
	168.80	170.50	1.70	chl-cal	frctd core	mod		
	170.50	171.00	0.50	chl-cal	frctd core	mod		
	172.50	172.80	0.30	chl-cal strgs	frctd core	str	brkn	brkn shattered core
	175.00	177.70	2.70	chl-cal strgs	FAULT ZONE	v str	brkn	shattered broken FAULT ZONE with clay gg, Uct @ 35 TCA & LCt @ 50 tca
	179.40	180.10	0.70	cal strgs-chl	frctd core	wk		
	180.10	180.60	0.50	cal strgs-chl	frctd core	str	brkn	
	181.50	181.60	0.10	cal strgs-chl	frctd core	str		
	183.90	184.10	0.20	chl	slips	wk		2 pencil line chl slips @ 5 TCA & @ 30 TCA
	184.80	186.60	1.80	chl-cal strgs	frctd core	wk		
	194.30	194.40	0.10	cal strgs-chl	frctd core	wk		
	197.70	198.20	0.50	cal strgs-chl	frctd core	wk		
	203.20	203.30	0.10	cal strgs-chl	2 shears	mod-str		2 shears @ 25 TCA
	205.10	205.20	0.10	cal strgs-chl	frctd core	wk		
	205.70	205.90	0.20	chl-cal strgs	frctd core	v str		
	212.40	212.70	0.30	chl-cal strgs	frctd core	str		
	212.70	213.20	0.50	chl-cal strgs	frctd core	wk		
	213.20	213.80	0.60	chl	frctd core	str	brkn	
	213.80	214.00	0.20	chl-cal strgs	frctd core	mod		

FAULT - SHEAR

	214.00	214.50	0.50	chl-cal strgs	frctd core	wk		
	218.00	218.60	0.60	chl-cal strgs	frctd core	wk		
	218.60	218.90	0.30	chl-cal strgs	frctd core	mod		
	219.50	219.70	0.20	chl-cal strgs	frctd core	v str	brkn	
	225.20	225.50	0.30	chl	slips + frctd core	str		pencil line chl slips @ 5-0-5 TCA
	228.30	228.50	0.20	chl-cal strgs	frctd core	mod		
	235.70	236.00	0.30	chl-cal strgs	frctd core	wk		
	242.30	247.60	5.30	chl-sil-wk cal strgs	frctd core	str	brkn	
	249.10	249.70	0.60	chl-sil-wk cal-ser strgs	frctd core	wk		
	250.60	250.80	0.20	chl-sil-wk cal-ser strgs	frctd core	wk		
		0.03	0.03					
		0.03	0.03					
		0.03	0.03					
		0.03	0.03					
		0.03	0.03					
		0.03	0.03					
		0.03	0.03					
		0.03	0.03					
		0.03	0.03					
		0.03	0.03					
		0.03	0.03					
		0.03	0.03					
		0.03	0.03					
		0.03	0.03					
		0.03	0.03					
		0.03	0.03					
		0.03	0.03					
		0.03	0.03					

Hole ID	From	To	RQD	COMMENTS
	meters	meters	%	NOTES: ROCK QUALITY INDEX (RQD), Scale 100% is highly competent to 0% very incompetent
				MAGNETICS (Scintrex SM-5 Magnetic Susceptibility Meter c.g.s.- cms.gram.sec.)
IMGW 19-01	3.0	10.2	80	3.0-9.0m wkly magnetic 0.9-1.3 cgs on SM-5 meter
	10.2	10.4	60	frctd mod
	10.4	11.9	80	
	11.9	12.6	70	frctd wk
	12.6	12.8	60	frctd mod
	12.8	15.3	80	
	15.3	15.9	20	frctd very strg broken
	15.9	17.9	90	
	17.9	18.8	70	frctd wk
	18.8	19.2	10	frctd very strg broken
	19.2	23.8	80	21.6-32.6m mod magnetic 0.2-5.4 cgs on SM-5 meter
	23.8	25.6	20	frctd very strg broken
	25.6	38.0	80	
	38.0	38.3	70	frctd wk
	38.3	45.0	80	
	45.0	45.2	60	frctd mod
	45.2	49.1	80	
	49.1	49.6	50	frctd strg broken
	49.6	51.7	80	
	51.7	51.8	70	frctd wk
	51.8	52.3	90	
	52.3	52.5	70	frctd wk
	52.5	57.0	90	
	57.0	57.3	70	frctd wk
	57.3	57.5	80	
	57.5	57.7	60	frctd mod
	57.7	58.0	80	
	58.0	58.7	90	
	58.7	59.1	70	frctd wk
	59.1	59.4	90	

	59.4	59.5	70	frctd wk
	59.5	63.0	90	
	63.0	64.2	80	
	64.2	64.7	90	
	64.7	65.0	60	frctd mod
	65.0	67.9	90	
	67.9	68.0	80	
	68.0	69.4	90	
	69.4	70.0	60	frctd mod
	70.0	70.4	0	frctd very strg broken + FAULT brecciated zone
	70.4	71.3	60	frctd mod
	71.3	74.3	80	
	74.3	75.2	70	frctd wk
	75.2	75.3	50	frctd strg broken
	75.3	75.5	70	
	75.5	76.1	20	frctd very strg broken
	76.1	78.0	80	
	78.0	78.3	60	frctd mod
	78.3	79.9	80	
	79.9	80.0	60	frctd mod
	80.0	81.0	90	
	81.0	81.3	70	frctd wk
	81.3	85.1	90	
	85.1	86.5	80	
	86.5	87.2	70	frctd wk
	87.2	88.4	90	
	88.4	89.4	80	
	89.4	90.2	70	frctd wk
	90.2	95.9	90	
	95.9	96.3	100	
	96.3	96.7	70	frctd wk
	96.7	97.2	100	
	97.2	97.4	70	frctd wk

RQD & Mag Suscept

	97.4	98.2	90	
	98.2	98.9	80	
	98.9	100.0	90	
	100.0	101.8	70	frctd wk
	101.8	104.9	90	
	104.9	106.0	80	
	106.0	106.6	70	frctd wk
	106.6	107.4	80	
	107.4	107.5	60	frctd mod
	107.5	108.1	80	
	108.1	109.0	70	frctd wk
	109.0	109.1	50	frctd strg broken
	109.1	112.0	90	
	112.0	112.3	70	frctd wk
	112.3	115.1	80	
	115.1	115.2	30	strg shear
	115.2	115.4	70	frctd wk
	115.4	115.8	60	frctd mod
	115.8	116.1	70	frctd wk
	116.1	116.3	50	frctd strg broken
	116.3	117.3	70	frctd wk 116.1-118.0m wkly magnetic 0.2-1.5 cgs on SM-5 meter
	117.3	118.3	20	frctd very strg broken
	118.3	119.2	70	frctd wk
	119.2	119.9	60	frctd mod
	119.9	121.7	90	
	121.7	122.9	70	frctd wk
	122.9	124.6	80	
	124.6	125.3	70	frctd wk
	125.3	125.9	10	frctd very strg broken
	125.9	126.8	70	frctd wk
	126.8	135.9	90	
	135.9	136.4	70	frctd wk
	136.4	136.7	10	frctd very strg broken

RQD & Mag Suscept

	136.7	139.4	100	
	139.4	139.6	60	frctd mod
	139.6	144.4	70	frctd wk
	144.4	145.5	20	frctd very strg broken
	145.5	147.7	80	
	147.7	147.9	50	frctd strg broken
	147.9	148.5	70	frctd wk
	148.5	148.9	20	frctd very strg broken
	148.9	149.5	90	
	149.5	149.6	20	frctd very strg broken
	149.6	150.8	60	frctd mod
	150.8	160.1	90	156.6-160.9m wkly magnetic 0.2-1.4 cgs on SM-5 meter
	160.1	160.3	70	frctd wk
	160.3	168.3	90	
	168.3	168.8	80	
	168.8	168.9	30	frctd very strg broken
	168.9	169.1	70	frctd wk
	169.1	169.3	30	frctd very strg broken
	169.3	175.7	90	
	175.7	176.1	70	frctd wk
	176.1	180.5	80	
	180.5	187.8	100	
	187.8	188.0	70	frctd wk
	188.0	188.9	90	
	188.9	190.4	60	frctd mod
	190.4	203.6	100	
	203.6	207.0	90	
	207.0	209.0	60	frctd mod, wkly ground due to redrilling
	209.0	209.9	80	
	209.9	210.1	70	frctd wk
	210.1	220.0	90	
	220.0	225.8	80	
	225.8	229.2	70	frctd wk

