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Report on the 2022 Exploration Program

Drayton-Black Lake Property

Sioux Lookout, Ontario, Canada

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May 25, 2023

for

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Table of Contents

TABLE OF CONTENTS I
TABLE OF FIGURES II
SUMMARY iv
INTRODUCTION 1
PROPERTY DESCRIPTION 4
Physiography 4
Infrastructure 5
Accessibility 6
HISTORY 7
Exploration History (2000-2021) 7
GEOLOGICAL SETTING AND MINERALIZATION 13
Regional Geology 13
Property Geology 20
Mineral Occurrences 22
2022 EXPLORATION PROGRAM 32
Regional Compilation (GIS / Data Analysis) Program 32
Airborne Geophysical Survey (Magnetometer + Time Domain EM) 36
Reconnaissance Field Program 40
2022 Channel Sampling Program 45
CONCLUSIONS 54
DISCUSSION 57
REFERENCES 60
CERTIFICATE OF QUALIFICATIONS 62
APPENDIX I 63
LIST OF CLAIMS – Drayton-Black Lake Property 63
APPENDIX II 77
Reconnaissance Field Program – Sample Description 77
APPENDIX III 78
Channel Program – Sample Description 78
APPENDIX IV – Analytical CERTIFICATES 81
APPENDIX V – Geophysical Survey 82
APPENDIX VI – GRAB SAMPLE MAPS 83
APPENDIX VII – CHANNEL SAMPLE MAPS 84
APPENDIX IX – DAILY LOG 85
APPENDIX X – MINING CLAIM WORK BREAKDOWN 86

Table of Figures

Figure 1. Surface Rights Ownership ("SRO") for the Drayton-Black Lake Property including road access..... 3

Figure 2. Drayton-Black Lake Property claims, options agreements and boundary (UTM NAD83 Z15N). 4

Figure 3. Typical exposure of glacially polished bedrock surrounded by seasonal swamp areas with new growth forest..... 5

Figure 4. Property location map showing access roads and power line corridor (n.b. only shown within property limits). 6

Figure 6. 2020 Till survey sample results (visible gold grain count) with mineral (Au) gold occurrences (see Fig. 7 for Mineral Occurrence labels). 11

Figure 8. Map of Superior Province and sub-provinces showing the location of the Drayton-Black Lake Property (after Clark, 2022). 14

Figure 9. Drayton-Black Lake Property (blue polygon) with regional geological domains, after Devaney (2000). 15

Figure 10. Regional setting of the Eagle-Wabigoon-Minnitaki greenstone belt with gold deposits and occurrences. Note, the Goliath Gold Complex (GGC) includes the Goliath, Goldlund, Miller deposits as well as other known occurrences. 17

Figure 11. Geology map for Drayton-Black Lake Property (modified from Map P.3762, Lewis et al., 2011)..... 20

Figure 12. Drayton-Black Lake Property Geology with mineral occurrences (modified after Ontario Geological Survey, 2022). 23

Figure 13. Plan view map of Split Lake Gold Mine (after ARV46, 1937)..... 25

Figure 14. Field photo (2022) of Split Lake Gold Mines assay office (see Fig. 13 for location)..... 25

Figure 15. Underground workings (section and plan) of Split Lake Gold Mine (after ARV46, 1937). 25

Figure 16. Alcona (Main) mine development ca. 1936-37 (from ARV46, 1937)..... 28

Figure 17. Example of geophysical data compilation; Re-processed airborne resistivity (after Ontario Geological Survey, 2002) over digital elevation model produced from 2022 airborne survey data..... 33

Figure 18. Example of geochemistry data compilation for Drayton-Black Lake Property (tills = triangle symbols; soil samples = circle symbols and soil survey areas are noted on map with red circles)..... 34

Figure 19. Drilling compilation with an example of detailed work from Moretti-Main Target. 35

Figure 20. Flight line coverage 2022 helicopter Mag/EM survey, Drayton-Black Lake Property (n.b. tie-lies removed). 37

Figure 21. 2022 airborne magnetic data grid (Tilt Mag; see report Appendix V) with gold occurrences (red star) modified after Ontario Geological Survey, (2022). See Fig. 12 for Au occurrence labels. 38

Figure 22. 2022 airborne time-domain data; mid-time EM results (gridded) with automated Tau anomaly picks. Gold occurrences (red star) modified after Ontario Geological Survey (2022). See Fig. 12 for gold Mineral Occurrence labels. 39

Figure 23. New outcrop exposure at New Millennium T7 prospect area. 40

Figure 24. Close-up photograph of quartz veins (vein arrays) at New Millennium T7 prospect area (marked for measurement). .40

Figure 25. Proportional symbol plot of Au in rock samples from 2022 field program..... 41

Figure 26. Gold deportment QEMSCAN particle mapping and sample photo for Sample #2 (see Fig. 29 for legend)..... 43

Figure 27. Gold deportment QEMSCAN particle mapping and sample photo for Sample #2 (see Fig. 29 for legend). 43

Figure 28. Gold deportment QEMSCAN particle mapping and sample photo for Sample #2 (see Fig. 29 for legend). 43

Figure 29. Silver deportment for Sample #5, QEMSCAN particle mapping (see Fig. 28 for sample photo and gold grain map). 44

Figure 30. Alcona-Main North Vein Set (NVS) prospect channel sample locations and results over new airborne magnetic data..46

Figure 31. Alcona-Main Central Vein Set (CVS) prospect channel sample locations and results over new airborne magnetic data.47

Figure 32. Channel sample D909453 (Alcona-Main-Central vein set prospect) returned 21.9 g/t Au and 121 g/t Ag over 1.0 m. .48

Figure 33. Channel sample D909471 (Alcona-Main-North vein set prospect) returned 19.15 g/t Au and 72.8 g/t Ag over 0.8 m..48

Figure 34. Alcona-Pond prospect channel sample locations and results with new airborne magnetic data.....49

Figure 35. Complex folded vein arrays; Alcona-Pond-Power Line prospect.....49

Figure 36. Channel sample D909353 (Alcona-Pond-Power Line prospect) returned 15.75 g/t Au and 45.1 g/t Ag over 1.0 m.....49

Figure 37. Shear-hosted quartz vein array, New Millennium channel site CH-22-18 (T9 prospect).....50

Figure 38. Channel sample D916552 (Alcona-New Millennium-T7 prospect) returned 11.15 g/t Au and 51.4 g/t Ag over 1.0 m. .50

Figure 39. Alcona-New Millennium target channel sample locations and results with new airborne magnetic data.....51

Figure 40. Shallow-dipping discordant vein (black line), Moretti-Main North Vein prospect.....52

Figure 41. Channel sample F809507 (Moretti-Main North Vein prospect) returned 51.5 g/t Au and 1.38 g/t Ag over 1.0 m.....52

Figure 42. Map of channel locations and till (compilation) data over 2022 mag survey / DEM data.....53

Figure 43. Scatterplot (logarithmic scale) of Au versus ppm Ag (Y-axis) with a comparison of Alcona (i.e. Alcona Main, Pond and New Millennium targets) and Moretti rock samples (i.e. Moretti prospects).....55

Figure 44. Scatterplot (logarithmic scale) of Au versus ppm Te (Y-axis) for rock samples.....55

Figure 45. Scatterplot of Ag versus ppm Te (Y-axis) for rock samples from DBL Property.....55

SUMMARY

In 2022, Heritage Mining Ltd. ("**Heritage**" or "**Company**") carried out regional exploration work on the Drayton-Black Lake Property as part of property-wide reconnaissance program to identify priority targets and improve geological control in support of a drilling program. During this period, Heritage initiated consultation with local stakeholders including First Nation groups. Municipal, local resident and business consultations were also initiated to facilitate current and future work plans.

The Drayton-Black Lake property has a sporadic history of gold exploration over the past one hundred years. There are dozens of high-grade gold occurrences within the property including two past mines, at Alcona and Split Lake.

The Company initiated a detailed property-wide compilation of previous geological and exploration information in Q1 performed by Longford Exploration. Historic data was compiled into a three-dimensional GIS database for use in targeting and field program planning. Prospectair Geosurvey was contracted to acquire high-resolution helicopter magnetic (MAG) and time-domain electromagnetic (TDEM) data over the project from April 17 to 16, 2022 consisting of 1,574 l-km flown.

A team of eight contract geologists (Harrison Reid, Tommy Clark, Daniel Chodur, AJ MacLaurin, Sam Atterley, Rick Horne, and Mitch Lavery) and three prospectors (Claude Jacques, Edward Blackned, Gabrieal Brazeau) , were based out of Sioux Lookout for a five-month program and completed a two-phase approach of prospecting, mapping and sampling. The first phase included a regional program of mapping and sampling of mineral occurrences, new outcrop exposures and follow-up of geochemical targets, based on the compilation of data from previous till surveys. In total 240 grab samples were collected. The field program began July 15, 2022 and finished October 27, 2022 for a total of 79 days in the field.

The second phase of the 2022 exploration program consisted of a deportment study, completed by Activation Laboratories and detailed channel sampling and multi-element analysis of select targets previously evaluated in the reconnaissance program. Forty-eight (48) channels were cut on fourteen (14) prospects in five (5) priority targets within two (2) project areas (i.e. Moretti and Alcona). In total there were 322 samples submitted for analysis which consisted of 279 rock samples and 43 QA/QC samples. Channel sampling was carried out from October 8 to October 23, 2022 for a total of 16 days in the field.

All sample locations are in NAD83 UTM Zone 15N.

The program was successful in confirming high-grade Au-Ag mineralization exposed at surface in numerous areas throughout the property. Additional field work, analysis (e.g., QEMSCAN) and data processing (e.g., magnetic modelling) better characterized the styles of mineralization and collectively, provide a basis for a more robust exploration program planned for 2023. The results of the 2022 exploration program confirm the potential of the property to host significant, near-surface high-grade gold deposits.

This report summarizes the geophysical data acquisition and preliminary interpretation of regional geological, geochemical and geophysical data.

Magnetic map patterns effectively reflect the structural a complexity of the Archean Eagle-Wabigoon-Manitou Greenstone Belt ("**WGB**") in the project area. Both volcanic and intrusive rocks are generally characterized by linear magnetic anomalies (e.g., mafic, intermediate and felsic magnetostratigraphy) that can be characterised by km-scale broad arcuate trends or by 200-400m scale discontinuous folds (magnetic map patterns). All occurring within the regional NE-SW belt tectonic framework or primary "architecture." There is a strong positive correlation between Au, Ag and Te across a wide range of Au grades. New multi-element data and deportment work confirm the presence of Au-Ag tellurides and indicate two or more mineralization. In addition, Moretti mineralization, characterized by high Au:Ag ratio appears distinct form from that found in the Alcona area, characterized by a much lower Au:Ag ration.

Despite a long history of gold exploration, the Property is under explored and lacks a comprehensive, systematic understanding of three-dimensional controls on the known high-grade Au-Ag mineralization. Therefore, a systematic compilation of historical data should continue in support of a detailed mapping and sampling program along with a scout drill program on three priority targets (Moretti, Alcona and New Millennium) is proposed. New drill core will provide the opportunity for a three-dimensional structural analysis in areas with significant high-grade Au-Ag mineralization.

The 2022 reconnaissance exploration program provided confirmation that there are large, high-grade gold-silver mineralizing systems located within the Drayton-Black Lake property. While much of the property has yet to be systematically explored, several priority targets based on previous data and 2022 results warrant substantial but systematic follow up.

A key recommendation for work moving forward on this project is a priority focus on geological mapping, more specifically structural mapping at both the regional and detailed levels to i) understand the primary architecture of the Drayton-Black Lake gold system(s) and ii) develop ore control models (i.e. secondary or tertiary architecture) for drill targeting and future resource definition.

The internal structural fabric of the belt is virtually undefined (cf. 2022 magnetic data with Lewis, 2011) yet field observations from 2022 prospecting, mapping and channel sampling demonstrate unequivocally the substantive role of structure (*sensu lato*) in ore control.

Therefore, a multi-phase exploration program is recommended beginning with a detailed mapping campaigns (1-2 months) at Alcona and New Millennium to identify targets and controls for an immediate follow-up drill program

INTRODUCTION

Heritage Mining Ltd. ("**Heritage**") is a newly formed junior exploration company that completed its Initial Public Offering in August 2022. The Drayton-Black Lake Property (the "**Property**") is comprised of exploration claims owned by Heritage and two claim packages subject to option agreements with two arms-length vendors. Heritage has active earn-in option agreements with i) Group Ten Metals Inc. ("**G10 Option**") and ii) Patrick Paul Riives ("**Alcona Option**"). The Company also completed a purchase agreement with Bounty Gold ("**Bounty Claims**") and these claims have been transferred to Heritage Mining (100%) subject to a 1% NSR. Collectively, the Property covers more than 15,000 ha and includes 770 claims (SCMC and BCMC).

The Drayton-Black Lake Property is located due east of Sioux Lookout, in the Archean Eagle-Wabigoon-Manitou Greenstone Belt ("**WGB**") in the Wabigoon Subprovince of the Superior Province. The belt is known by several other names including the Sioux Lookout Greenstone Belt.

The Wabigoon Subprovince hosts several "atypical" Archean gold deposits including the Rainy River mine near Fort Francis (New Gold Inc.; TSX-NGD) and the 2.5 Moz Goliath gold deposit (Treasury Metals Inc.; TSX-TML) approximately 60 km SW of Sioux Lookout (Table 1). Other "more typical" orogenic-style deposits (e.g., discrete quartz vein hosted) include Kenwest, Miller and Goldlund. Regardless of the genetic model, gold mineralization in the WGB is greenstone-hosted, orogenic gold, primarily structurally controlled and displays characteristics similar to many other large well-known gold systems (e.g., Red Lake and Kirkland Lake).

Table 1. *Mineral resource summary for the Goliath Gold Complex (Treasury Metals, 2021).*

Deposit	Classification	Cut-Off (g/t Au)	Tonnage (kt)	Grade (g/t Au)	Gold (koz)
Goliath	Open Pit	0.25	1,471	1.90	90
Goliath	Underground	1.60	98	4.94	16
		Sub-Total – Measured			105
Goliath	Open Pit	0.25	26,956	0.87	757
Goliath	Underground	1.60	2,592	3.16	263
Goldlund	Open Pit	0.26	24,300	1.07	840
		Sub-Total – Indicated			1,860
		M+I			1,965
Goliath	Open Pit	0.25	3,644	0.65	76
Goliath	Underground	1.60	704	2.75	62
Goldlund	Open Pit	0.25	14,400	0.56	260
Goldlund	Underground	1.60	233	6.80	51
Miller	Open Pit	0.26	1,981	1.24	79
		Sub-Total Inferred			528

The Drayton and Black Lake areas have been explored for gold for more than 100 years. Limited scale gold mining has occurred in the area and on the property (e.g., Alcona and Split Lake mines ca. 1936-37).

However, previous work was almost entirely conducted on small land parcels by individual owners and discontinuous exploration campaigns may years apart. Prior to consolidation of many claims by Group Ten and subsequently by Heritage, this part of the WGB has not seen any systematic modern exploration efforts.

Heritage is focussed on establishing high-tenor Au (Au + Ag) exploration targets by developing a comprehensive understanding of regional structural and stratigraphic controls to provide context for concurrent data compilations and planned reconnaissance drill testing.

SURFACE RIGHTS OWNERSHIP (SRO)

The Property is comprised largely of crown land (>97%) with small internal block of Mining Tenure (patented ground) and a small area of Non-Mining Tenure (Fig. 1). Much of the property has been subject to commercial logging and active operations continued in 2022 (e.g., Lac Seul Forest plans). There are no substantial structures or developments on the property other than a new transmission line right-of-way (Fig. 4). The active railway system skirts the western and northern portion of the Property along the east side of Botsford Lake (Fig. 1)

FIRST NATIONS

First Nations play an integral role in the management and development of the natural resources in this area of Ontario. The main option holders have had long-standing relations with First Nations groups and Group Ten Metals has a record of positive engagement and dialogue with the Lac Seul First Nation specifically concerning the Drayton-Black Lake Property. An Exploration Permit remains active for drilling (DD and RC) work on select claims within the G10 Option (Table 2).

Heritage has continued this engagement with direct dialogue and communication including online and in-person meetings and information exchange (e.g., Lac Seul First Nation "**LSFN**" and Ojibway Nation of Saugeen; "**ONS**").

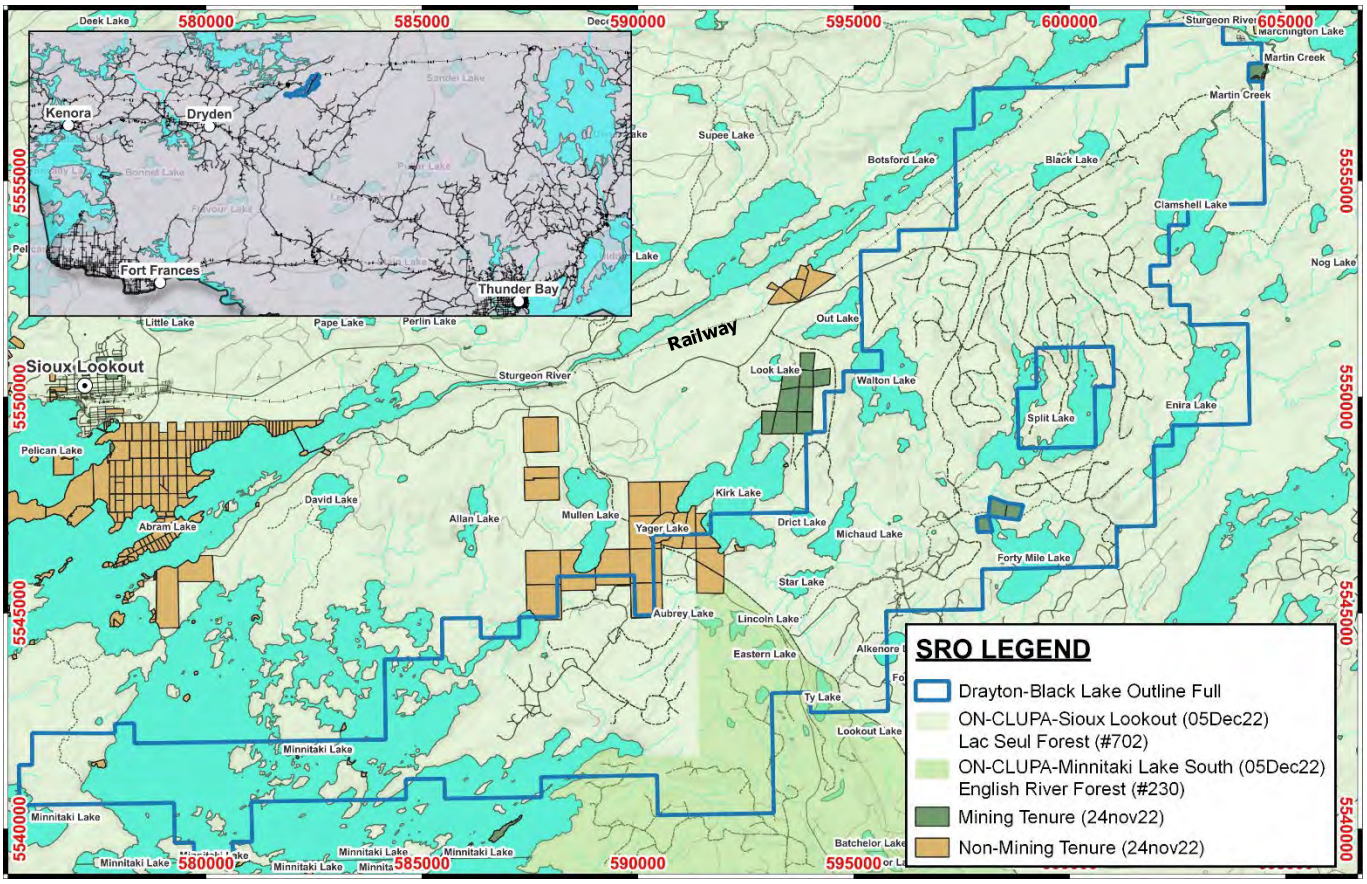


Figure 1. *Surface Rights Ownership ("SRO") for the Drayton-Black Lake Property including road access.*

Table 2. Group Ten Metals Drayton-Black Lake Exploration Permit details (see Fig. 2 for G10 claims).

EARLY EXPLORATION ID	CLAIMHOLDER(s)	TOWNSHIP(s)	PROJECT NAME
PR-20-000109	GROUP TEN METALS INC	BENEDICKSON	Drayton-Black Lake
11Aug2020		SHARRON LAKE AREA	
To		ZARN LAKE AREA	
10Aug2023		DRAYTON	

Plan Activities:
Mechanized Drilling (Assembled Weight <= 150kg)
Permit Activities:
Mechanized Drilling (Assembled Weight >150kg)
Non-Prescribed Activities:
Trails (TS)
Roads (RC)

PROPERTY DESCRIPTION

The Drayton-Black Lake Property consists of 770 mineral claims[1] covering 15,256 ha within the Patricia Mining Division (Appendix I). Heritage has purchased mineral claims and entered into two earn-in option agreements whereby the Company can earn a majority interest in mineral claims (subject to royalties), collectively comprising the Drayton-Black Lake Property. Heritage can earn up to 90% subject to a 2% NSR on the Group Ten Option Claims and 100% subject to a 2% NSR on the Riives Option Claims.

This work report covers work completed by Heritage in 2022 related the collective Drayton-Black Lake Property (Fig. 2).

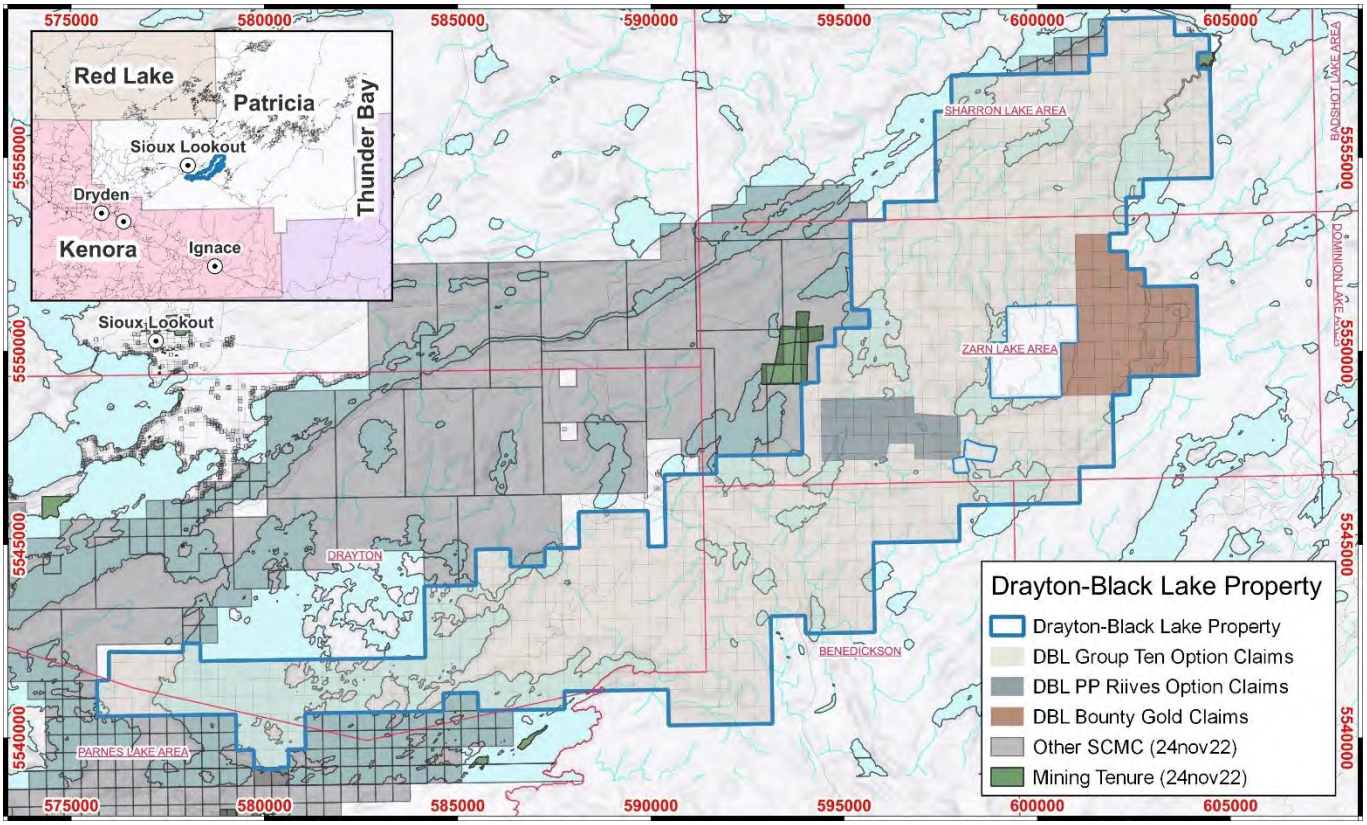


Figure 2. *Drayton-Black Lake Property claims, options agreements and boundary (UTM NAD83 Z15N).*

PHYSIOGRAPHY

The Property is typical of Canadian Shield setting, consisting of lakes, low-lying (seasonal) swampy areas, raised rocky ridges and variable overburden (Fig. 3). Outcrop and local boulder patches are common along the ridges. Within the property, topographic relief is typically gentle (10-20 m) with local ridge formations (<50 m). Elevation

[1] *Inclusive of boundary claim cells (BCMC) within and between optionors common to Heritage option agreements.*

in the property ranges from 355 to 445 m above mean sea level. Overburden is generally thin to moderately thick (e.g., 1-5 m) glaciofluvial and glaciolacustrine sediments with local deposits of eolian sands and gravels.

Vegetation within the topo lows consists of moderate sized cedar swamps and cedar forests with dwarf birch and willow brush. The topographically higher zones comprise areas of cedar, jack-pine, spruce, white and rock maple, poplar, and balsam with dwarf willow thickets.

Figure 3. *Typical exposure of glacially polished bedrock surrounded by seasonal swamp areas with new growth forest.*

Much of the property has been subject to commercial logging and active operation continue throughout the eastern half of the property (n.b. providing additional access for exploration activities).

A new high-voltage power line corridor (~ 75 m wide) transects the eastern half of the property (Fig. 4).

INFRASTRUCTURE

The Drayton-Black Lake project benefits from excellent local and regional infrastructure, supplies and services. Thunder Bay is located approximately 425 km, by road, southeast of the property and is a major regional transport and service hub with a population of approximately 110,000. There are daily flights between Thunder Bay and Sioux Lookout's regional airport. Thunder Bay has commercial, technical (e.g., analytical labs) and operational support services, equipment, and skilled labour for mineral exploration and mining. Some support and supply services are

also available out of the town of Dryden, Ontario located approximately 80 km, by road, southwest of the Property (e.g., Fig 4).

Local infrastructure and support are provided via the town of Sioux Lookout. Located less than 20 km from the property Sioux Lookout contains a regional airport as well as fuel, food, supplies, minor industrial services and emergency medical facilities.

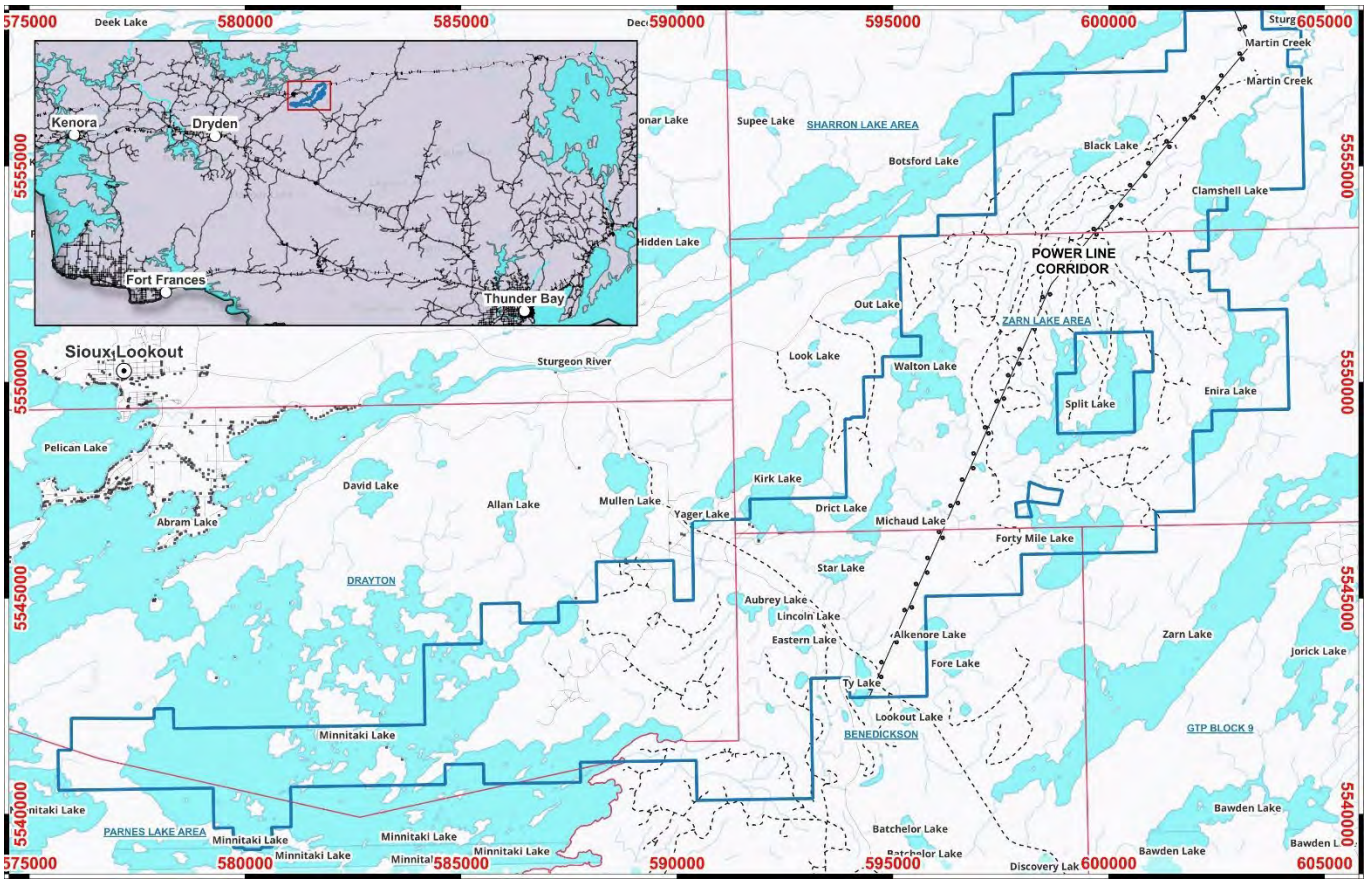


Figure 4. *Property location map showing access roads and power line corridor (n.b. only shown within property limits).*

ACCESSIBILITY

The Property can be reached from Thunder Bay, Ontario by travelling west on Highway 11/17 until Dinorwic (Highway 72 intersection), then north towards Sioux Lookout.

From Sioux Lookout, the Property is located along Highway 642 east (approximately 10 km) and local access is by way of several active logging roads. Within the property there are many well-maintained logging roads and trails providing extensive site access (Fig. 4). The southern portion of the property has more limited access and exploration activities may be better accomplished through boat access.

HISTORY

The brief summary of the early (ca. 1920-1999) exploration and mine development in the Drayton-Black Lake Property is captured in the Mineral Occurrences section of the Geological Setting. A common theme throughout this extended period is the disparate property ownership and, although extensive through time, the limited scale of individual exploration and development campaigns. Historical property / prospect references commonly partially overlap and as such Heritage recognized the need to commence a comprehensive property compilation program. Many previous owners remarked on the need for such an effort but there is no evidence that this has ever been completed to any appreciable level.

Some recent work ca. 2000-2021 was focussed on Moretti (e.g., Cameco and Group Ten), Black Lake (e.g., Cameco and Placer Dome), Alcona-Main (e.g., Patricia Mining), New Millennium (e.g., Riives). Most recently, Group Ten Metals consolidated a large portion of the Drayton-Black Lake property (e.g., Fig. 2) and completed regional exploration work including geophysical interpretation, till sampling campaigns and a limited drill program. The company also completed a minor core re-sampling program in 2021.

Thus, the Property has yet to have been the subject of a comprehensive, systematic modern exploration program.

EXPLORATION HISTORY (2000-2021)[1]

RIIVES (CA. 1998-2011) – NEW MILLENNIUM (ALCONA) SAMPLING

In 1999-2000 Riives (1999) completed a series of trenches on the New Millennium property. These results are discussed in the Mineral Occurrence section (Geological Setting). Results were positive but there has been limited follow-up work since then. Occasional prospecting and sampling of the New Millennium, "Trench Pond" and Alcona "Mine" and Alcona "Pond" areas (i.e. the Alcona Property Option) have been completed (e.g., Riives, 2011). The New Millennium Target has never been drilled or subject to a systematic exploration campaign.

CAMECO CORP (1998-2002) – MORETTI AND BLACK LAKE DRILLING

The 1998 diamond drill program evaluated the possible strike extension of one of the secondary structures related to the Moretti Deformation Zone ("**MDZ**"). The best results were obtained from BLK-98-04 and BKL-98-05, which tested the interpreted contact between the gabbro and transition zone. A fence of holes delineated a zone of gold mineralization over 150 m in width, made up of discrete zones of brittle deformation and quartz veining. Mineralization was associated with fracture filled quartz-tourmaline-chlorite-carbonate veins oriented at variable angles to the overall deformation zone. Results obtained from the two best mineralized drill holes include 9.91 g/t Au over 1 m and 7.24g/t Au over 0.1 m (Chubb, 1999a).

A notable result from a multi-element analysis of 23 high-grade (>10 g/t Au) samples was the high Au:Ag ratio (9.24:1) and strong positive correlation between Au and Ag (R^2>0.9).

In 1999, Cameco Gold completed and additional thirty-eight diamond drill holes, geochemical sampling and trenching on the "Black Lake Property", which covered the area of Black Lake and north (i.e. with respect the Drayton-Black Lake Property). Trenching confirmed the relationship between gold, lithologic contacts, late deformation structures and associated alteration. Grab samples collected during the initial field campaign returned up to 1,212 g/t Au, with the best channel sample returning 155 g/t Au over 0.60 m. In a follow-up program of the same year, Au values up to 155 g/t Au over 0.60 m were reported from trench samples at the main Moretti occurrence (i.e. Moretti-Main Target, Bulk and up to 2.1 g/t Au over 1 m in the secondary structure. A ground 25 lkm IP survey was also carried out that year.

In 2001 and 2002, eleven more holes were drilled, and all intersected the targeted MDZ. However, shear-hosted gold-bearing veins returned generally disappointing assay results (tens to hundreds of ppb Au, with highest assay of 3.1 g/t Au over 0.5 m) in BLK02-23. Seven holes intersected apparently favourable geology, alteration and localized sulphide mineralization but only anomalous values up to 0.5 g/t Au over 6.6 m, including 1.6 g/t Au over 1.1 m were reported in hole BLK02-24. Most of the Au mineralization was associated with strongly altered shear zones intruded by feldspar porphyry dykes and quartz and quartz carbonate veins. The authors noted that these deformation zones were thought to mark the contacts between wedges of calc-alkaline and tholeiitic volcanic assemblages (Babin et al., 2002).

CARINA ENERGY (2008-2009) – MORETTI AND CLAMSHELL LAKE DRILLING

A drilling program was carried out on the "Black Lake" property during December 2008 and January 2009 by Carina Energy Inc. Five holes (1,256 m) were drilled in two locations and the primary purpose of the drilling program was to follow up the results from a 1999 Cameco drilling program which intersected significant gold mineralization within the Moretti deformation zone.

The primary lithologies encountered were various forms of gabbro and mafic metavolcanics. *"The gabbro may be a true intrusive unit, but is more likely coarse grained flow bases, or possibly hypabyssal sills that fed the volcanic pile."* Only sparse gold mineralization encountered in the drilling, largely related to quartz-carbonate-sulphide (pyrite) veins that are typically hosted within highly sheared and altered metavolcanics.

Holes BKL-08-21 and BKL-08-22 targeted the northern extension of the high-grade mineralized zone discovered by Cameco's 1999 drilling program (e.g., Hole BKL99-14, which returned gold values as high as 190.7 g/t over 0.24 m). The target zone was encountered in both drillholes, but the assay values were low, yielding 0.153 g/t Au over 0.3 m.