	229.2	229.4	20	frctd very strg broken, 5 cm chl sheared contact @ 50 TCA;
	229.4	233.5	60	frctd mod 229.35-251.0m mod magnetic 1.3-4.6 cgs on SM-5 meter
	233.5	237.4	70	frctd wk
	237.4	251	80	EOH
IMGW 19-02	3.2	4.1	90	
	4.1	7.0	80	
	7.0	7.1	20	frctd very strg broken
	7.1	10.3	80	
	10.3	10.4	20	frctd very strg broken
	10.4	11.3	80	
	11.3	11.5	20	frctd very strg broken
	11.5	12.3	80	
	12.3	12.7	70	frctd wk
	12.7	13.2	90	
	13.2	13.8	60	frctd mod, limonitic rusty open frcts, oxidized due to surface waters along frctures;
	13.8	17.6	90	
	17.6	18.6	70	
	18.6	18.9	30	frctd very strg broken
	18.9	20.8	80	
	20.8	21.1	70	frctd wk
	21.1	23.5	80	
	23.5	24.6	70	frctd wk 23.25-23.35m wkly magnetic 2.8 cgs on SM-5 meter in marroon central core of Aplite dk
	24.6	26.6	80	
	26.6	26.7	50	frctd mod
	26.7	26.9	70	frctd wk
	26.9	27.6	90	
	27.6	28.2	70	locy frtcd along cal vnlet
	28.2	37.1	90	
	37.1	37.2	50	frctd mod
	37.2	47.2	90	
	47.2	47.5	70	frctd wk
	47.5	56.7	90	
	56.7	56.8	20	frctd very strg broken

	56.8	60.9	100	
	60.9	61.5	70	
	61.5	61.8	30	frctd very strg broken
	61.8	64.2	90	
	64.2	64.3	70	frctd wk
	64.3	67.0	90	
	67.0	67.3	70	frctd wk
	67.3	72.1	80	
	72.1	72.2	60	frctd wk
	72.2	73.2	80	
	73.2	73.3	70	
	73.3	74.8	80	
	74.8	75.0	20	frctd very strg broken
	75.0	75.6	70	
	75.6	76.5	80	
	76.5	76.6	20	frctd very strg broken
	76.6	79.7	80	
	79.7	80.0	60	frctd mod
	80.0	82.3	80	
	82.3	83.3	20	frctd very strg broken
	83.3	83.9	80	
	83.9	84.3	70	
	84.3	88.1	80	
	88.1	88.5	60	frctd mod
	88.5	91.6	80	
	91.6	91.7	70	frctd mod
	91.7	91.9	0	frctd very strg broken, 91.7-91.8m FLT 35 TCA chl gg
	91.9	93.3	80	
	93.3	93.4	10	frctd very strg broken
	93.4	94.4	80	93.4 - 96.8m fg dissem mgt, mod magnetic 0.5-3.5 cgs on SM-5 meter
	94.4	94.9	60	frctd mod along chl slips
	94.9	96.3	70	
	96.3	96.6	60	frctd mod along chl slips

RQD & Mag Suscept

	96.6	96.9	10	frctd very strg broken
	96.9	97.1	70	
	97.1	97.5	20	frctd very strg broken
	97.5	99.4	90	
	99.4	99.7	70	
	99.7	109.6	90	
	109.6	110.0	60	frctd wk
	110.0	113.7	90	105.5 - 113.0m fg dissem mgt, wk-mod magnetic 0.2-1.9 cgs on SM-5 meter
	113.7	114.3	70	frctd wk slip
	114.3	116.9	90	114.5 - 116.0m fg dissem mgt, wk magnetic 0.2-1.5 cgs on SM-5 meter
	116.9	117.7	70	frctd wk limonitic rusty
	117.7	117.8	80	
	117.8	118.0	50	frctd very strg broken, 10 cm QV trc py, wall rx frctd 117.8-117.85, 1 cm flt gg ser clay @ 50TCA;
	118.0	118.5	70	frctd wk
	118.5	119.7	90	
	119.7	119.9	70	frctd wk
	119.9	121.4	90	
	121.4	126.1	100	120.5 - 128.0m fg dissem mgt, wk magnetic 0.1-1.4 cgs on SM-5 meter
	126.1	126.7	80	frctd wk along slip 0-10 TCA
	126.7	129.6	100	
	129.6	130.7	70	frctd wk along slip 0-10 TCA
	130.7	141.0	100	
	141.0	141.2	70	frctd wk along slip 0-10 TCA
	141.2	141.5	90	
	141.5	141.8	70	frctd wk along slip
	141.8	143.3	80	
	143.3	151.0	100	
	151.0	151.1	70	frctd wk
	151.1	151.5	80	
	151.5	165.1	90	156.2 - 157.2m fg dissem mgt, wk magnetic 0.6-2.0 cgs on SM-5 meter
	165.1	166.0	80	
	166.0	166.6	60	frctd mod
	166.6	167.2	80	

	167.2	167.7	50	frctd very strg broken	
	167.7	168.6	70	frctd wk	
	168.6	169.0	50	frctd very strg broken	
	169.0	170.0	70	frctd wk	169.1-177.85 m fg dissem mgt in Db dk, wk-mod magnetic 0.3-4.7 cgs on SM-5 meter
	170.0	170.4	60	frctd mod	
	170.4	171.1	80		
	171.1	171.6	60	frctd mod	
	171.6	171.9	90		
	171.9	173.0	60	frctd mod	
	173.0	175.0	70		
	175.0	183.3	80		
	183.3	183.9	70		
	183.9	185.1	80		
	185.1	185.2	60	frctd mod chl-cal	
	185.2	195.7	90		
	195.7	195.8	70	frctd wk	
	195.8	205.1	90		
	205.1	205.3	70	frctd wk	
	205.3	214.2	90		
	214.2	214.3	70	frctd wk	
	214.3	215.1	80		
	215.1	215.2	70	frctd wk	
	215.2	216.0	80		
	216.0	216.2	60	frctd mod	
	216.2	217.3	80		
	217.3	217.6	60	frctd mod brkn Db dk	
	217.6	222.1	80		
	222.1	222.2	70	frctd wk	
	222.2	224.0	80		
	224.0	224.2	70	frctd wk,	224.0 - 251.0m fg dissem mgt in Db dk, mod magnetic 0.2 - 3.6 cgs on SM-5 meter
	224.2	226.7	80		224.0/0.2
	226.7	226.8	70	wkly frct	225.0/2.8
	226.8	228.4	80		225.2/3.5

	228.4	228.7	70	wkly frct	227.0/3.4
	228.7	230.0	80		228.5/3.0
	230.0	230.4	70	wkly frct	230.0/3.6
	230.4	230.8	80		231.5/2.9
	230.8	231.4	70	wkly frct	233.0/2.9
	231.4	232.5	80		
	232.5	232.7	60		
	232.7	233.0	80		
	233.0	233.5	60		
	233.5	233.9	80		
	233.9	234.2	20	frctd very strg broken	
	234.2	234.7	80	wkly frct	
	234.7	234.8	70	frctd wk	
	234.8	236.3	80		234.5/2.7 mod magnetic
	236.3	236.5	70	wkly frct	
	236.5	236.7	80		236.0/2.7 mod magnetic
	236.7	236.9	70	wkly frct	
	236.9	237.3	80		237.5/3.2 mod magnetic
	237.3	237.6	70	wkly frct	
	237.6	242.3	90		239.0/2.5 mod magnetic
	242.3	242.5	70	wkly frct	
	242.5	246.1	80		240.5/0.1 mod magnetic
	246.1	246.3	70	wkly frct	242.0/1.9, 242.6/2.6, 244.0/2.4, 245.5/2.1, mod magnetic
	246.3	247.7	80		247.0/3.0, mod magnetic
	247.7	248.5	60	frctd mod	248.0/1.4 mod magnetic
	248.5	251.0	80	EOH	249.5/2.7, 251.0/1.9; mod magnetic
IMGW 19-03	4.6	5.1	100		
	5.1	6.0	0	frctd very strg broken	
	6.0	7.3	70	frctd wk	
	7.3	7.4	0	frctd very strg broken	
	7.4	8.4	100		
	8.4	8.5	10	frctd very strg broken	
	8.5	14.3	90		12.5-15.5m wk magnetic 0.1-0.3 cgs on SM-5 meter

	14.3	14.8	70	frctd wk
	14.8	18.9	90	
	18.9	19.9	60	frctd mod
	19.9	20.3	10	frctd very strg broken 20.2/0.2, 20.3/3.5, mod-str magnetic
	20.3	21.8	80	20.4/6.7, 20.6/5.2, 20.38/6.1, 20.9/5.9, 21.0/5.2, 21.1/1.7, str magnetic
	21.8	21.9	30	frctd very strg broken
	21.9	22.8	80	
	22.8	23.8	70	frctd wk
	23.8	23.9	60	frctd mod
	23.9	25.3	70	frctd wk
	25.3	25.6	10	frctd very strg broken to crushed core
	25.6	25.8	70	frctd wk
	25.8	26.9	80	
	26.9	27.5	90	
	27.5	31.1	90	
	31.1	31.6	60	frctd mod
	31.6	34.6	90	
	34.6	34.7	70	frctd wk
	34.7	36.3	80	
	36.3	36.4	70	frctd wk
	36.4	39.7	80	
	39.7	39.8	20	frctd very strg broken
	39.8	41.1	70	frctd wk
	41.1	41.8	80	
	41.8	42.5	70	frctd wk
	42.5	43.8	80	
	43.8	44.2	60	frctd mod brkn slip
	44.2	45.0	90	
	45.0	45.1	30	frctd strg broken
	45.1	49.4	90	
	49.4	49.5	70	frctd wk
	49.5	50.9	80	
	50.9	51.8	70	frctd wk

	51.8	56.0	90	
	56.0	56.1	70	frctd wk
	56.1	58.0	90	
	58.0	58.1	70	frctd wk along cal-chl slip
	58.1	59.3	90	
	59.3	59.6	70	frctd wk
	59.6	66.0	80	
	66.0	66.1	70	frctd wk
	66.1	71.8	80	
	71.8	72.2	70	frctd wk
	82.2	72.8	30	strg frct broken
	72.8	73.7	0	extremely strg broken FAULT BRECCIA ZONE
	73.7	75.9	60	frctd mod
	75.9	78.4	80	
	78.4	78.8	60	frctd mod
	78.8	79.6	80	
	79.6	80.3	60	frctd mod
	80.3	83.2	70	frctd wk
	83.2	83.3	0	frctd very strg broken
	83.3	85.3	80	
	85.3	85.4	10	frctd very strg broken
	85.4	89.8	80	
	89.8	90.0	70	frctd wk
	90.0	91.3	80	
	91.3	92.3	70	frctd wk
	92.3	92.9	80	
	92.9	93.1	60	frctd mod
	93.1	94.5	80	
	94.5	94.9	70	frctd wk
	94.9	97.6	80	
	97.6	98.0	70	frctd wk
	98.0	99.0	90	
	99.0	99.6	70	frctd wk along cal slip @5 TCA

RQD & Mag Suscept

	99.6	104.7	100	
	104.7	108.4	90	
	108.4	108.7	60	frctd mod
	108.7	111.8	90	
	111.8	111.9	60	frctd mod
	111.9	114.0	90	
	114.0	114.6	50	strg frct broken
	114.6	115.7	80	
	115.7	115.8	60	frctd mod
	115.8	117.2	80	
	117.2	117.6	60	frctd mod
	117.6	118.2	80	
	118.2	118.8	50	frctd mod
	118.8	120.9	80	
	120.9	121.0	60	frctd mod chl slips
	121.0	121.9	70	frctd wk chl slips
	121.9	122.7	80	
	122.7	124.7	60	frctd mod
	124.7	127.3	80	123.3/0.2, 123.8/0.3, 124.7/2.4, 125.0/2.9, 126.0/2.7, 126.5/4.5, wk-mod magnetic
	127.3	130.1	70	frctd wk 128.0/1.4, 129.5/1.6, 130.0/1.2, 130.2/1.4, wk magnetic
	130.1	130.7	30	frctd very strg broken
	130.7	130.9	0	FAULT ZONE strong 20 cm chl-clay gg@ 15 TCA
	130.9	131.7	60	frctd mod +chl slips 20TCA
	131.7	133.4	80	
	133.4	133.7	60	frctd mod
	133.7	136.1	80	
	136.1	136.7	70	frctd wk
	136.7	140.5	90	
	140.5	140.6	70	frctd wk
	140.6	153.6	90	
	153.6	154.5	80	
	154.5	154.8	60	frctd mod
	154.8	171.8	90	156.6-158.0m wk magnetic 0.5-2.4 cgs on SM-5 meter

	171.8	172.1	60	frctd mod
	172.1	173.0	40	frctd strg broken
	173.0	176.9	70	frctd wk
	176.9	177.0	60	frctd mod
	177.0	178.7	70	frctd wk
	178.7	202.4	90	
	202.4	202.7	70	frctd wk
	202.7	206.4	80	
	206.4	206.5	50	frctd mod-str
	206.5	214.0	80	
	214.0	214.2	60	frctd mod broken
	214.2	221.0	80	216.7-219.8m wk magnetic 0.3-0.7 cgs on SM-5 meter
	221.0	221.5	60	frctd wk-mod +chl slips
	221.5	222.5	90	
	222.5	222.7	70	frctd wk
	222.7	222.9	90	
	222.9	223.0	60	frctd mod
	223.0	223.8	70	frctd wk
	223.8	228.0	90	
	228.0	230.7	40	strg frct broken
	230.7	232.8	60	frctd mod
	232.8	235.5	80	
	235.5	235.8	60	frctd mod
	235.8	240.2	100	237.2/1.9, 237.3/1.8, 238.0/2.6, 239.5/2.0, wk-mod magnetic
	240.2	240.9	60	frctd mod
	240.9	241.8	80	241.0/2.5, 242.0/1.8, wk-mod magnetic
	241.8	242.3	60	frctd mod
	242.3	243.0	80	
	243.0	243.2	70	frctd wk
	243.2	251.0	90	EOH 243.5/1.7, 245.0/3.2, 246.5/2.5; 248.0/3.8, 249.5/3.2, 251.0/2.9, wk-mod magnetic
IMGW 19-04	8.1	12.0	80	8.2 - 11.0m wk magnetic 0.1-0.3 cgs on SM-5 meter
	12.0	14.0	60	frctd mod
	14.0	16.8	90	

RQD & Mag Suscept

	16.8	16.9	30	strg frct broken + chl-cal shear & slips	
	16.9	17.6	80		
	17.6	18.7	70	frctd wk	
	18.7	19.9	80		
	19.9	21.4	70		
	21.4	21.9	60	frctd wk	
	21.9	25.5	80		
	25.5	25.7	20	FAULT ZONE strong 1-2 cm chl-clay fault gg@ 30 TCA	
	25.7	25.9	70	QV	
	25.9	26.0	50	strg frct broken	
	26.0	26.2	70	frctd wk +slip@20TCA	
	26.2	28.9	80		
	28.9	29.0	70	frctd wk	
	29.0	32.2	80		
	32.2	32.6	70	frctd wk + slips	
	32.6	32.7	60	frctd mod + shear foliation	
	32.7	33.9	80		
	33.9	34.2	20	strg frct broken + sheared	
	34.2	34.4	60	frctd mod + sheared	
	34.4	34.5	0	FAULT ZONE frct brkn core chl gg @ 25 TCA	
	34.5	39.0	80		
	39.0	39.9	70	frctd wk	
	39.9	41.7	80		
	41.7	43.9	70	frctd wk	
	43.9	45.1	80		
	45.1	45.9	50	strg frct broken	45.5/0.8 cgs SM-5, weak magnetic
	45.9	47.1	70	frctd wk	46.0/1.9 cgs weak magnetic
	47.1	48.9	80		47.0/1.3, 48.5/0.2cgs weak magnetic
	48.9	53.1	70	frctd wk	51.5/1.7, 53.0/1.0 cgs weak magnetic
	53.1	53.4	60	frctd mod	
	53.4	53.8	0	strg frct extensively broken possible Fault Zone	
	53.8	54.9	70	frctd wk	54.2/4.8 cgs, mod magnetic
	54.9	55.0	10	strg frct extensively broken	55.0/3.0 cgs, mod magnetic