Holes CLSHL-01, 02 & 03 were intended to test the "Clamshell Vein" which was drilled with variable success by Cameco throughout the 1990's and early 2000's and by Coniagas Mines Ltd. in the 1940's. There was no significant gold mineralization encountered in the three-hole program.

GROUP TEN METALS (2016) – BLACK LAKE DRILLING

Seven (7) holes were drilled in the fall of 2016 (527 m) on Group Ten Metal's Black Lake Project (Siemieniuk, 2016). All seven holes were closely spaced together targeting the area directly underneath the "Moretti Main Trench" (i.e. Moretti Main Target). The drill program was designed to test and possibly begin to delineate narrow plunging ore shoots that may host the mineralization similar to that found in Treasury Metals' Goliath Deposit. All holes intersected the Moretti Deformation Zone at depth. Despite the close spacing of the diamond drilling, the width and intensity of deformation along with quartz veining within the MDZ was highly variable. Visible gold was noted in one drill hole. Due to "lack of funds" no analytical work was completed in 2017 (see above).

GROUP TEN METALS (2017) – ASSAYING AND GEOPHYSICAL INTERPRETATION

Drill core from the 2016 diamond drilling (Siemieniuk, 2016) by Group Ten Metals was cut and split for assay and geophysical processing and interpretation of existing airborne geophysics was completed to identify drill targets for drilling.

As noted in Siemieniuk (2016), all seven holes intersected the target (Moretti Deformation Zone; "**MDZ**"), with the best intercept reported as 0.5 m at 15.62 g/t Au in hole BL_16_01 in an interval from 19.2 m to 19.7 m, which contained visible gold. The remaining six holes intersected quartz veining with anomalous gold values over narrow intervals (>1 g/t Au) in holes BL_16_05 and BL_16_06.

Digital geophysical data were also compiled and processed to generate 43 "targets" including three high priority drill targets.

GROUP TEN METALS (2018) – TILL SURVEY

Two till sampling campaigns were completed on the middle portion of the Drayton-Black Lake property (see Fig. 2 for Group 10 claims). Sixty (60) till samples were collected and shipped to Overburden Drilling Management Ltd. in Ottawa. Gold grains were found in forty-nine out of the sixty samples collected (Fig. 5). Of those samples, thirty-eight contained modified or pristine grains with counts as high as thirteen modified and pristine gold grains per sample. The area sampled "was of low topography and sections were in regions of swamp/muskeg", which proved problematic for sampling of proper till horizons (Rogers and Krukowski, 2018). Therefore, some sample locations had to be moved to higher topography where till sediments were present. The glacial sediments sampled ranged from poorly to well sorted and were most likely glacial sand that derived from glacial fluvial or glacial lacustrine sources. This, along with multiple phases of glaciation in the area means that any surface till samples could have been reworked multiple times. Due to reworking of till at surface, a basal till program was recommended and permitted but not completed.

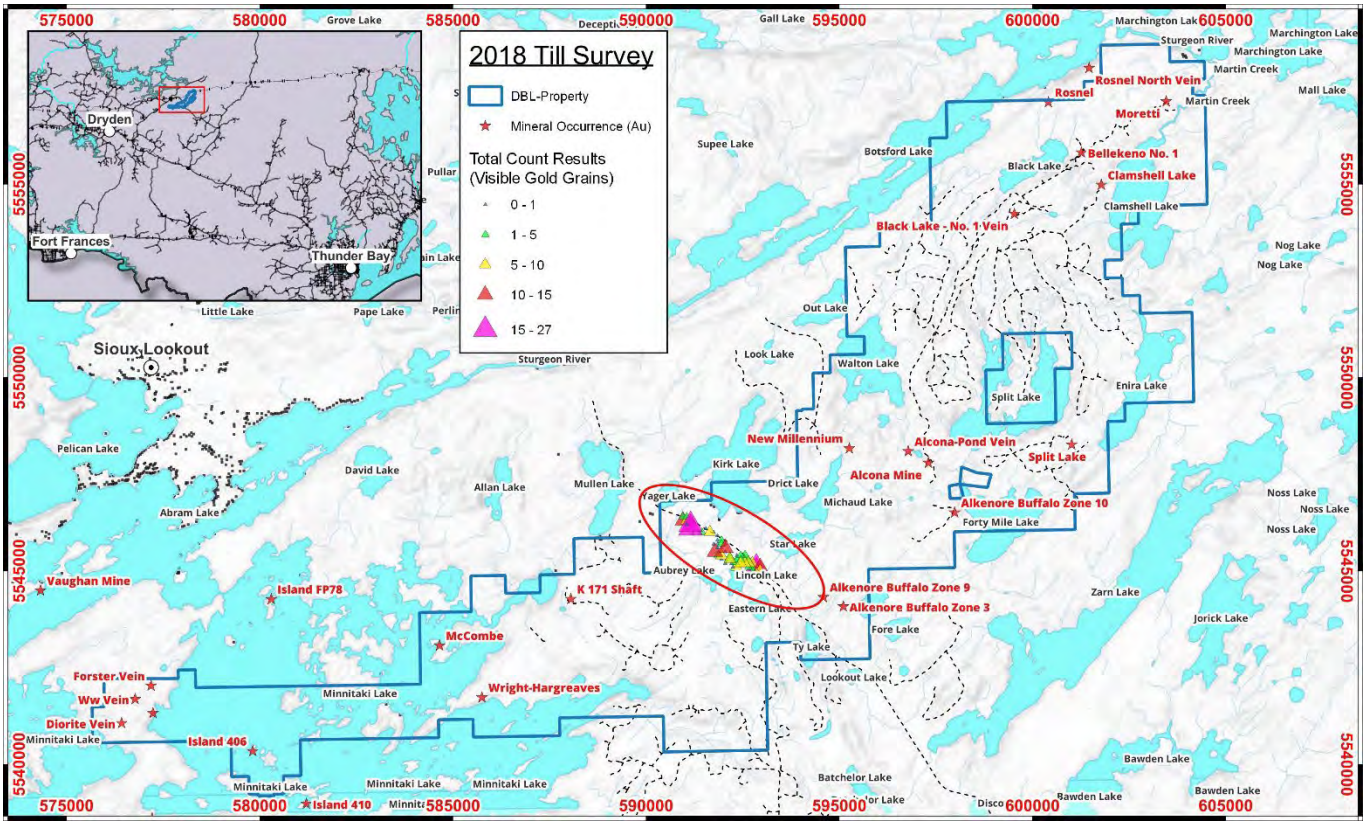


Figure 5. *2018 Till survey sample results (visible gold grain count) with mineral (Au) gold occurrences. Note till count legend is different scale from Figs. 5 and 6).*

GROUP TEN METALS (2020) – TILLS, MAPPING AND CORE RE-SAMPLING

During this exploration program Longford Exploration Services collected 200 till (Fig. 6) and 112 rock samples throughout the Property with a focus on seven primary areas of interest and additional targets from modelling and geological interpretation of geophysical data. Rock samples were collected on traverses across the areas of interest and at several of the historic occurrences and till samples were collected to identify new target zones in areas of thick overburden and to expand the area covered by a previous till sampling program.

Rock samples 3297632 and 3297638 returned the highest gold assays of 2,594 ppb Au and 336.4 ppb Au, respectively. Anomalous values in silver were returned in several quartz vein samples containing galena with the highest concentrations of 42.63 ppm Ag (3297643), 32.41 ppm Ag (3297646). Anomalous concentrations of nickel were found in 9 samples, with a peak value of 1,106.8 ppm Ni (3297601). Nine areas of interest were identified during the rock sampling program

Till samples 3297755, 3297842 and 3297846 returned the highest number of pristine gold grains (50, 215 and 1,467 grains, respectively). Nine samples contained over 40 gold grains, two samples contained over 250 gold grains and sample 3297846 contained 1,479 gold grains (1,467 pristine).

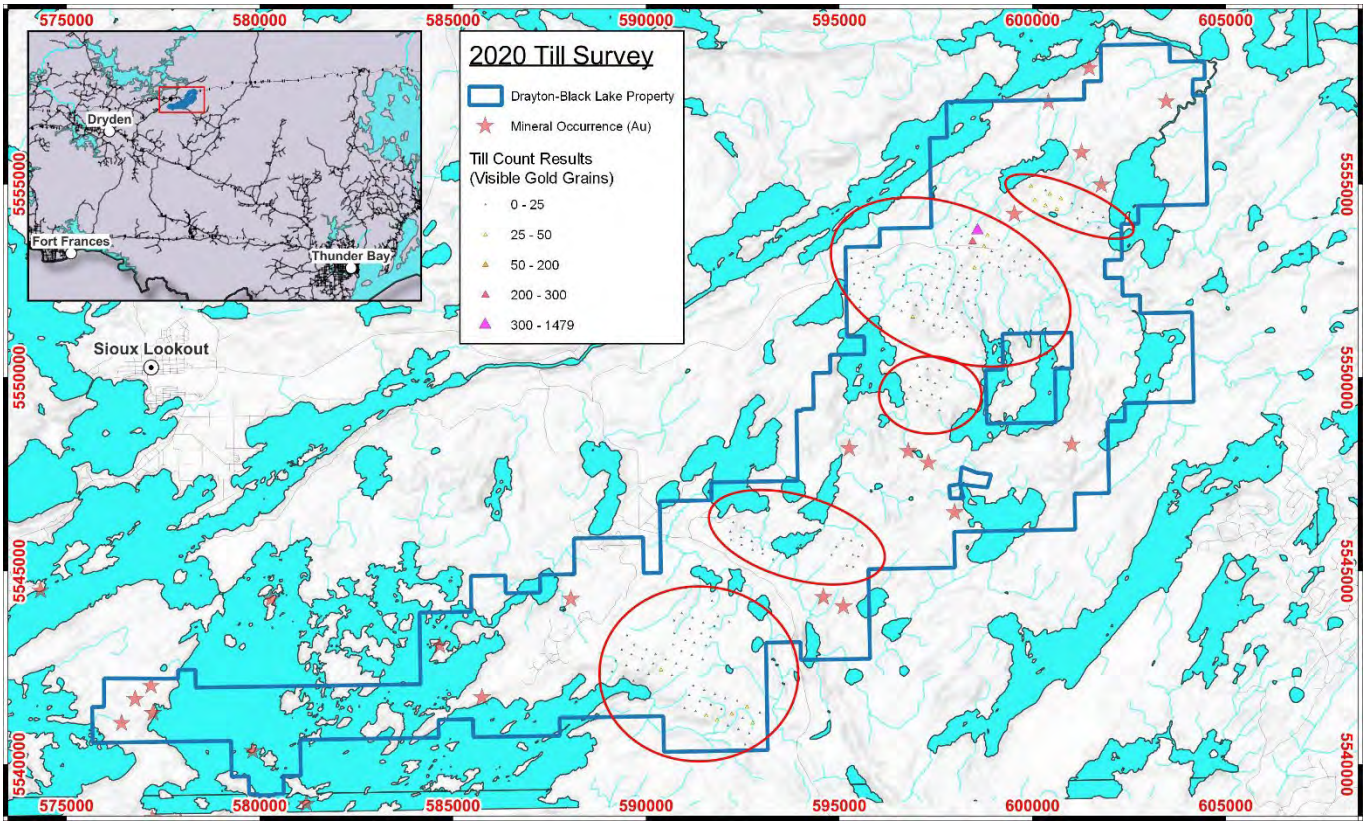


Figure 5. *2020 Till survey sample results (visible gold grain count) with mineral (Au) gold occurrences (see Fig. 7 for Mineral Occurrence labels).*

GROUP TEN METALS (2021) – TILLS, MAPPING AND CORE RE-SAMPLING

In the fall of 2021, TruePoint Exploration completed a brief field program on behalf of Group Ten to i) follow up and expand previous till sampling coverage, ii) assess validity of geophysical drill targets from the previous (2017) reprocessing of IP and EM data and iii) locate, re-box and centralize core from historic drill programs for re-logging, resampling and as a record of past work (Paterson, 2022).

One hundred and forty-one (141) till samples, 93 surface rock samples, 113 drill core samples were taken for analysis, and 507 boxes of core were relocated and assessed for potential re-logging and sampling.

Results of the till sampling program included several significant gold anomalies (Fig. 7). Overall, the highest gold-in-till values were observed in the north portion of the program area (directly north of Botsford main road). Two samples (1538860 and 1538794) contained more than one thousand visible Au grains (total VGG) and both samples were dominated by pristine gold grains. Twenty samples contained at least one hundred gold grains and more than thirty-five pristine gold grains.

Sampling from 2021 program further defined the most prospective area from the 2020 sampling program (Fig. 6). Ten samples with the highest total and pristine visible gold grains corresponds with the highest visible Au grain count

from 2020 program. Within this cluster there appears to be a weak tail with Au counts decreasing to the SW approaching Botsford Main road.

The results of this till program were used to guide the 2022 exploration program in the southern Black Lake area (i.e. Moretti-Black Lake Target). The area was prospected and sampled (grab and channel) in an attempt to source the gold-in-till anomalies.

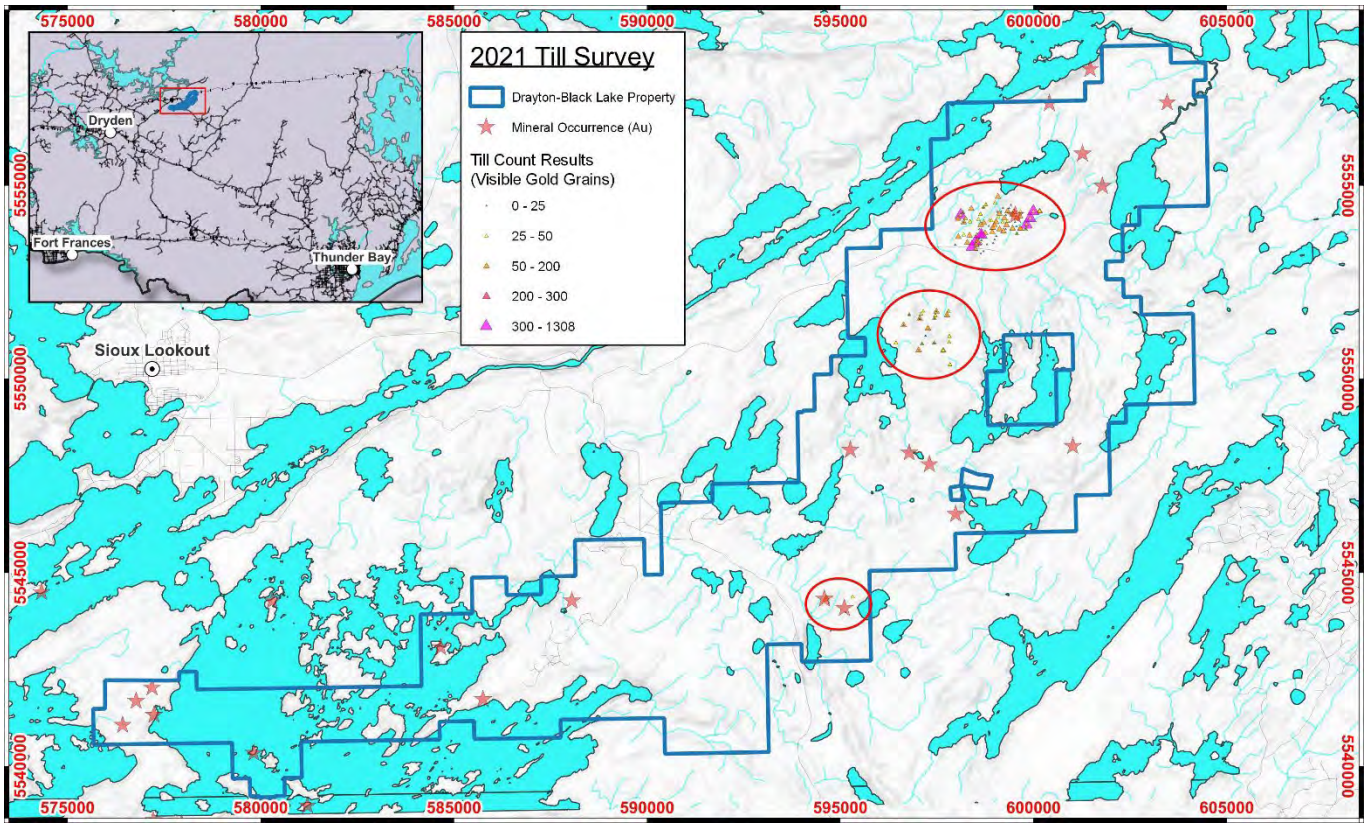


Figure 7. *2021 Till survey sample results (visible gold grains) with mineral (Au) gold occurrences (see Fig. 7 for Mineral Occurrence labels).*

New assays of re-sampled drill core from the 2008 Carina Energy program (cf. Therriault, 2010) yielded gold values up to 2.138 g/t in drillhole CLSHL-08-01 from a previously unsampled interval. A result of 188 ppb from a 1.5 m interval in drillhole CLSHL-08-02 was also noted. Paterson (2022) recommended that sampling be expanded to adjacent intervals.

Surface rock sampling and drill target investigation yielded positive results with confirmation of gold mineralization in historic showings and confirmation of several geophysical target interpretations.

GEOLOGICAL SETTING AND MINERALIZATION

The Drayton-Black Lake Property lies within the Archean Eagle-Wabigoon-Manitou Greenstone Belt ("**WGB**") in the Wabigoon Sub-province of the Superior Province. The WGB greenstone belt hosts Treasury Metals (TSX-TML) Goliath Gold Complex comprising the Goliath, Goldlund and Miller deposits (e.g., Treasury Metals, 2021).

The stratigraphic assemblage of the greenstone belt (cf. Sioux Lookout Orogenic Belt; Devaney, 2000) has been divided into five principal rock groups:

1. Northern Volcanic Belt
2. Northern Sedimentary Belt (Abram Group)
3. Central Volcanic Belt (Neepawa Group)
    a. *Subdivided into a lower tholeiitic and an upper andesite-basalt division near the Goliath, Goldlund and Miller deposits. The lower division consists of tholeiitic mafic and felsic volcanic rocks with associated subvolcanic intrusions. The upper division consists of calc-alkaline, tholeiitic mafic to felsic volcanic units.*
4. Southern Sedimentary Belt (Minnitaki Group)
    a. *Mainly greywacke and quartzo-feldspathic greywacke, with subordinate argillites and cherts, with minor mafic and felsic volcanic units. A distinctive banded chert-iron formation marks the base of the group throughout a portion of the greenstone belt and displays a complex outcrop pattern, which reflects the character of regional structural patterns.*
5. Southern Volcanic Belt

The Drayton-Black Lake Property is predominantly underlain by rocks of the Central Volcanic Belt with minor occurrences of Minnitaki Group rocks in the south-central portion of the property.

REGIONAL GEOLOGY

The Drayton-Black Lake Property is located within the Superior Province (Fig. 8), which forms the core of the Canadian Shield. The Superior Province was formed by the successive accretion of orogenic belts in a range of tectonic environments over a period of 1.73 billion years.

The Superior Province is the largest Archean terrestrial craton and consists mainly of Neoarchean rocks (ca. 2.8 to 2.5 Ga) that range in metamorphic grade from sub-greenschist facies to granulite facies. External boundaries are mainly tectonic in the north, west and southeast (e.g., Trans-Hudsonian and Grenvillian Orogens), while the Penokean Orogen in the south and the Northern Quebec Orogen in the northeast are unconformably overlain or overthrust by Paleoproterozoic supracrustal sequences. The Superior Province can be further divided into nineteen sub-provinces which consist of metasedimentary, metamorphic, volcano-plutonic, and plutonic domains.

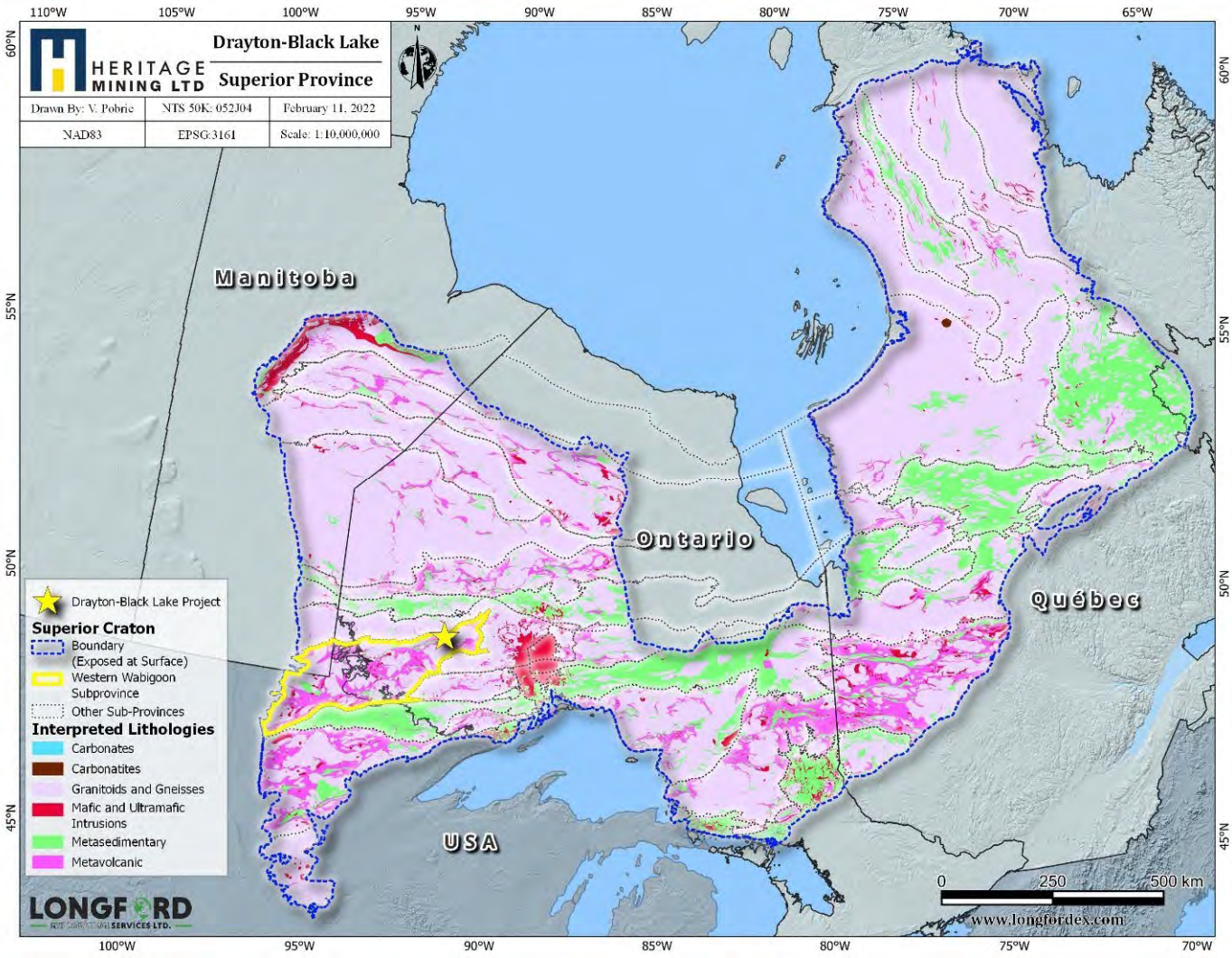


Figure 6. *Map of Superior Province and sub-provinces showing the location of the Drayton-Black Lake Property (after Clark, 2022).*

STRATIGRAPHY

The Drayton-Black Lake Property lies within the Wabigoon volcano-plutonic Subprovince of the Western Superior region of the Superior Province and mainly consists of mafic meta-volcanics intruded by large tonalitic plutons. The area is structurally complex and comprises linear to arcuate aggregations of greenstone supracrustal rocks occurring within a multiphase granitoid terrane. Metamorphic grade in the meta-volcanic belt is predominantly sub-greenschist to greenschist facies in the centre of the subprovince with metamorphic grade increasing outward to low pressure amphibolite facies in the margins and in the surrounding plutonic gneisses (e.g., Page and Moller, 1979a and 1979b).

The Eagle-Wabigoon-Manitou Greenstone Belt ("**WGB**"), a small part of the western Wabigoon Subprovince in northwest Ontario. It is composed of tectonized stratigraphic units, from north to south: 1) the Northern Volcanic belt; 2) Northern Sedimentary Belt, 3) the Central Volcanic belt; 4) the Southern Sedimentary Belt (Minnitaki Group); and 5) the Southern Volcanic belt (Fig. 9).

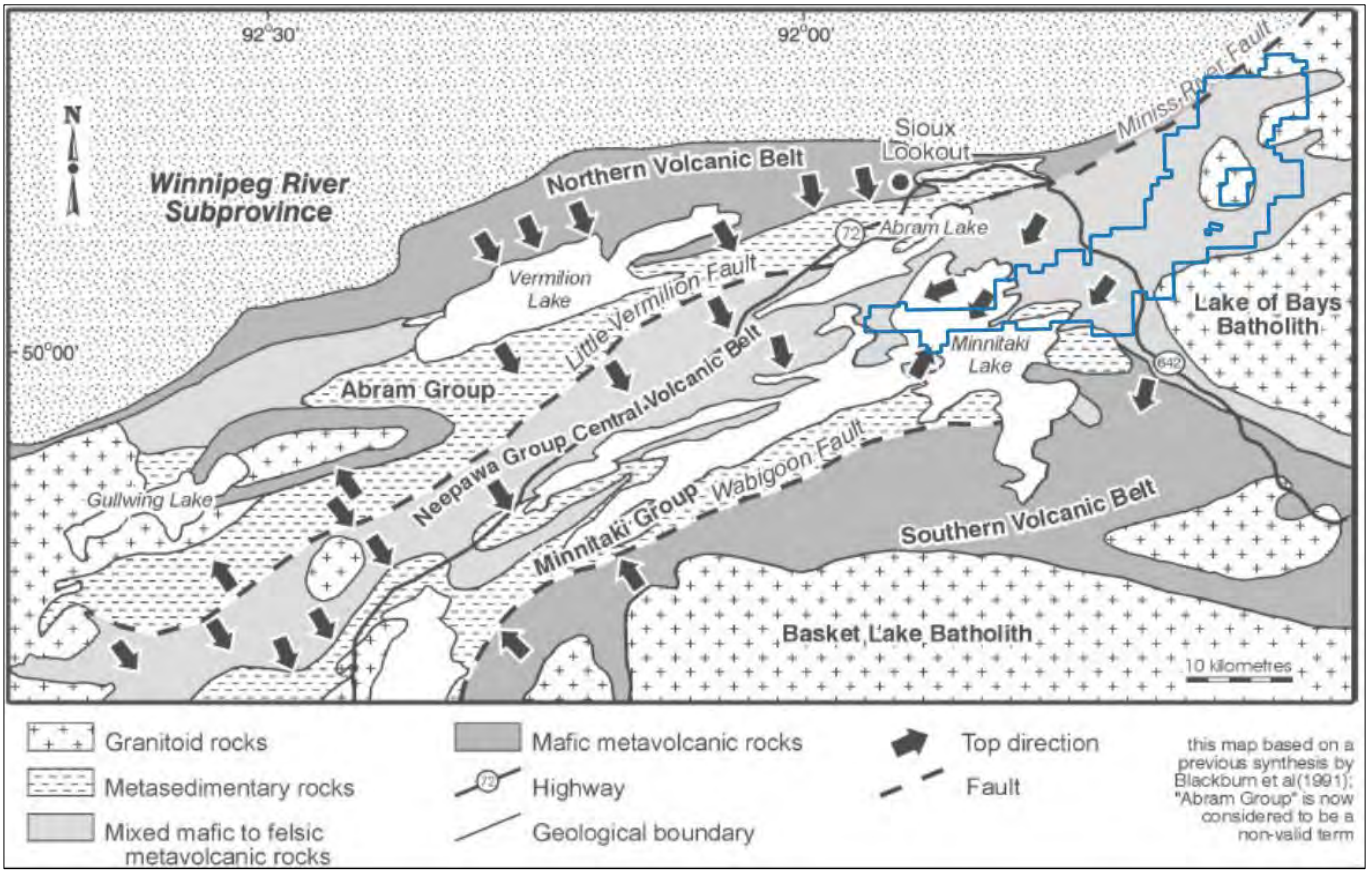


Figure 7. *Drayton-Black Lake Property (blue polygon) with regional geological domains, after Devaney (2000).*

Tectono-stratigraphic analysis of the metamorphosed and variably deformed Archean supracrustal rocks of the Sioux Lookout belt indicate (e.g., Devaney, 2000) the accumulation of lower, older, subaqueous basaltic successions (ca. 2,733 Ma), followed by development of a local andesitic volcanic centre (ca. 2,732 Ma), all of which were then capped by sequences of more felsic volcaniclastic and sedimentary rocks (ca. 2,714 Ma). Associated sediments such as turbidite deposits (e.g., Minnitaki Group, "Stage 4") were influenced by synchronous intermediate to felsic volcanism (interbedded tuffs, volcanic pebble conglomerate, magnetite iron formation), and within one horizon, distal coarse clastic sedimentary facies and iron formation can be traced along strike to their probable proximal volcanic dome source. Page and Moller (1979b) noted that the felsic rocks, along with overlying mafic and intermediate volcanic rocks in the Kirk-Star-Michaud Lakes area, may be inferred to have their origin within a major volcanic centre approximately 10-15 km southwest of Alcona. Northeast of Alcona, Kamo (2011) dated two samples of volcanic rocks from the Split Lake area and presented the weighted mean age of all 6 concordant data from the two samples as 2,733.16 ±0.66 Ma.

STRUCTURE

Many of the major faults in the Project area (cf. Sioux Lookout orogenic belt) are described as sigmoidal sinistral strike-slip faults, some of which may be reactivated thrust faults. Granitoid plutons appear to have intruded along some of these major faults.

- Chorlton (1980) described the structural evolution of the belt:
    a. Stage 1 produced gently south-southeast-dipping foliations at low angles to bedding.
    b. Stage 2 involved draping of these planes and formation of contact-strain aureoles related to the emplacement of granitoid stocks.
    c. Stage 3 produced doubly plunging folds, steep foliations, and shear zones, which resulted from regional transpression, with a sinistral lateral shear sense along "this arm of the Wabigoon greenstone belt".
    d. Stage 4 produced minor folds and shear displacements in some places and final tightening of stage 3 folds in others, compatible with final regional convergence.
- Regional quartz vein systems, including those carrying gold, appear to have filled tensional fractures related to bulk belt-perpendicular shortening and belt-parallel extension, sinistral shear, and tightening of folds in sheetlike competent bodies. Veins and mineralization thus coincided with late Stage 3 deformation, possibly overlapping Stage 4.

Some authors note that, synorogenic quartz veins appear to be thicker and more abundant, and contain more gold, near major deformation zones (thrust and/or strike-slip faults), suggestive of formation as typical structurally controlled Archean mesothermal lode gold deposits. At a regional scale, gold occurrences appear to be located along lineaments (Riedel shear system?).

Still other authors note that at local scales (<100 m), deformation zones can be characterized by one or more of the following:

- A highly schistose fabric, versus much less schistose rocks away from such zones.
- Transposed layering ("shear lenses" or "bed shreds"), with lenses of laterally discontinuous strata (commonly observed at the 0.1 m scale) rather than the presumably originally laterally continuous strata.
- Laterally discontinuous schistosity-parallel veins.
- Sigmoidal fabrics.
- Small tight to isoclinal folds (e.g., 0.01–0.1 m amplitudes and wavelengths), with rarely observed axial planar cleavage in some sequences of folded bedding; and
- Variable (reversing) top indications (with observations biased toward thinly bedded sedimentary units, which normally contain more top indications than do most other lithological suites).

Southwest of the Property, new structural mapping of the Dryden area of the western Wabigoon Subprovince (Zammit et al., 2021) suggest a N–S shortening event (D1) occurred circa 2,705–2,695 Ma. A late (D3),

deformational event is locally represented by brittle faults and fractures filled in with quartz, chlorite, feldspar, carbonate and/or fault gouge.

The authors go on to note local-scale map patterns suggest that late stage (D2?) sinistral strike-slip (to oblique-slip) displacement produced features such as: i) strike-slip duplexes (multi-scale clusters of 1–10 km long sigmoidal fault-bounded lenses), ii) pull-apart basin(s), iii) releasing-bend (dilation) plutons (roughly sigmoidal in map view) and iv) km-scale “Riedel flake” or “pressure shadow” structures.

MINERALIZATION

The western Wabigoon Subprovince hosts several orogenic gold systems (Fig. 10), including the Goldlund deposit (part of the Goliath Gold Complex) and Kenwest prospect. Recent studies (e.g., Zammit et al., 2021) suggest the main hydrothermal event, and likely gold mineralization, occurred syn- to late-D2 deformation around 2,664 ± 8.3 Ma.

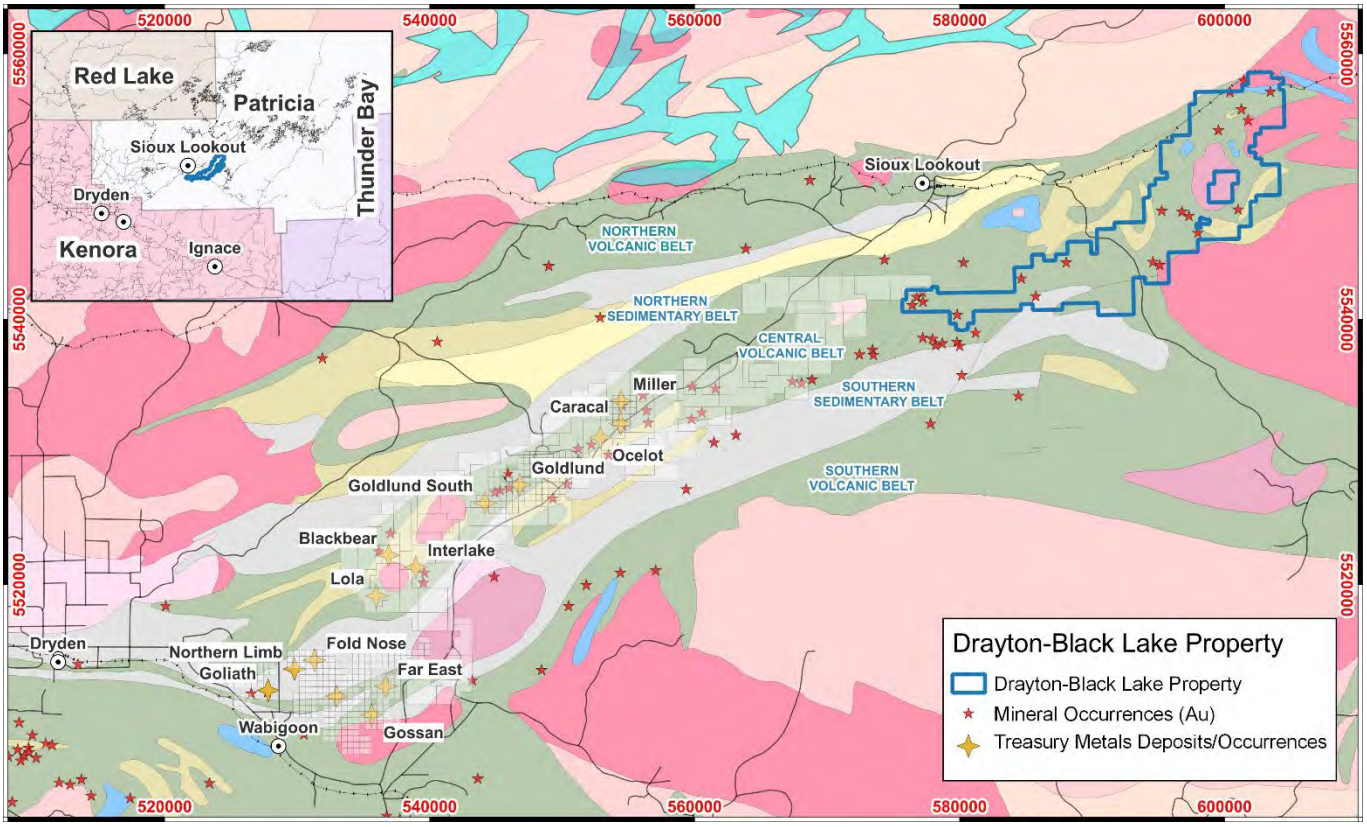


Figure 8. *Regional setting of the Eagle-Wabigoon-Minnitaki greenstone belt with gold deposits and occurrences. Note, the Goliath Gold Complex (GGC) includes the Goliath, Goldlund, Miller deposits as well as other known occurrences.*

Following the D1 event, after 2,695 Ma, a protracted period of NNW–SSE shortening (D2) localized transpression along the Manitou Dinorwic deformation zone (MDdz), which is spatially associated with orogenic gold systems, including the Goldlund deposit (~1.7 Moz Au) and Kenwest prospect (~0.3 Moz Au).