RQD & Mag Suscept

	55.0	59.5	80	56.0/4.4, 57.5/3.6, 59.0/2.8 cgs, mod magnetic
	59.5	60.5	70	frctd wk 60.5/3.4 cgs, mod magnetic
	60.5	65.2	80	62.0/1.8, 63.5-66.5/0.0 cgs, NON- magnetic
	65.2	66.3	50	strg frct broken
	66.3	69.2	80	68.0/1.5, 69.2/1.5 cgs, wk magnetic
	69.2	69.5	70	frctd wk
	69.5	69.9	60	frctd mod
	69.9	70.6	70	frctd wk
	70.6	71.6	50	strg frct broken
	71.6	73.2	80	71.0/0.0 cgs, NON- magnetic
	73.2	73.3	50	strg frct broken
	73.3	75.5	80	72.2/0.1, 73.5/4.9, 75.0/3.5, 75.5/4.0 cgs, mod magnetic
	75.5	75.6	70	frctd wk
	75.6	76.9	80	
	76.9	77.1	70	frctd wk
	77.1	79.2	80	77.0/2.0, 78.5/4.8, cgs, mod magnetic
	79.2	79.4	70	frctd wk
	79.4	83.2	80	80.0/4.9, 81.5/1.7, 83.0/1.7 cgs, wk-mod magnetic
	83.2	83.3	70	frctd wk
	83.3	84.6	80	
	84.6	85.1	70	frctd wk 84.5/4.3, 86.0/4.3 cgs, mod magnetic
	85.1	86.1	60	frctd mod
	86.1	88.6	80	87.5/3.8, 87.7/4.4, 88.4/0.6 cgs, mod magnetic
	88.6	91.1	80	
	91.1	92.6	70	frctd wk
	92.6	93.3	80	
	93.3	93.8	70	frctd wk
	93.8	95.1	80	
	95.1	95.6	70	frctd wk
	95.6	100.7	80	
	100.7	101.0	70	frctd wk
	101.0	101.6	80	
	101.6	101.8	70	frctd wk

RQD & Mag Suscept

	101.8	102.6	80	
	102.6	102.8	70	frctd wk
	102.8	103.4	80	
	103.4	104.8	60	frctd mod
	104.8	105.2	80	
	105.2	106.0	70	frctd wk
	106.0	106.8	80	
	106.8	107.0	70	frctd wk
	107.0	112.3	80	
	112.3	112.9	70	frctd wk
	112.9	125.5	80	
	125.5	125.6	70	frctd wk
	125.6	133.0	80	
	133.0	133.2	60	frctd mod
	133.2	134.8	70	frctd wk
	134.8	136.8	80	
	136.8	136.9	70	frctd wk
	136.9	139.5	80	
	139.5	139.7	70	frctd wk
	139.7	144.1	80	
	144.1	141.7	70	frctd wk
	141.7	141.8	10	strg frct broken
	141.8	142.9	80	
	142.9	143.0	70	frctd wk
	143.0	143.2	80	
	143.2	143.3	70	frctd wk
	143.3	143.6	80	
	143.6	144.0	60	frctd mod
	144.0	155.9	70	frctd wk
	155.9	161.9	70	frctd wk 156.4/1.3, 157.5/2.0, 158.0/1.8, 158.7/2.5, 159.5/2.9, 160.2/2.7,161.0/2.1, 161.7/2.7 cgs, mod magnetic
	161.9	162.1	50	strg frct broken
	162.1	162.6	70	frctd wk 162.2/1.4, 163.0/0.5 cgs, wk magnetic
	162.6	162.9	30	strg frct broken

	162.9	163.4	60	frctd mod
	163.4	164.2	30	strg frct broken
	164.2	164.7	70	frctd wk
	164.7	165.4	0	strg frct brecciated broken, FAULT ZONE dk chl bx @20TCA
	165.4	166.4	50	strg frct broken, start of continuous alteration mineralized zone 165.4-221.5 m;
	166.4	167.3	70	frctd wk
	167.3	167.8	50	strg frct broken
	167.8	168.9	80	
	168.9	169.1	70	frctd wk
	169.1	172.3	90	
	172.3	173.1	60	frctd mod, chl slip@0-10 TCA
	173.1	174.8	90	silicified
	174.8	174.9	70	frctd wk
	174.9	184.7	90	
	184.7	185.6	70	frctd wk, chl slips
	185.6	186.9	80	
	186.9	187.1	70	frctd wk
	187.1	187.6	80	
	187.6	187.8	60	frctd mod
	187.8	188.0	90	
	188.0	188.3	60	frctd mod
	188.3	192.6	90	
	192.6	194.1	80	
	194.1	201.6	90	
	201.6	202.2	80	
	202.2	202.3	70	frctd wk
	202.3	203.1	80	
	203.1	203.6	70	frctd wk
	203.6	203.7	20	strg frct broken
	203.7	205.7	80	
	205.7	205.8	10	strg frct broken
	205.8	206.0	80	
	206.0	206.1	60	frctd mod

	206.1	206.8	90	
	206.8	207.1	60	frctd mod
	207.1	221.3	90	
	221.3	221.5	70	frctd wk, end of continous alteration mineralization zone 165.4-221.5m;
	221.5	224.2	90	
	224.2	224.2	70	frctd wk
	224.2	229.2	80	
	229.2	230.8	60	frctd mod
	230.8	239.2	90	
	239.2	239.5	70	frctd wk
	239.5	245.4	90	
	245.4	246.4	50	strg frct broken
	246.4	247.1	80	
	247.1	247.7	70	frctd wk
	247.7	248.5	80	
	248.5	251.6	70	frctd wk
	251.6	251.9	50	strg frct broken
	251.9	253.0	60	frctd mod
	253.0	253.5	50	strg frct broken
	253.5	254.0	60	frctd mod, EOH
IMGW 19-05	8.0	9.9	60	frctd mod
	9.9	11.0	70	frctd wk
	11.0	29.1	80	
	29.1	29.9	70	frctd wk
	29.9	34.7	80	
	34.7	34.9	70	frctd wk
	34.9	40.0	80	
	40.0	40.3	60	frctd mod
	40.3	46.4	90	41.8/0.1, 42.2/0.1, 43.0/0.2, 44.0/0.3, 44.5/0.4, 45.1/0.3, 45.5/0.2 cgs, wk magnetic
	46.4	46.6	70	frctd wk
	46.6	48.0	90	
	48.0	54.0	80	
	54.0	55.6	70	frctd wk

	55.6	56.7	80	
	56.7	56.9	70	frctd wk
	56.9	60.1	90	
	60.1	65.5	60	frctd mod
	65.5	65.6	10	FAULT SHEAR ZONE ser-cal schist @30-35 TCA
	65.6	66.7	80	
	66.7	67.9	70	frctd wk
	67.9	68.4	60	frctd mod
	68.4	68.8	80	
	68.8	69.1	40	strg frct broken shattered
	69.1	76.6	80	
	76.6	77.0	60	frctd mod
	77.0	80.5	80	
	80.5	80.6	60	frctd mod
	80.6	83.5	80	
	83.5	83.6	60	frctd mod
	83.6	87.8	80	
	87.8	88.0	70	frctd wk
	88.0	88.7	80	
	88.7	89.8	60	frctd mod
	89.8	104.8	80	
	104.8	104.9	60	frctd mod
	104.9	106.3	80	
	106.3	106.5	70	frctd wk
	106.5	106.8	80	
	106.8	107.1	60	frctd mod
	107.1	108.7	80	
	108.7	109.0	70	frctd wk
	109.0	109.1	40	strg frct broken
	109.1	112.5	90	
	112.5	112.8	70	frctd wk, chl-cal slip @60TCA
	112.8	117.2	90	
	117.2	117.3	50	strg shear frct

RQD & Mag Suscept

	117.3	129.9	90	
	129.9	130.2	70	frctd wk
	130.2	134.1	90	
	134.1	134.3	70	frctd wk
	134.3	136.9	80	
	136.9	137.1	70	frctd wk
	137.1	139.5	80	
	139.5	139.8	70	frctd wk
	139.8	141.7	80	
	141.7	141.8	60	frctd mod
	141.8	142.0	80	
	142.0	142.2	70	frctd wk
	142.2	144.3	80	
	144.3	144.4	60	frctd mod with chl-cal-ser slips @ 30TCA
	144.4	144.6	80	
	144.6	145.1	60	frctd mod
	145.1	145.3	20	very strg frct broken
	145.3	146.5	80	
	146.5	146.6	70	frctd wk
	146.6	147.8	80	146.7/0.1, 147.5/0.2 cgs, wk magnetic
	147.8	148.6	60	frctd mod 147.9/1.7, 148.1/3.2 cgs, mod magnetic
	148.6	163.9	80	149.0/3.5, 150.0/3.5, 150.9/2.9, 151.0/2.6, 152.5/2.6, 154.0/3.0, 156.5/1.6, 158.0/1.5,159.5/1.1, 161.0/1.1,162.5/2.6 cgs, mod magnetic
	163.9	164.1	70	frctd wk 164.0/0.9 cgs, wk magnetic
	164.1	164.6	80	
	164.6	167.2	70	frctd wk 165.5/1.3, 167.0/0.3 cgs, wk magnetic
	167.2	168.0	60	frctd mod 168.4/0.0 cgs, non-magnetic
	168.0	168.3	70	frctd wk
	168.3	168.8	20	very strg frct broken
	168.8	170.5	60	frctd mod
	170.5	171.0	60	frctd mod
	171.0	172.5	80	
	172.5	172.8	30	strg frct broken
	172.8	173.7	80	