U–Pb geochronology of vein-hosted xenotime from the Goldlund deposit and Kenwest prospect indicate that the main hydrothermal event, and likely gold mineralization, occurred syn- to late-D2 deformation around 2664 ± 8.3

Ma. A second population of xenotime, and overgrowths, recorded a younger hydrothermal overprint between ~2,590 and ~2,580 Ma. Therefore, the structural evolution and timing of orogenic hydrothermal events in the western Wabigoon subprovince are broadly like the Abitibi subprovince.

Regional quartz veins, including those carrying gold, appear to have filled tensional fractures related to bulk belt-perpendicular shortening and belt-parallel extension, sinistral shear, and tightening of folds in sheetlike competent bodies (Chorlton, 1980). Veins and mineralization thus coincided with late "Stage 3" deformation, possibly overlapping "Stage 4".

Auriferous vein occurrences at the Goldlund mine display geometries like those of veins in the surrounding region. The main body of auriferous vein mineralization is hosted by a thick, composite meta-tonalite meta-diorite sheet. The vein system of this zone likely originated during the steepening and axial-plane transposition of the southeast-dipping limb near the southwest-plunging end of a "Stage 3" fold.

Within the Goliath Gold Complex ("**GGC**"), located approximately 30 km (Miller Deposit) to 60 km (Goliath Deposit) along strike to the southwest of the Drayton-Black Lake Property (Fig. 10) gold mineralization is predominantly quartz vein hosted and structure controlled.

Locally, within the WGB, auriferous veins can contain abundant silver and a low Au:Ag ratio (cf. Goliath, Alcona and New Millennium) whereas other deposits and occurrences (e.g., Miller, Goldlund and Moretti) have a much higher Au:Ag ratio, interpreted by some authors to reflect a more conventional, structurally controlled, greenstone-hosted orogenic (secondary?) style of gold mineralization. Note, that in both instances the correlation between Au and Ag is strongly positive.

It is notable that the primary syngenetic gold and silver mineralisation at the Goliath deposit is interpreted (e.g., Treasury Metals, 2021) to have been deposited during an early "D0" deformation(?) event. Authors noting the mineralisation is mostly contained within the sericite schist and/or biotite-muscovite schist. This has led to conceptual "pre-orogenic atypical orogenic gold" deposit model of VMS orogen for the Goliath gold deposit (cf. Parker, 1989), which is hosted in the Southern Sedimentary Belt.

Gold mineralization is related both to volcanic processes and to tectonic environments of calc-alkaline metavolcanic rocks and their associated intrusive rocks. Although gold occurs within structurally controlled quartz veins the concentration of gold deposits at a specific stratigraphic level suggests original syn-volcanic gold enrichment and later concentration of gold due to metamorphic hydrothermal processes.

It is not clear whether the authors consider the structural or rheological implications of host lithology in their interpretations. Overall, within the GGC, veins are differentiated based on mineralogy, texture, and amount of strain. Quartz veins have been characterized according to spatial (cf. temporal relationships), mineralogy, texture and amount of strain (i.e. early-to late: "V0", "V1", "V2" and "V3").

Treasury Metals (2021) describe the dominant, and economically most significant veins as transverse vein arrays within competent rocks and particularly the intermediate to mafic sub-volcanic intrusive sheets.

D2 deformation is observed as zones of disturbed foliation related to closed F2 folds and V2 quartz veins. Rare F2 fold hinges are observed in the outcrops. They are several centimetres in scale and affect the position of the felsic volcanic package that hosts mineralisation on the Goliath Project. Where F2 fold axes and fold noses occur within the gold-silver mineralised zones in the felsic metavolcanic rocks, gold and silver values are commonly 10 to 100 times higher than in the adjacent intervals. In some cases they contain coarse-grained visible gold (VG) or electrum, but even the very fine-grained mineralisation returns higher gold or silver concentrations.

Overall, discrete F2 fold zones are narrow (up to 10 to 15 cm wide), widely spaced (5 to 25 m) and locally carry significant gold mineralisation. Determining where F2 folds are likely to be located will identify areas of potential high-grade mineralisation. S and Z folded F1 foliation, V0 and V1 quartz veins, and non-deformed crosscutting V2 veins are all features attributed to the D2 deformational event.

Vein arrays could be expected to develop near fold hinges, within fold limbs, and along axial planar foliations. The orientations of individual veins within the arrays are affected by their locations within folds.

A third-generation quartz veins are described as white, coarse-grained quartz veins (V3) and interpreted to have formed during the D3 deformation event. These veins are relatively undeformed, occur in all rock units, typically crosscut the foliation obliquely with sharp margins and can also cut D2 structures. V3 veins are hematized on the surface and are generally considered post-mineral features.

PROPERTY GEOLOGY

The central part of the Drayton-Black Lake Property consists mainly of interbedded volcaniclastic sediments and intermediate andesite and dacite amygdaloidal flows and flow breccia (e.g., Lewis, 2010). Two transitional end units are observed. The first unit is dominated by volcaniclastic cobble conglomerates containing numerous intermediates to felsic volcanic fragments (partly replaced by pyrite locally), with only minor dacitic to rhyolitic flow and flow breccia intercalations. Locally, on the west side of the property, thin (<1 m) sulphide and oxide iron formations are interbedded with the conglomerate. The other is dominated by andesite to dacitic flows and flow breccias (amygdaloidal), with only minor interbeds of tuffaceous horizons and mafic to felsic volcaniclastic conglomerate (Fig. 11).

A fragmental unit derived from basaltic komatiite occurs to the south of Black Lake. A sequence of massive to pillowed mafic flows, tholeiitic in composition and often amygdaloidal, is observed in the northwest corner of the property. Minor tuffaceous interbeds and oxide iron formations are also present between the flows. A series of wedges of this unit are interpreted to be structurally emplaced by a series of thrust faults in the central and north part of the property. All supracrustal rocks are intruded by a multi-phase gabbro to leucogabbro and later intruded by granodiorite. Quartz-feldspar porphyritic dykes and plugs intrude all the above rock types, except the late granodiorite.

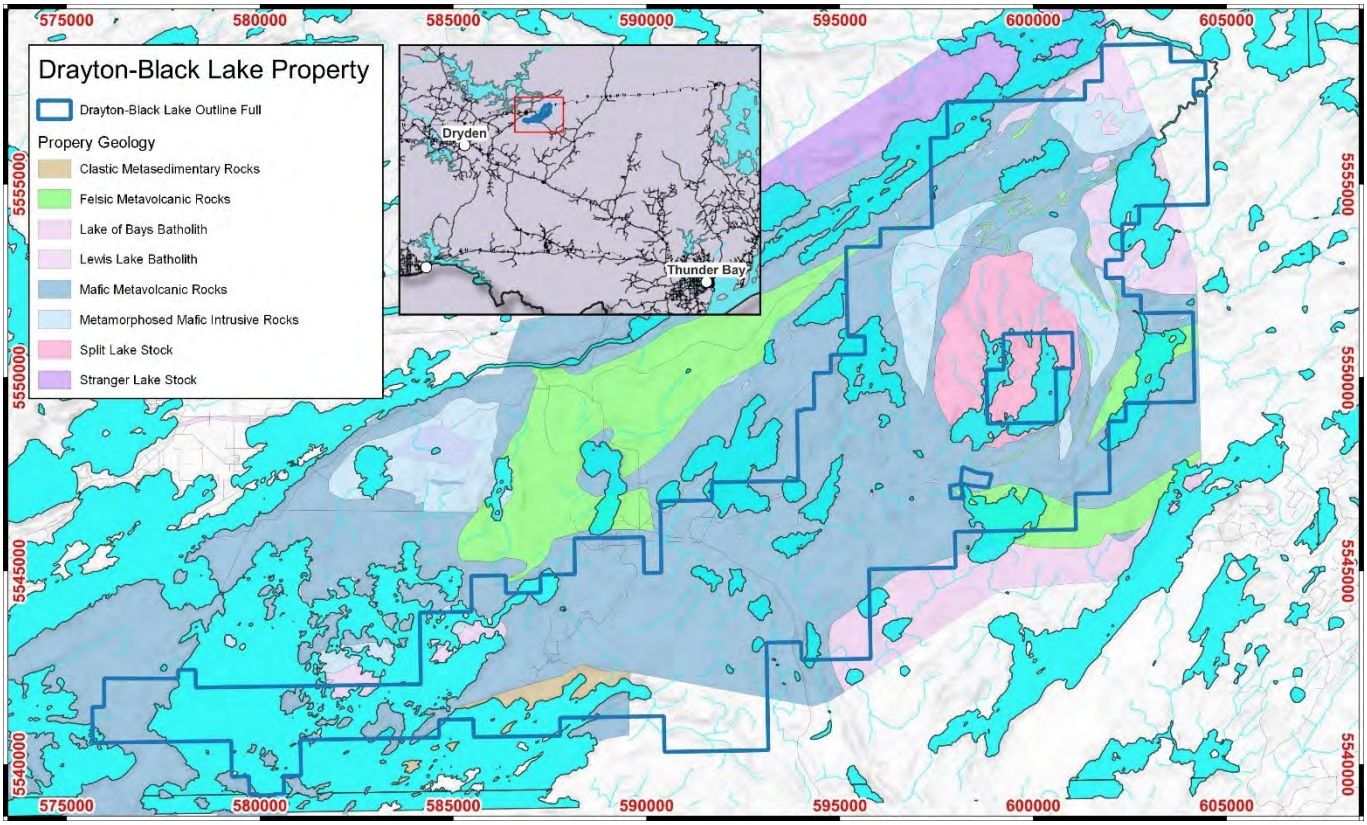


Figure 9. *Geology map for Drayton-Black Lake Property (modified from Map P.3762, Lewis et al., 2011).*

PLUTONIC ROCKS

The oldest plutonic rocks in the area are interpreted to be pre-tectonic (syn-volcanic), fine- to medium-grained, large gabbro sills and dikes that are commonly oriented oblique to bedding in the mafic volcanic flow successions. A large gabbro intrusion, located south of Black Lake, is interpreted to be a large feeder sill or magma chamber. *"Such gabbro bodies have been previously mapped as mafic volcanic flows and thus the amount of intrusive rock that was present has been underestimated"* (Lewis et al., 2011).

The Lewis Lake batholith, in the northern part of the project area (Fig. 10), is a medium-to coarse-grained tonalite to granodiorite containing quartz, plagioclase and potassium feldspar with phenocrysts of coarse-grained quartz and potassium feldspar. Dikes extend from this batholith and intrude the volcanic rocks along bedding contacts. One relatively large dike can be traced for 6 km along a contact with a felsic tuffaceous unit. This dike has a contact metamorphic aureole that extends into the volcanic rocks for up to 100 m from its contact. The volcanic rocks range up to mid-amphibolite grade metamorphism within this aureole.

The Split Lake stock is a medium-grained tonalite to granodiorite, composite intrusion located near the centre of the Split Lake area. It is dominated by quartz and plagioclase with either biotite or hornblende and is typically quartz porphyritic. It is characterized by a marginal phase of hornblende tonalite with an inner core of biotite tonalite.

Lewis et al. (2011) noted the trend of the dominant (early) S1 foliation is deflected by the emplacement and doming of the Split Lake stock, suggesting that the pluton postdates the regional deformation.

STRUCTURE

The Miniss River Fault System bounds the northern part of the Black Lake Property. Numerous related north, northeast, and east trending shears and faults have been identified, based on the degree of schistosity, foliation and brecciation. They were interpreted to represent a series of major thrust faults, intruded by gabbroic sills and quartz-feldspar porphyritic dykes, marking the contact between calc-alkalic and tholeiitic volcanic piles. The northeast shears are part of a large system of deformation, present across the entire Property, including the Botsford Lake Deformation Zone (northern portion of the property), the Pond/Alcona Deformation Zone, (central portion of the property) and the Moretti Deformation Zone (northeast corner of the Property). Other similarly structural features (sets) are likely to occur through the southern portion of the property as well, based on geophysical interpretations of newly acquired aeromagnetic data.

Lewis et al. (2011) mapped the Split Lake area in detail and noted, one regional foliation, two local foliations and one regional lineation affecting the supracrustal rocks. The early regional foliation (S1) is the most dominant rock fabric in the belt and manifests differently in mafic and felsic volcanic rocks. In mafic and intermediate volcanic rocks

and mafic intrusive rocks, S1 occurs as a planar alignment of chlorite to form a continuous flattening foliation. In felsic volcanic rocks, it is a spaced, discontinuous foliation defined by planar quartz and sericite.

Of the two local foliations, one is spatially associated with the Miniss River fault and the other is spatially associated with folding near Black Lake. The foliation associated with the Miniss River fault (S2) is a weak- to medium-spaced foliation that is oriented at a shallow angle, either clockwise or counter-clockwise, to the regional S1 foliation. It is interpreted to have formed as an C-S fabric relationship with the S1 foliation, which is significant because the S2 foliation can be tied to the Miniss River faulting event (Lewis et al. 2011). The other local foliation (S3) noted is a spaced, crenulation cleavage that reorients the S1 foliation. It is associated with gentle local folding in the vicinity of Black Lake. The regional L1 lineation is consistently oriented down-dip on the S1 plane. It occurs as mineral and stretching lineations defined by aligned and elongate hornblende, crenulated chlorite and stretched clasts and fragments.

MINERAL OCCURRENCES

The WGB host numerous mineral occurrences and deposits including copper, gold, silver, iron, lead and zinc. However, the dominant mineralization style is Archean-aged orogenic, structurally controlled gold mineralization. Locally, the gold mineralization displays a strong positive correlation with silver and in these instances the Ag:Au ratio can exceed 10:1.

The Drayton-Black Lake Property hosts numerous gold occurrences and although there has been a 100-year history of exploration many occurrences have only seen limited work and of those only a very few have been subjected to relatively modern systematic exploration.

The following represent some of the examples of significant Au occurrences within the Property:

MORETTI - BLACK LAKE

- 2002
    - Cameco drilled eleven diamond drillholes during the winter of 2002 (244 m) at Moretti.
    - Although all the holes encountered anomalous gold mineralization, the best assay returned only 3.1 g/t Au over 0.5 m (Babin et al., 2002)
- 1997
    - Cameco conducted power stripping, washing and channel/grab sampling on 6 trenches located along the Pond Deformation Zone located south and east of Black Lake.
    - Results from the channel sampling program on the Dragfold, Emerald and Black Lake #4 trenches returned only a few anomalous values (up to 1 g/t Au over 0.5 m on Black Lake #4).
    - Grab samples from the Moretti and Bellekeno #1 returned values up to 63 g/t
- 1996

- South of Black Lake, Placer Dome Canada Ltd. carried out a diamond drill program consisting of 10 BQ diamond drill holes (1,628 m). Drilling was conducted along three fences with 1.7 km of strike and 300 m of stratigraphy tested in the Dragfold and Bonanza occurrence area.
- Noteworthy results obtained from drilling include:
  - 7.54 g/t gold over 18 cm, 1.89 g/t gold over 55 cm, 1.23 g/t gold over 42 cm, 4.22 g/t gold over 10 cm, 1.65 g/t gold over 38 cm and 1.83 g/t gold over 41 cm.

- 1995
  - Placer Dome Canada Ltd. investigated the northwestern portion of the property around Botsford and Black Lakes and completed the geological mapping, soil survey and prospecting.
- 1994
  - Placer Dome Canada Ltd. conducted an exploration program consisting of geological mapping, prospecting, stripping and mapping of old showings and a limited geochemical soil survey. This work delineated extensive carbonate alteration and deformation zones associated with the historic gold occurrences in the area around Black Lake.

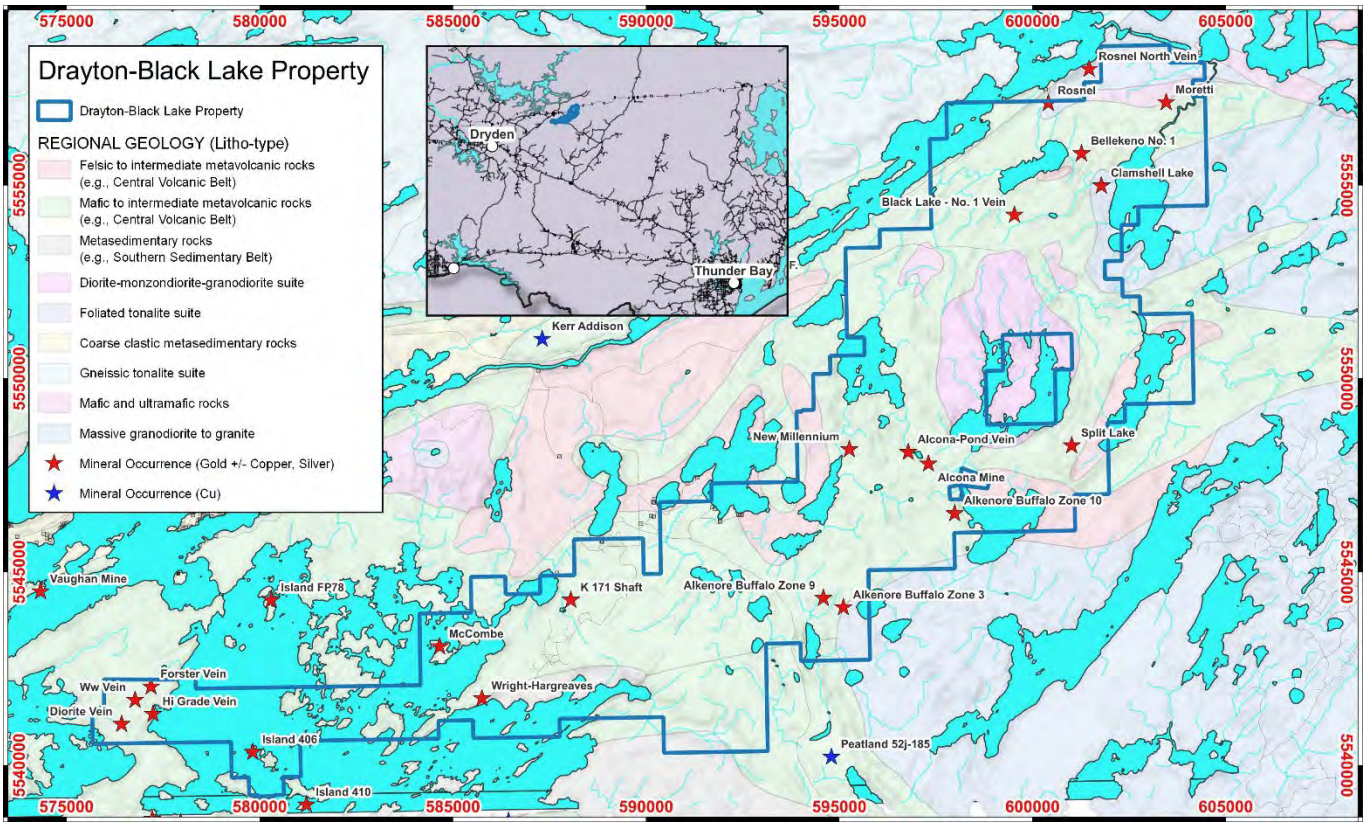


Figure 10. *Drayton-Black Lake Property Geology with mineral occurrences (modified after Ontario Geological Survey, 2022).*

SPLIT LAKE GOLD MINE (AFTER GILLIS, 1980)

Annual mining records (ca. 1936-1937) described samples taken across surface showings in trenches returning grades of 0.02 to 0.2 OPT[1] Au. With one exception, which assayed 0.68 OPT across 6 inches, sections of core from surface drilling gave similar results. Thin lenses with fine-grained pyrite in general contain less than 0.3 OPT Au, but in places assayed as high as 0.5 OPT Au. A few samples of quartz with coarsely crystalline pyrite assayed up to 0.22 OPT Au. Samples across the full width of the veins seldom showed more than 0.08 OPT Au. Underground drilling (1936) located other veins and assays returned values up to 0.10 OPT Au (after ARV46, 1937).

- During the summer of 1936, a 2-compartment shaft was sunk to about 360 feet, and some crosscutting (469.6 ft) and drifting (274.9 ft.) were done from the 100-, 225-, and 350-foot levels. There is no detailed record of commercial tonnes or grade.
- Four quartz veins, which strike N50^{o} (E) to N60^{o} (E) in a wide sheared zone in greenstone, were evaluated in surface workings, diamond-drill holes, and underground workings. The two north veins, #1 and #2, were stripped and trenched for 40 feet. In holes #1, #18, and #19, the probable extensions of these veins have been traced for 290 feet. #1 vein was described as a small quartz stringer with a maximum width of 4 inches; #2 is a set of two or three stringers, whose combined width ranges from 4 to 27 inches and both veins dip 70^{0} N. The two south veins, #4 and #5, were “opened up” on surface for 65 feet and 150 feet, respectively. The #4 vein dips south into #5 at 58^{o} and ranges in width from 2 to 22 inches. The #5 vein dips 80^{o} NW and has an average width of about 12 inches. It was traced for 305 feet in drill holes #1, #2, #5, #6, #7, #8, #10, #17, and #20. Records indicate that it pinches west of drill hole #10 (ARV46, 1937).

ALKENORE BUFFALO (AFTER GILLIS, 1980)

- 1936-37 7,000 ft of diamond drilling:
    - Zone 3[2]: Estimated ore shoot of approximately 70,000 tons at 0.24 OPT Au
        - DDH 4: 14 ft of 0.24 OPT Au
        - DDH 24: 2½ ft of 0.73 OPT Au
        - DDH 7: 2½ ft of 0.5 OPT Au
    - Zone 9:
        - DDH 23: 10 ft of 0.45 OPT Au
- 1936-37 Surface trenching (Zone 10):
    - 1.5 ft of 0.74 OPT Au and 2.5 ft of 0.15 OPT Au
- An additional zone 100 feet to the south of Zone 10; 30 feet wide showing heavily oxidized carbonate and pyrite in schistose shear with parallel quartz stringers up to 12" wide were reported but no assay results.

[1] OPT: edit to reflect ounces per short ton in reference.
[2] The grades are sourced from an anecdotal reference.

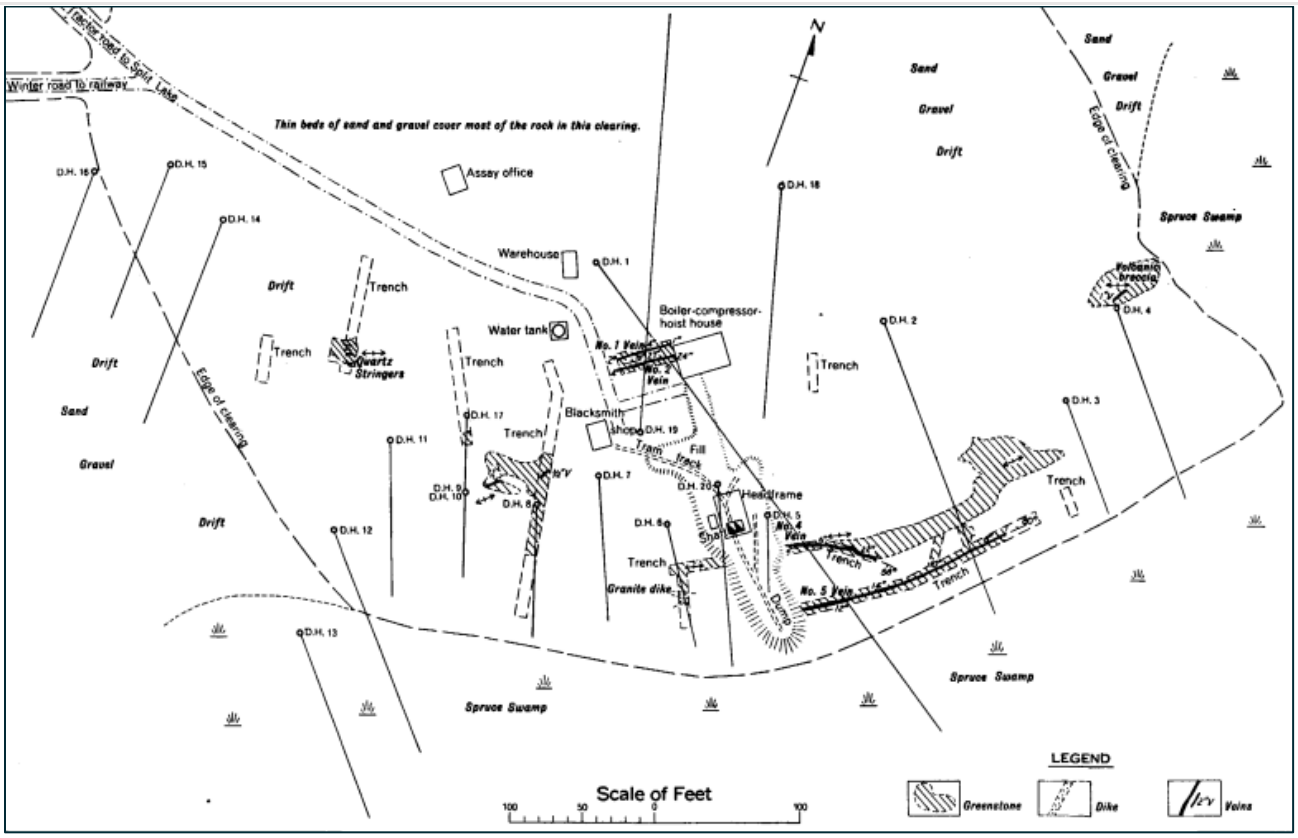


Figure 11. *Plan view map of Split Lake Gold Mine (after ARV46, 1937).*

Figure 12. *Field photo (2022) of Split Lake Gold Mines assay office (see Fig. 13 for location).*

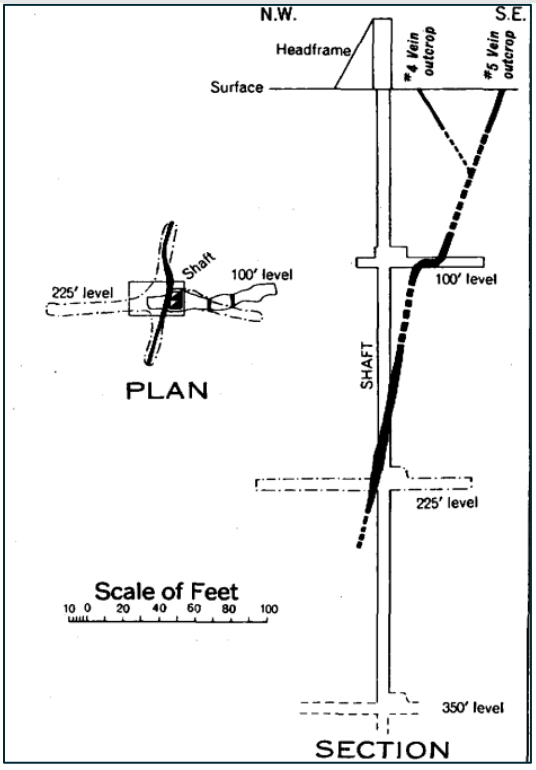


Figure 13. *Underground workings (section and plan) of Split Lake Gold Mine (after ARV46, 1937).*

ALCONA GOLD MINE (AFTER ARV46, 1937)

The Alcona property lies southwest of the Split Lake granite stock (e.g., Fig 11), There are 3 to 4 ft thick pre-mineral dykes (diorite porphyry) in the area notably are cut by the main vein array(s). Quartz-diorite post-mineral dikes have been described as cutting the veins at several places and are interpreted to be related to the Split Lake stock located one kilometre north.

Originally staked in October 1929, by George and Stanley Michaud of Alcona, subsequent optionors completed trenching and test-pitting, principally on the "No. 3" vein and on another quartz-carbonate vein. The principal showings have been described as quartz veins containing pyrite, chalcopyrite, sphalerite, galena, and variable amounts of gold.

In July 1930, the Atlas Exploration Company exposed several veins, including "No. 1" and "No. 2" (i.e. **North Vein Set**).

- Drilling
    - Alcona Gold Mines obtained control of the property late in 1932 and completed five diamond-drill holes (1,960 ft) in the fall of 1933 testing veins No. 1, No. 2, and No. 3. Results were described as disappointing; however, it was noted that considerable core and sludge was lost in fractured ground.
- Mining
    - In July 1936, Alcona Mines, Limited was formed and began a 3-compartment shaft in September 1936. The shaft was sunk to 325 feet, and levels were established at 180 feet and 305 feet. Work was stopped in May 1937, to conserve the company's funds during the market depression. The underground workings include a 350-foot, vertical, 3-compartment shaft and stations, crosscuts, and drifts at the 180- and 305-foot levels.
    - The 180-foot level was driven southwest from the shaft as a crosscut for 330 feet. At 295 feet a small quartz vein was found. It was followed in a drift for 108 feet to the east and for 105 feet to the west. Except for a large mass of quartz at the west end, the vein averages 10.5 inches in width. As in the other veins the gold content is somewhat erratic and an uncut weighted average of 0.156 OPT Au was reported.
    - The 305-foot level was driven as a crosscut for 225 feet to reach a point 180 feet north of the shaft without locating either No. 1 or No. 2 vein. At 122 feet north of the shaft, drifts were driven 100 feet to the east and 73 feet to the west without success. As the north end of the crosscut is approximately 90 feet north of the andesite-basalt contact, it seems probable that, unless the veins have been displaced by faulting or have changed their dip, the crosscut intersected them at very narrow places and thus highlighting the structural complexity of the mineralized vein systems.
- Mineralization
- Principle veins at Alcona Main appear to have developed at or near the contact between massive andesite and porphyritic basalt dipping southwest at 70°. The veins are made up of fine- to medium-grained, greyish-

white, massive quartz, which contains variable amounts of carbonate, pyrite, chalcopyrite, sphalerite, and galena. Native gold has been reported but does not appear abundant.

- The No. 1 Vein (**North Vein Set**) occurs in an interpreted structural contact that strikes S 76º(E) across a contact, dipping about 65º S, between porphyritic basalt and massive andesite. Some shearing has taken place along the fissure, as in places where the vein is not well developed the "break" contains up to 4 feet of sheared and somewhat mineralized rock. The vein ranges from 1 to 42 inches in width and has been traced in trenches and pits for 420 feet by previous operators (e.g., ca. 1936). To the east it appears to pinch out; to the west it is 26 inches wide and well defined where it disappears under swamp and drift. At eight places along its exposed length it is interrupted by quartz diorite dikes, which range in width from 2 feet to 15 feet. West of the dikes the vein is exposed for 100 feet and has an average width of 17 inches. The gold content varies considerably. An uncut weighted average indicates 0.29 (OPT Au). East of the dikes a 150-foot section averages 22 inches wide and, based on uncut assays, contains 0.50 (OPT Au).
  - The gold appears to be associated with the sulphides in the vein and was not found in schistose rock in appreciable quantities.
- No. 2 vein (**North Vein Set**) lies to the south of No. 1, strikes S 56^0(E) parallel to the andesite basalt contact, and dips 62º S. It was exposed by previous operators (ca. 1936) for 250 feet and has an average width of 18.5 inches. Mineralization is similar to that in No. 1, but the percentage of sulphides and the amount of gold is less. An uncut weighted average returned a reported value of 0.28 OPT Au.
- The "Central" vein (**Central Vein Set**) lies to the south of the shaft and appears to occur in a fracture zone in andesite. In one place it is a massive vein 80 inches wide, with a strike of S 49º E. and a dip of 50º SW. There are well-documented splays from the “Central” vein with variable orientations which have been sampled and have returned significant gold values over narrow intervals. (e.g., “Lunch Outcrop” prospect).
- No. 3 vein (**Central Vein Set**) was previously exposed over 20 feet in a trench. The vein strikes S 72º(E), dips 75º(S) and ranges in width from 2 to 20 inches. It contains sulphides that are rather erratic in distribution, as they are found in small lenses in the vein. Gold values have been reported as erratic.

- The gold in the veins occurs as small irregular and impure grains enclosed in the galena.

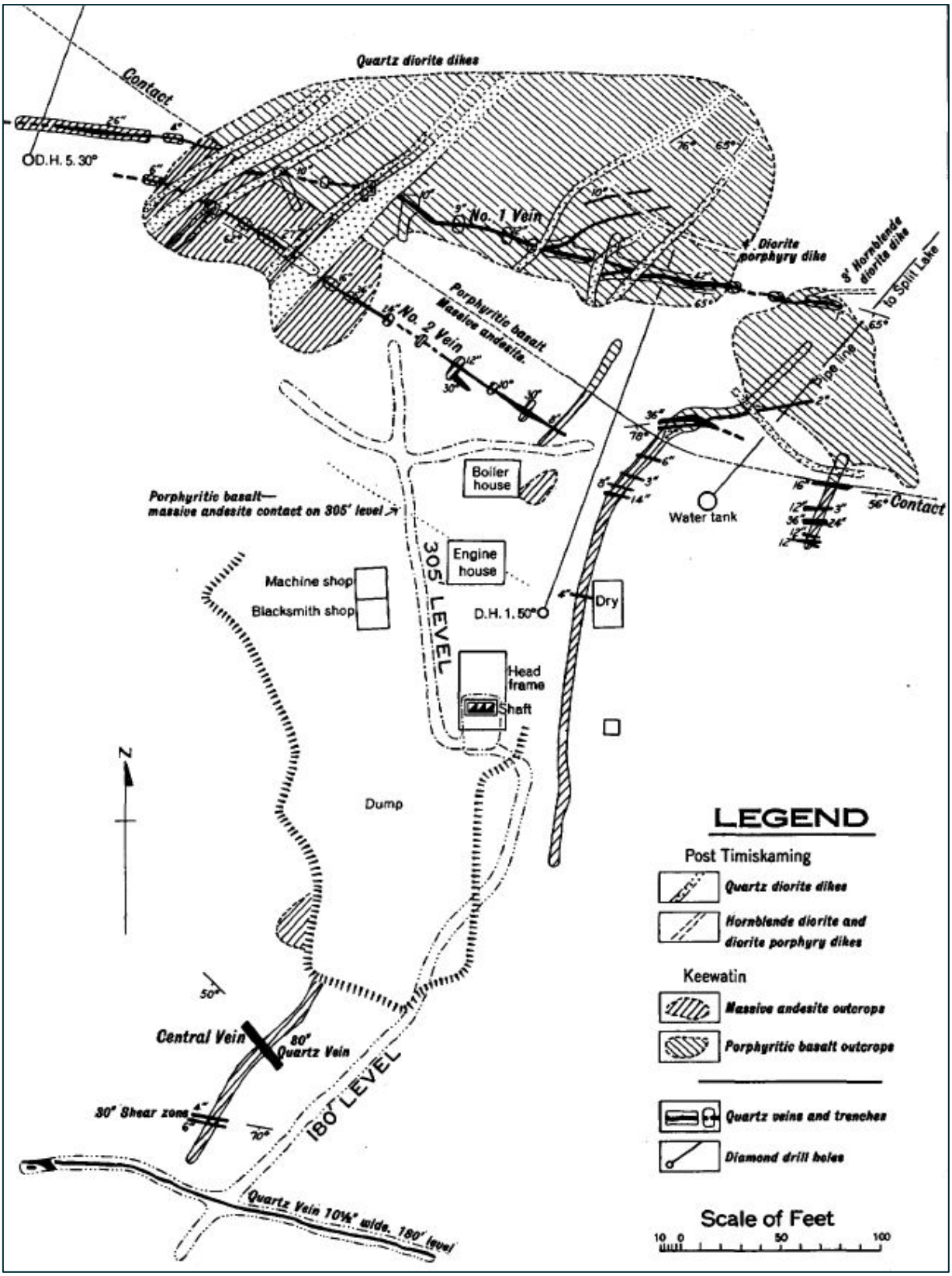


Figure 14. Alcona (Main) mine development ca. 1936-37 (from ARV46, 1937)

NEW MILLENNIUM (TRENCH LAKE)

Early work on the New Millennium prospect dates to references from 1929 (e.g., ARV46, 1937).

The host rock consists of a series of mafic flows, flow breccias, pillowed flows, tuffaceous and sedimentary rocks (+/- iron formation) that have been intruded by quartz feldspar porphyries. Alteration is greenschist facies with the development of chlorite, sericite and calcite. Shear zones crosscut all the lithologies, and display enhanced chlorite, carbonate and sericite alteration. Quartz vein stockworks are developed in areas of structural weakness, some of which are hosted by the narrow shear zones and others located along lithological contacts. Trenching has shown that some of the quartz veining is continuous along 50 m strike lengths (then covered overburden and swamps) with widths typically less than 1 metre. Veins contain galena, chalcopyrite and pyrite. Historical assays have returned values over 40 g/t Au and as high as 165 g/t Ag. A strong positive correlation to gold has been noted.

Riives (2001) reported discovering a shaft at the prospect and determined the depth to be at least 25 metres. Manual stripping and sampling in the general area returned positive results with two samples "running more than one ounce gold per ton and unmineralized and unaltered quartz diorite gave elevated gold values on assay."

- Stripped Area 1-99
    - *A shear zone in iron carbonate altered rock.*
    - *A sample, (#7792), of altered, mineralized porphyry at the north end of the trench assayed 3,557 ppb Au and 3,555 ppb Au. In the southern end of the trench in altered quartz feldspar porphyry a small quartz vein (sample #7795) yielded 2,434 ppb Au and 11.1 ppm Ag.*
- Stripped Area 3-99
    - *The exposed area is 105 m long by an average of 15 m wide. A narrow discontinuous quartz vein is hosted in an altered mafic shear zone. A 1 m wide gabbro dike intersected the shear zone at a steep angle along with other minor quartz veins and cross fractures.*
    - *Several samples were collected and the best results were 5,486 and 11,863 ppb Au.*
- Trench 4-99
    - *This is a small trench at a point where stripped areas 1-99 and 3-99 intersect, that exposes an ultramafic rock with 3-5% disseminated sulphide and stringers of euhedral pyrite. Assay results were 26 ppb Au, 100 ppb platinum and 125 ppb palladium.*
- Stripped Area 5-99
    - *Consists of discontinuous quartz carbonate veins in a narrow shear zone intersecting occasional zones of quartz feldspar porphyry. A zone of a dark altered rock (possibly ultramafic) was exposed at the northwest end.*
    - *The best assay was from sample #21058:*
        - *Au - 178,150 and 167,521 ppb (duplicate)*
        - *Ag - >1,000ppm*
        - *Cu – 3,770 ppm*

        - *Mo - 778 ppm*
        - *Pb - >10,000 ppm*
        - *Zn – 6,837 ppm*
- Trench 8-99
    - *This trench is 55 meters long at N65° E. This trench was designed to check the extension of two quartz carbonate veins in a shear zone. The larger of the two veins is a maximum of 20 cm wide and is very narrow at the west end. This vein is intersected by a folded quartz vein at the 10 m station and has several minor parallel quartz veinlets, sheared zones and cross fractures. The west end has quartz stockwork in a heavily altered and mineralized zone. One sample of the quartz vein assayed 171 ppb Au and 2.5 ppm Ag.*
- Trench 9-99
    - *A zone 370 meters long striking N 80°E to N 75°E was exposed and hosts a series of quartz carbonate veins up to 0.8 m wide in a narrow shear zone. Between 160-185 m, is a heavily altered zone with a quartz carbonate vein of varying width.*
        - *An assay from this zone was 13,097 ppb Au and 91.7 ppm Ag.*
    - *This zone is still open at both ends of the trench.*
    - *Sample #7747 from a quartz carbonate vein containing pyrite, galena and chalcopyrite yielded 57,801 and 50,556 ppb Au.*
    - *A sample from the east end of this trench assayed 23,280 and 23,349 ppb Au in a 30 cm quartz carbonate vein and 1,680 ppb Au from the west end of the trench.*
    - *A sample at station 10W yielded up to 6,000 ppb Au in quartz and altered (banded) wall-rock with fine pyrite, chalcopyrite and galena in seams.*

MCCOMBE (MDI42A01SE00168)

- The original claim was staked by A. Gibson in 1911 and patented in 1915. The patent was forfeited in 1958. Prior to 1946 the pit was sunk. In 1939 and 1940, Sylvanite Gold Mines, Limited completed an extensive exploration program on the Tremblay Claim immediately to the south of the pit on the McCombe property. Large trenches in the overburden were excavated (>160 m in length) and extensively sampled. Two holes (152 m) were drilled. Assay results of the 2 drill holes were disappointing.
- In 1981, Norcana Resources Limited completed a VLF-EM and Magnetometer survey over thirteen claims. In 1983, Orcana Resources Limited mapped the property and completed a 34-hole (70 m) overburden drill program. In 1984, Orcana drilled a 111 m drillhole and a 130 m diamond drill hole was completed in 1985.
    - Best assay recorded was 0.016 OPT Au over 1 foot.
- Property visit completed August 29, 1995 (D. Guidon with B. McCombe) and notes as follows:
    - The pit is approximately 3 by 5 feet and surrounded by chicken wire wrapped around surrounding trees. The vein is visible in the walls of the pit. The vein and structure within the pit strike 270

degrees and dip approximately 70 degrees north. Broken muck to the south of the pit is silicified, carbonatized, chloritized, sericitized and pyritized.

- Gold assay values for the samples collected were anomalous but low. McCombe had suggested historical samples returned assay values up to almost 0.1 OPT(?)
- The vein was sampled during a property visit by Kinross Gold Corporation in 1996.
  - A sample from both sides of the shaft assayed 2,696 and 2,745 ppb Au. The shaft is 3 x 5 feet and 36 feet deep.
- The property was revisited May 4, 1998, with B. McCombe and D. Robinson. Since the first visit, the area around the shaft has been stripped and washed. It appears that the carbonate alteration is pinched out in the shaft area and widens to the south. At the shaft, the alteration zone is 10 m wide. To the east of the shaft, the shaft vein is offset to the north by a fault striking at 355. The offset is small.

FORSTER AREA (FROM SPENCER AND LEGGETT, 1951)

- *The Forster showing consists of irregular, lenticular quartz in a 25 ft. wide shear zone. It strikes N 55°E and the shearing has been traced for over 600 ft. to the southwest, however, sometime lacking quartz in association. To the north end of the shear shows intense schistosity and drag folding with introduction of quartz, disseminated carbonate, pyrite and minor sericite. The shear decreases in intensity, width and mineralization to the south. Gold assays up to 0.12 OPT[1] but described as sporadic.*
- *The WW showing was originally exposed in a program of trenching and blasting, over 130 ft. of quartz vein (varying from 4 inches to 10 inches and pinching at the north end). The vein strikes approximately north south and dips from 45° to 60°W. The host rock is a basic, granular greenstone. The wall rock for several inches is considerably altered by albite, cut by tiny, irregular quartz stringers and well mineralized with fine cube pyrite. Sampling of wall rock returned localized gold assays up to 0.72 OPT.*
- *The Hi Grade showing consists of a series of narrow, quartz-filled, cross fractures at wide-spaced intervals, striking about north-south and having shallow dips of 10-15° to the west. Visible gold varying from pin-point size to six inches in length has been noted. The host rock is a brittle, basic and granular greenstone, occasionally showing a slight carbonate alteration and having localized concentrations of 1/8 inch cube pyrite or fine magnetite. The zone lies between two parallel shear zones, about 210 ft apart, striking N 63°E and having a vertical dip. Vein widths vary from 0.4 inches to 6.0 inches and contain considerable chlorite mainly on the contacts. Sparse magnetite and chalcopyrite were found with the quartz. Assays, from samples without recorded visible gold ("**VG**") returned reported gold values up to 1.52 OPT and a grab sample with "pinpoints" of VG returned a reported gold value of 4.40 OPT. Previous workers note that increased gold values occur with increased vein widths.*

[1] OPT: edit to reflect ounces per short ton in reference.

2022 EXPLORATION PROGRAM

Many constituent prospects or mineral occurrences within the current Drayton-Black Lake property have been the target of some form of exploration over the past one hundred years. However, in most, if not all, instances these programs were limited in scope and scale by segmented property ownership and funding constraints. Thus, over the past 100 years, exploration in the belt would be considered "undercapitalized" and as such this area of the WGB is significantly "underexplored" with respect to many other contemporaneous greenstone belts in Canada. This is clearly reflected in the lack of any detailed geological map and the paucity of follow-up work by OGS staff (c.f., Lewis et al., 2011). Yet, the large scale (i.e. frequency of occurrences and spatial extent) of near-surface, high-grade Au (+/- Ag) mineralization indicate the presence of significant mineral system or systems.

Therefore, Heritage began the 2022 exploration program with an extensive three-dimensional compilation of historical exploration data to set the context and preliminary objectives for a regional reconnaissance program.

REGIONAL COMPILATION (GIS / DATA ANALYSIS) PROGRAM

Longford Exploration Services Ltd. carried out a compilation of the available historic data on the project from April 2022 to September 2022, while also completing map drafting services to support the field work completed in 2022.

This program included scanning and geo-referencing over one hundred maps, extracting and compiling drill logs and data, in addition to a property-wide compilation (verification and validation) of several large surface exploration data sets including:

1) Geophysical survey data (e.g., Fig. 17)
    a) Ground and airborne
    b) Magnetometer, resistivity and Induced Polarization
2) Geochemistry survey data (e.g., Fig. 18)
    a) Till and Soil
    b) Multi-element analyses
    c) Gold grain counts
3) Drillhole data (e.g., Fig. 19)
    a) 159 diamond drill holes
    b) Identified core for planned re-logging and re-sampling.
    c) Three-dimensional compilation for modelling and targeting.
        i) "Collar", "survey", "assay" and "litho"
        ii) Vein modelling

The 2022 exploration data compilation represented the first property-wide data compilation (i.e. inclusive of Riives Option) and the first 3D drill hole compilation.

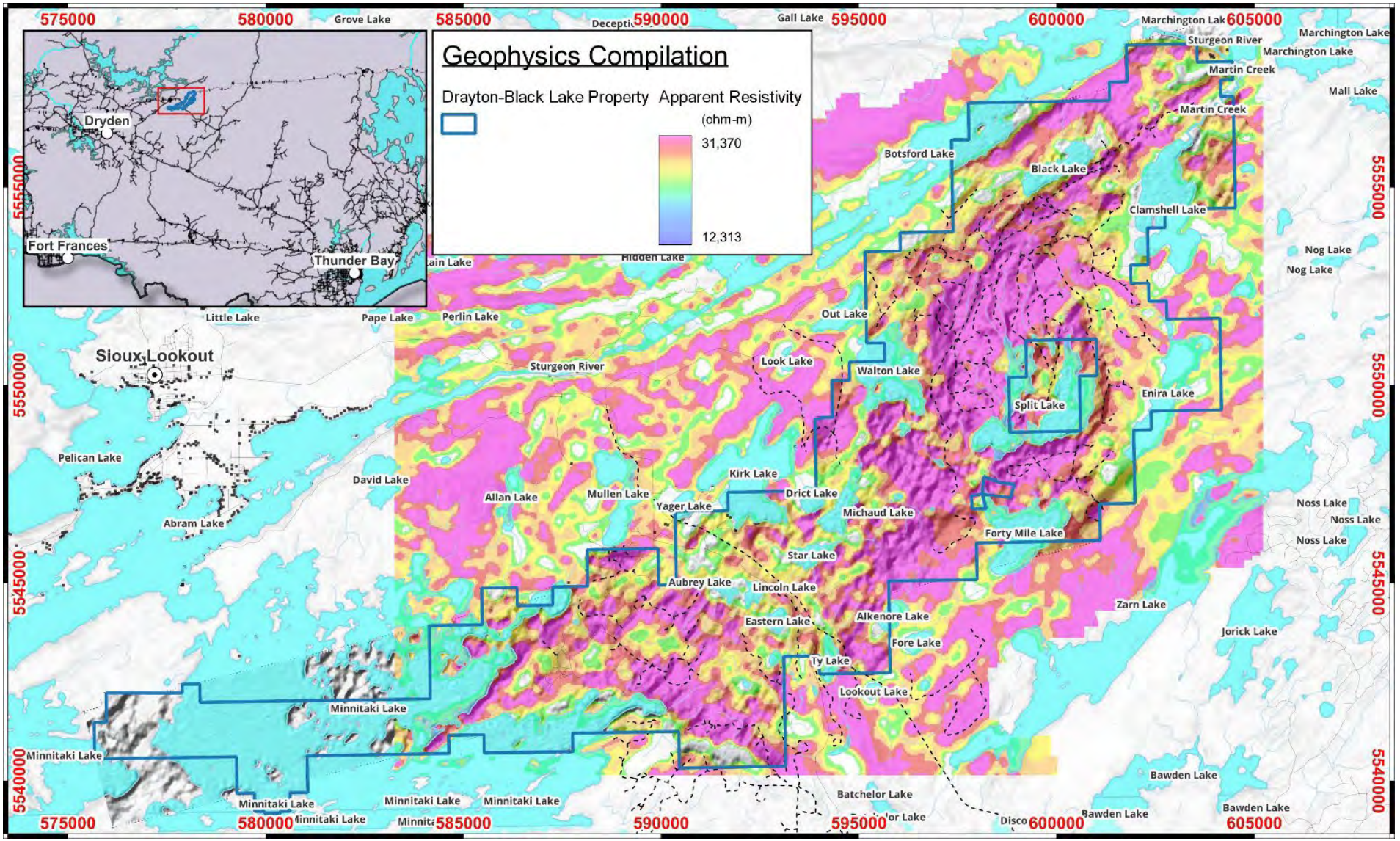


Figure 15. *Example of geophysical data compilation; Re-processed airborne resistivity (after Ontario Geological Survey, 2002) over digital elevation model produced from 2022 airborne survey data.*

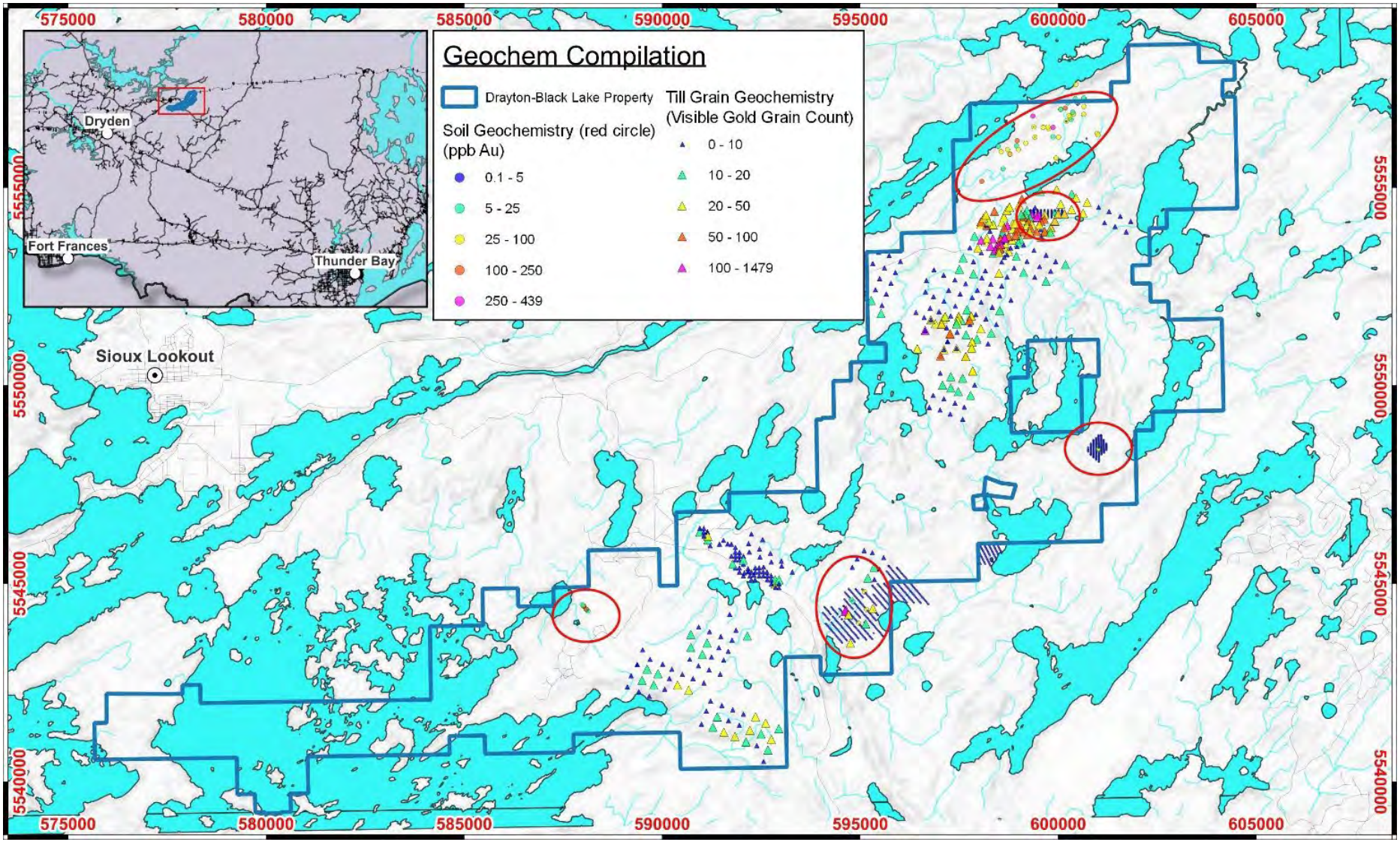


Figure 16. *Example of geochemistry data compilation for Drayton-Black Lake Property (tills = triangle symbols; soil samples = circle symbols and soil survey areas are noted on map with red circles).*

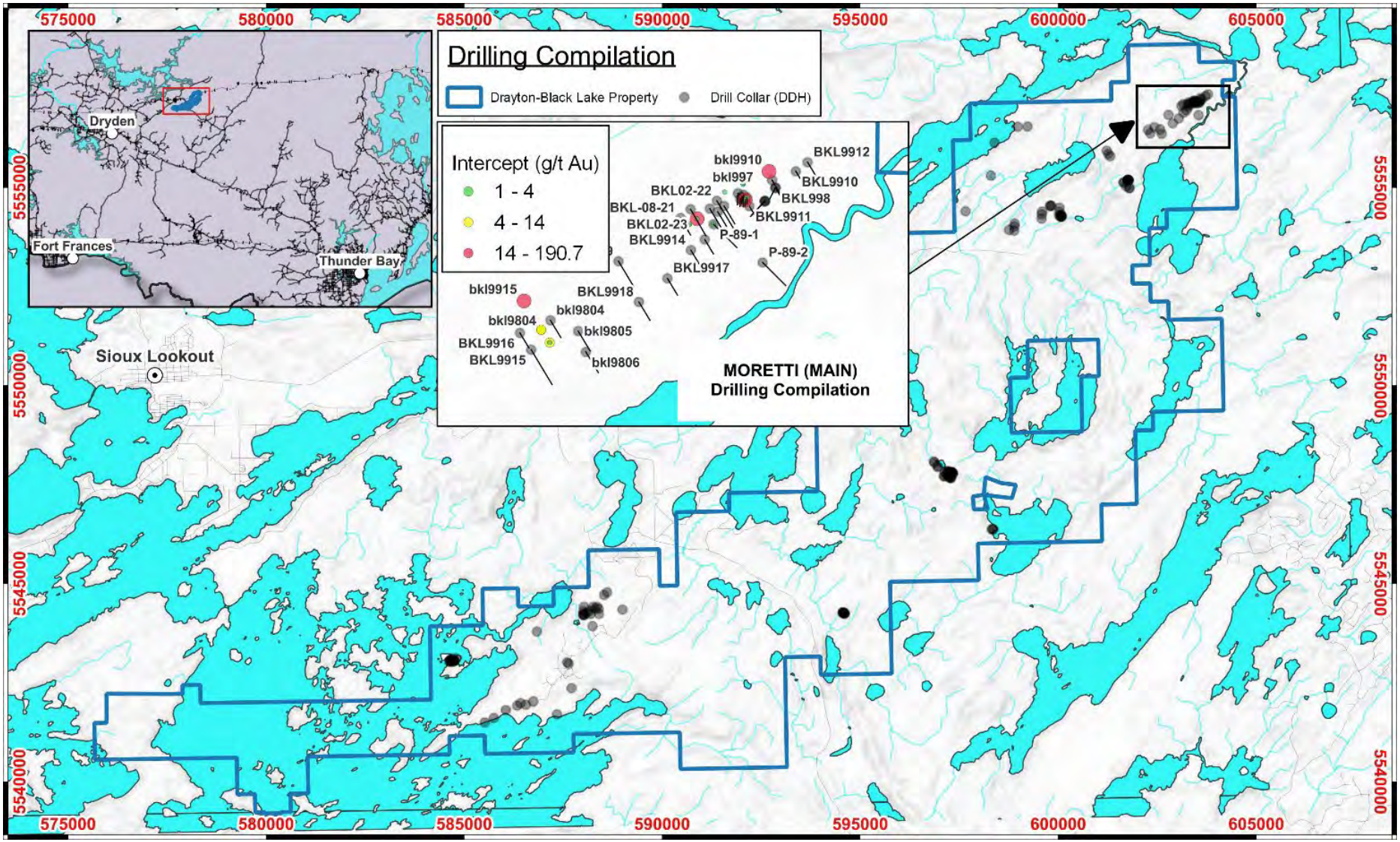


Figure 17. *Drilling compilation with an example of detailed work from Moretti-Main Target.*

Geophysical data (e.g., resistivity) were useful for mapping of gross stratigraphic boundaries (Split Lake intrusion) but further demonstrated the need for updated regional mapping. Geochemical data (e.g., gold-in-till; Fig. 18) provided direct target generation for the 2022 follow-up field program (see 2022 Channel Sampling Program, Black Lake results).

Drillhole compilation and 3D analysis of mineralized intercepts were field checked against surface structural controls to i) assess structural setting and or complexity, ii) determine relationships with respect to interpretation of historical drill results and iii) set detailed targets for planned scout drill program.

AIRBORNE GEOPHYSICAL SURVEY (MAGNETOMETER + TIME DOMAIN EM)

Prospectair Geosurveys completed a 1,574 line-km Heliborne Magnetic and TDEM Survey airborne versatile time over the Drayton-Black Lake Property (Fig. 20; Appendix V). The survey operations were conducted out of the Sioux Lookout Airport from April 17 to 26, 2022.

The Black Lake Drayton block was flown with traverse lines at 100 m spacing and control lines spaced every 1,000 m. Survey lines were oriented N166 and control lines were oriented perpendicular to traverse lines. The nominal flying height averaged 91 m, with the mag sensor and receiver coil at 66 m, and the transmitter loop at 41 m above the ground. The average survey flying speed (calculated equivalent ground speed) was 29.2 m/s.

Data included magnetic total field, first derivative, second derivative and full-tilt products. EM products included multi-channel time domain data and early-, mid- and late-time grids with discrete anomaly picks (Appendix V).

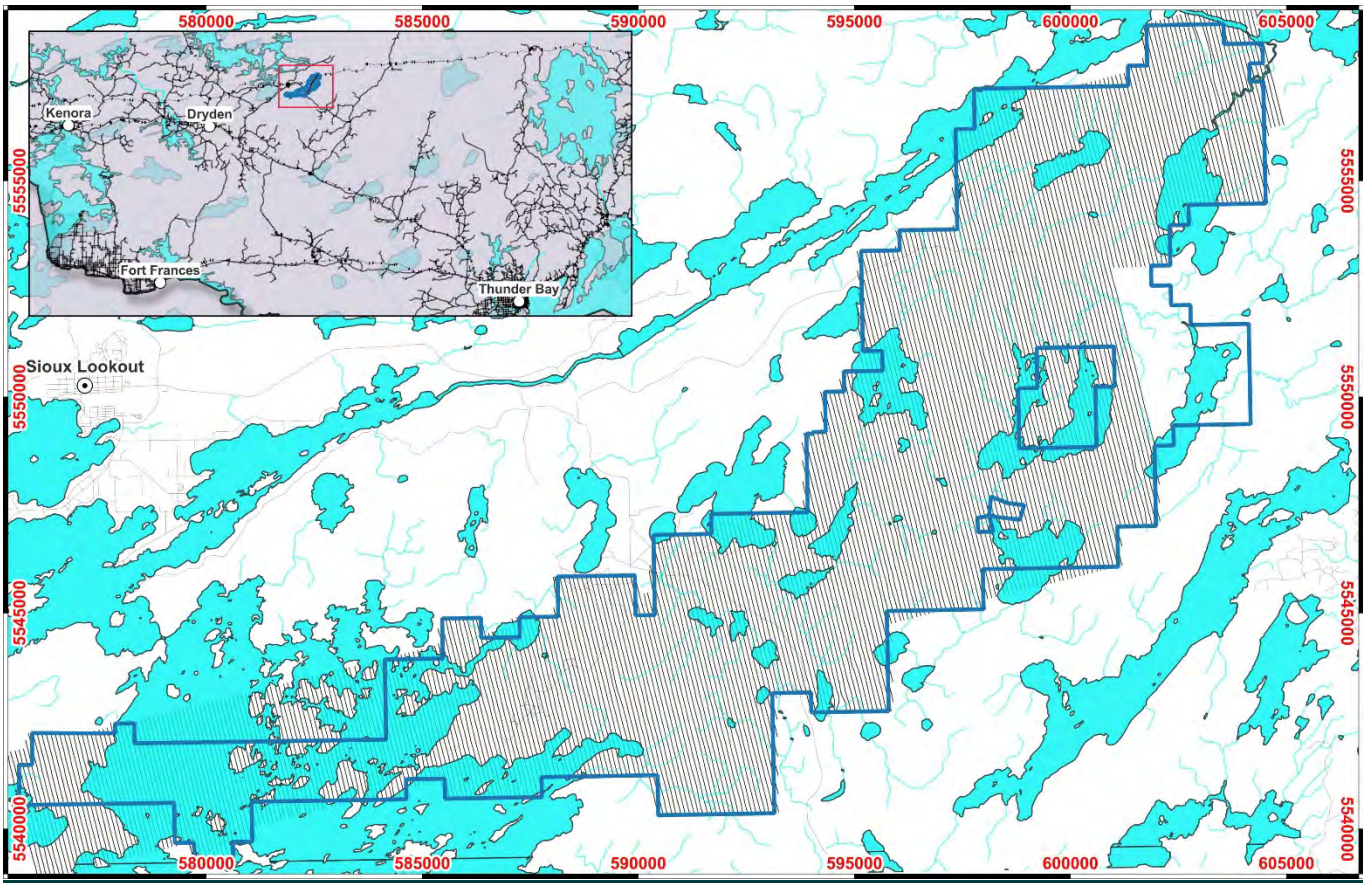


Figure 18. *Flight line coverage 2022 helicopter Mag/EM survey, Drayton-Black Lake Property (n.b. tie-lies removed).*

MAGNETIC DATA

Despite a well-defined northeast to southwest regional geological trend (e.g., Fig. 10) the magnetic map patterns indicate a far more complex geological setting at the regional and prospect scale (Fig. 21). Only in a few instances is the predominant NE-SW structural fabric evidenced and then, typically only by a breaks in otherwise narrow, elongate or arcuate magnetostratigraphic patterns. The characteristic map pattern in the project area is comprised of narrow bands of alternating magnetostratigraphy reflecting underlying deformed mafic, intermediate and felsic rocks, including many identified as intrusive phases (Table 3). Therefore, in most instances, the magnetic map patterns likely reflect repeated stratigraphy, dissected (F1/F2?) folds and secondary structures; some trending obliquely and others orthogonal to the main "regional" trend (e.g., Alcona Deformation Zone).

As part of the new regional compilation an analysis of historical mapping by Lewis (2010, 2011) including magnetic susceptibility (k) data have been incorporated into the preliminary interpretation of the new 2022 aeromagnetic data (Table 3).

Table 3. *Summary of magnetic susceptibility (k) data (after Lewis, 2011).*

LITHOLOGY	AVERAGE SUSCEPTIBILITY[1] (X10-3 SI)	SD (X10-3SI)	SITE COUNT (N)
FELSIC INTRUSION	0.34	0.08	30
FELSIC VOLCANIC	0.14	0.02	56
FELSIC (UNDIVIDED)	0.95	0.60	6
GABBRO (ETC.)	11.38	4.24	19
GRANITE	0.17	0.13	5
GRANODIORITE	0.61	0.35	10
IRON FORMATION	152	141	4
INTERMEDIATE VOLCANIC	2.05	1.23	21
MAFIC INTRUSION	0.91	0.42	4
MAFIC VOLCANIC	2.23	0.57	141
MAFIC (UNDIVIDED)	2.63	1.81	10
TONALITE	0.31	0.25	4

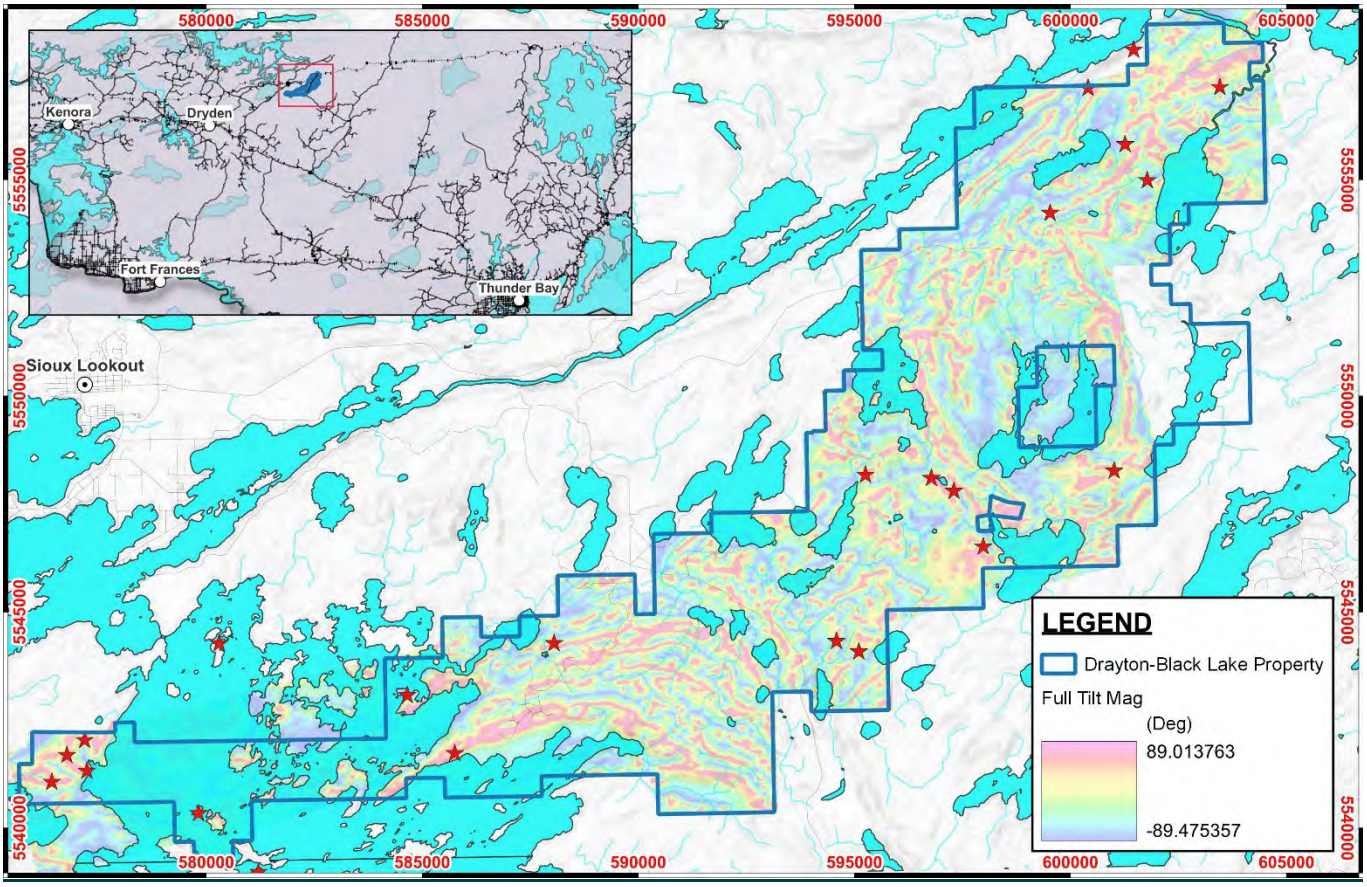


Figure 19. *2022 airborne magnetic data grid (Tilt Mag; see report Appendix V) with gold occurrences (red star) modified after Ontario Geological Survey, (2022). See Fig. 12 for Au occurrence labels.*

[1] Average of median value for each site; n.b. each site had ten (10) magnetic susceptibility readings.

Large-scale arcuate (sigmoidal) magnetic map patterns are clear at the regional scale and indicate regional fold axes and strain partitioning around intrusive bodies (e.g., Split Lake Pluton). The magnetostratigraphy is manifested in felsic-intermediate-mafic belts throughout the property (cf. Table 3; k>2.0 SI = positive tilt mag anomalies). These same map patterns are also reflected to some extent in topographic features when compared with \ several digital elevation products created for the project, including new DEM from 2022 airborne survey. Thus DEM data features represent potential exploration target vectors as well.

ELECTROMAGNETIC DATA

The electromagnetic data for the property consisted of time-domain data and was generally ineffective as an exploration tool (Fig. 22). Off-time data contained little geological signal of use for mineral exploration and the automated target picks (i.e. Tau; Fig. 22) reflected mostly cultural features. Of note, the clastic sedimentary rocks of the Southern Sedimentary Belt (e.g., Fig. 11) generated the only appreciable off-time response. Field checks of several discrete anomalies (i.e. Tau picks) could not identify the source of the weak off-time response.

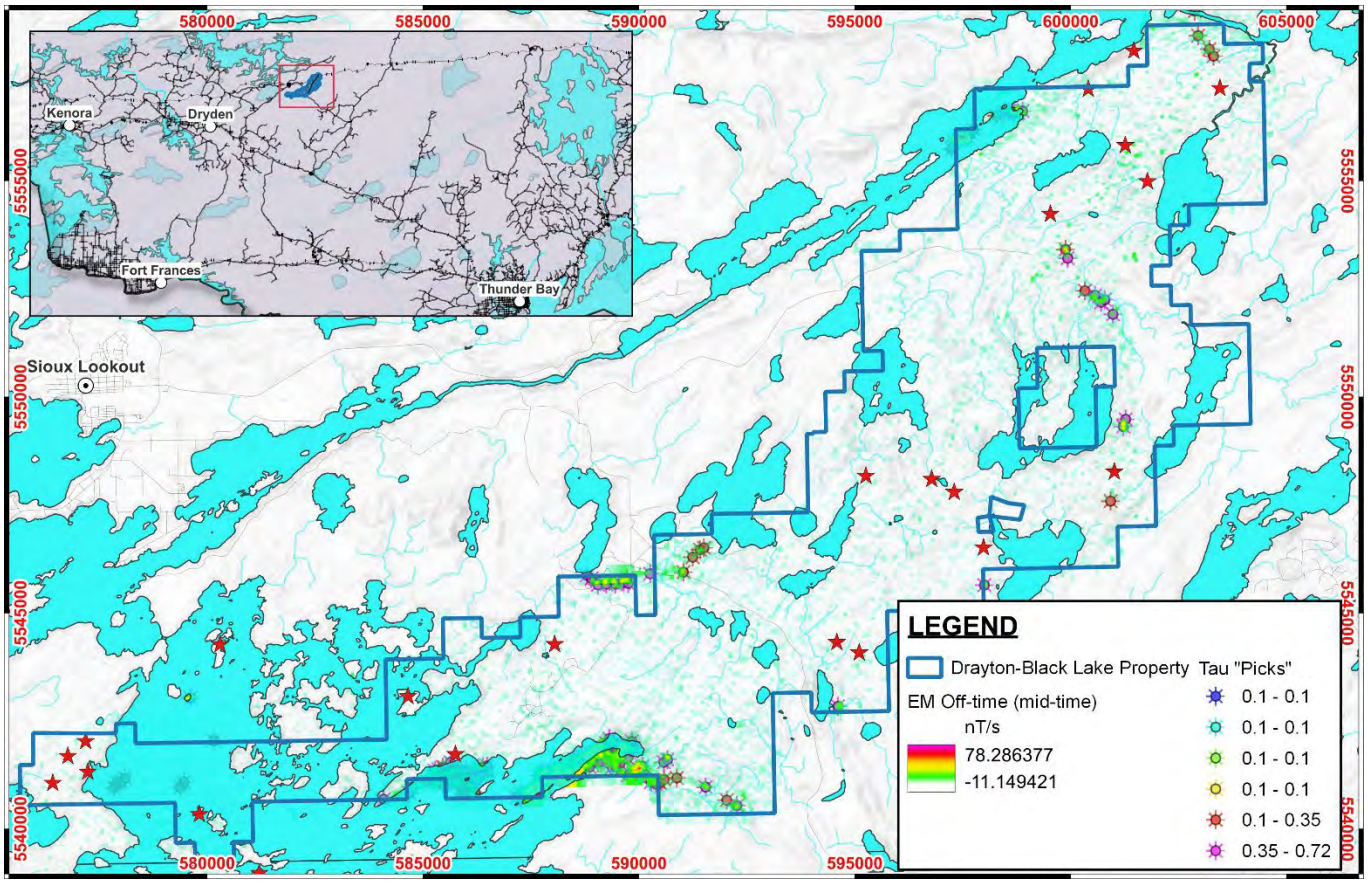


***Figure 20**. 2022 airborne time-domain data; mid-time EM results (gridded) with automated Tau anomaly picks. Gold occurrences (red star) modified after Ontario Geological Survey (2022). See Fig. 12 for gold Mineral Occurrence labels.*

RECONNAISSANCE FIELD PROGRAM

A team of eight contract geologists (Harrison Reid, Tommy Clark, Daniel Chodur, AJ MacLaurin, Sam Atterley, Rick Horne, and Mitch Lavery) and three prospectors (Claude Jacques, Edward Blackned, Gabrieal Brazeau) , were based out of Sioux Lookout for a five-month program and completed a two-phase approach of prospecting and sampling. The first phase included a regional program of sampling of mineral occurrences, new outcrop exposures and follow-up of geochemical targets, based on the compilation of data from previous till surveys. In total 240 grab samples were collected. See Appendix VI for detailed sample maps.