	173.7	175.0	80	
	175.0	177.7	0	FAULT - FAULT BRECCIA ZONE,shattered brokn core, gg, U & LCt @ 35/50 TCA
	177.7	179.4	80	
	179.4	180.1	70	frctd wk
	180.1	180.6	30	strg frct broken
	180.6	181.5	80	
	181.5	181.6	60	frctd mod
	181.6	183.9	80	
	183.9	184.1	70	frctd wk, with narrow 20cm chl slips @5 & 30 TCA
	184.1	184.8	80	
	184.8	186.6	70	frctd wk
	186.6	194.3	80	
	194.3	194.4	70	frctd wk
	194.4	197.7	80	
	197.7	198.2	70	frctd wk
	198.2	203.2	80	
	203.2	203.3	70	two shear planes @ 25TCA
	203.3	205.1	80	
	205.1	205.2	70	frctd wk
	205.2	205.7	80	
	205.7	205.9	10	very strg frct broken
	205.9	212.4	80	
	212.4	212.7	60	frctd mod
	212.7	213.2	70	frctd wk 212.9/0.3, 213.1/0.1 cgs, wk magnetic
	213.2	213.8	20	very strg frct broken
	213.8	214.0	60	frctd mod
	214.0	214.5	70	frctd wk 214.1/0.6, 214.5/0.2 cgs, wk magnetic
	214.5	218.0	80	215.5/0.2, 216.1/0.2, 216.5/0.4, 217.2/0.7, 217.9/0.4 cgs, wk magnetic
	218.0	218.6	70	frctd wk 218.5/0.2 cgs, wk magnetic
	218.6	218.9	60	frctd mod
	218.9	219.5	80	
	219.5	219.7	10	very strg frct broken
	219.7	225.2	90	219.0/1.9, 220.0/1.8, 220.3/2.2, 220.65/0.0 cgs, wk magnetic

	225.2	225.5	70	frctd wk with low angle slips @ 5-0-5 TCA
	225.5	228.3	90	
	228.3	228.5	60	frctd mod
	228.5	235.7	90	
	235.7	236.0	70	frctd wk
	236.0	241.3	90	
	241.3	247.6	10	very strg frct broken
	247.6	249.1	80	
	249.1	249.7	70	frctd wk
	249.7	250.6	80	
	250.6	250.8	70	frctd wk
	250.8	251.0	80	EOH
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RQD & Mag Suscept

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APPENDIX B

ASSAY CERTIFICATES AND LIST OF ASSAYS RECEIVED FROM ACTIVATION LABORATORIES LTD FOR ALL DRILL CORE SAMPLES SUBMITTED FOR GOLD ANALYSES IN THIS REPORT

Quality Analysis ... *Innovative Technologies*

Date Submitted: 03-Mar-19
Invoice No.: A19-03207
Invoice Date: 13-Mar-19
Your Reference: Goganda West

Imetal Resources Inc.
510-580 Hornby Street
Vancouver BC V6C 3B6
Canada

ATTN: Johan Grandin

CERTIFICATE OF ANALYSIS

100 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Timmins (10g/m t) Au - Fire Assay AA

REPORT **A19-03207**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00351	0.005
IM00352	< 0.005
IM00353	< 0.005
IM00354	< 0.005
IM00355	< 0.005
IM00356	< 0.005
IM00357	0.006
IM00358	< 0.005
IM00359	0.049
IM00360	0.011
IM00361	0.012
IM00362	0.081
IM00363	< 0.005
IM00364	< 0.005
IM00365	0.005
IM00366	0.005
IM00367	< 0.005
IM00368	0.005
IM00369	< 0.005
IM00370	0.005
IM00371	1.29
IM00372	0.014
IM00373	0.026
IM00374	0.017
IM00375	0.417
IM00376	< 0.005
IM00377	0.029
IM00378	< 0.005
IM00379	0.183
IM00380	0.009
IM00381	0.013
IM00382	0.022
IM00383	0.010
IM00384	< 0.005
IM00385	< 0.005
IM00386	< 0.005
IM00387	< 0.005
IM00388	< 0.005
IM00389	0.015
IM00390	0.040
IM00391	0.451
IM00392	0.014

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00393	0.192
IM00394	0.261
IM00395	0.236
IM00396	0.006
IM00397	< 0.005
IM00398	0.005
IM00399	< 0.005
IM00400	< 0.005
IM00401	< 0.005
IM00402	0.029
IM00403	< 0.005
IM00404	0.185
IM00405	0.005
IM00406	0.293
IM00407	0.307
IM00408	0.111
IM00409	< 0.005
IM00410	0.866
IM00411	0.060
IM00412	0.455
IM00413	0.071
IM00414	0.130
IM00415	1.60
IM00416	0.227
IM00417	0.271
IM00418	0.123
IM00419	0.467
IM00420	0.814
IM00421	0.633
IM00422	0.363
IM00423	0.116
IM00424	0.211
IM00425	0.071
IM00426	0.367
IM00427	0.165
IM00428	0.202
IM00429	3.86
IM00430	0.406
IM00431	0.174
IM00432	1.58
IM00433	2.40
IM00434	0.410

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00435	0.331
IM00436	1.45
IM00437	0.023
IM00438	0.061
IM00439	0.135
IM00440	0.027
IM00441	0.092
IM00442	0.251
IM00443	5.40
IM00444	5.87
IM00445	0.016
IM00446	3.50
IM00447	0.202
IM00448	0.063
IM00449	0.045
IM00450	0.035

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
OREAS 224 Meas	2.18
OREAS 224 Cert	2.15
OREAS 224 Meas	2.16
OREAS 224 Cert	2.15
OREAS 224 Meas	2.16
OREAS 224 Cert	2.15
OREAS 224 Meas	2.24
OREAS 224 Cert	2.15
OREAS 224 Meas	2.24
OREAS 224 Cert	2.15
Oreas 221 (Fire Assay) Meas	1.08
Oreas 221 (Fire Assay) Cert	1.06
Oreas 221 (Fire Assay) Meas	1.07
Oreas 221 (Fire Assay) Cert	1.06
Oreas 221 (Fire Assay) Meas	1.06
Oreas 221 (Fire Assay) Cert	1.06
Oreas 221 (Fire Assay) Meas	1.08
Oreas 221 (Fire Assay) Cert	1.06
IM00360 Orig	0.012
IM00360 Dup	0.010
IM00370 Orig	0.005
IM00370 Dup	0.005
IM00380 Orig	0.010
IM00380 Dup	0.009
IM00395 Orig	0.235
IM00395 Dup	0.238
IM00400 Orig	< 0.005
IM00400 Split PREP DUP	< 0.005
IM00404 Orig	0.176
IM00404 Dup	0.195
IM00414 Orig	0.104
IM00414 Dup	0.155
IM00429 Orig	3.85
IM00429 Dup	3.86
IM00439 Orig	0.057

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00439 Dup	0.055
IM00443 Orig	5.30
IM00443 Dup	5.49
IM00449 Orig	0.045
IM00449 Dup	0.044
IM00450 Orig	0.035
IM00450 Split PREP DUP	0.041
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	0.005
Method Blank	< 0.005
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 19-Mar-19
Invoice No.: A19-04285
Invoice Date: 20-Mar-19
Your Reference: Gowganda West Project

Imetal Resources Inc.
510-580 Hornby Street
Vancouver BC V6C 3B6
Canada

ATTN: Johan Grandin

CERTIFICATE OF ANALYSIS

55 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Timmins (10g/m t) Au - Fire Assay AA

REPORT **A19-04285**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00451	0.032
IM00452	0.034
IM00453	0.045
IM00454	0.086
IM00455	0.069
IM00456	0.045
IM00457	0.560
IM00458	0.324
IM00459	0.292
IM00460	0.075
IM00461	0.209
IM00462	0.315
IM00463	0.776
IM00464	0.399
IM00465	0.153
IM00466	0.216
IM00467	0.119
IM00468	0.021
IM00469	0.005
IM00470	0.047
IM00471	0.351
IM00472	0.052
IM00473	0.008
IM00474	0.045
IM00475	0.052
IM00476	0.075
IM00477	0.043
IM00478	0.039
IM00479	1.31
IM00480	0.112
IM00481	0.107
IM00482	0.374
IM00483	0.169
IM00484	0.368
IM00485	0.537
IM00486	0.654
IM00487	0.414
IM00488	0.469
IM00489	0.273
IM00490	1.26
IM00491	0.203
IM00492	0.821

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00493	0.622
IM00494	5.97
IM00590	0.025
IM00591	0.035
IM00592	0.010
IM00593	0.071
IM00594	0.133
IM00595	0.331
IM00596	0.024
IM00597	0.031
IM00598	0.009
IM00599	0.006
IM00600	0.073

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
Oreas 221 (Fire Assay) Meas	1.10
Oreas 221 (Fire Assay) Cert	1.06
IM00460 Orig	0.074
IM00460 Dup	0.075
IM00470 Orig	0.047
IM00480 Orig	0.109
IM00480 Dup	0.115
IM00590 Orig	0.027
IM00590 Dup	0.023
IM00596 Orig	0.024
IM00596 Split PREP DUP	0.019
IM00599 Orig	0.007
IM00599 Dup	0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 24-Mar-19
Invoice No.: A19-04466
Invoice Date: 25-Mar-19
Your Reference: Gowganda West Project

Imetal Resources Inc.
510-580 Hornby Street
Vancouver BC V6C 3B6
Canada

ATTN: Johan Grandin

CERTIFICATE OF ANALYSIS

44 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Timmins (10g/m t) Au - Fire Assay AA

REPORT **A19-04466**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00601	0.038
IM00602	0.011
IM00603	0.060
IM00604	0.019
IM00605	0.027
IM00606	1.24
IM00607	0.019
IM00608	0.080
IM00609	0.265
IM00610	0.149
IM00611	0.042
IM00612	0.047
IM00613	0.086
IM00614	0.230
IM00615	0.106
IM00616	0.145
IM00617	0.262
IM00618	0.475
IM00619	0.245
IM00620	0.227
IM00621	0.013
IM00622	< 0.005
IM00623	0.015
IM00624	0.065
IM00625	0.244
IM00626	0.141
IM00627	0.357
IM00628	0.245
IM00629	0.402
IM00630	0.213
IM00631	0.013
IM00632	0.077
IM00633	1.07
IM00634	0.672
IM00635	0.987
IM00636	1.18
IM00637	0.068
IM00638	1.57
IM00639	< 0.005
IM00640	0.175
IM00641	0.627
IM00642	0.299

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00643	0.556
IM00644	0.400

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
Oreas 221 (Fire Assay) Meas	1.03
Oreas 221 (Fire Assay) Cert	1.06
Oreas 221 (Fire Assay) Meas	1.06
Oreas 221 (Fire Assay) Cert	1.06
IM00610 Orig	0.149
IM00610 Dup	0.149
IM00620 Orig	0.226
IM00620 Dup	0.228
IM00630 Orig	0.209
IM00630 Dup	0.216
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 27-Mar-19
Invoice No.: A19-04631
Invoice Date: 29-Mar-19
Your Reference: March 27/19

Imetal Resources Inc.
510-580 Hornby Street
Vancouver BC V6C 3B6
Canada

ATTN: Johan Grandin

CERTIFICATE OF ANALYSIS

95 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Timmins (10g/m t) Au - Fire Assay AA

REPORT **A19-04631**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00495	< 0.005
IM00496	0.026
IM00497	0.076
IM00498	0.049
IM00499	0.233
IM00500	0.084
IM00501	0.005
IM00502	0.005
IM00503	0.008
IM00504	0.008
IM00505	0.177
IM00506	< 0.005
IM00507	0.026
IM00508	0.129
IM00509	0.051
IM00510	0.031
IM00511	0.006
IM00512	0.006
IM00513	0.009
IM00514	0.035
IM00515	0.026
IM00516	1.42
IM00517	0.025
IM00518	0.049
IM00519	0.568
IM00520	0.582
IM00521	0.165
IM00522	0.030
IM00523	0.031
IM00524	< 0.005
IM00525	0.028
IM00526	0.205
IM00527	0.009
IM00528	0.017
IM00529	0.006
IM00530	0.014
IM00531	0.015
IM00532	0.007
IM00533	0.011
IM00534	0.021
IM00535	0.018
IM00536	1.30

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00537	0.008
IM00538	0.341
IM00539	0.027
IM00540	4.64
IM00541	0.005
IM00542	0.096
IM00543	0.261
IM00544	0.101
IM00545	0.030
IM00546	0.134
IM00547	0.017
IM00548	0.022
IM00549	0.050
IM00550	0.029
IM00551	0.276
IM00552	0.076
IM00553	0.080
IM00554	0.011
IM00555	0.588
IM00556	0.009
IM00557	0.009
IM00558	< 0.005
IM00559	0.005
IM00560	1.42
IM00561	0.011
IM00562	< 0.005
IM00563	< 0.005
IM00564	0.007
IM00565	0.007
IM00566	0.013
IM00567	0.787
IM00568	< 0.005
IM00569	0.752
IM00570	< 0.005
IM00571	0.079
IM00572	0.074
IM00573	0.009
IM00574	0.016
IM00575	0.005
IM00576	0.011
IM00577	0.040
IM00578	0.042

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00579	0.009
IM00580	0.005
IM00581	0.006
IM00582	< 0.005
IM00583	0.326
IM00584	0.091
IM00585	0.029
IM00586	0.016
IM00587	0.043
IM00588	0.263
IM00589	0.055

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
Oreas 221 (Fire Assay) Meas	1.09
Oreas 221 (Fire Assay) Cert	1.06
Oreas 221 (Fire Assay) Meas	1.10
Oreas 221 (Fire Assay) Cert	1.06
Oreas 221 (Fire Assay) Meas	1.06
Oreas 221 (Fire Assay) Cert	1.06
IM00504 Orig	0.008
IM00504 Dup	0.007
IM00514 Orig	0.036
IM00514 Dup	0.034
IM00524 Orig	< 0.005
IM00524 Dup	< 0.005
IM00539 Orig	0.027
IM00539 Dup	0.027
IM00544 Orig	0.101
IM00544 Split PREP DUP	0.071
IM00549 Orig	0.050
IM00559 Orig	0.005
IM00559 Dup	0.005
IM00574 Orig	0.016
IM00574 Dup	0.017
IM00584 Orig	0.094
IM00584 Dup	0.089
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 01-Apr-19
Invoice No.: A19-04795
Invoice Date: 04-Apr-19
Your Reference: Gowganda West Project

Imetal Resources Inc.
510-580 Hornby Street
Vancouver BC V6C 3B6
Canada

ATTN: Johan Grandin

CERTIFICATE OF ANALYSIS

142 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Timmins (10g/m t) Au - Fire Assay AA

REPORT **A19-04795**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00701	0.984
IM00702	0.066
IM00703	0.117
IM00704	0.174
IM00705	0.546
IM00706	0.077
IM00707	0.127
IM00708	0.061
IM00709	0.078
IM00710	0.191
IM00711	0.145
IM00712	0.209
IM00713	0.120
IM00714	0.634
IM00715	0.651
IM00716	0.161
IM00717	0.451
IM00718	0.281
IM00719	0.544
IM00720	0.307
IM00721	1.50
IM00722	0.268
IM00723	0.028
IM00724	0.097
IM00725	0.309
IM00726	0.369
IM00727	0.264
IM00728	0.096
IM00729	0.030
IM00730	0.139
IM00731	0.282
IM00732	0.205
IM00733	0.419
IM00734	0.078
IM00735	0.225
IM00736	< 0.005
IM00737	0.121
IM00738	0.108
IM00739	0.295
IM00740	0.109
IM00741	0.327
IM00742	0.108

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00743	0.053
IM00744	0.292
IM00745	0.058
IM00746	0.172
IM00747	0.286
IM00748	0.030
IM00749	0.210
IM00750	0.005
IM00751	0.176
IM00752	0.408
IM00753	0.220
IM00754	0.485
IM00755	1.89
IM00756	0.343
IM00757	3.20
IM00758	0.011
IM00759	0.076
IM00760	0.301
IM00761	0.600
IM00762	0.007
IM00763	0.043
IM00764	0.018
IM00765	0.245
IM00766	0.029
IM00767	0.118
IM00768	1.50
IM00769	0.097
IM00770	0.124
IM00771	0.029
IM00772	0.038
IM00773	0.011
IM00774	0.008
IM00775	0.019
IM00776	0.420
IM00777	0.046
IM00778	0.045
IM00779	1.40
IM00780	0.015
IM00781	0.413
IM00782	1.48
IM00783	1.59
IM00784	0.566