The field program began July 15, 2022 and finished October 27, 2022 for a total of 86 days in the field.

Additional prospecting, mapping and sampling of deformation zones was completed in an around the south Black Lake area to locate the source of gold (grain) in till anomalies from previous exploration campaigned (ca. 2018-2021).

In priority areas (e.g., New Millennium and Black Lake) hand-stripping of small areas exposed extensive quartz (+/- stockwork) vein arrays (Figs 23 and 24) with broad disseminated sulfide alteration halos. Field staff uncovered a large, mineralized outcrop in the T7 prospect area with extensive veining and alteration. Systematic chip sampling across 5 m (N=6) returned anomalous gold values up to 1.3 g/t Au (Fig. 23).

Figure 21. *New outcrop exposure at New Millennium T7 prospect area.*

Figure 22. *Close-up photograph of quartz veins (vein arrays) at New Millennium T7 prospect area (marked for measurement).*

While the focus of the early prospecting and sampling program was priority mineral occurrences, prospecting and sampling around the secondary prospects also returned positive results (e.g., the T7 prospect at New Millennium). A mineralized quartz vein float sample with visible gold returned 2,330 g/t (D909175). Additional prospecting in the area located evidence of a probable trench completed by previous operators. Hand stripping and clearing of a three-metre section exposed a boudinaged quartz vein approximately 10-30 cm wide over several metres of strike. A composite chip sample (D909173) from *in situ* quartz vein material returned 18.9 g/t Au.

At several other areas (e.g., north of New Millennium T9 prospect and south of Black Lake) deformed and altered bedrock exposures with variable amount of veining were sampled and retuned anomalous values (i.e. >100 ppb Au) up to 2.5 g/t Au (Fig. 25).

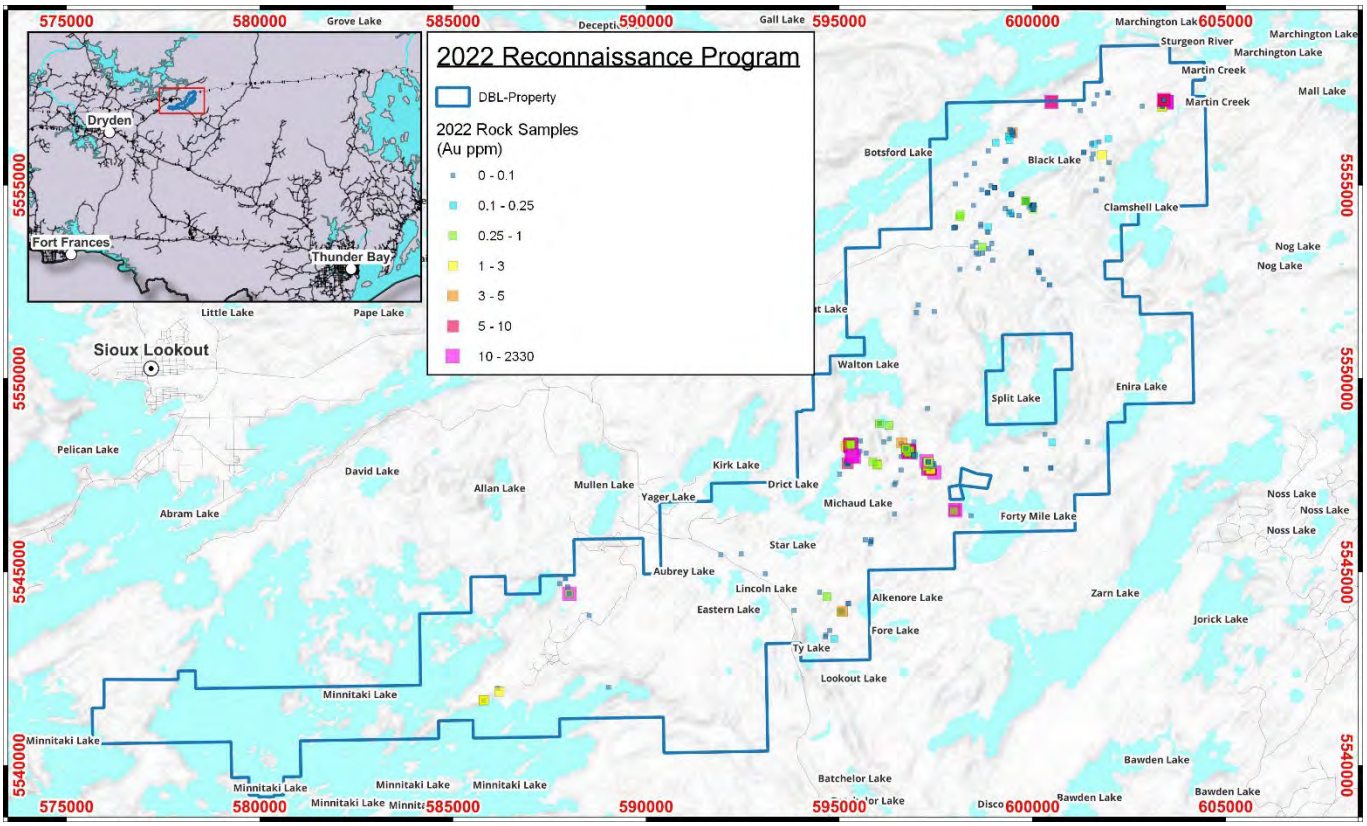


Figure 23. *Proportional symbol plot of Au in rock samples from 2022 field program*

DEPORTMENT STUDY

Activation Laboratories ("Actlabs") completed a deportment study on samples submitted. Six (6) composite samples were collected from several prospective areas (i.e. Moretti Main, New Millennium and Alcona Main) to determine the gold deportment based on the review of multi-element data and the lack of obvious VG in many field samples that returned high gold assay values (e.g., >30 g/t Au).

Of the six samples initially submitted, only three (3) were selected for additional QEMSCAN analysis based on a 10 g/t Au minimum threshold. Sample #2 (#290252) was collected from a sulphide-rich pod in a quartz vein from the Moretti Main prospect. Sample #3 (290253) was collected from the Moretti "bulk-sample" vein trench and sample #5 (290255) was collected from a small E-W discordant "splay" vein (Central Vein Set) at the Alcona Main target (Lunch prospect).

Sample #1 (290051; Table 4) was a chip composite from a sulphide-rich high-grade gold vein at the New Millennium T9 prospect and Sample #4 (290054; Table 4) was a chip composite sample from a distinct quartz-breccia vein adjacent to the Moretti "bulk-sample" vein (Sample #2).

Table 4. *Select analytical data for deportment study material (n.b. samples are composite chips from outcrop). Complete analytical results are presented in Appendix IV.*

Analyte		Au	Ag	As	Bi	Cu	Fe	Pb	S	Te	Zn	Weight	Au
Unit		ppb	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	Kg	g/t
Low-Limit		*5*	*0.01*	*0.2*	*0.01*	*0.2*	*0.01*	*0.5*	*0.01*	*0.05*	*2*		*0.02*
Method Code		*FA-AA*	*TD-*	*TD-*	*TD-*	*TD-MS*	*TD-*	*TD-MS*	*TD-*	*TD-*	*TD-*		*FA-*
	Sample ID												
New Millennium	290251	3410	35.6	2.1	3.54	229	1.16	1200	0.20	26.1	1350	6.19	
Moretti	**290252**	**> 10000**	**67.9**	**2.2**	**1040**	**> 10000**	**4.77**	**28.2**	**4.88**	**5.46**	**143**	**2.97**	**13.9**
Moretti	**290253**	**> 10000**	**23.6**	**13.7**	**53.2**	**160**	**2.04**	**240**	**0.02**	**4.38**	**27**	**2.69**	**94.7**
Moretti	290254	92	0.06	4.2	0.43	15.7	3.24	4.1	0.01	0.06	35	2.70	
Alcona	**290255**	**> 10000**	**> 100**	**1.2**	**5.54**	**6540**	**1.88**	**2530**	**1.56**	**78.0**	**182**	**5.87**	**29.7**
Alcona	290256	4840	45.2	1.8	10.4	1700	2.27	>	2.46	30.3	8010	6.15	

Figure 24. *Gold deportment QEMSCAN particle mapping and sample photo for Sample #2 (see Fig. 29 for legend).*

Figure 25. *Gold deportment QEMSCAN particle mapping and sample photo for Sample #2 (see Fig. 29 for legend).*

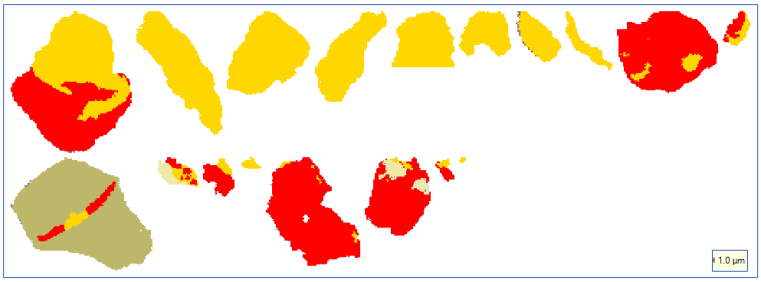


Figure 26. *Gold deportment QEMSCAN particle mapping and sample photo for Sample #2 (see Fig. 29 for legend).*

Ag appears as different phases in the sample, with Acanthite, Ag_2S, appearing in all samples, mostly as Ag telluride in Sample #5. Silver, in general is finer grained than gold (e.g., Fig. 29; Appendix IV), which is interpreted to represent a distinct mineralizing event.

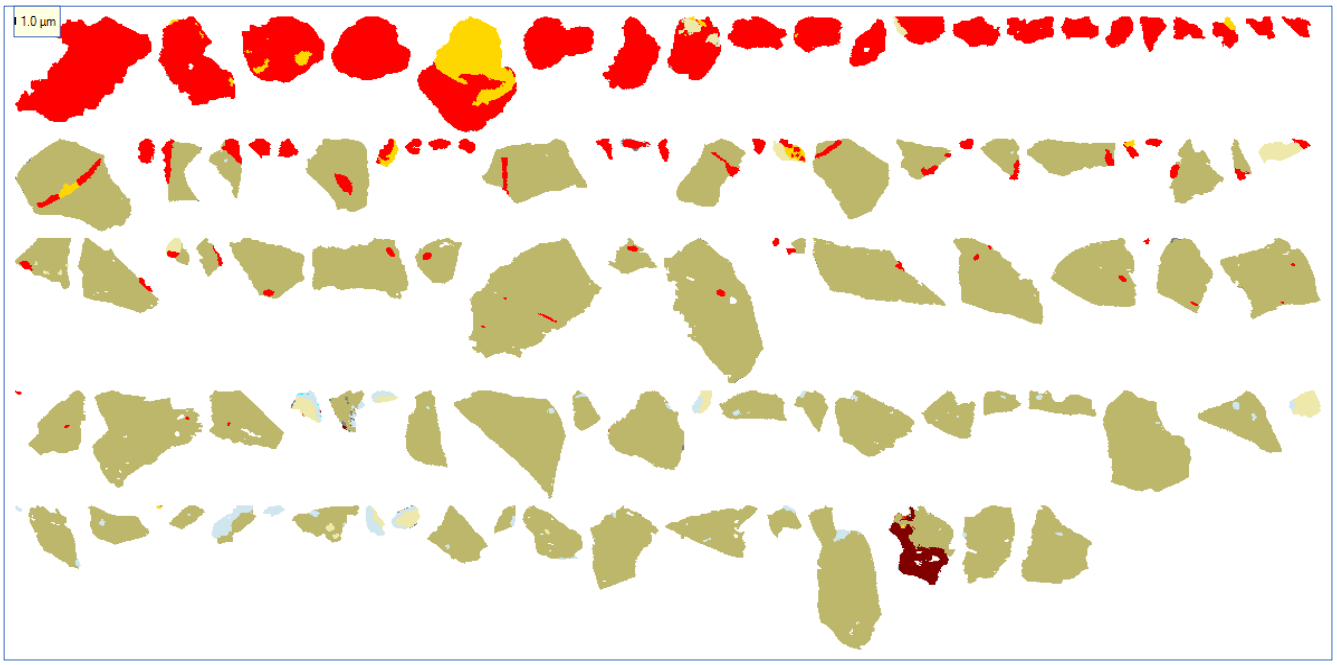
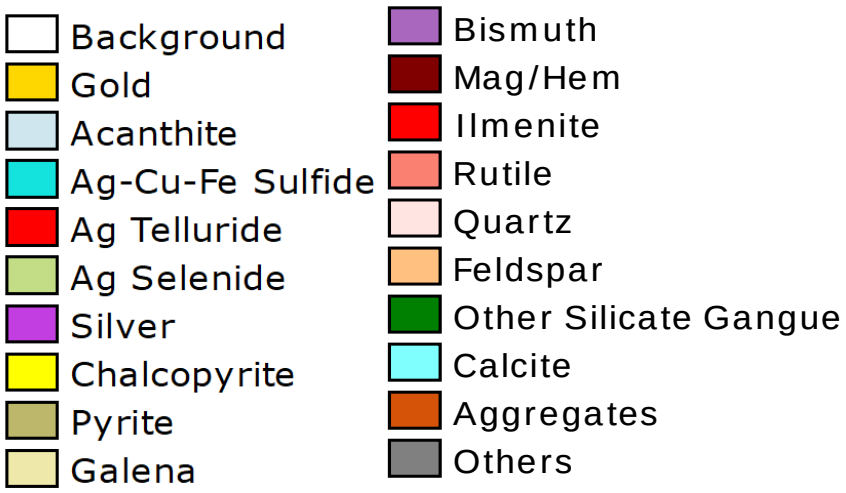


Figure 27. *Silver deportment for Sample #5, QEMSCAN particle mapping (see Fig. 28 for sample photo and gold grain map).*

LEGEND (Figs. 26-29)



Gold appears as electrum in all scanned samples with varying amounts of Au and Ag. Gold grains in these sample are relatively coarse with a size range of 3 micron up to 150 microns within the studied size fraction. Gold (Au/Ag) is largely free (>99% liberated) in two samples and >65% liberated in sample #5, which has the most abundant Ag-telluride (e.g., Figs. 28 and 29).

2022 CHANNEL SAMPLING PROGRAM

Forty-eight (48) channels were cut on fourteen (14) prospects in five (5) priority targets within two (2) project areas (i.e. Moretti and Alcona). In total there were 322 samples submitted for analysis which consisted of 279 rock samples and 43 QA/QC samples. Channel sampling was carried out from October 8, 2022 to October 23, 2022 for a total of 16 days in the field. See Appendix VII for detailed channel sample maps.

ALCONA MAIN

Nine (9) channels were cut and sampled at the North Vein Set and Central Vein Set prospects, which comprise the eastern portion of the 200 m wide Alcona Deformation Zone. Sample sites were chosen based reconnaissance sampling and mapping (e.g., mineralized, high-strain zones with quartz veining and sulphide (+/- carbonate, sericite, chlorite alteration).

The Alcona Main Target is comprised of a series of steeply-dipping, sub-parallel veins trending approximately 110°. Historically, these veins have been numbered (e.g., #1, #2, # 3 etc.), however, field observations suggest that the structural setting is more complex and there are many other significant veins including mineralized “splays” and discordant structures that have not been identified or formally named.

For the current compilation and field program the veins have been more generally grouped into the “North Vein Set” (Fig. 30) and “Central Vein Set” (Fig. 31) vein sets until a more comprehensive assessment can be completed.

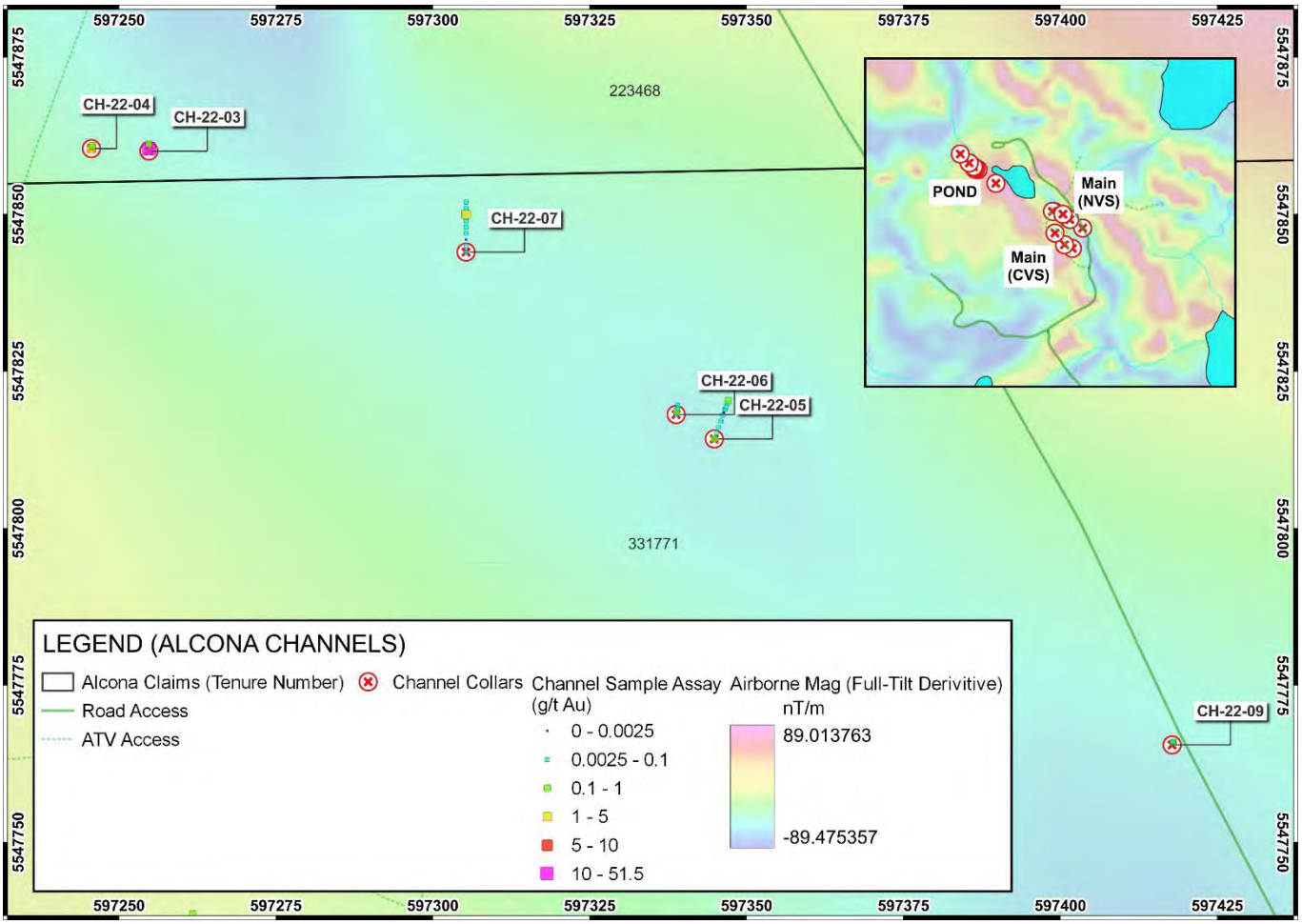


Figure 28. *Alcona-Main North Vein Set (NVS) prospect channel sample locations and results over new airborne magnetic data.*

The North Vein Set was assessed along 220 m of strike with six (6) channels (Fig. 30). Anomalous gold mineralization was encountered in all channels.

- Highlights include (total channel length):
    - CH-22-03 (2.0 m) - 7.85 g/t Au over 2.0 m; incl. 19.2 g/t Au and 72.8 g/t Ag over 0.8 m (Fig. 33)
    - CH-22-04 (1.0 m) - 1.06 g/t Au over 1.0 m; incl. 1.9 g/t Au and 25.6 g/t Ag over 0.5 m
    - CH-22-07 (9.0 m) - 1.17 g/t Au and 3.01 g/t Ag over 1.0 m

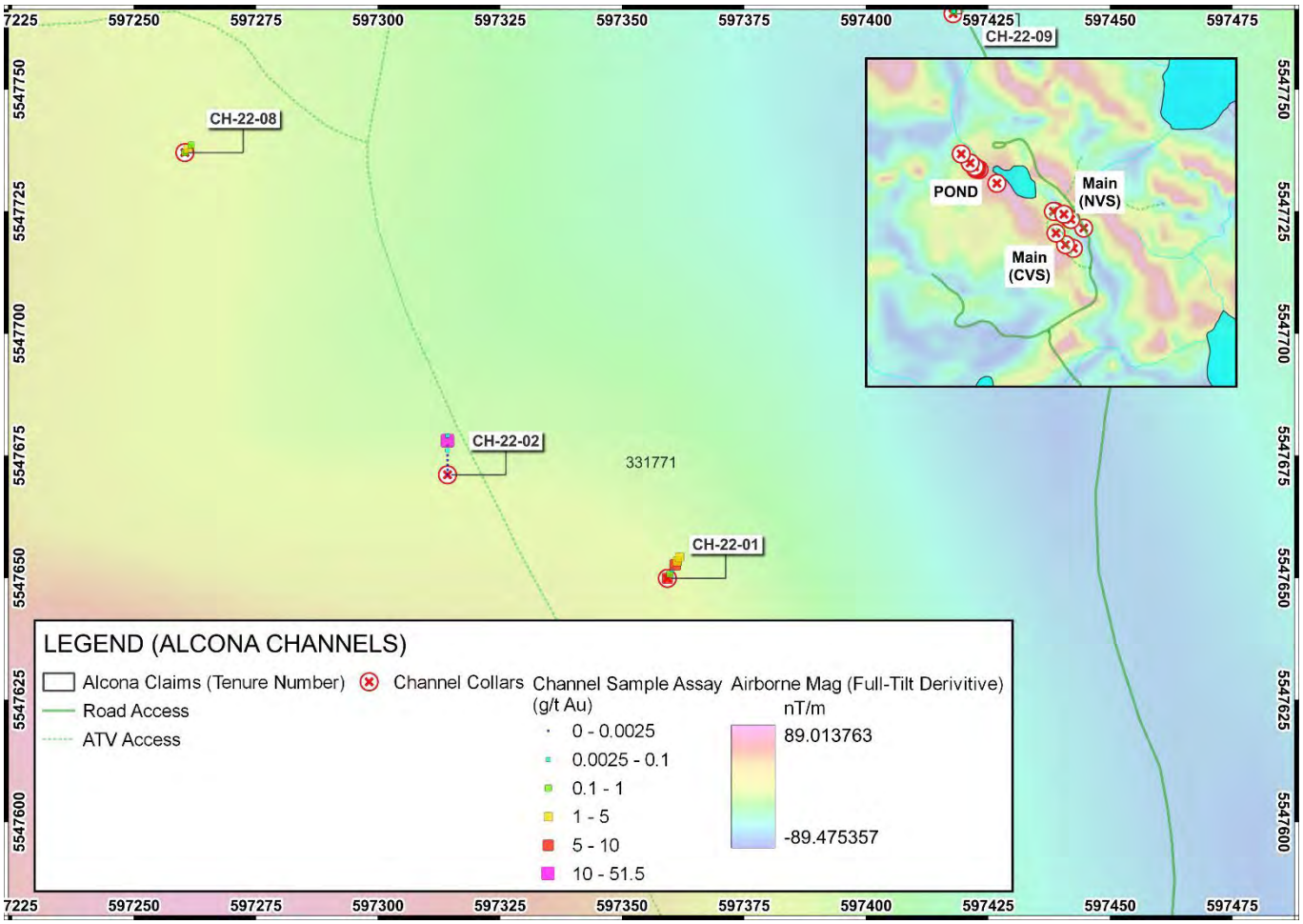


Figure 29. *Alcona-Main Central Vein Set (CVS) prospect channel sample locations and results over new airborne magnetic data.*

- The Central Vein Set was assessed over 130 m of strike with three (3) channels (Fig. 31). Anomalous gold mineralization was encountered in all channels.
- Highlights include (total channel length):
    - CH-22-01 (5.1 m) - 2.72 g/t Au over 5.1 m; incl. 9.41 g/t Au and 25.7 g/t Ag over 0.8 m
    - CH-22-02 (8.5 m) - 21.9 g/t Au and 121 g/t Ag over 1.0 m (Fig. 32)
    - CH-22-08 (3.0 m) - 0.86 g/t Au over 3.0 m; incl. 1.99 g/t Au and 3.61 g/t Ag over 1.0 m

Figure 30. Channel sample D909453 (Alcona-Main-Central vein set prospect) returned 21.9 g/t Au and 121 g/t Ag over 1.0 m.

Figure 31. Channel sample D909471 (Alcona-Main-North vein set prospect) returned 19.15 g/t Au and 72.8 g/t Ag over 0.8 m.

ALCONA-POND

The Alcona-Pond Target is located approximately 600 m northwest, along strike, of the Alcona Main Target Area. Nine (9) channels were completed along 260 m of strike. All within the western exposure of the 200 m wide Alcona Deformation Zone (Fig. 34).

The main prospect at the Pond Target is the 60 m wide Power Line prospect, which was tested with six (6) channels. Anomalous gold mineralization was encountered in all channels.

- Highlights include (total channel length):
    - CH-22-21 (11.5 m) - 4.94 g/t Au over 4.0 m; incl. 15.75 g/t Au and 45.1g/t Ag over 1.0 m (Fig. 36)
    - CH-22-22 (16.0 m) - 2.17 g/t Au over 3.5 m; incl. 6.6 g/t Au and 49.5 g/t Ag over 1.0 m
    - CH-22-23 (15.1 m) - 4.85 g/t Au and 11.35 g/t Ag over 1.1 m
- The west extension of the Power Line prospect was evaluated with a single channel that confirmed the mineralization extends northwest, along strike, from the main prospect area by an additional 70 m.
    - Highlights include (total channel length):
        - CH-22-26 (4.0 m) - 0.78 g/t Au over 3.0 m; incl. 2.52 g/t Au and 3.19 g/t Ag over 1.0 m

To the east (e.g., CH-22-27) and west (e.g., CH-22-26) the deformation is characterized by more dominant simple shear characterized by a planar ductile sub-vertical fabric (~110º) in contrast to the main Power Line prospect and the convoluted array of thick, folded and variably oriented mineralized quartz veins (vein sets).

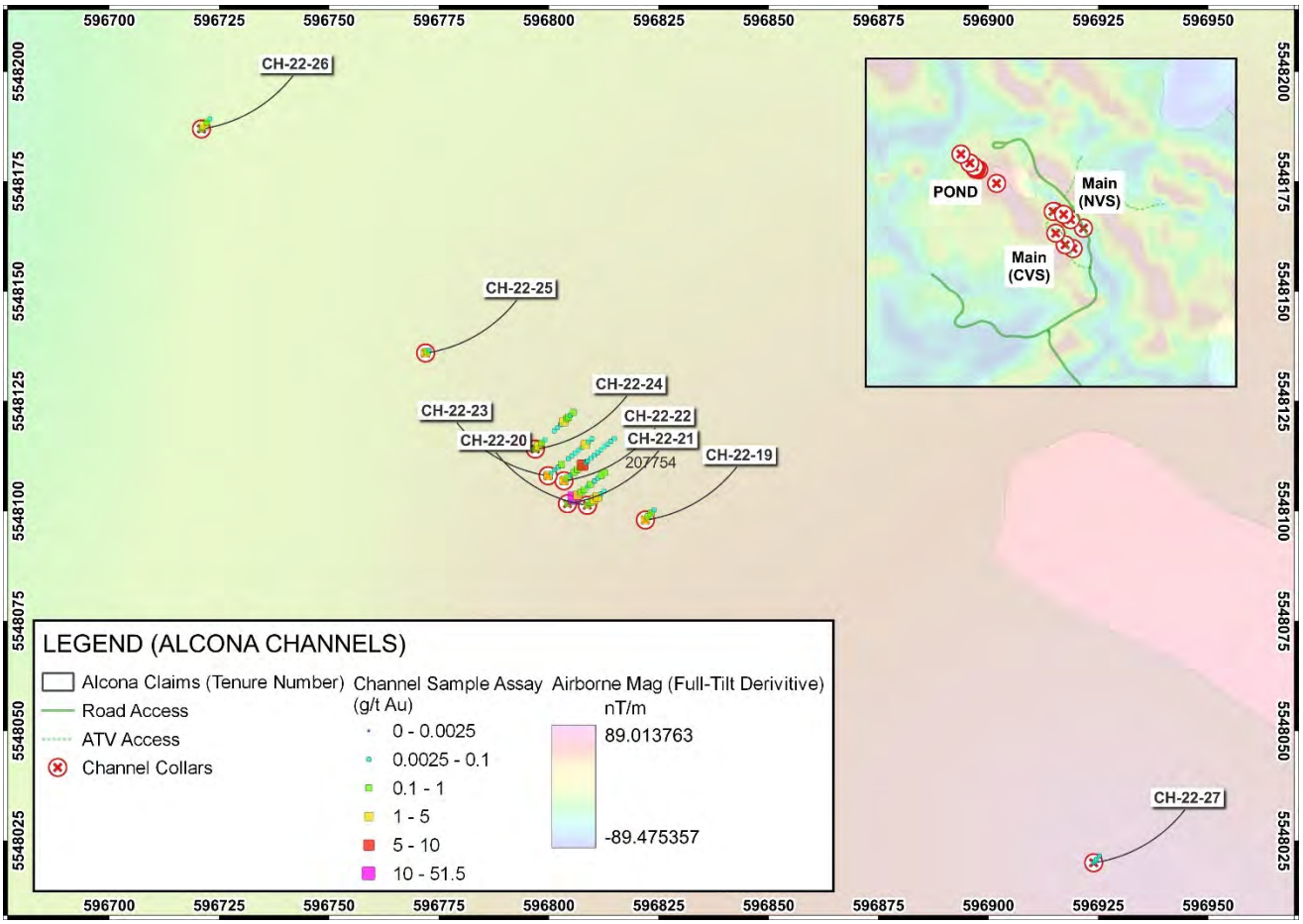


Figure 32. *Alcona-Pond prospect channel sample locations and results with new airborne magnetic data.*

Figure 33. *Complex folded vein arrays; Alcona-Pond-Power Line prospect.*

Figure 34. *Channel sample D909353 (Alcona-Pond-Power Line prospect) returned 15.75 g/t Au and 45.1 g/t Ag over 1.0 m.*

NEW MILLENNIUM

At the Alcona-New Millennium Target, nine (9) channels were completed at the T1, T7 and T9 prospects comprising an area of 500 m by 200 m. These prospect areas were trenched by previous operators (Riives, 2011). There has been no systematic sampling or any drilling at these and other New Millennium prospects. Preliminary mapping of vein sets and deformation fabrics indicate that there are two dominant structural trends at New Millennium, one oriented N-S (e.g., T1) and another trending E-W (e.g., T7 and T9). Both are characterized by well-developed sub-vertical, planar simple shear fabrics. However, locally developed stockwork systems and broad alteration zones are also evident. Mineralization is wide-spread and occurs within and between prospect areas at New Millennium.

The T9 prospect was assessed over 40 m of strike by sampling a discrete shear zone (1-3 m wide) with three (3) channels. Anomalous gold mineralization was encountered in all channels.

Highlights include (total channel length):

- CH-22-18 (1.5 m; Fig. 37) - 0.81 g/t Au over 1.5 m; incl. 1.19 g/t Au and 9.06 g/t Ag over 0.5 m
- CH-22-17 (3.0 m) - 4.69 g/t Au and 23.4 g/t Ag over 0.5 m
- CH-22-16 (4.2 m) - 5.31 g/t Au and 25.0 g/t Ag over 0.5 m

The T7 prospect was sampled within a 10 m strike length with three (3) channels. Anomalous gold mineralization was encountered in all channels.

Highlights include (total channel length):

- CH-22-11 (3.0 m) - 11.2 g/t Au over and 51.4 g/t Ag over 1.0 m (Fig. 38)

The T1 prospect was sampled along 50 m of strike with three (3) channels. Anomalous gold mineralization was encountered in several channels.

- CH-22-15 (0.229 g/t Au and 1.15 g/t Ag over 1.0 m).

Figure 35. *Shear-hosted quartz vein array, New Millennium channel site CH-22-18 (T9 prospect).*

Figure 36. *Channel sample D916552 (Alcona-New Millennium-T7 prospect) returned 11.15 g/t Au and 51.4 g/t Ag over 1.0 m.*

As a precursor to the channel sampling program, chip samples from earlier 2022 reconnaissance mapping and sampling at the T9 prospect (Fig. 37) returned Au values as high as 46.5 g/t Au (n=3; 17 g/t, 32.6 g/t and 46.5 g/t Au) with Ag values over 100 g/t.

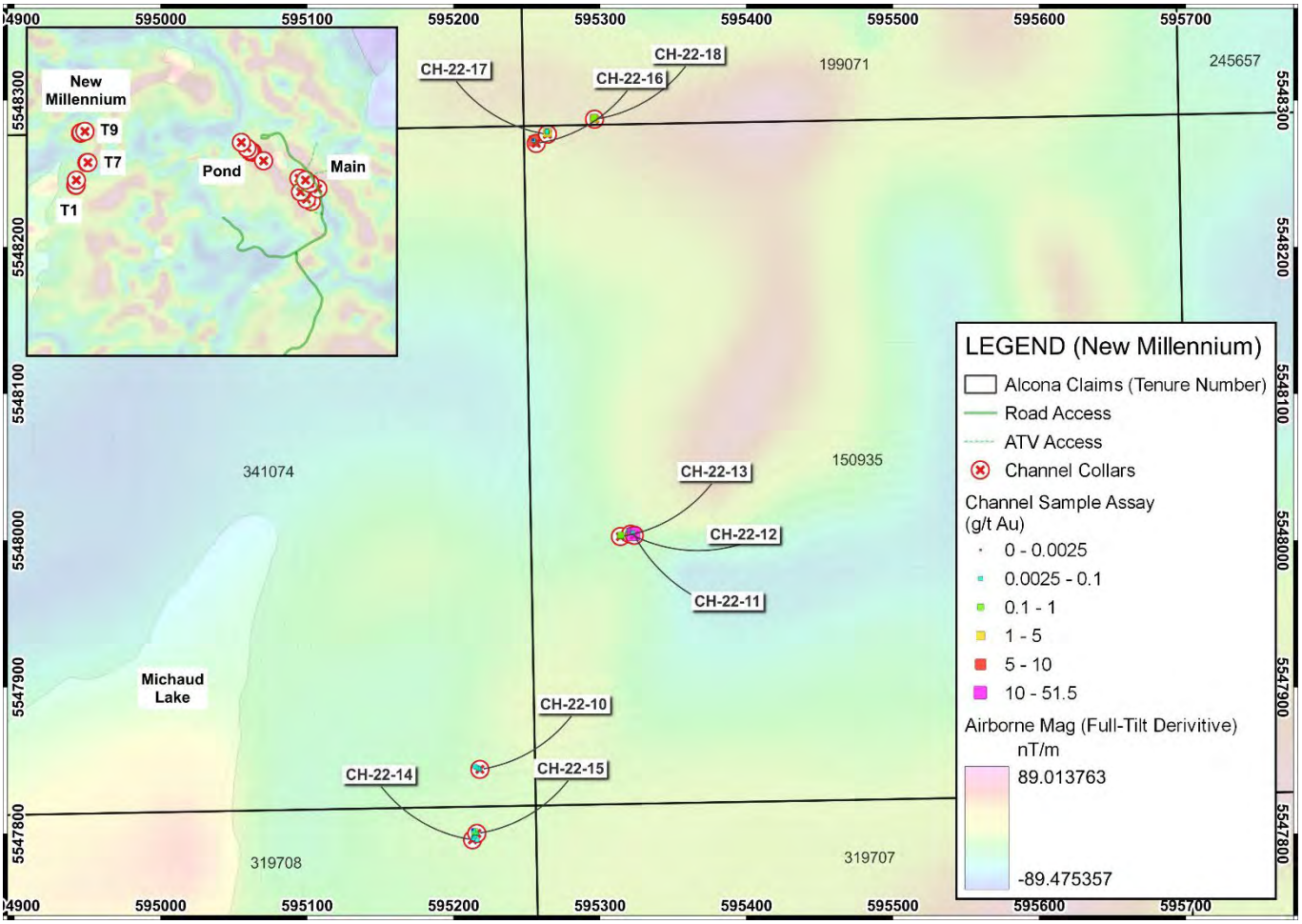


Figure 37. *Alcona-New Millennium target channel sample locations and results with new airborne magnetic data.*

At Moretti-Main, six (6) channels were completed over the north and south prospects comprising an area of 150 m by 130 m. Both steep, shear-parallel veins and shallow discordant vein sets were evaluated.