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00785	0.016
IM00786	0.086
IM00787	0.046
IM00788	0.533
IM00789	0.216
IM00790	0.262
IM00791	0.345
IM00792	0.304
IM00793	0.424
IM00794	0.007
IM00795	1.26
IM00796	0.750
IM00797	0.008
IM00798	0.701
IM00799	0.007
IM00800	0.499
IM00801	0.381
IM00802	0.277
IM00803	0.007
IM00804	0.612
IM00805	0.337
IM00806	0.324
IM00807	0.020
IM00808	0.113
IM00809	0.102
IM00810	0.141
IM00811	0.031
IM00812	0.007
IM00813	1.53
IM00814	0.273
IM00815	0.437
IM00816	0.142
IM00817	1.27
IM00818	0.086
IM00819	0.071
IM00820	0.314
IM00821	0.055
IM00822	0.082
IM00823	0.129
IM00824	0.192
IM00825	< 0.005
IM00826	0.008

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00827	0.005
IM00828	0.041
IM00829	0.007
IM00830	1.83
IM00831	2.47
IM00832	0.283
IM00833	0.057
IM00834	1.32
IM00835	0.683
IM00836	0.270
IM00837	0.979
IM00838	0.331
IM00839	0.024
IM00840	0.082
IM00841	0.454
IM00842	0.044

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
Oreas 221 (Fire Assay) Meas	1.12
Oreas 221 (Fire Assay) Cert	1.06
Oreas 221 (Fire Assay) Meas	1.02
Oreas 221 (Fire Assay) Cert	1.06
Oreas 221 (Fire Assay) Meas	1.04
Oreas 221 (Fire Assay) Cert	1.06
Oreas 221 (Fire Assay) Meas	1.05
Oreas 221 (Fire Assay) Cert	1.06
Oreas 221 (Fire Assay) Meas	1.02
Oreas 221 (Fire Assay) Cert	1.06
Oreas 221 (Fire Assay) Meas	1.03
Oreas 221 (Fire Assay) Cert	1.06
IM00710 Orig	0.171
IM00710 Dup	0.211
IM00720 Orig	0.307
IM00720 Dup	0.307
IM00730 Orig	0.136
IM00730 Dup	0.141
IM00745 Orig	0.056
IM00745 Dup	0.060
IM00751 Orig	0.176
IM00751 Split PREP DUP	0.161
IM00754 Orig	0.510
IM00754 Dup	0.461
IM00764 Orig	0.018
IM00764 Dup	0.018
IM00779 Orig	1.37
IM00779 Dup	1.43
IM00789 Orig	0.231
IM00789 Dup	0.201
IM00800 Orig	0.499
IM00800 Split	0.502

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
PREP DUP	
IM00800 Orig	0.501
IM00800 Dup	0.497
IM00813 Orig	1.57
IM00813 Dup	1.49
IM00823 Orig	0.133
IM00823 Dup	0.125
IM00833 Orig	0.061
IM00833 Dup	0.053
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	0.005
Method Blank	0.005
Method Blank	0.005
Method Blank	< 0.005
Method Blank	0.005
Method Blank	< 0.005
Method Blank	0.005
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 26-Apr-19
Invoice No.: A19-05953
Invoice Date: 29-Apr-19
Your Reference: Gowganda West Project

Imetal Resources Inc.
510-580 Hornby Street
Vancouver BC V6C 3B6
Canada

ATTN: Johan Grandin

CERTIFICATE OF ANALYSIS

67 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Timmins (10g/m t) Au - Fire Assay AA

REPORT **A19-05953**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00843	0.036
IM00844	0.027
IM00845	0.021
IM00846	0.012
IM00847	0.014
IM00848	0.032
IM00849	0.062
IM00850	0.010
IM00851	0.016
IM00852	0.043
IM00853	0.015
IM00854	0.011
IM00855	< 0.005
IM00856	0.012
IM00857	0.010
IM00858	0.052
IM00859	0.048
IM00860	0.019
IM00861	0.023
IM00862	< 0.005
IM00863	0.008
IM00864	0.019
IM00865	0.018
IM00866	0.015
IM00867	0.007
IM00868	0.159
IM00869	0.036
IM00870	0.089
IM00871	0.021
IM00872	0.030
IM00873	< 0.005
IM00874	0.018
IM00875	0.723
IM00876	0.005
IM00877	0.019
IM00878	2.08
IM00879	4.37
IM00880	0.207
IM00881	0.097
IM00882	0.162
IM00883	0.230
IM00884	1.29

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00885	0.681
IM00886	0.006
IM00887	< 0.005
IM00888	< 0.005
IM00889	< 0.005
IM00890	0.008
IM00891	0.020
IM00892	0.078
IM00893	< 0.005
IM00894	0.007
IM00895	< 0.005
IM00896	< 0.005
IM00897	0.471
IM00898	0.082
IM00899	0.320
IM00900	0.039
IM00901	< 0.005
IM00902	0.048
IM00903	0.005
IM00904	< 0.005
IM00905	0.315
IM00906	0.008
IM00907	0.010
IM00908	0.022
IM00909	0.012

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
Oreas 221 (Fire Assay) Meas	1.10
Oreas 221 (Fire Assay) Cert	1.06
Oreas 221 (Fire Assay) Meas	1.10
Oreas 221 (Fire Assay) Cert	1.06
IM00852 Orig	0.049
IM00852 Dup	0.037
IM00862 Orig	< 0.005
IM00862 Dup	0.005
IM00872 Orig	0.023
IM00872 Dup	0.037
IM00887 Orig	< 0.005
IM00887 Dup	< 0.005
IM00892 Orig	0.078
IM00892 Split PREP DUP	0.099
IM00896 Orig	< 0.005
IM00896 Dup	< 0.005
IM00906 Orig	0.008
IM00906 Dup	0.007
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 30-Apr-19
Invoice No.: A19-06067
Invoice Date: 09-May-19
Your Reference: Gowganda West Project

Imetal Resources Inc.
510-580 Hornby Street
Vancouver BC V6C 3B6
Canada

ATTN: Dave Gamble

CERTIFICATE OF ANALYSIS

143 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Timmins (10g/m t) Au - Fire Assay AA

REPORT **A19-06067**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00645	0.006
IM00646	0.006
IM00647	0.020
IM00648	0.005
IM00649	0.006
IM00650	0.010
IM00651	0.036
IM00652	0.011
IM00653	0.063
IM00654	0.010
IM00655	0.010
IM00656	0.010
IM00657	0.010
IM00658	0.221
IM00659	0.044
IM00660	0.313
IM00661	0.069
IM00662	0.023
IM00663	0.006
IM00664	0.053
IM00665	0.312
IM00666	0.008
IM00667	0.171
IM00668	0.830
IM00669	0.025
IM00670	0.083
IM00671	0.032
IM00672	0.005
IM00673	0.009
IM00674	0.021
IM00675	0.042
IM00676	0.064
IM00677	0.007
IM00678	0.013
IM00679	0.015
IM00680	0.007
IM00681	0.034
IM00682	0.171
IM00683	0.016
IM00684	0.021
IM00685	0.010
IM00686	0.178

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00687	1.57
IM00688	0.015
IM00689	0.016
IM00690	0.090
IM00691	0.034
IM00692	0.008
IM00693	0.007
IM00694	0.029
IM00695	0.008
IM00696	0.022
IM00697	0.013
IM00698	0.066
IM00699	0.023
IM00700	0.019
IM00910	< 0.005
IM00911	0.034
IM00912	0.042
IM00913	< 0.005
IM00914	0.088
IM00915	0.008
IM00916	0.019
IM00917	0.328
IM00918	0.039
IM00919	0.029
IM00920	0.022
IM00921	0.522
IM00922	0.202
IM00923	0.036
IM00924	0.038
IM00925	0.014
IM00926	0.011
IM00927	0.056
IM00928	0.022
IM00929	0.014
IM00930	0.010
IM00931	0.019
IM00932	0.025
IM00933	0.007
IM00934	< 0.005
IM00935	0.082
IM00936	0.063
IM00937	0.040

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00938	1.51
IM00939	0.024
IM00940	0.029
IM00941	0.112
IM00942	0.082
IM00943	0.007
IM00944	0.104
IM00945	0.030
IM00946	0.009
IM00947	0.053
IM00948	0.017
IM00949	0.086
IM00950	0.079
IM00951	0.091
IM00952	0.141
IM00953	0.095
IM00954	0.203
IM00955	0.050
IM00956	0.062
IM00957	0.069
IM00958	0.082
IM00959	0.301
IM00960	0.074
IM00961	0.052
IM00962	0.021
IM00963	0.019
IM00964	< 0.005
IM00965	0.030
IM00966	0.075
IM00967	0.020
IM00968	0.015
IM00969	0.031
IM00970	0.022
IM00971	0.103
IM00972	0.216
IM00973	0.028
IM00974	0.016
IM00975	0.045
IM00976	0.061
IM00977	0.261
IM00978	0.021
IM00979	0.059