At the North prospect, a large, well exposed shallow-dipping discordant (to the NE-trending Moretti shear) vein was channeled along strike to assess the bulk gold tenor of that vein and confirm historical sample results (Fig. 40).

CH-22-40 returned 7.12 g/t Au over 10 m[1] (i.e. 10 x 1.0 m samples; incl. 51.5 g/t Au and 1.38 g/t Ag over 1.0 m, Fig. 41).

The results compare well with historical sampling. High-grade gold samples typically exhibit high Au:Ag ratios, in contrast to those samples from the Alcona area.

[1] This is an average of all (1.0 m) samples and includes internal dilution.

At the South prospect, two shear-parallel veins were channeled, and both returned positive gold values.

- Highlights include (total length):
    - CH-22-30 (1.5 m) - 1.23 g/t Au over 1.5 m
    - CH-22-31 (3.0 m) - 1.58 g/t Au over 1.0 m

Figure 38. *Shallow-dipping discordant vein (black line), Moretti-Main North Vein prospect.*

Figure 39. *Channel sample F809507 (Moretti-Main North Vein prospect) returned 51.5 g/t Au and 1.38 g/t Ag over 1.0 m.*

At Moretti-Black Lake, fifteen (15) channels were completed on historical prospects and as a follow up to positive geochemistry survey results (e.g., gold grains in till; Fig. 42). Au values ranged from below detection to trace with a positive correlation between Au and Ag noted even in the lower tenor results.

Several of the channel sites were selected to test local deformation zones with well-developed ductile shear fabrics and moderate to intense carbonate alteration. Quartz veins were typically mm-scale with extensive Fe-carbonate association; however, assays results were very low.

The results of the 2022 channel sampling program on the Drayton-Black Lake property confirm widespread Au-Ag mineralization hosted in deformation corridors ranging from discrete 3-5 m wide shear structures (e.g., New Millennium T9) to broad (>200 m) composite deformation zones (e.g., Alcona Main North and Central vein sets). The channel results along with grab samples from these targets confirm the presence of a large (i.e. with respect to distribution throughout property), structurally controlled and locally high-grade Au-Ag mineral system.

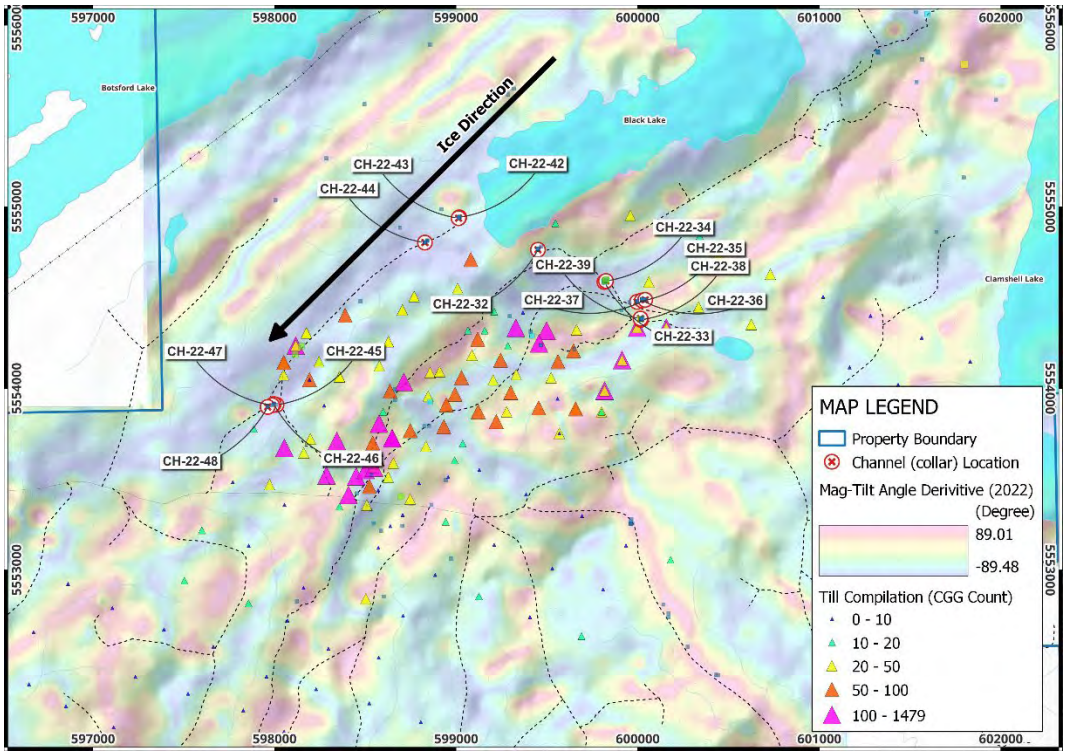


Figure 40. *Map of channel locations and till (compilation) data over 2022 mag survey / DEM data.*

Table 5. *List of target and prospect channel locations (samples).*

COUNT	AREA	TARGET	PROSPECT	CHANNEL (ID)
(4)	Moretti	Main	North	28, 29, 40 and 41
(2)			South	30 and 31
(3)		Black Lake	Emerald	35, 36, and 37
(2)			Drag	38 and 39
(2)			Bloom	42 and 43
(5)			Bloom Road	44, 45, 46, 47 and 48
(2)			Holbrook	33 and 34
(1)			Stockwork	32
(6)	Alcona	Main	North Vein Set	3, 4, 5, 6, 7 and 9
(3)			Central Vein Set	1, 2 and 8
(9)		Pond	Power Line (+ E and W)	19, 20, 21, 22, 23, 24, 25, 26, and 27
(3)		New Millennium	T1	10, 14 and 15
(3)			T7	11, 12 and 13
(3)			T9	16, 17 and 18
(48)	**(2)**	**(5)**	**(14)**	**(48)**

CONCLUSIONS

New geophysical data collected by Heritage in 2022 reflect subtle and complex folding patterns in magnetostratigraphy (e.g., mafic and felsic volcanic units) at both Alcona Main and New Millennium targets in addition to complex regional shear patterns throughout the Drayton-Black Lake Property (Fig. 21).

Generalized geologic maps for the Drayton-Black Lake area (e.g., Fig. 11) consist primarily of northeast-southwest-trending, felsic-intermediate-mafic volcanic rock packages (e.g., Central Volcanic Belt) intruded by undeformed granite stocks. Geophysical data reflect a far more complex structural setting interpreted to represent a polyphase deformation history manifested as a dominant regional NE-SW multi-km scale architecture with internal folding and thrusting along with complex internal secondary and tertiary structures (200-500 m scale); manifested largely as discrete m-scale zones of intense ductile deformation, which dissect and offset 100-500 m scale folds.

In several instances, veins and vein arrays are consistent with interpreted (geophysical) axial-parallel orientation and displacement. Many vein array orientations are also consistent with regional-scale structural elements that have not been previously recognized. This provides new context to historic results including more recent (e.g., 2018-2021) till geochemistry completed by previous operators.

The field program was successful in confirming high-grade Au-Ag mineralization at Alcona-Main, Alcona-Pond, Alcona-New Millennium and Moretti-Main. Most historical high-grade outcrops returned consistent (i.e. even upon re-sample) high-grade results; however, the expanded chemistry suite provided the first systematic characterization of element associations (e.g., Au-Ag-Te) for improved vectoring and target generation.

Mineralization is typically associated with several styles of quartz-carbonate (+/- sulphide) veins ranging in thickness from less than 1.0 cm to greater than 50 cm. Vein orientations vary locally but in general reflect related and potentially complimentary structural settings at the prospect and target level.

Analytical data suggest a strong positive relationship between Au-Ag-Te along with positive correlations between Au and several other potential pathfinder elements (Figs 43-45).

However, in the Alcona Area (*sensu lato*) the Au:Ag ratio is approximately 1:10. In the Moretti area the analytical data still displays a strong positive correlation but with Au:Ag ratio of approximately 10:1 (Fig. 43). The Te content is also distinctly higher for the Alcona Area (*sensu lato*) versus the Moretti Area (*sensu stricto*).

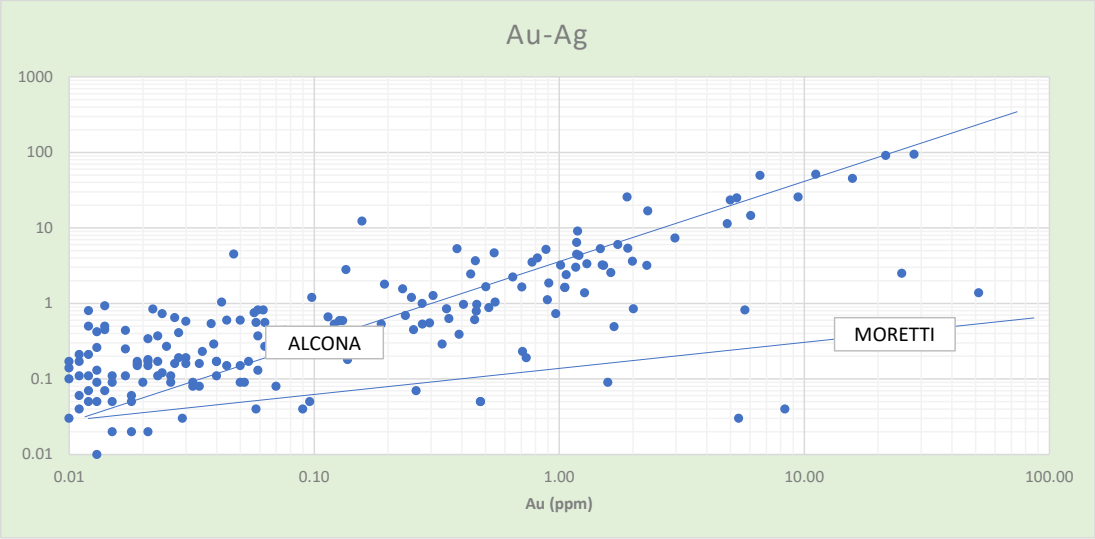


Figure 41. *Scatterplot (logarithmic scale) of Au versus ppm Ag (Y-axis) with a comparison of Alcona (i.e. Alcona Main, Pond and New Millennium targets) and Moretti rock samples (i.e. Moretti prospects).*

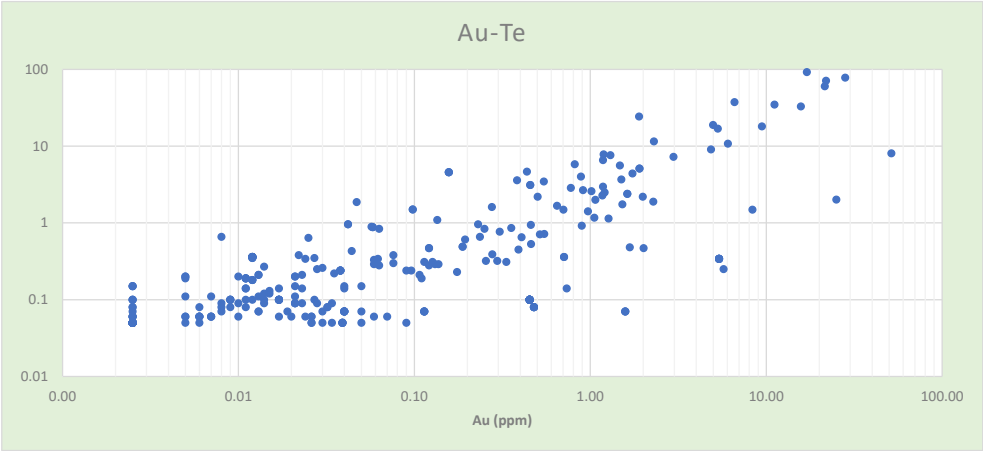


Figure 42. *Scatterplot (logarithmic scale) of Au versus ppm Te (Y-axis) for rock samples.*

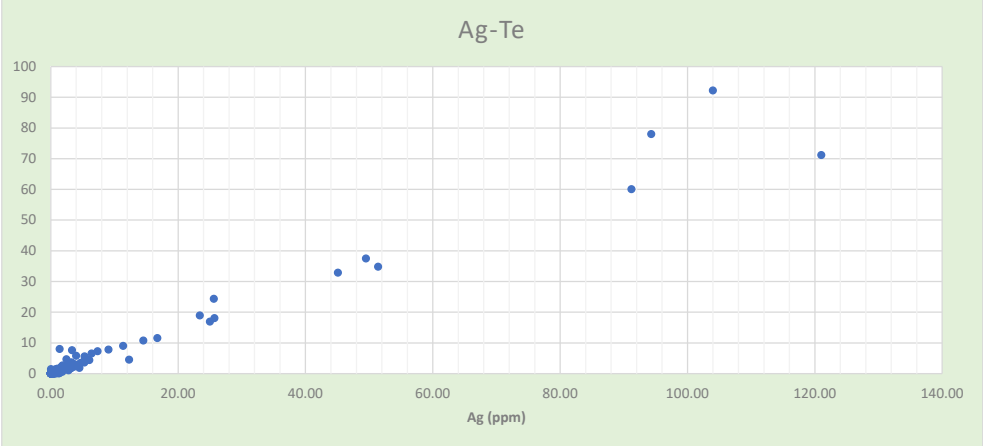


Figure 43. *Scatterplot of Ag versus ppm Te (Y-axis) for rock samples from DBL Property.*

Thus, there appears to be two (or more) distinct mineral systems/events within the Drayton-Black Lake Property. This can be characterized by the Au:Ag ratio (e.g., Fig. 43 and Table 6), the size difference between the gold and silver grains (Fig. 29; Appendix IV) and distinct spatial association and Te content (e.g., Table 4.).

These results are consistent with those found in the Goliath Gold complex located immediately to the southwest of the property (e.g., Fig. 10).

Table 6. *Gold search summary results from the 2022 deportment study.*

	AU GRAINS (#)	AG GRAINS (#)	GOLD PHASE	SILVER PHASE
SAMPLE #2	16	10	Electrum	Acanthite / Ag Selenide
SAMPLE #3	25	12	Electrum	Acanthite / Native Silver
SAMPLE #5	18	+100	Electrum	Acanthite / Ag Telluride

Preliminary mapping information indicates that mineralization is confined largely to quartz vein systems and arrays that occur either as narrow discrete simple-shear features, typically less than one meter in width but (potentially) within larger deformation panels (e.g., 200-500 m wide cf. Alcona Deformation Zone) or stockwork vein arrays. The latter also is divisible in to two categories: i) small-scale (cm-m) simple conjugate array systems with a pervasive sulphide (Py-dominant) halo (e.g. Fig. 24) or more complex arrays of highly deformed discrete thick (+/- 1 metre) quartz vein indicative a more complex or multi-phase deformation setting (e.g., Fig. 35). These may be analogous to “fold-related” occurrences noted by other authors in reference to mineral occurrences throughout the belt.

DISCUSSION

The historic data compilation provided essential information for the preliminary reconnaissance program and guiding early activities. Various data sets including geochemistry, assays and field measurements will be useful in developing a comprehensive exploration model. Previous empirical observations including the relationship between gold and silver and mineralization and folds/lithological contacts are not atypical for Archean orogenic gold systems. However, the lack of a coherent geological model (2D and 3D) including field mapping and especially vein classification, still demonstrates the need for a more comprehensive compilation program of existing geology through map and drillhole log data.

The new geophysical (magnetic) data, (e.g., magnetostratigraphy map patterns), clearly indicate a complex structural setting that has only been approximated (e.g., Page and Moller, 1979a and 1979b) but never systematically characterized with respect to mineral exploration and potential ore controls (*sensu lato*). This is key to understanding past drill results, developing new targets and understanding future drill results. Whereas previous operators made qualitative assumptions on a very general and or limited basis (e.g., "pipe-like" ore shoots or sketching small folds on drill sections with mineralized intercepts; cf. Black Lake area) there has not been a formal (ore-control) structural analysis at any scale. The most recent geological map (cf. Lewis et al. 2011) clearly does not sufficiently capture the geological setting (*sensu lato*) of the property or mineralizing systems.

Multi-element data from the Alcona Area suggest a strong positive relationship between Au-Ag-Te along with positive correlations between Au and several other potential pathfinder elements. Notably, however is there is now convincing data (e.g., Au:Ag ratio and Au:Ag grain size) supporting multiple mineralization events and thus exploration models. The deportment study provided key data for exploration vectoring including the identification of elemental associations, potentially distinct mineralizing events and the dominant mineral phase of electrum (Au-Ag-Te). Although from petrographic perspective the Au is coarse (up to 150 µ) the grain sizes observed would be quite small in hand sample (<0.2 mm).

Field mapping and sampling has identified several new targets and validated previously undrilled targets (e.g., New Millennium). Complex vein arrays and deformation patterns have been recognized but they have yet to be mapped in detail.

The 2022 field program has successfully identified several potential reconnaissance drill targets (e.g., Moretti, Alcona and New Millennium) but more importantly the information gleaned from the limited field program demonstrates the scale of the high-grade gold system(s) at play on the Drayton-Black Lake Property. A systematic program of continuing three-dimensional compilation, field mapping, prospecting and sampling with a focus on structural controls and mineral systems (e.g., vein style and geometallurgical parameters) is a priority.

RECOMMENDATIONS

The 2022 reconnaissance exploration program provided confirmation that there are large, high-grade gold-silver mineralizing systems located within the Drayton-Black Lake property.

While much of the property has yet to be systematically explored, several priority targets based on previous data and 2022 results warrant substantial but systematic follow up.

A key recommendation for work moving forward on this project is a priority focus on geological mapping, more specifically structural mapping at both the regional and detailed levels to i) understand the primary architecture of the Drayton-Black Lake gold system(s) and ii) develop ore control models (i.e. secondary or tertiary architecture) for drill targeting and future resource definition.

The internal structural fabric of the belt is virtually undefined (cf. 2022 magnetic data with Lewis, 2011) yet field observations from 2022 prospecting, mapping and channel sampling demonstrate unequivocally the substantive role of structure (*sensu lato*) in ore control.

Therefore, a multi-phase exploration program is recommended beginning with a detailed mapping campaigns (1-2 months) at Alcona and New Millennium to identify targets and controls for an immediate follow-up drill program:

i) Regional (*est. budget*)
   (1) LIDAR (*C$175,000*)
      (a) A preliminary review of DEM data indicates that there is sufficient surface expression (e.g., strike ridges) of bedrock features to warrant the development of a high-resolution DEM for the purposes of supporting a more detailed regional structural interpretation along with geological and geophysical data sets. Photogrammetry and or other imagery would al benefit exploration planning and execution.
   (2) Geophysical Modelling (*C$25,000*)
      (a) A three-dimensional inversion of new (2022) airborne magnetic data to evaluate the large-scale structural architecture of the belt with the goal of identifying extensional or dilation areas within the dominant NE-SW tending regional fabric.
   (3) Geological Data Compilation (*C$50,000*)
      (a) There remains a large amount of geological data to be digitized. In 2022, many data layers were scanned and geo-referenced but there remains a significant amount of detailed data to translated into fully functional GIS layers for interpretation and targeting. A focus on assay data and three dimensional structural and stratigraphic modelling will be important.
   (4) Geological Mapping (*C$250,000*)
      (a) There is no comprehensive geological (structural) map for the property. New airborne magnetic data show complex folding and offsets in magnetostratigraphy that belie the existing geological maps for the area (e.g., Lewis, 2010 and 2011 or Devaney, 2000). The lack of well-defined geological controls (structural controls) has significantly impeded historical exploration success in this belt.
ii) Targets (*est. budget*)
   (1) Geological Mapping (*C$250,000*)
      (a) There is no systematic deposit model or models for the known Au-Ag mineralization in the Property. Limited field observations (2022) and empirical data from previous drill reports imply structural controls such as folds and faults in addition to stratigraphic contacts are positively correlated to the occurrence of high-grade gold mineralization. There should be additional mapping at the 1:1,000 scale or better, including reviewing existing core, where possible, to develop a consistent lexicon of structure and stratigraphy.
      (b) A systematic catalogue of veins (both mineralized and non-mineralized) should be developed using structure, morphology, mineralogy and geochemistry as potential primary characteristics.
   (2) Drone Magnetic Surveys (*C$75,000*)
      (a) While the new airborne geophysical survey greatly enhances the regional data for the project area, more detailed surveys are required. In particular, much tighter line spacing (<25m) and various line orientations to capture local trend variations.

(3) Deportment and Petrography (*C$75,000*)
   (a) Process additional two samples from 2022 Deportment Study
   (b) Collected and analyse samples for 6-10 area prospects (e.g., Forster, Alkenore etc.)
   (c) Additional XRD work

(4) Geochemistry Till and Soil (*C$150,000*)
   (a) Alcona-New Millennium
      (i) A 200-400 m spaced grid of till or soil samples
      (ii) Multi-element suite
      (iii) Cover both target areas and the ground in between to assess potential relationships between Alcona, Pond, Trench Pond, and New Millennium.
   (b) Split Lake
      (i) A 200-400 m spaced grid of till or soil samples
      (ii) Multi-element suite (+/- gold grain)
      (iii) Begin near existing data (south and east of Black Lake) and extend survey coverage east to Split Lake area covering known prospects (e.g., Emerald and Drag).
   (c) Moretti
      (i) A 200-400 m spaced grid of till or soil samples
      (ii) Multi-element suite
      (iii) Cover Moretti Main area and extend northeast to property boundary and southwest 1-2 km; extend coverage east based on magnetic (DEM) structural interpretations (e.g., assess a broader cross-section of the interpreted Moretti Deformation Zone).

(5) Drilling (*C$3,000,000*)
   (a) Alcona (*5,000 m; C$1,500,000 all-in*)
      (i) The Alcona Deformation Zone (Alcona Main and Pond Targets) are a priority target for follow-up exploration. Whereas the main structural trend is well-defined the internal structure of this zone has never been fully developed in a 3D-model. A systematic (shallow) drilling campaign along the zone tested by channel sampling in 2022 is warranted. The primary focus is mapping and understanding the internal three-dimensional structural controls of the high-grade gold-silver mineralization.
   (b) New Millennium (*3,500 m; C$1,050,000 all-in*)
      (i) The NM area has not been well-mapped or sampled. Based on 2022 mapping and sampling there is a large, mineralized centre at NW, but the structural controls are not well known. As a follow-up to the recommended mapping a scout drill program (1,000 to 1,500 m) is recommended to test 3-5 prospects within this area target. A follow-up program (2,000-2,500 m) would be results based.
   (c) Moretti (*1,500 m; C$450,000 all-in*)
      (i) Much of the historical drilling at Moretti has bee focussed on a very narrow linear corridor presumed to the singular manifestation of the "Moretti Deformation Zone. Furthermore, drilling has typically one or two holes spaced along strike. Thus there has only been a very small section of structure/stratigraphy tested and the results confirm sporadic high-grade mineralization but without spatial resolution or systematic planning from which to glean small scale structural controls on the high-grade intercepts. A more extensive section of the Moretti Deformation Zone (*sensu lato*) should be tested with a systematic arrangement of drilling and detail structural logging.

(6) Borehole Logging (*C$250,000*)
   (a) Televiewer +/- Physical Property
      (i) To maintain detailed orientation control and support structural interpretations (including vein morphology etc.), borehole logging should be completed on all holes.

This C$3-4 million program is designed to focus on geological controls (1-2 months) and data collection and processing (1-2 months) to support a multi-phase drill program initially focussed on Alcona, New Millennium and Moretti while also assessing other prospects and identifying new targets property-wide.

Initial drilling should be scheduled for early Q3, assuming i) data compilation and other remoted sensing, analytical and desktop work commence in Q1 and ii) field work commence in early to mid-Q2. A second phase of drilling will follow-up in Q3/Q4 driven by Phase I results.

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CERTIFICATE OF QUALIFICATIONS

Brent Clark
941 Cobalt Crescent
Thunder Bay, Ontario
Canada, P7B 5Z4
Email: brent@clarkexploration.com

CERTIFICATE OF QUALIFIED PERSON

I, Brent Clark, P. Geo. (#3188), do hereby certify that:

1) I am a consulting geologist with an office at 941 Cobalt Crescent, Thunder Bay, Ontario.

2) I graduated with the degree of Honours Bachelor of Earth Science (Geology) from Carleton University, Ottawa, Ontario in 2014. I have worked on gold projects in Northwestern Ontario, and Australia. “Assessment Report” refers to the report titled ““Assessment Report on the 2022 Exploration Program, Drayton-Black Lake Project”, dated May 25, 2023.

3) I am a registered Professional Geoscientist with the Association of Professional Geoscientists of Ontario (#3188).

4) I have worked as a Geologist since my graduation from university.

5) I am the author of this report and responsible for all sections of the Assessment Report.

6) As of the date of this certificate, and to the best of my knowledge, information and belief, the Assessment Report contains all scientific and technical information that is required to be disclosed to make the Assessment Report not misleading.

Dated this 25th day of May 2023.

“Brent Clark”

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APPENDIX I

LIST OF CLAIMS – DRAYTON-BLACK LAKE PROPERTY

Tenure	Property Name	Holder	Registration	Anniversary	Tenure
125190	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-09-09	Active
183132	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-09-09	Active
208272	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-09-09	Active
218497	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-09-09	Active
223667	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-09-09	Active
266218	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-09-09	Active
266219	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-09-09	Active
293067	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-09-09	Active
296974	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-09-09	Active
297008	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-09-09	Active
322313	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-09-09	Active
322314	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-09-09	Active
100367	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-10-06	Active
100728	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-10-06	Active
100748	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-10-06	Active
107524	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-10-06	Active
114911	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-10-06	Active
126872	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-10-06	Active
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139195	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-10-06	Active
140187	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-10-06	Active
141694	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-10-06	Active
143365	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-10-06	Active
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187727	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-10-06	Active
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200422	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-10-06	Active
200423	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-10-06	Active

Tenure	Property Name	Holder	Registration	Anniversary	Tenure
207745	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-10-06	Active
209500	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-10-06	Active
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313363	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-10-11	Active
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Tenure	Property Name	Holder	Registration	Anniversary	Tenure
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330205	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-11-26	Active
342558	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-11-26	Active
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104882	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
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139992	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
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143251	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
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236525	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
241156	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
241157	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
241158	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
241424	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
241447	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
241448	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
248760	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
256590	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
256591	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
257704	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
257705	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active

Tenure	Property Name	Holder	Registration	Anniversary	Tenure
257982	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
257983	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
257984	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
267184	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
267185	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
276221	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
287846	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
287871	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
295096	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
295097	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
308104	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
323298	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
323756	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
324298	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
324299	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
330462	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
336229	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
336230	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
339343	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
339344	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2022-12-19	Active
100760	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
100761	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
103597	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
105072	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
114923	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
114924	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
122610	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
122611	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
122612	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
123960	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
123961	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
123962	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
126891	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
126892	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
126893	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
144076	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
151860	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
151861	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
151862	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
151863	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
156180	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
156181	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
156905	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
159678	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
159679	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
161099	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
161100	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
162210	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
168478	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
185232	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
187965	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
201488	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
201489	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
202730	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
209537	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
217280	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
217281	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
221623	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active

Tenure	Property Name	Holder	Registration	Anniversary	Tenure
222849	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
228888	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
228889	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
228890	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
229606	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
233053	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
233054	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
234466	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
245240	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
245241	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
246618	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
246619	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
246620	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
246621	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
253288	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
253289	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
254618	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
258790	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
260418	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
269757	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
271836	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
276803	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
282427	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
282428	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
288193	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
289118	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
290496	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
290497	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
290498	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
294931	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
312026	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
324745	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
324746	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
324747	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
329711	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
331040	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
342075	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
342076	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-01-31	Active
544168	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544169	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544170	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544171	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544172	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544173	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544174	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544175	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544176	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544177	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544178	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544179	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544180	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544181	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544182	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544183	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544184	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544185	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544186	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active

Tenure	Property Name	Holder	Registration	Anniversary	Tenure
544187	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544188	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544189	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544190	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544191	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544192	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544193	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544194	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544195	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544196	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544197	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544198	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544199	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544200	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544201	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544202	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544203	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544204	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544205	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544206	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544207	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544208	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544209	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544210	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544211	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544212	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544213	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544214	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544215	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544216	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544217	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544264	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544265	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544266	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544267	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544268	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544269	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544270	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544271	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544272	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544273	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544274	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544275	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544276	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544277	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544278	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544279	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544280	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544281	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544282	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544283	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544284	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544285	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544286	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544287	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544288	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544289	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544290	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active

Tenure	Property Name	Holder	Registration	Anniversary	Tenure
544291	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544292	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544293	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544294	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544295	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544296	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544297	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544298	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544299	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544300	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544301	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544302	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544303	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544304	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544305	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544306	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544307	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544345	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544346	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544347	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544348	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544349	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544350	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544351	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544352	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544353	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544354	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544355	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544356	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
544357	Drayton-Black Lake	(100) GROUP TEN METALS INC	2019-03-01	2023-03-01	Active
106906	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-06	Active
128699	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-06	Active
128700	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-06	Active
146092	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-06	Active
175279	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-06	Active
192695	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-06	Active
192696	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-06	Active
221940	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-06	Active
308783	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-06	Active
336304	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-06	Active
128276	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-11	Active
143475	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-11	Active
163596	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-11	Active
203379	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-11	Active
211466	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-11	Active
211467	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-11	Active
223513	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-11	Active
223514	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-11	Active
259456	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-11	Active
277482	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-11	Active
277483	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-11	Active
279017	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-03-11	Active
100727	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
102167	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
102169	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
102170	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
104904	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active

Tenure	Property Name	Holder	Registration	Anniversary	Tenure
113898	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
114879	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
114880	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
114940	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
114941	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
115383	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
115384	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
117018	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
117474	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
119103	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
126328	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
126925	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
127681	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
128541	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
133292	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
134638	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
134639	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
140020	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
140021	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
140022	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
143366	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
143367	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
149354	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
149965	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
151293	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
151297	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
151564	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
153503	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
155642	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
156213	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
157487	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
158434	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
162159	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
162160	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
162233	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
165043	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
168121	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
168708	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
168709	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
168821	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
168822	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
174537	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
183978	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
183979	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
191093	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
197378	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
197387	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
197388	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
197459	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
197460	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
197461	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
201448	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
201449	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
201450	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
202779	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
202780	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
206078	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
206079	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active

Tenure	Property Name	Holder	Registration	Anniversary	Tenure
206179	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
206845	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
209058	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
209502	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
209503	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
209504	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
210076	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
210871	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
210872	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
218196	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
218201	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
218965	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
220486	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
221580	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
221647	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
222927	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
223811	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
226243	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
226244	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
228475	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
228476	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
230199	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
234159	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
248761	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
257543	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
257619	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
263442	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
264760	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
271422	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
271487	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
272846	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
276112	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
276113	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
277386	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
277387	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
278921	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
278922	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
284212	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
285487	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
287761	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
287762	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
287779	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
287872	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
288152	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
288153	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
294956	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
295076	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
295093	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
295984	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
296227	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
298441	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
301318	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
301939	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
302042	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
303355	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
303356	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
311983	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active

Tenure	Property Name	Holder	Registration	Anniversary	Tenure
311984	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
313463	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
313464	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
318572	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
318669	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
319944	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
320719	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
320816	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
320817	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
324197	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
324198	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
324295	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
325519	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
327055	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
331386	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
333212	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
333308	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
333918	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
333919	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
336232	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
582994	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
582995	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
582996	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
583001	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
583002	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-04-21	Active
571649	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-05-23	Active
571650	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-05-23	Active
571652	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-05-23	Active
100141	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-05-23	Active
125606	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-05-23	Active
171440	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-05-23	Active
220311	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-05-23	Active
227603	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-05-23	Active
266824	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-05-23	Active
266825	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-05-23	Active
286904	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-05-23	Active
310723	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-05-23	Active
571646	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
101848	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
117108	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
117109	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
144759	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
144782	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
156859	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
156884	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
163655	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
202705	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
202706	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
203428	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
203447	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
210769	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
222302	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
223586	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
223587	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
230342	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
259457	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
259502	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
259526	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active

Tenure	Property Name	Holder	Registration	Anniversary	Tenure
278052	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
278053	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
279591	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
288854	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
288872	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
296874	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
296893	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
313358	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
314071	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
314072	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
314107	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
314108	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
314132	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
314133	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
325435	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
325436	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
325437	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
325438	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
326166	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
571648	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-26	Active
571651	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-26	Active
101409	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-26	Active
116726	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-26	Active
128277	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-26	Active
160184	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-26	Active
194946	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-26	Active
211465	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-26	Active
232904	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-26	Active
261563	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-26	Active
274759	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-26	Active
302696	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-26	Active
582958	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
582959	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
116632	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
116889	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
116890	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
116891	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
121701	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
123094	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
128233	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
151619	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
160836	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
160837	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
584741	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
181025	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
181027	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
195541	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
195542	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
205574	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
209478	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
216391	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
216392	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
216393	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
216394	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
216395	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
232281	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
232282	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active

Tenure	Property Name	Holder	Registration	Anniversary	Tenure
232283	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
258133	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
258134	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
260140	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
260948	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
260949	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
263608	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
263609	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
271568	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
276120	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
276121	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
281000	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
282283	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
283690	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
290307	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
291741	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
320963	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
324779	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
328094	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
328875	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
342617	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
582957	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
582990	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
582991	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
582992	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
582997	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
583000	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
583004	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
583005	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
583006	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
583007	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
583008	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
583009	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
583010	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
583011	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
583012	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
583013	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
583022	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
583014	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
583015	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
583016	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
583017	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
583018	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
583019	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-28	Active
101628	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-08-30	Active
196165	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-08-30	Active
233622	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-08-30	Active
289734	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-08-30	Active
329466	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-08-30	Active
582993	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-08-30	Active
582998	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-08-30	Active
582999	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-08-30	Active
583003	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-08-30	Active
583021	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-08-30	Active
571647	Drayton-Black Lake	(100) GROUP TEN METALS INC	2018-04-10	2023-06-01	Active
211404	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-03-29	Active
211920	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-03-29	Active
313971	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-03-29	Active

Tenure	Property Name	Holder	Registration	Anniversary	Tenure
326732	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-03-29	Active
331770	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-03-29	Active
331771	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-03-29	Active
108813	Drayton-Black Lake-ZARN	(25) ALEXANDER GLATZ, (75) PATRICK PAUL	2018-04-10	2025-11-13	Active
123000	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-13	Active
134264	Drayton-Black Lake-ZARN	(25) ALEXANDER GLATZ, (75) PATRICK PAUL	2018-04-10	2025-11-13	Active
186914	Drayton-Black Lake-ZARN	(25) ALEXANDER GLATZ, (75) PATRICK PAUL	2018-04-10	2025-11-13	Active
186915	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-13	Active
206396	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-13	Active
206397	Drayton-Black Lake-ZARN	(25) ALEXANDER GLATZ, (75) PATRICK PAUL	2018-04-10	2025-11-13	Active
253724	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-13	Active
290214	Drayton-Black Lake-ZARN	(25) ALEXANDER GLATZ, (75) PATRICK PAUL	2018-04-10	2025-11-13	Active
320216	Drayton-Black Lake-ZARN	(25) ALEXANDER GLATZ, (75) PATRICK PAUL	2018-04-10	2025-11-13	Active
150934	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-27	Active
200430	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-27	Active
236390	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-27	Active
139249	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-03-29	Active
223468	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-03-29	Active
223479	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-03-29	Active
277897	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-03-29	Active
277898	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-03-29	Active
326733	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-03-29	Active
150935	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-13	Active
199071	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-13	Active
199072	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-13	Active
319707	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-13	Active
319708	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-13	Active
341074	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-13	Active
110326	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-27	Active
123001	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-27	Active
124217	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-27	Active
179472	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-27	Active
186913	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-27	Active
207753	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-27	Active
207754	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-27	Active
245657	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-27	Active
273156	Drayton-Black Lake-ZARN	(100) PATRICK PAUL RIIVES	2018-04-10	2025-11-27	Active
717325	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717285	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717286	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717287	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717288	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717289	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717290	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717291	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717292	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717293	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717294	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717295	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717296	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717297	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717298	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717299	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717300	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717301	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717302	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717303	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active