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00980	0.043
IM00981	1.39
IM00982	0.007
IM00983	0.027
IM00984	0.011
IM00985	0.049
IM00986	< 0.005
IM00987	0.064
IM00988	1.55
IM00989	0.058
IM00990	0.014
IM00991	0.006
IM00992	0.037
IM00993	0.006
IM00994	0.028
IM00995	0.050
IM00996	0.185

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
Oreas 221 (Fire Assay) Meas	1.12
Oreas 221 (Fire Assay) Cert	1.06
Oreas 221 (Fire Assay) Meas	1.10
Oreas 221 (Fire Assay) Cert	1.06
Oreas 221 (Fire Assay) Meas	1.08
Oreas 221 (Fire Assay) Cert	1.06
Oreas 221 (Fire Assay) Meas	1.08
Oreas 221 (Fire Assay) Cert	1.06
Oreas 221 (Fire Assay) Meas	1.01
Oreas 221 (Fire Assay) Cert	1.06
IM00654 Orig	0.010
IM00654 Dup	0.010
IM00664 Orig	0.053
IM00664 Dup	0.052
IM00674 Orig	0.022
IM00674 Dup	0.021
IM00689 Orig	0.016
IM00689 Dup	0.016
IM00694 Orig	0.029
IM00694 Split PREP DUP	0.029
IM00698 Orig	0.065
IM00698 Dup	0.067
IM00918 Orig	0.039
IM00918 Dup	0.040
IM00932 Orig	0.023
IM00932 Dup	0.027
IM00942 Orig	0.078
IM00942 Dup	0.086
IM00952 Orig	0.146
IM00952 Dup	0.136
IM00953 Orig	0.095
IM00953 Split PREP DUP	0.097
IM00966 Orig	0.075

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00966 Dup	0.074
IM00976 Orig	0.063
IM00976 Dup	0.059
IM00986 Orig	< 0.005
IM00986 Dup	< 0.005
Method Blank	< 0.005
Method Blank	0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 08-May-19
Invoice No.: A19-06402
Invoice Date: 12-May-19
Your Reference: Gowganda West Project

Imetal Resources Inc.
510-580 Hornby Street
Vancouver BC V6C 3B6
Canada

ATTN: Dave Gamble

CERTIFICATE OF ANALYSIS

164 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Timmins (10g/m t) Au - Fire Assay AA

REPORT **A19-06402**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM00997	0.005
IM00998	0.111
IM00999	0.031
IM01000	0.015
IM01001	0.015
IM01002	0.007
IM01003	< 0.005
IM01004	< 0.005
IM01005	0.150
IM01006	0.027
IM01007	0.006
IM01008	0.005
IM01009	0.028
IM01010	0.106
IM01011	0.262
IM01012	0.463
IM01013	0.106
IM01014	0.120
IM01015	0.090
IM01016	0.496
IM01017	0.070
IM01018	1.67
IM01019	0.084
IM01020	0.103
IM01021	0.018
IM01022	0.041
IM01023	0.034
IM01024	0.023
IM01025	< 0.005
IM01026	0.265
IM01027	0.005
IM01028	0.014
IM01029	0.088
IM01030	0.086
IM01031	0.015
IM01032	0.006
IM01033	0.011
IM01034	0.008
IM01035	0.050
IM01036	0.068
IM01037	0.341
IM01038	0.061

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM01039	0.013
IM01040	0.274
IM01041	0.019
IM01042	0.059
IM01043	0.021
IM01044	0.018
IM01045	0.011
IM01046	0.008
IM01047	0.080
IM01048	0.022
IM01049	< 0.005
IM01050	0.714
IM01051	0.015
IM01052	0.031
IM01053	0.015
IM01054	0.126
IM01055	6.13
IM01056	0.130
IM01057	0.031
IM01058	0.193
IM01059	0.024
IM01060	0.014
IM01061	0.056
IM01062	1.28
IM01063	0.050
IM01064	0.022
IM01065	0.019
IM01066	0.014
IM01067	0.011
IM01068	0.006
IM01069	0.015
IM01070	0.008
IM01071	< 0.005
IM01072	0.006
IM01073	0.005
IM01074	0.006
IM01075	0.009
IM01076	0.009
IM01077	0.005
IM01078	< 0.005
IM01079	0.013
IM01080	0.027

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM01081	0.071
IM01082	0.094
IM01083	0.141
IM01084	0.284
IM01085	0.224
IM01086	0.008
IM01087	0.019
IM01088	0.008
IM01089	0.007
IM01090	0.009
IM01091	0.049
IM01092	0.093
IM01093	0.036
IM01094	0.029
IM01095	0.013
IM01096	0.020
IM01097	0.030
IM01098	0.010
IM01099	0.021
IM01100	0.137
IM01101	0.067
IM01102	0.017
IM01103	0.068
IM01104	0.014
IM01105	0.015
IM01106	0.028
IM01107	1.23
IM01108	0.042
IM01109	0.007
IM01110	0.016
IM01111	0.014
IM01112	0.011
IM01113	< 0.005
IM01114	0.045
IM01115	0.070
IM01116	0.149
IM01117	0.010
IM01118	0.210
IM01119	0.064
IM01120	0.020
IM01121	0.064
IM01122	0.016

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM01123	0.022
IM01124	0.012
IM01125	0.012
IM01126	0.011
IM01127	0.022
IM01128	0.031
IM01129	0.277
IM01130	0.022
IM01131	0.025
IM01132	0.014
IM01133	0.015
IM01134	0.011
IM01135	< 0.005
IM01136	0.043
IM01137	0.018
IM01138	0.018
IM01139	0.008
IM01140	0.013
IM01141	0.010
IM01142	0.006
IM01143	0.010
IM01144	0.043
IM01145	0.006
IM01146	0.009
IM01147	0.051
IM01148	0.011
IM01149	0.014
IM01150	0.011
IM01151	1.49
IM01152	0.014
IM01153	< 0.005
IM01154	0.011
IM01155	0.010
IM01156	0.010
IM01157	0.049
M5867	0.008
M5868	0.011
M5869	0.116

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
Oreas 221 (Fire Assay) Meas	1.06
Oreas 221 (Fire Assay) Cert	1.06
Oreas 221 (Fire Assay) Meas	1.08
Oreas 221 (Fire Assay) Cert	1.06
Oreas 221 (Fire Assay) Meas	1.05
Oreas 221 (Fire Assay) Cert	1.06
Oreas 221 (Fire Assay) Meas	1.05
Oreas 221 (Fire Assay) Cert	1.06
Oreas 221 (Fire Assay) Meas	1.06
Oreas 221 (Fire Assay) Cert	1.06
IM01006 Orig	0.029
IM01006 Dup	0.026
IM01016 Orig	0.502
IM01016 Dup	0.490
IM01026 Orig	0.245
IM01026 Dup	0.284
IM01041 Orig	0.017
IM01041 Dup	0.021
IM01046 Orig	0.008
IM01046 Split PREP DUP	0.009
IM01050 Orig	0.721
IM01050 Dup	0.707
IM01060 Orig	0.014
IM01060 Dup	0.014
IM01075 Orig	0.009
IM01075 Dup	0.010
IM01085 Orig	0.221
IM01085 Dup	0.227
IM01095 Orig	0.012
IM01095 Dup	0.013
IM01096 Orig	0.020
IM01096 Split PREP DUP	0.020
IM01109 Orig	0.006

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM01109 Dup	0.007
IM01119 Orig	0.064
IM01119 Dup	0.063
IM01130 Orig	0.022
IM01130 Dup	0.022
IM01144 Orig	0.044
IM01144 Dup	0.042
IM01146 Orig	0.009
IM01146 Split PREP DUP	0.011
IM01153 Orig	< 0.005
IM01153 Dup	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 06-Sep-19
Invoice No.: A19-11862
Invoice Date: 09-Sep-19
Your Reference: SEPT 06, 2019

Imetal Resources Inc.
510-580 Hornby Street
Vancouver BC V6C 3B6
Canada

ATTN: Johan Grandin

CERTIFICATE OF ANALYSIS

5 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)

REPORT **A19-11862**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
IM01158	0.087
IM01159	0.012
IM01160	0.034
IM01161	0.020
IM01162	0.015

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
Oreas 221 (Fire Assay) Meas	1.06
Oreas 221 (Fire Assay) Cert	1.06
Method Blank	< 0.005