Tenure	Property Name	Holder	Registration	Anniversary	Tenure
717304	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717305	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717306	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717307	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717308	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717309	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717310	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717311	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717312	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717313	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717314	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717315	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717316	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717317	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717318	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717319	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717320	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717321	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717322	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717323	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717324	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717326	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717327	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717328	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717329	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717330	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717331	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717332	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717333	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active
717334	Drayton-Black Lake-BOUNTY	(10005017) Heritage Mining Ltd.	2022-04-06	2024-04-06	Active

APPENDIX II

RECONNAISSANCE FIELD PROGRAM – SAMPLE DESCRIPTION

DATE	SAMPLE ID	UTM_E	UTM_N	GEO	TYPE	DESCRIPTION	Au-AA23_ppm	Au-GRA21_ppm	Ag_ppm	Cu_ppm
20-07-2022	D909001	595236	5547887	CJ	Outcrop	m.g. beige shear zone host w Py throughout, rusty Qtz vein with big (5cm) bleb of Py	0.023			122
22-07-2022	D909002	595304	5548289	CJ	Outcrop	m.g.-c.g. rusty Qtz vein w abundant Py + Cpy? Sph? + Ga? + Bornite?	>10.0	32.6		1970
24-07-2022	D909003	595191.5	5548255	CJ	Outcrop	1m wide burn zone comprised of a medium grained light green-grey metavolcanic with banded Py and Cpy	0.033			90
04-08-2022	D909004	599383	5556266	CJ	Outcrop	m.g.-c.g. grey mafic metavolcanic host w/ disseminated Py. ~50 Qtz.	0.186			31
23-07-2022	D909005	598454	5553422	CJ	Outcrop	f.g. dark grey-brown metavolcanic heavily altered (goethite?) w pyrrhotite	0.02			568
28-07-2022	D909006	597962	5553901	CJ	Outcrop	f.g.-m.g. volcanic carb unit w oxidized sulphides, phyllite sheen and foliation	<0.005			152
29-07-2022	D909007	599476	5556357	CJ	Outcrop	m.g. - c.g. oxidized host w abundant py and beige Qtz vein	4.2			112
04-08-2022	D909008	596804	5548108	CJ	Outcrop	grey, shiny metavolcanic w Py, lots of Qtz. North of Alcona mine.	>10.0	12.45		29
04-08-2022	D909009	596809	5548118	CJ	Outcrop	north of Alcona site #25 (No. 1 vein) pond zone 340* NW veins, CJ-EB.	>10.0	24.6		3200
04-08-2022	D909010	599383	5556266	CJ	Subcrop	m.g.-c.g. grey mafic metavolcanic host w/ disseminated Py. "Double Trench"	0.141			368
04-08-2022	D909011	593412	5551937	CJ	Outcrop	c.g. pinkish-brown intermediate metavolcanic w/ minor Py. 'shear zone' at T.	0.126			24
04-08-2022	D909012	599021	5554944	CJ	Outcrop	f.g. grey metavolcanic host w/ Qtz vein. -cobalt bloom (erythrite) - fuchsite?	0.019		0.23	
04-08-2022	D909013	597309	5547677	CJ	Outcrop	f.g. grey mafic metavolcanic hosted Qtz vein w/ Cpy and Gal	>10.0	58.1		2510
18-08-2022	D909014	591934.5	5545446	AM	Outcrop	Fine grained light grey green metavolcanic with disseminated unidentified sulphides with moderate oxidation Qtz carb veinlets... Shear zone... CJ Sample	<0.005			85
22-08-2022	D909015	598406	5546453	CJ	Outcrop	Fine-coarse grained white-dark grey Qtz veining (~2cm thick) runs parallel somewhat sheared strongly cl-altered & foliated metavolcanic. ~5% blebby py. Lake Edge	0.005			159
23-08-2022	D909016	596428	5546501	CJ	Subcrop	Coarse-grained, white-orange, oxidized Qtz vein with ~10% cubic py, and fine-grained metabasaltic host rock with ~10 cubic weather-ed out py. Subcrop from frost heave	<0.005			9
29-08-2022	D909017	599966	5553281	CJ	Outcrop	Coarse grained grey intermediate gossanous metavolcanic with patchy Py and blebby Cpy	0.027		0.65	
01-09-2022	D909018	598856	5555893			Finely disseminated Py	0.005		0.16	
	D909019						0.002			
03-09-2022	D909020	599961.2	5553257	HR	Outcrop	Massive sulfide gossan with Qtz veining throughout. See photos. New discovery - AJ, Claude, Dan, and Eddy.	0.012			
03-09-2022	D909021	599961.8	5553254	HR	Outcrop	Massive sulfide gossan with Qtz veining throughout. See photos.	0.002			
03-09-2022	D909022	599962.7	5553257	HR	Outcrop	Massive sulfide gossan with Qtz veining throughout. See photos.	0.036			
03-09-2022	D909023	599961.7	5553256	HR	Outcrop	Massive sulfide gossan with Qtz veining throughout. See photos.	0.024			
01-10-2022	D909024	596896.8	5548042	DC	Outcrop	Qtz carb and chl vein w 1% disseminated py	0.083			
01-10-2022	D909025	596892	5548045	DC	Outcrop	laminated shear Qtz carb vein w 10-15% disseminated f.g. py in beige ankerite. grey to white Qtz, and minor chi	1.685			
01-10-2022	D909026	596926.4	5548020	DC	Outcrop	white-red hematite stained Qtz vein, sucrosic. ~0.20m wide, trace py	0.142			
01-10-2022	D909027	596928.7	5548021	DC	Outcrop	f.g. dark green mafic metavolcanic w white Qtz fracture fill veins, mineralization dominant in host	0.074			
01-10-2022	D909028	596932.8	5548001	DC	Outcrop	composite sample of mafic sheared host and Qtz vein cutting through shear, 5-10% patchy py in Qtz, minor py in f.g. dark green mafic host. host highly magnetic	0.237			
20-07-2022	D909051	596808.6	5548110	AM	Outcrop	20m long orange/white Qtz vein with patchy Py and banded Aspy along with small malachite alteration patches	6.09			6830
21-07-2022	D909052	596799.9	5548123	AM	Outcrop	25m wide outcrop composed of a light grey intrusive rock (Qte?) that has been strongly oxidized and contains banded Py and a silver/black unidentified sulphide	1.345			76
21-07-2022	D909053	596601.8	5547634	AM	Outcrop	Mint green mafic intrusive rock	0.068			72
21-07-2022	D909054	595190.9	5547828	AM	Outcrop	Grey green basalt with disseminated Py	0.015			47
23-07-2022	D909055	595244.3	5547894	AM	Outcrop	1.5m shear zone, striking at 200, consisting of a white/orange/red granite? With disseminated Py and strong oxidation	0.01			25
23-07-2022	D909056	595216.1	5547834	GB	Outcrop	25cm white Qtz vein with patchy Py mineralization with weak oxidation	0.022			4
23-07-2022	D909057	595242.5	5547882	AM	Outcrop	3m wide side trench composed of a fine grained grey green basalt with disseminated Py	0.007			118
24-07-2022	D909058	595284.7	5548261	AM	Outcrop	40cm wide Qtz vein with patchy Cpy and Gal with moderate oxidated on some surfaces	>10.0	46.5		3740
24-07-2022	D909059	595301.9	5548277	AM	Outcrop	2m wide trench with a intermediate green grey metavolcanic host that contains Qtz carbonate stringers	3.75			141
24-07-2022	D909060	595301.8	5548243	AM	Outcrop	20m wide outcrop of a light green-grey metavolcanic with minor amounts of disseminated Py	0.013			61
24-07-2022	D909061	595480.1	5548065	AM	Outcrop	1m wide grey green medium grained metavolcanic with minor amounts of disseminated Py and moderate patchy chlorite alteration with a small Qtz lens	0.021			78
24-07-2022	D909062	595167.7	5548254	AM	Subcrop	1m wide Qtz vein within a green-grey metavolcanic with both units having blebby Cpy and Gal	2.29			50
25-07-2022	D909063	596605.8	5547984	AM	Outcrop	10m outcrop of medium grained grey green metavolcanics with very minor sulphides and minor oxidation	0.012			80
25-07-2022	D909064	596607.1	5548319	AM	Outcrop	1m wide outcrop composed of a green-grey metavolcanic with a 15cm wide Qtz vein	0.007			53
25-07-2022	D909065	596158.1	5548368	AM	Outcrop	20m outcrop composed of a medium grained light grey green metavolcanic with minor disseminated Py	0.026			144
25-07-2022	D909066	596295.1	5548445	AM	Outcrop	3m wide outcrop of a fine grained light grey green metavolcanic with a red oxidation rim near surface	<0.005			53
27-07-2022	D909067	598944	5553495	AM	Outcrop	2m wide outcrop composed of a fine grained grey green intermediate metavolcanic that contains minor disseminated Py and patchy oxidized sulphides	0.018			220
27-07-2022	D909068	598971.7	5553063	AM	Outcrop	6m wide outcrop composed of a granite with no sulphides or alteration	<0.005			16
27-07-2022	D909069	598865.4	5553359	AM	Outcrop	15m outcrop of fine grained grey green metavolcanics that have patchy oxidized sulphides and blebby undetermined silver sulphide along with moderate patchy jarosite and chlorite alteration	0.009			118
27-07-2022	D909070	598698	5553405	AM	Outcrop	30cm wide Qtz vein with minor chlorite alteration	0.776			4
27-07-2022	D909071	598703.7	5553243	AM	Outcrop	5m outcrop of fine grained dark grey green metavolcanic with patchy silver unidentified sulphide. With jarosite alteration	0.012			36
28-07-2022	D909072	601323.9	5555856	AM		1m wide heavily oxidized zone comprised of a fine grained grey green metavolcanic and a 10cm wide Qtz vein that has patchy Py and blebby Cpy along with moderate jarosite and limonite alteration	0.025			125
28-07-2022	D909073	601327.3	5555850	AM	Outcrop	30cm fracture zone comprised of a fine grained grey green intermediate metavolcanic with disseminated Py and Aspy along with jarosite and hematite alteration	<0.005			203
28-07-2022	D909074	601320.6	5555854	AM	Outcrop	1.5m heavily fractured and baked phyllite Qtz vein,10cm beds of intermediate metavolcanics, with disseminated Py and jarosite alteration	0.009			185
29-07-2022	D909075	599467.1	5554240	AM	Outcrop	10m wide outcrop of intermediate metavolcanics with Qtz vein stockwork that contains oxidized sulphides and minor disseminated Py	0.005			67
29-07-2022	D909076	599467.4	5554237	AM	Outcrop	10m wide intermediate metavolcanic outcrop with stockwork of Qtz veins with oxidized sulphides and minor disseminated Py	<0.005			31
29-07-2022	D909077	599652	5554216	AM	Outcrop	5m wide outcrop of medium grained white/orange felsic metavolcanic with phyllite texture and banded oxidized sulphides	<0.005			4
29-07-2022	D909078	600014.5	5554383	AM	Outcrop	1m wide orange/white Qtz bleb with oxidized sulphides within a grey green intermediate metavolcanic host	0.949			39
29-07-2022	D909079	600027.8	5554390	AM	Outcrop	55m long outcrop composed of medium grained light grey intermediate metavolcanics with pervasive oxidized sulphides	0.01			171
29-07-2022	D909080	599828.7	5554600	AM	Outcrop	20m outcrop with a 1m long highly oxidized and altered patch of light grey fine grained metavolcanic with patchy Py and oxidized sulphides	0.156			113
29-07-2022	D909081	599816.9	5554590	AM	Outcrop	30cm wide section of 20m wide outcrop composed of fine grained light grey green metavolcanics with Py, Cpy, Aspy, and it has Qtz stockwork throughout	0.137			105
29-07-2022	D909082	599467.9	5554782	AM	Float	10m wide outcrop of intermediate metavolcanic with Qtz float that has Cpy, Py, and oxidized sulphides	0.027			193
29-07-2022	D909083	599451.3	5554762	AM	Outcrop	15m wide outcrop of fine grained grey green intermediate metavolcanic with disseminated Py, Cpy, and oxidized sulphides, with Qtz stockwork being heavily present	<0.005			57
30-07-2022	D909084	598855.5	5553926	AM	Outcrop	1m wide outcrop of deformation zone comprised of a fine grained grey green metavolcanic with patchy fine Py and minor Cpy	0.224			354
30-07-2022	D909085	598663.9	5553936	AM	Outcrop	10m wide outcrop of deformation zone composed of fine grained schist light grey green metavolcanics with intense oxidation that contains oxidized sulphides	<0.005			176
30-07-2022	D909086	598661.6	5553995	AM	Outcrop	10m wide deformation zone outcrop composed of a light green-grey metavolcanic that has banded Py, disseminated Cpy and malachite	0.044			3690
30-07-2022	D909087	599295.4	5554398	AM	Outcrop	5m wide outcrop of grey intermediate metavolcanic with a 30cm wide strongly oxidized shear zone that contains lots of disseminated Py and some oxidized sulphides	0.032			66
30-07-2022	D909088	598534.1	5553524	AM	Subcrop	3m wide piece of sub crop composed of a fine grained green metavolcanic with patchy Py	0.006			57
31-07-2022	D909089	599509	5556303	AM	Outcrop	1m wide outcrop of fine grained green metavolcanics with disseminated Py and sericite alteration	0.013			9
31-07-2022	D909090	599488	5556294	HR	Outcrop	Light greenish-yellow, fine-grained heavily sericitized/chloritized ridge outcropping along foliation strike with D909089. Disseminated Py, friable at surface, dipping near vertical towards the NE.	0.006			169
31-07-2022	D909091	599491	5556384	AM	Outcrop	4m wide outcrop of medium grained green metavolcanic and Qtz vein with disseminated Py	0.02			132
31-07-2022	D909092	599494	5556378	AM	Outcrop	Coarse grained green metavolcanic	<0.005			<2
31-07-2022	D909093	600489	5557157	HR	Subcrop	Blasted trench pile with sericitized shear zone and grey Qtz veins. This sample is dark Qtz, minor orange fee-ox weathering, with malachite, bornite, and azurite on the fracture surfaces.	>10.0	112		4380

31-07-2022	D909094	600492	5557159	AM	Subcrop	Light grey Qtz vein with banded Py	7.18			324
31-07-2022	D909095	601672.7	5557336	AM	Outcrop	3m wide outcrop of coarse grained monzodiorite, with small ultramafic patches, that contain minor Py and oxidized sulphides	0.014			8
01-08-2022	D909096	601586.5	5557105	AM	Outcrop	5m road trench outcrop of medium grained green-grey mafic metavolcanics with patchy Py, disseminated Cpy, minor bornite and Po	0.039			331
01-08-2022	D909097	601077.5	5557110	AM	Outcrop	1m broken outcrop composed of medium grained green-grey metavolcanics with disseminated Py and Cpy with a small 5cm malachite rim	0.049			592
02-08-2022	D909098	597458.1	5551738	AM	Outcrop	5m wide outcrop of fine grained light grey green metavolcanics with disseminated oxidized sulphides and patchy jarosite alteration along with max 5cm wide Qtz veinlets	0.008			87
02-08-2022	D909099	596995.4	5551711	AM	Outcrop	8m wide outcrop of fine grained grey green metavolcanic with patchy Py and patchy sericite alteration	0.007			97
02-08-2022	D909100	597043.8	5551904	AM	Outcrop	10m outcrop of fine grained green-grey metavolcanics and Qtz veins with oxidized sulphides and jarosite alteration	<0.005			65
20-07-2022	D909101	597459.5	5547572	AM	Outcrop	25m long outcrop composed of Fine grained grey metavolcanics with a 20cm Qtz running at 020 strike	0.006			112
20-07-2022	D909102	597459.5	5547572	AM	Outcrop	20cm wide Qtz vein with patchy Py and an unidentified silver/black sulphide	>10.0	33.5		318
20-07-2022	D909103	597347.1	5547817	HR	Outcrop	1m wide massive Qtz vein with strong hematite staining with weathered out Minerals	0.057			31
20-07-2022	D909104	597337.9	5547811	DC	Outcrop	5cm to 15cm wide Qtz veins in metavolcanics with disseminated Py and complete oxidation replacement of sulphides in spots	0.128			30
20-07-2022	D909105	597246.2	5547858	HR	Outcrop	20cm Qtz vein with banded Py	2.3			4460
20-07-2022	D909106	597438.9	5547740	HR	Outcrop	Pillow basalts with unidentified veinlets (possible Qtz carb?) trending in an EW orientation	<0.005			89
20-07-2022	D909107	597441.5	5547705	HR	Boulder	Phyletic boulder presenting strong cleavage and extensional(?) fractures perpendicular to cleavage with oxidized Py, Bt, and Qtz. Large Qtz vein with FeOx, possible mal staining.	0.037			95
20-07-2022	D909108	597444.4	5547716	HR	Outcrop	7+m long steeply dipping Qtz vein hosted in pillow basalt. Surrounding basalt texture suggests possible shear movement.	0.007			46
20-07-2022	D909109	597451.6	5547640	HR	Outcrop	Large Qtz vein approx. 20 cm, running parallel to large trench in pillow basalt outcrop, minor patchy Fe oxidation.	<0.005			14
20-07-2022	D909110	597451.9	5547640	HR	Outcrop	Somewhat strained pillow basalts with ~2cm carb halos, a few large Qtz veins (~10cm) presenting as nodule shapes. Pillow tops strike ~232Â°.	<0.005			98
21-07-2022	D909111	595223.3	5547873	DC	Outcrop	f.g. orange-brown friable breccia with Qtz throughout. possible shear zone. No magnetic. very minor carbonates.	0.052			39
22-07-2022	D909112	595203.1	5547795	DC	Outcrop	m.g. grey foliated greenstone with the odd band of Py following foliation and some Qtz veining with chlorite alteration independent of foliation.	0.012			31
22-07-2022	D909113	595198.7	5547797	DC	Outcrop	orange stained massive Qtz with some m.g. Py and coarser grained red oxidized Py cubes.	0.014			4
22-07-2022	D909114	595217.5	5547812	DC	Outcrop	massive Qtz vein/patch. heavily oxidized with equally orange and red staining. Py patches throughout.	6.65			2
23-07-2022	D909115	595007.5	5547532	DC	Outcrop	15m outcrop of a medium grained grey green basalt with a small 0.5cm Qtz stringers	<0.005			8
24-07-2022	D909116	595535.1	5548128	HR	Outcrop	Fine to medium- grained metavolcanic host rock with patchy Qtz veining, tr py, brown- purple Fe-ox weathering rim.	<0.005			61
23-07-2022	D909117	595480	5548040	DC	Outcrop	Fine to medium- grained metavolcanic host rock with patchy Qtz veining, some py following foliation near weathered surface, brown- purple Fe-ox weathering rim.	0.011			89
23-07-2022	D909118	595391	5548282	DC	Outcrop	Fine to medium- grained metavolcanic host rock with patchy Qtz veining, some py following foliation near weathered surface, brown- purple Fe-ox weathering rim.	0.033			40
23-07-2022	D909119	595987	5547779	DC	Outcrop	Fine - grained dark grey metavolcanic host rock with disseminated white and yellow py	1.97			83
24-07-2022	D909120	595983.4	5547774	HR	Outcrop	Shear zone with large (~20cm) Qtz vein. Host rock is mafic metavolcanics with significant Py.	0.847			43
22-07-2022	D909121	595546	5548388	DC	Outcrop	m.g. dark green basalt with limonite alteration, foliated	<0.005			38
25-07-2022	D909122	595865	5547853	DC	Float	m.g. gabbro hosted Qtz vein w Bi, Py. Heavily weathered - very rusty near surface.	0.257			33
25-07-2022	D909123	595349	5548332	DC	Outcrop	m.g. green amygdaloidal basalt infilled w/ epidote host, v.f.g... Py. Jarosite alteration near weathered surface and phyletic sheen	0.008			277
25-07-2022	D909124	595349	5548332	DC	Outcrop	Qtz vein w/ Gal throughout. Elongated chunk - likely from vein.	4.21			4
25-07-2022	D909125	595383	5548343	DC	Outcrop	Qtz vein w/ minor Py and tourmaline. Py dominantly in the tourmaline.	<0.005			28
25-07-2022	D909126	595691	5548076	DC	Outcrop	f.g.-m.g. basalt, minor sulphides w/ rusty halos. ~25% Qtz.	<0.005			122
27-07-2022	D909127	598826	5553793	DC	Subcrop	m.g. grey intermediate metavolcanic hosted rusty Qtz vein w/ minor Py.	0.006			332
27-07-2022	D909128	598851	5553794	DC	Outcrop	m.g. grey intermediate metavolcanic w/ Qtz bands and Py bands. Rusty near weathered surface.	0.039			196
27-07-2022	D909129	599418	5554290	DC	Outcrop	m.g. grey metavolcanic. Possibly serpentinite. Minor Py.	0.117			96
27-07-2022	D909130	599411	5554313	DC	Float	m.g. metavolcanic w/ Py. Chlorite, Cerussite, and Hematite alteration. High % of Qtz. Localized boulder.	<0.005			61
27-07-2022	D909131	599956	5554475	DC	Outcrop	serpentinite intermediate metavolcanic w/ ~.2% Py in bands and Qtz vein w/ cerussite alteration.	<0.005			122
27-07-2022	D909132	599911	5554430	DC	Outcrop	m.g. grey intermediate metavolcanic w/ peppered Py and ~10% Qtz.	0.009			117
27-07-2022	D909133	600472.6	5547691	DC	Subcrop	c.g. light grey felsic w dark greyish green elongated mineral dotted throughout. oxidation alteration light pinkish brown 5 cm from weathered surface and micaceous at weathered surface with rust. a few large 5cm Py grains at weathered surface	<0.005			18
27-07-2022	D909134	600472.6	5547691	DC	Outcrop	weathered m.g. light brown very micaceous surrounded by pillow basalt w small Py grains and highly rusted surface	<0.005			97
27-07-2022	D909135	600472.6	5547691	DC	Outcrop	f.g. grey basalt host w brownish Qtz vein	<0.005			9
27-07-2022	D909136	600322.4	5548557	DC	Float	f.g. grey basalt host w minor Py on the edges of brownish Qtz vein	0.03			786
28-07-2022	D909137	601426.7	5548366	DC	Outcrop	m.g. reddish grey host with what appears to be a tourmaline dominant Qtz vein following cleavage and with minor Py, about 20percent Qtz.	<0.005			12
28-07-2022	D909138	600507.8	5548352	DC	Outcrop	m.g. dark grey metavolcanic host w pale Py specs. thin shear zone highly oxidized brown-red-orange-purple, oxidized sulphides and assumed limonite alteration	0.227			167
29-07-2022	D909139	599834.3	5547667	DC	Outcrop	f.g. schist vesicular/amygdaloidal pale green basalt host w 1m+ brown stained Qtz vein. minor oxidized sulphides in host.	0.007			21
29-07-2022	D909140	599833.5	5547668	DC	Float	m.g. - c.g. dark bluish grey host w possible pyrrhotite (magnetic), possible epidote +/- chlorite alteration, limonite alteration - purple, brown, orange, green	0.03			119
30-07-2022	D909141	599445	5556366	DC	Outcrop	f.g.-m.g. mafic metavolcanic host oxidized w disseminated py, rusty white-orange-red Qtz veins	0.032			72
30-07-2022	D909142	599428	5556444	DC	Outcrop	c.g. light grey-green schist metavolcanic w chlorite alteration and strong oxidation	<0.005			31
30-07-2022	D909143	599478	5556410	DC	Outcrop	c.g. yellowish Qtz vein w lots of orange oxidation	<0.005			32
31-07-2022	D909144	601949	5557390			c.g. light brownish grey granitic? with abundant oxidized sulphides and patches of py; DESCRIPTION ERROR. Sample location correct, all other data suspect.	<0.005			<2
31-07-2022	D909145	601771.8	5557722	GB	Float	c.g. light brownish grey granitic? with abundant oxidized sulphides and patches of py	0.014			3
31-07-2022	D909146	601949	5557390	DC	Subcrop	c.g. light brownish grey granitic with abundant oxidized sulphides	<0.005			7
31-07-2022	D909147	601238	5556935	GB	Subcrop	m.g. grey gabbroic with minor oxidized sulphides and minor py	<0.005			142
02-08-2022	D909148	596928.7	5548360	DC	Outcrop	Extensional fracture infill vein, with "tiger striping" of epidote and chlorite? oriented near perpendicular to the fracture vein. Fine to med-grain. Host rock is medium grained massive diorite.	<0.005			48
01-08-2022	D909149	597285.5	5549232	DC	Outcrop	f.g. grey foliated basalt w pink Qtz vein, foliation 154/62, weathered light brown on surface	<0.005			23
03-08-2022	D909150	601962.9	5556204	DC	Outcrop	2m wide Outcrop of medium grained grey green magnetic metavolcanics with patchy Py and some magnetite	0.136			726
22-08-2022	D909151	595674.9	5545835	HR	Outcrop	Coarse to fine grained, grey to white Qtz veining from strongly sheared pillow basalt unit. Patchy brown-orange staining. Composite sample from several interesting veins.	<0.005			21
22-08-2022	D909152	595817.9	5545792	HR	Outcrop	Dark green fine grained foliated metavolcanics. Transition or shear zone, containing significant pyrrhotite, minor Qtz veining, and some associated cl. Structure is foliation, not cleavage	<0.005			384
26-08-2022	D909153	601567.4	5555812	HR	Subcrop	Green-grey fine-med grained mafic metavolcanic with oxidized cubic py on one surface, showing felsic brecciated 1cm veins or xenoliths.	0.059		0.13	
26-08-2022	D909154	601799.8	5555784	HR	Outcrop	Fine- medium grained dark green to rust orange gossanous mafic metavolcanics with significant cubic disseminated Py.	2.01		0.85	
26-08-2022	D909155	601973.6	5555589	HR	Outcrop	~0.2-2m lenses of f-m.g. massive sulfides; heavily oxidized to orange, brown. Host rock is dark green f.g. mafic metavolcanics. See outcrop description for more information.	0.098		1.2	
01-09-2022	D909156	598286	5555268	HR	Outcrop	Dark green fine- medium grained mafic metavolcanics from strong shear/fault zone, with folded ~1cm Qtz veins and fine, disseminated Py associated with the Qtz vein envelopes. Pulled from creek at road crossing.	<0.005		0.04	
01-09-2022	D909157	599409.1	5556169	HR	Outcrop	Medium to fine-grained mafic metavolcanics with patchy sulfide oxidation related to Qtz veining. Qtz veining exhibits very complex deformation, making structures difficult to measure with any reliability.	0.137		0.18	
03-09-2022	D909158	598115.1	5554187	HR	Outcrop	Dark grey/green intermediate rock with about 40% Qtz as coarse subhedral crystals in a fine-grained mafic matrix with ~5% disseminated Py exhibiting some shear (difficult to measure).	0.709		0.23	
03-09-2022	D909163	598840.1	5554812	HR	Outcrop	Light grey-orange, fine-med grained intermediate(?) metavolcanic; highly sheared, phyletic texture. Sample data did not load correctly - no photos. See related outcrop point.	<0.005		0.01	
02-10-2022	D909164	596044.4	5548838	DC	Outcrop	f.g.-m.g. mafic metavolcanic w pervasive ankerite and silica alteration (grey/beige), trace disseminated py. weakly magnetic. weak shear foliation	0.041			
02-10-2022	D909165	596030.5	5548836	DC	Outcrop	4x2m historic trench, composite grab of rubble. Fine grained grey green metavolcanic mafic w /3-5cm parallel crystalline Qtz veins running through. 5cm rind of ankerite towards fresh surface with fracture filling quart vein. 5% f.g. diss py, strong mag	0.027			

22-10-2022	D909167	595329	5548039	DC	Outcrop	perpendicular to 0m of channel. f.g. disseminated euhedral py. Looks like more of a silica altered vein array than a singular vein.	0.369			
22-10-2022	D909168	595323	5548054	DC	Outcrop	perpendicular to 2m along channel. Trace f.g. euhedral py.	0.006			
22-10-2022	D909169	595325	5548050	DC	Outcrop	perpendicular to 4m along channel. Intermingled vein and host - highly sheared.	0.491			
22-10-2022	D909170	595323	5548055	DC	Outcrop	perpendicular to 5m along channel. Host rock inclusions. Dip approx.	1.295			
22-10-2022	D909171	595319	5548049	DC	Outcrop	perpendicular to 6.5m along channel. Narrow Qtz vein set. Silvery py dominantly in veins and minorly in host	0.239			
22-10-2022	D909172	595323	5548055	DC	Outcrop	many chlorite/host inclusions, sort of laminated. Silvery py dominantly in those inclusions, minorly in Qtz itself. Dip approx.	0.378			
22-10-2022	D909173	595337	5548011	DC	Outcrop	rusty orange Qtz vein w chlorite/host inclusions. Pyrrhotite in Qtz itself. Hosted in shear. Width varies - pinch and swell.	>10.0	18.9		
	D909174						0.02			
23-10-2022	D909175	595377.7	5547982	DC	Float	Float sample. Diss Py + trace blebby Cpy present within alteration in vein.		2330		
24-10-2022	D909201	595390	5548336	DC	Outcrop	Qtz vein with blebby sulfides.	<0.005			36
04-08-2022	D909202	598601.6	5552854	AM	Subcrop	1m area of sub crop composed of fine grained green-grey metavolcanics with chlorite alteration and 1cm Qtz veins	<0.005			85
04-08-2022	D909203	598123.5	5552827	AM	Float	1m wide localized float comprised of medium grained light grey metavolcanic with patchy oxidized sulphides and Py with hematite alteration and Qtz stockwork veining	<0.005			155
20-08-2022	D909204	594746.8	5543490	AM	Outcrop	White pale green Qtz vein with minor Gal and oxidized sulphides with moderate to strong epidote alteration intruding a grey green intermediate metavolcanic	<0.005			60
20-08-2022	D909205	595038.7	5543966	AM	Subcrop	White, orange Qtz vein with 3cm wide Py cubes Grabbed from trench on side of road likely from hill side	0.424			11
20-08-2022	D909206	595065.7	5543981	AM	Outcrop	White, orange massive Qtz vein with Cpy and minor malachite associated with the Cpy	0.233			960
20-08-2022	D909207	595049.5	5543984	AM	Outcrop	White, orange massive Qtz vein with Py	0.037			5
20-08-2022	D909208	595082.1	5543983	HR	Subcrop	Blast rock from old Alkenore trench showing. Patchy qtz-carb veining with large cubic py crystals hosted in mafic metavolcanics.	3.43			1220
20-08-2022	D909209	595220.7	5544184	HR	Subcrop	Large Qtz vein, approx. 1m wide, with very large (up to 1cm), cubic Py crystals with orange oxidation halos. Cpy/py stringers in fracture infill. Previously trenched. Samples are from trenching float. Old trench.	0.008			1580
22-08-2022	D909210	595826.4	5545837	AM	Outcrop	Coarse grained white, orange heavily oxidized Qtz vein with minor Py and oxidized sulphides	<0.005			33
21-08-2022	D909211	594679.7	5544358	DC	Subcrop	c.g. grey intermediate metavolcanic, very siliceous w lots of disseminated Py from an old trench	0.367			622
21-08-2022	D909212	594489.4	5544478	AM	Outcrop	Coarse grained grey metavolcanic with minor disseminated unidentified sulphides with hematite alteration with a Qtz vein that has minor oxidation	<0.005			47
21-08-2022	D909213	594649.8	5543365	DC	Outcrop	m.g. grey mafic metavolcanic host w Qtz vein w py, minor Cpy, v minor malachite. epidote running through centre of Qtz vein, K-spar patches in Qtz vein	0.013			1180
22-08-2022	D909214	595816.3	5545779	AM	Outcrop	Grey medium grained metavolcanic with patchy Po + Cpy with limonite alteration with an oxidized Qtz vein containing Po and Cpy	<0.005			199
22-08-2022	D909215	595800.6	5545730	AM	Outcrop	Grey medium grained metavolcanic with patchy Cpy and Po that has limonite alteration with a heavily oxidized Qtz vein with some Cpy Vein orientation is questionable... There's a dark black soft sparkly inclusion present	<0.005			41
22-08-2022	D909216	597987.4	5546594	AM	Outcrop	White, orange Qtz vein near a trench with patchy/stringers of Py and patchy oxidized sulphides Taken from just outside the trench.... Hints of Cpy present	5.29			137
23-08-2022	D909217	596429.2	5547262	AM	Outcrop	Medium grained light grey green metavolcanic with disseminated Py and epidote alteration on outer surface	<0.005			72
23-08-2022	D909218	593084.3	5544954	AM	Outcrop	Fine grained green-grey metavolcanic with disseminated Py and chlorite + epidote alteration. Qtz carbonate stringers with Py	<0.005			82
24-08-2022	D909219	603426.3	5557183	AM	Outcrop	Coarse grained green tholeiite with disseminated Py and pervasive chlorite alteration with Qtz veins	<0.005			21
24-08-2022	D909220	603459	5557143	AM	Outcrop	Medium grained green phyllite metavolcanic with disseminated Py and chlorite alteration	0.057			290
24-08-2022	D909221	603337.2	5557030	AM	Outcrop	Medium grained light grey heavily oxidized phyllite metavolcanic with patchy Cpy and Qtz carb veins	0.087			338
30-08-2022	D909222	599971.2	5553257	AM	Outcrop	Medium grained light grey intermediate metavolcanic with blebby pyrrhotite and Py along with epidote alteration	0.005		0.13	
30-08-2022	D909223	599961.8	5553267	AM	Subcrop	Medium grained grey intermediate metavolcanic with patchy pyrrhotite and disseminated Py + Cpy with moderate oxidation Sulphides absolutely everywhere	0.017		0.44	
30-08-2022	D909224	600169.6	5552740	AM	Subcrop	Coarse grained light grey massive sulphide boulder with Py and Cpy	0.014		0.93	
30-08-2022	D909225	600275.8	5552577	AM	Outcrop	Coarse grained grey intermediate metavolcanic with patchy Py and disseminated Cpy	0.012		0.5	
30-08-2022	D909226	600432.2	5552424	AM	Outcrop	Medium grained light grey/brown intermediate metavolcanic with veinlets of Cpy and pyrrhotite	0.009		0.37	
01-09-2022	D909227	598004.7	5555038	AM	Outcrop	Medium grained green-grey intermediate metavolcanic with patchy Py and pyrrhotite	<0.005		0.09	
01-09-2022	D909228	599285.7	5555619	AM	Outcrop	Fine grained grey green intermediate metavolcanic with disseminated Py and epidote alteration	<0.005		0.03	
01-09-2022	D909229	599319.1	5555651	AM	Outcrop	Fine grained green-grey intermediate metavolcanic with disseminated Py Looks like a piece of outcrop that got knocked off bedrock when the tree cutting occurred	<0.005		0.03	
03-09-2022	D909230	598920.1	5554987	AM	Outcrop	Medium grained green-grey metavolcanic with Qtz carbonate veins that host oxidized sulphides1 small piece of outcrop and a few boulders laying around	<0.005		0.05	
03-09-2022	D909231	598843.9	5554815	AM	Outcrop	Medium grained light grey metavolcanic with Qtz carbonate veins, disseminated Py, and a green mineral green mineral could be fuchsite?	<0.005		0.04	
03-09-2022	D909232	598148.4	5554233	AM	Outcrop	Medium grained green-grey metavolcanic with Qtz carbonate stringers + Qtz vein and blebby pyrrhotite and Py Grabbed from various points on the outcrop	0.347		0.85	
03-09-2022	D909233	601645.7	5554862	AM	Outcrop	Very fine grained pale green chert? with disseminated and blebby Py and ilmenite? between two metavolcanic units	0.005		0.27	
04-09-2022	D909234	586164	5541987	AM	Outcrop	Coarse grained dark grey mafic metavolcanic with disseminated Py, banded magnetite, hematite alteration, and contains Qtz veins Strike is of divot in the outcrop that had a vein like structure of the host rock	0.02		0.09	
04-09-2022	D909235	585800.2	5541682	AM	Float	Fine grained grey intermediate metavolcanic with pervasive Py (cubed and peppery) and Qtz veins w minor carb. Grabbed from a pile out of the trench	2.28		3.18	
04-09-2022	D909236	586203.1	5541904	AM	Outcrop	Fine grained grey metavolcanic with banded/disseminated Py and blebby Cpy with a 50cm Qtz vein	1.905		5.39	
	D909237					Missing Data	0.005		0.22	
07-09-2022	D909238	597258.2	5547741	DC	Outcrop	m.g. intermediate metavolcanic host w narrow 1cm Qtz carb py vein array. host is pervasively altered -silica carbonate Py. sub-hederal pale py. From old trench	1.055		1.62	
08-09-2022	D909239	595300.7	5548286	DC	Outcrop	f.g. dark grey foliated mafic metavolcanic hosted rusty Qtz vein w patchy Gal and Cpy. Silica carbonate Py alteration. In old trench	>10.0	17	104	
08-09-2022	D909240	595300.7	5548286	DC	Outcrop	f.g. dark grey foliated mafic metavolcanic hosted rusty Qtz vein w patchy Gal and Cpy. Silica carbonate Py alteration. In old trench	>10.0	21.5	91.2	
09-09-2022	D909241	600955.8	5548331	DC	Float	composite sample for multi element analysis. brecciated Qtz vein w carbonate Py and hematite alteration. Py, pyrrhotite, Cpy. milky white to glassy bluish grey Qtz. f.g. to c.g. Py muck pile from shaft	0.969		0.73	
02-10-2022	D909242	596038.3	5548834	DC	Outcrop	Glassy crystalline white, grey Qtz vein 30-40cm thick hosted in dull green-grey sheared mafic. Anhedral patchy striated Gal, lesser py associated with Gal +/-cpy 5-10 cm ankerite beige inclusion, moderately magnetic w dark elongated unidentified mineral. Weakly reactive to hall	0.28			
02-10-2022	D909243	596286.5	5548796	DC	Float	historic blasted 3x3m trench, with sub-angular-rounded coarse grained felsic Qtz porphyry. Strong - moderate pervasive hematite alteration along Qtz grains with moderate ankerite alteration. 5-10 % fine grained disseminated Py appears to be transported potentially? Rounded samples, large amount of clay content above host	0.395			
09-10-2022	D909244	596804.1	5548107	TC	Outcrop	40 cm Qtz vein with minor amounts of blebby Gal + diss Py.	>10.0	12.2		
09-10-2022	D909245	596804.1	5548107	TC	Outcrop	DUP of D909244. 10% fracture-fill Gal + 2% blebby Py + 1% blebby Cpy laminated within fracture surface within vein.	1.1			
03-08-2022	D909251	598586.7	5553216	DC	Outcrop	m.g. grey gabbro w moderate oxidation and moderate chlorite alteration, minor oxidized sulphides area appears trenched	<0.005			86
03-08-2022	D909252	598546.2	5553257	DC	Outcrop	m.g. highly oxidized metavolcanic w limonite alteration	0.005			90
19-08-2022	D909253	594639.5	5543322	HR	Outcrop	c.g. pinkish red granitic Qtz vein w minor malachite and Cpy dip is approx.	0.008			404
19-08-2022	D909254	595244.5	5544185	DC	Subcrop	m.g. white banded sucrosic Qtz vein w malachite and azurite staining, minor Cpy	0.065			582
20-08-2022	D909255	593826.4	5544009	DC	Outcrop	f.g. greenish grey metavolcanic host - oxidized patch reddish brown w bands of Py within and some limonite alteration	<0.005			206
21-08-2022	D909256	594872.4	5543268	DC	Outcrop	c.g. greyish brown granitic w minor py, Cpy, and somewhat abundant oxidized sulphides, rusty Qtz vein w minor Py granite host and Qtz vein	0.154			9
22-08-2022	D909257	597999.5	5546596	DC	Float	c.g. white-orange-red Qtz vein with patches of chlorite alteration. lots of py - some oxidized red. weakly magnetic on py suggesting possible Po likely from nearby trench/pit	>10.0	10.8		373
22-08-2022	D909258	597968.5	5546578	DC	Float	m.g. grey phyletic intermediate metavolcanic w small disseminated py and some rust on Qtz vein likely from nearby trench	0.753			28
23-08-2022	D909259	596459.8	5547309	DC	Outcrop	f.g. to m.g. orange-purple-brown limonite and jarosite altered foliated gossan with abundant oxidized sulphides and v minor pink mineral?	0.019			77
23-08-2022	D909260	592459.8	5545469	DC	Outcrop	m.g. grey mafic metavolcanic w disseminated py adjacent to white 10-50cm Qtz vein/lens that widens downwards there is a wider neighboring Qtz vein	0.005			79
24-08-2022	D909261	603410.5	5557200	DC	Outcrop	rusty Qtz vein with pod of Cpy, nearby malachite. sub horizontal stacked veins host rock seemingly unmineralized	7.37	6.72		2430

24-08-2022	D909262	603465.7	5557150	DC	Outcrop	white-grey-beige Qtz vein w patchy Cpy, heavily jarosite altered veinlets within, minor malachite from trench	>10.0	63.9		7500
25-08-2022	D909263	601596.2	5556063	DC	Outcrop	m.g. greyish green mafic metavolcanic w m.g. disseminated pale py, minor epidote veinlets	0.235			240
25-08-2022	D909264	601534.4	5556073	DC	Outcrop	c.g. intermediate metavolcanic w abundant oxidized sulphides, some carbs(hall) and minor py. Qtz vein parallel w some oxidized sulphides. Mound following strike of foliation and Qtz vein(s)	0.022			12
25-08-2022	D909265	601719.6	5556124	DC	Outcrop	c.g. greenish grey (leuco?) gabbro w patches of Cpy. Qtz vein unmineralized. light greenish grey surface weathering fallen tree exposure	0.028			554
25-08-2022	D909266	602843.8	5557049	DC	Outcrop	m.g. dark green mafic/ultramafic metavolcanic w/ disseminated py	0.024			8
25-08-2022	D909267	603465.1	5557150	DC	Outcrop	Qtz vein with patches/veins of ankerite alteration, ankerite altered to jarosite near weathered surface. a few visible gold grains within the Qtz close to ankerite patch strike of Qtz carb vein approx. NE/SW		208		3
26-08-2022	D909268	601537.4	5555688	DC	Outcrop	f.g. mafic metavolcanic moderately gossanous w abundant Py and minor oxidized sulphides. some limonite alteration somewhat friable where sample was taken	0.012		0.8	
27-08-2022	D909269	588529.3	5543878	DC	Outcrop	f.g. massive mafic metavolcanic w pale and yellow disseminated py approx. 2mm diameter	0.005		0.04	
28-08-2022	D909270	588010.7	5544439	DC	Float	rusty orange Qtz carb vein w abundant/massive Py chunks blast rock	>10.0	25	2.51	
28-08-2022	D909271	588009.3	5544437	DC	Float	hematite altered nodules(?). w abundant ruddy orange Qtz carb veining blast rock	0.478		0.05	
28-08-2022	D909272	588007.8	5544435	DC	Float	m.g. hematite altered mafic tuff w fracture surface of Qtz carb and moly? Blast rock	<0.005		<0.01	
28-08-2022	D909273	589027	5542020	DC	Outcrop	m.g. greenish grey metasedimentary w veins w some sort of green alteration and py. rings like a slate when struck. collected adjacent to Qtz vein	0.012		0.05	
29-08-2022	D909274	587972.7	5544611	DC	Float	v.c.g. heavily sericite altered Qtz vein hosted in tonalite? trace Py localized float	<0.005		0.02	
29-08-2022	D909275	587766.2	5544695	DC	Outcrop	f.g. dark grey mafic metavolcanic w purple (Mn?) oxidation on weathered surfaces and minor py	0.009		0.04	
29-08-2022	D909276	587914	5544834	DC	Outcrop	Qtz vein sheared adjacent (same direction), big chlorite patches, and carbonates nearby chert contact/dyke?	<0.005		0.05	
29-08-2022	D909277	587918.2	5544826	DC	Outcrop	v.f.g. (aphanitic) dark green-light green chert w brown carbonate? bands and light green parts host f.g. disseminated Py. reddish brown weathering surfaces. light brown on weathered surface	0.008		0.13	
30-08-2022	D909278	600142.3	5552810	DC	Float	f.g. to m.g. grey and white and oxidized reddish brown collection of localized floats w massive and blebby sulphides	0.022		0.84	
30-08-2022	D909279	600170.3	5552761	DC	Outcrop	m.g. felsic to intermediate light grey metavolcanic host w massive py, Cpy and limonite alteration in gossan!!	0.005		1.38	
30-08-2022	D909280	600444.2	5552421	DC	Outcrop	m.g. mafic metavolcanic host near granitic dyke/sill contact. massive Po/Py and magnetite makes up most of the sample. very highly magnetic	0.013		0.42	
01-09-2022	D909281	598496.4	5555566	DC	Outcrop	f.g. greyish green metavolcanic w slatey cleavage and abundant oxidized sulphides (jarosite). amygdaloidal w carbonate amygdule (reacts strongly to hall)	<0.005		0.02	
01-09-2022	D909282	599051.9	5556102	DC	Subcrop	c.g. purplish brown envelope to yellow felsic metavolcanic (No reactive to hall) w veins on Qtz carb (reactive to HCl). has peppered m.g. Cpy and oxidized outer has blebs of Cpy. Eddy found this. Qtz veinlets throughout outcrop not just on one plane	0.175		0.29	
02-09-2022	D909283	601797.2	5555162	DC	Outcrop	f.g. massive mafic grey metavolcanic w peppered pale Py and blebs of pyrrhotite(magnetic). nearby felsic/mafic contact and nearby Qtz vein included. Qtz vein unmineralized yellowish brown w green mafic? inclusions	<0.005		0.35	
03-09-2022	D909284	599013.6	5554940	DC	Outcrop	phyletic and folded altered intermediate metavolcanic w patches of light bluish grey hosting f.g. peppered py. minor hematite alteration. green patches of supposed sericite alteration, smooth like serpentine joint sets measured in outcrop point	0.009		0.23	
03-09-2022	D909285	598691.5	5554885	DC	Outcrop	m.g. grey foliated highly fractured intermediate metavolcanic (more competent than to the E) w trace py and abundant (5-10%) undetermined green mineral dominantly in Qtz veining	<0.005		0.02	
03-09-2022	D909286	598839.8	5554816	DC	Outcrop	m.g. epidote altered intermediate metavolcanic w blebby Py, and white and beige(ankerite?) Qtz carb veining. trace undetermined green mineral in Qtz veins	<0.005		0.39	
03-09-2022	D909287	598473.4	5554480	DC	Outcrop	m.g. foliated intermediate metavolcanic w carbonates, oxidized sulphides(jarosite) and trace Py see outcrop point for outcrop photo and description	<0.005		0.01	
04-09-2022	D909288	585796.1	5541683	DC	Outcrop	m.g. light grey Qtz and dark grey sort of banded intermediate metavolcanic w abundant disseminated/peppered py and w snail trail like narrow dark grey features. near shear zone/contact and large Qtz vein (in old trench)	1.625		2.55	
04-09-2022	D909289	585795.9	5541675	DC	Outcrop	light grey sericite altered rock near contact and shear zone, nearby Qtz veining (from old trench). very fine grained Py disseminated throughout CJ likes this too	<0.005		0.07	
04-09-2022	D909290	585796.5	5541684	DC	Float	m.g. purplish brown intermediate metavolcanic (andesite?) w abundant disseminated m.g. Py. dark green mineral on border of Qtz vein, beige mineral in Qtz vein. bleb of sulfur? (neon yellow) in Qtz vein collected from rubble pile of trench	1.27		1.38	
30-09-2022	D909291	596720.6	5548193	DC	Outcrop	glassy white Qtz vein with minor Gal and Cpy, hosted in foliated basalt.	1.575			
30-09-2022	D909292	596720.6	5548193	DC	Outcrop	f.g. sheared basalt w 3%fg py disseminated throughout. silica altered, minor ankerite. one of repeating shear set 096 to 120 strikes	0.015			
30-09-2022	D909293	596723.9	5548195	DC	Outcrop	f.g.-m.g. basalt w a 1cm band of py/cpy. associated w cherty dyke? moderately oxidized on outer surface	0.009			
01-10-2022	D909294	596615.3	5548341	DC	Outcrop	grey intermediate metavolcanic (intrusion?). some patches of white Qtz w abundant beige ankerite around them. heavily jarosite altered (oxidation) on weathered surface - gossanous	3.42			
01-10-2022	D909295	596821.7	5548097	DC	Outcrop	70% Qtz 30% host. 5-6% disseminated py throughout vein and host + 1% disseminated Cpy. Qtz vein has vuggy texture (ankerite weathering). abundant oxidized sulphides. host is intermediate site 2251	3.34			
01-10-2022	D909296	596788.8	5548139	DC	Outcrop	dark grey mafic metavolcanic w laminated Qtz carb, 10-15% disseminated py, 1-2% disseminated Cpy, trace Gal near Qtz vein	0.718			
01-10-2022	D909297	596785.9	5548137	DC	Outcrop	white, orange Qtz vein w 10-15% Py semi-banded, and 5-10% Gal associated	>10.0	58.5		
01-10-2022	D909298	596782	5548135	DC	Outcrop	white, orange Qtz vein w 5% blebby Cpy, 5% disseminate py, 1% blebby Gal	1.35			
01-10-2022	D909299	596787.3	5548141	DC	Outcrop	white, orange Qtz vein w 10-15% Cpy and 5% Gal, hematite staining	10	12		
01-10-2022	D909300	596901.5	5548042	DC	Outcrop	f.g. dark green-grey mafic w small Qtz carb veinlets and some disseminated oy overprinting veinlets and host. highly magnetic host hillside	0.407			

APPENDIX III

CHANNEL PROGRAM – SAMPLE DESCRIPTION

Sample_ID	Easting	Northing	Geo	From (m)	To (m)	Length	Comment	Au-AA24_ppm	Au-GRA22_ppm	Ag_ppm	Cu_ppm
D909351	596804.3	5548102	SA	0	1	1.00	Semi-massive fine-grained pyrite hosted within vein, with later fine grained disseminated pyrite overprinting vein and mafic	0.502		1.66	192.5
D909352	596805	5548102	SA	1	2	1.00	Thin mm scale wispy carbonate veins. Host rock appears to have weak strain fabric. Two generations of pyrite mineralization, one appears to follow host rock strain fabric, secondary pyrite overprints fabric and wispy carbonate veins. Minor qv stringers	0.059		0.82	582
D909353	596805.8	5548103	SA	2	3	1.00	Quartz vein trend is irregular. Small 3cm wide pyrite-galena seam in center of vein.	>10.0	15.75	45.1	59.9
D909354	596806.6	5548104	SA	3	4	1.00	Interval runs through main vein observed in D909353. Host rock is notably altered on main vein contact. Sulphide mineralization is moderately to strongly tarnished/oxidized. Thin haematitic qv in basalt structure was taken on.	2.97		7.35	65
D909355						0.00	QA/QC	5.1		2.77	6310
D909356	596807.3	5548104	SA	4	5	1.00	Strong alteration hem + wispy carb stringers. Weak strain fabric.	0.114		0.29	81.7
D909357	596808.1	5548105	SA	5	6	1.00	Multiple veins run through interval, between 1-10cm thick. Appear to have variable orientations. Thin stringers observed in host rock.	0.908		1.86	56.7
D909358	596808.9	5548106	SA	6	6.8	0.80		0.015		0.11	60.8
D909359	596809.5	5548106	SA	6.8	8	1.20	Thick white quartz vein with minor magic wall rock fragments; noted to have trace fine grained disseminated pyrite and weak hematite alteration.	0.157		12.3	189
D909360						0.00	QA/QC	<0.005		0.08	57.3
D909361	596810.4	5548107	SA	8	9	1.00	Wispy mm width carbonate veins throughout.	0.006		0.1	10.6
D909362	596811.2	5548107	SA	9	10	1.00		0.018		0.05	14.7
D909363	596811.9	5548108	SA	10	11	1.00		0.11		0.21	53.8
D909364	596812.7	5548109	SA	11	11.5	0.50	Two generations of pyrite, one is fracture filling, second generation is disseminated.	0.391		0.39	72.4
D909365	596803.5	5548107	SA	0	1	1.00	Iron carbonate alteration associated with silica alt. One generation of diss pyrite overprinting whole sample, subhedral + amorphous blebs.	1.205		4.31	519
D909366	596803.5	5548107	SA	0	1	1.00	Duplicate of D909365, disseminated pyrite overprinting whole sample, one generation of subhedral and amorphous pyrite.	1.055		3.63	1095
D909367	596804.2	5548108	SA	1	2	1.00	Laminated qtz-hem-ank vein, diss pyrite throughout host rock + minor amounts in vein. 60% host rock 40% qtz vein. Subtle carbonate alt	0.704		1.65	141
D909368	596805	5548108	SA	2	3	1.00	2mm FeCO3 parallel stringer veins	0.015		0.09	31.5
D909369	596805.8	5548109	AM	3	4	1.00	more pyrite in vein than wall rock. vein has variable width and orientation	0.355		0.63	61.1
D909370						0.00	QA/QC	0.461		0.36	40.7
D909371	596806.5	5548109	AM	4	5	1.00	Py in Qtz vein (not host). FeCO3 alteration seems to be in-between the Qtz vein and wall rock. 2 veins pinching and swelling	0.459		0.79	50.7
D909372	596807.3	5548110	AM	5	5.5	0.50	Incompetent, stringer Qtz veins	0.383		5.29	98.8
D909373	596807.7	5548110	AM	5.5	6.5	1.00	basalt magnetic. vein hematite stained. purple metallic min - bornite? dip skeptical	6.6		49.5	2750
D909374	596808.4	5548111	TC	6.5	7	0.50	Stringer qtz sericite veins. No mineralization. Surficial hematite + fracture-fill sericite within qtz veins.	0.023		0.17	22.7
D909375						0.00	QA/QC	0.008		0.15	83.9
D909376	596808.8	5548111	TC	7	8	1.00	Weak weathering - patchy sericite + pervasive silica + surficial hematite alt. 1% diss pyrite overprinting sample.	0.026		0.09	10.9
D909377	596809.6	5548112	TC	8	9	1.00	1% diss pyrite + questionable trace galena. Small qtz stringers present with pyrite within vein margins.	0.018		0.06	25.1
D909378	596810.4	5548113	TC	9	10	1.00	Tarnished 1% diss pyrite within vein material. Small qtz stringer veins present among hematite alteration.	0.076		0.36	51.9
D909379	596811.1	5548113	TC	10	11	1.00	Weak to moderately silicified mafic volcanic, weak patchy hematite present with qtz stringer veins. 2% diss pyrite + trace diss galena present near qtz stringers.	0.034		0.16	21.9
D909380	596811.9	5548114	TC	11	12	1.00	Amygdaloidal basalt sample, small qtz stringer veins present	0.05		0.15	24.1
D909381	596812.7	5548115	TC	11	12	1.00	Amygdaloidal basalt sample, small stringer veins present	0.037		0.18	33.2
D909382	596813.4	5548115	TC	12	13	1.00	Basalt sample, 1% diss pyrite within host. Moderately silicified + moderate pervasive hematite.	0.034		0.08	30.3
D909383	596814.2	5548116	TC	13	14	1.00	Basalt sample moderately silicified + moderate pervasive hematite alt. 1% disseminated pyrite throughout sample.	0.023		0.11	33
D909384	596814.9	5548117	TC	14	15	1.00	Massive basalt sample, moderate pervasive silica + subtle to weak fracture-fill hematite alt. Minor qtz stringers present. 1% diss pyrite throughout.	0.04		0.17	42.7
D909385						0.00	QA/QC	>10.0	15.55	1.74	70.6
D909386	596815.7	5548117	TC	15	16	1.00	Strongly silicified basalt, weak pervasive hematite alt. Overprinting 1% diss pyrite throughout host.	0.032		0.09	33.2
D909387	596799.9	5548108	TC	0	1	1.00	Irregular qtz vein. Highly magnetic, strained mafic host rock. Blebby pyrite + trace blebby Cpy within vein surface.	1.015		3.2	419
D909388	596800.6	5548109	TC	1	2	1.00	Small qtz-ank stringers present within weakly strained mafic volcanic host. Trace disseminated pyrite within host and along stringer vein margins.	0.032		0.08	16.8
D909389	596801.4	5548109	TC	2	3	1.00	Strongly silicified mafic volcanic, weak ankerite alt + 2% diss pyrite within silica alt. Host appears weakly foliated.	0.024		0.12	35.7
D909390						0.00	QA/QC	<0.005		0.06	96
D909391	596802.2	5548110	TC	3	4	1.00	Mafic volcanic host, 15-20 cm irregular qtz vein, steeply dipping. Weakly laminated hematite alt between qtz and host rock, Weak silica + ankerite pervasive alt within mafic host.	0.03		0.58	28.8
D909392	596802.9	5548111	TC	4	4.7	0.70	Small qtz-ank vein within host rock, host weakly silicified surrounding qtz stringer vein. Trace diss pyrite overprinting host and vein	0.188		0.53	50.1
D909393	596804.5	5548112	TC	6	7	1.00	mm scale qtz-ank stringers with 1-2 cm an halo alt present. Trace diss pyrite within host rock.	0.006		0.05	19.6
D909394	596805.2	5548113	TC	7	8	1.00	Varying magnetism, moderate patchy silica + weak patchy hematite alt. Highly magnetic pyrrhotite + 2% disseminated pyrite localized around stronger hematite alteration.	0.014		0.45	350
D909395	596806	5548113	TC	8	9	1.00	Dupe sample, strained mafic volcanic with moderate schistose texture, few qtz stringer veins + 5 cm qtz carb vein, trace blebby Cpy within vein margins.	0.058		0.56	84.9
D909396	596806.8	5548114	TC	8	9	1.00	Duplicate sample of D909395. strained mafic volcanic with moderate schistose texture, few qtz stringer veins + 5 cm qtz carb vein, trace blebby Cpy within vein margins.	0.016		0.19	62.1
D909397	596807.5	5548115	TC	9	10	1.00	Silicified mafic host with a moderate schistose texture. Grey green colour with patchy silica + pervasive sericite alt.	0.015		0.02	13.2

D909398	596808.3	5548115	TC	11	12	1.00	Small mm scale qtz stringers present. Mineralization present within host rock, stringers are bull white. Host rock shows minor fracture-fill hematite + pervasive silica alt. Previous sample jumps before mud pit (9-10 m to 11-12m)	0.063		0.56	42
D909399	596809.1	5548116	TC	12	13.1	1.10	Large qtz py vein, blebby pyrite + blebby chalcopyrite + disseminated pyrrhotite found within vein, minor amounts of mafic volcanic present with trace disseminated pyrite.	4.85		11.35	183
D909400						0.00	QA/QC	5.2		3.31	6110
D909401	596809.9	5548117	TC	13.1	14.1	1.00	Mafic volcanic host rock moderate to strong silicification within host, mm scale qtz stingers present along with mm halo sericite alt around stringers. Trace disseminated pyrite present throughout sample	0.07		0.08	7
D909402	596810.7	5548117	TC	14.1	15.1	1.00	Mafic volcanic sample, trace mineralization with moderate pervasive silica + weak fracture-fill hematite alt. End of channel 23	0.04		0.17	60.6
D909403	596797	5548114	TC	0	1	1.00	Semi irregular qtz carb vein within sample (10% of sample) within moderate to strongly silicified mafic host. Vein has a laminated texture between vein and mafic host. Disseminated pyrite overprints everything	0.647		2.24	181
D909404	596797.7	5548115	TC	1	2	1.00	5-8 cm vein (15% of sample) with 10-15% disseminated pyrite overprinting whole sample. Weak to moderate fracture-fill hematite along vein margins + pervasive silica and sericite. Minor trace disseminated galena within vein.	1.5		3.24	24.3
D909405						0.00	QA/QC	0.005		0.06	58.4
D909406	596798.4	5548116	TC	2	3	1.00	Dark grey mafic volcanic strongly silicified with a sugary texture throughout rock. Patchy sericite + ankerite vein qtz stringer veins. Disseminated pyrite throughout sample.	0.236		0.69	59.4
D909407	596799.1	5548116	TC	3	3.5	0.50	Grey mafic volcanic host, subtle to weak patchy silica + sericite alt.	0.006		0.08	30.9
D909408	596801.3	5548118	TC	6	7	1.00	Possible mafic volcanic with overprinting strong silica, or dark grey intermediate with small quartz eye phenocrysts within matrix. No mineralization.	<0.005		0.03	9.8
D909409	596802	5548119	TC	7	8	1.00	Intermediate volcanic (based on silica content, possibly siliceous mafic). Grey host with weak to moderate patchy silica + weak carbonate alt	<0.005		0.04	19
D909410	596802.7	5548120	TC	8	9	1.00	Several milky qtz veins present, 5-10 cm wide each, 20% of sample. Host is a green-grey mafic volcanic, trace disseminated pyrite + trace blebby galena within veins.	0.057		0.75	30.3
D909411	596802.7	5548120	TC	8	9	1.00	Duplicate of D909410. Several milky qtz veins present, 5-10 cm wide each, 20% of sample. Host is a green-grey mafic volcanic, trace disseminated pyrite + trace blebby galena within veins.	0.057		0.37	38.2
D909412	596803.4	5548120	TC	9	10	1.00	Meter wide qtz py galena sample, 5% mafic host present. Blebby pyrite + fracture-fill galena present within vein along alteration.	2.3		16.75	958
D909413	596804.2	5548121	TC	10	10.5	0.50	50/50 sample of qtz py gal vein and mafic volcanic. Fracture-fill galena + blebby pyrite found within vein; minor disseminated pyrite found overprinting mafic host.	0.884		5.19	173.5
D909414	596804.5	5548121	TC	10.5	11	0.50	Several 1-3 cm qtz veins with blebby pyrite and trace blebby galena present. Mafic host is green grey and appears strained.	0.436		2.45	37.5
D909415						0.00	QA/QC	1.64		97	3310
D909416	596804.9	5548122	TC	11	12	1.00	Few mm qtz carb stringer veins. Host rock and veins are strained, pyrite within both host and vein.	0.062		0.82	273
D909417	596805.6	5548122	TC	12	12.5	0.50	Massive mafic volcanic unit with 30% qtz vein. Fine grained pyrite within mafic host	0.107		0.25	41.4
D909418	596808.8	5548101	SA	0	1	1.00	Appears to be two generations of pyrite. First, fine grained that within matrix of mafic volcanic, secondary overprints first generation and is more lustrous.	0.276		1	259
D909419	596809.6	5548102	SA	1	2	1.00	Interval is 80% mafic volcanic and 20% vein. Galena is only observed in vein portion and is associated with pyrite. Vein is steeply dipping and irregular/deformed.	0.815		4	65.2
D909420						0.00	QA/QC	0.005		0.08	77.5
D909421	596810.3	5548103	SA	2	3	1.00	Mafic volcanic/mylonite? Section between veins is highly strained and sheared with intense vertical shear fabric. Host rock also has wispy thin quartz carbonate veins. Mineralization appears to be concentrated in vein portion of interval.	1.18		6.42	394
D909422	596811.1	5548103	SA	3	4	1.00	Fragments of mafic wall rock have weak to moderate sericite alteration. Within vein pyrite seems to form rims on galena grains. Galena also appears to form thin stringers within the vein.	1.735		6.04	712
D909423	596811.8	5548104	SA	4	5	1.00	Mafic volcanic wall rock is strongly sericitized with minor amounts observed in quartz vein near contact. Sulphide mineralization is only found in quartz vein. Thin galena stringers within vein.	0.047		4.49	277
D909424	596812.6	5548105	SA	5	6	1.00	More than half the chipped fragments are strongly sericitized, with intense shear fabric. While other fragments look significantly less altered/deformed. End of channel CH-22-20	0.006		0.06	7.8
D909425	596822	5548098	SA	0	1	1.00	Mafic volcanic wall rock is intensely sheared with strong sericite alteration and moderate silicification. Quartz vein is laminated with strong hematite and weak fee-carbonate alteration. Pyrite is only seen in quartz vein.	1.3		3.35	50.5
D909426	596822	5548098	SA	0	1	1.00	Duplicate of D909425. Mafic volcanic wall rock is intensely sheared with strong sericite alteration and moderate silicification. Quartz vein is laminated with strong hematite and weak fee-carbonate alteration. Pyrite is only seen in quartz vein.	2.83		5.7	46.6
D909427	596822.6	5548099	SA	1	2	1.00	Thin glassy quartz veins observed in wall rock fragments. Pyrite mineralization is only seen in mafic unit and on vein contacts. Fine grained magnetite and some magnetite crystals observed near hematite altered areas. Fe-carbonate alt appears bear vein.	0.895		1.12	293
D909428	596823.3	5548100	SA	2	3	1.00	Sulphide mineralization is patchy. Locally up to 15%. Seems to be associated with Fe-carbonate QV. Veins are erratic with no clean contacts.	0.517		0.88	158.5
D909429	596823.9	5548100	SA	3	3.5	0.50	Pervasive carbonate alteration throughout. Visible crystals appear slightly elongated. End of CH-22-19	0.01		0.14	118
D909430						0.00	QA/QC	1.785		95.8	3080
D909431	596772	5548136	TC	0	0.5	0.50	Steep dip, unreliable dip. 50/50 sheared vein and mafic host sample. Stringer veins of galena under qtz present	1.475		5.3	34.4
D909432	596772.4	5548136	TC	0.5	1	0.50	Qtz-Chl vein sample, 50 cm wide with 30% wall rock in sample. Small stringers of green chlorite present within vein. Trace disseminated pyrite within host rock.	0.544		4.68	7.2

D909433	596772.8	5548137	TC	1	1.5	0.50	Ankerite veinlets present, small qtz stringer veins present with trace disseminated pyrite.	0.076		0.44	105
D909434	596721	5548187	TC	0	1	1.00	Mafic intrusive, high magnetism fine grained grey host. Trace disseminated pyrite throughout host. Small qtz veins. Start of channel 26	0.277		0.53	86.4
D909435						0.00	QA/QC	<0.005		0.07	70.1
D909436	596721.6	5548188	TC	1	2	1.00	Ankerite alt along vein margins, hematite fracture-fill within vein margins and host rock. Highly magnetic	1.52		3.19	151
D909437	596722.3	5548189	TC	2	3	1.00	40% vein, 60% host sample. Highly magnetic dark grey host rock.	0.548		1.04	117.5
D909438	596722.9	5548189	TC	3	4	1.00	Highly strained host rock, dark grey. Possible carb amygdule's. Not magnetic.	0.019		0.17	62.9
D909439	596924	5548020	TC	0	0.5	0.50	Dark grey mafic volcanic, small amygdule's of carb. Very magnetic	0.021		0.34	364
D909440	596924.3	5548020	TC	0.5	1	0.50	Dark grey, trace to 2% diss pyrite. Highly magnetic	0.012		0.21	407
D909441	596924.6	5548021	TC	1	2	1.00	Carb eyes within host rock, weakly magnetic.	0.01		0.17	217
D909442	596924.6	5548021	TC	1	2	1.00	Duplicate of D909441.Carb eyes within host rock, weakly magnetic.	0.027		0.21	140.5
D909443	596925.3	5548022	TC	2	3	1.00	Dark grey mafic basalt, weakly magnetic. Wispy carb stringers	0.008		0.13	217
D909444	597314.3	5547671	SA	0	1	1.00		<0.005		0.11	84.8
D909445						0.00	QA/QC	>10.0	NSS	2.3	70.2
D909446	597314.3	5547672	SA	1	2	1.00	Most chips are coarse grained intermediate (diorite?) With lesser dark green medium grained mafic.	<0.005		0.1	45.1
D909447	597314.3	5547673	SA	2	3	1.00	Diorite?	<0.005		0.07	19.8
D909448	597314.3	5547674	SA	3	4	1.00		<0.005		0.07	26.5
D909449	597314.3	5547675	SA	4	5	1.00		<0.005		0.12	133
D909450						0.00	QA/QC	<0.005		0.07	76.5
D909451	597314.3	5547676	SA	5	6	1.00	1cm discontinuous crystalline weathered quartz vein on one fragment.	0.005		0.1	109.5
D909452	597314.3	5547677	SA	6	7	1.00	Hairline carbonate veinlets sporadically throughout, seen to be along fracture planes.	<0.005		0.15	99.8
D909453	597314.3	5547678	SA	7	8	1.00	Shear zone hosted quartz vein. Shear zone is more prominent on the southern side. Mineralization is concentrated in vein, wall rock on vein margin is mineralized. Fe-carbonate stringers within wall rock.	>10.0	21.9	>100	515
D909454	597314.3	5547679	SA	8	8.5	0.50		0.028		0.41	126
D909455	597359.3	5547650	SA	0	1	1.00	5cm shear zone on the north side of vein. Mineralization is concentrated in the vein with trace fine grained pyrite in the wall rock. Thin Fe carbonate veinlets in wall rock adjacent to vein	6.05		14.55	116.5
D909456	597359.3	5547650	SA	0	1	1.00	5cm shear zone on the north side of vein. Mineralization is concentrated in the vein with trace fine grained pyrite in the wall rock. Thin Fe carbonate veinlets in wall rock adjacent to vein. DUP of D909455	2.42		4.52	85.3
D909457	597359.8	5547651	SA	1	2	1.00	Patchy olive green alteration (epidote??) Carbonate lenses and rock is weakly sheared. Thin patchy glassy quartz	0.407		0.97	151
D909458	597360.3	5547652	SA	2	2.8	0.80	Quartz vein is strongly weathered and decomposed at surface, even with saw blade cut, some evidence of weathered out sulphide.	0.063		0.27	108.5
D909459	597360.9	5547653	SA	3.2	4	0.80	Band of massive pyrite between 3.80 - 3.85 hosted within glassy quartz vein. Vein also has a distinct silica alteration halo extending 10-15cm into the wall rock. Primary textures of wall rock are mostly absent.	9.46		25.7	70.6
D909460						0.00	QA/QC	1.645		95.9	3120
D909461	597361.3	5547653	SA	4	5	1.00	Vein margins shave quite chaotic texture with thin carbonate and Fe-carbonate stringers. One chipped section of magic volcanic has a brecciated texture of quartz and Fe carbonate. Amorphous quartz blebs in volcanic near margin (do not appear part of vein	1.07		2.4	123
D909462	597361.8	5547654	SA	5	5.5	0.50	Strong silica alteration on south side of vein, adjacent to sheer zone. More mineralization on southern side of vein. Vein crossed sample contact with D909461	1.18		4.47	133.5
D909463	597260.4	5547737	SA	0	1	1.00	Weakly brecciated quartz with disseminated subhedral pyrite	0.296		0.55	135
D909464	597261.1	5547738	SA	1	2	1.00	Semi massive pyrite on vein margins, locally up to 20%. Thin qtz carb stringers in wall rock. Pyrite stringer veins within the qtz vein	1.99		3.61	137
D909465						0.00	QA/QC	0.007		0.08	75.1
D909466	597261.7	5547739	SA	2	3	1.00	Potentially silicified mafic intrusive	0.306		1.27	139.5
D909467	597245.6	5547860	SA	0	0.5	0.50	Glassy quartz vein with galena concentrated in center of vein. Inclusions of mafic shear rock (minor) and localized areas of semi massive pyrite.	1.895		25.6	2880
D909468	597245.8	5547861	SA	0.5	1	0.50	Shear zone adjacent to vein	0.23		1.56	426
D909469	597254.8	5547860	SA	0	0.35	0.35	Thin irregular cross cutting veins	0.461		0.97	469
D909470	597254.8	5547860	SA	0.35	1.15	0.80	Vein is transparent grey in places	>10.0	28.1	94.3	2700
D909471	597254.8	5547860	SA	0.35	1.15	0.80	Vein is transparent grey in places	>10.0	10.2	51.2	1795
D909472	597254.8	5547861	SA	1.15	2	0.85	Epidote alteration near surface?	0.25		1.2	193
D909473	597417.8	5547766	SA	0	0.5	0.50	25 cm shear zone within basalt on NE side of folded quartz vein. No mineralization.	0.021		0.15	20
D909474	597418.1	5547766	SA	0.5	1.5	1.00	Pyrite only seen within mafic volcanic. Folded qtz vein. Null mineralization within vein. Striking to the north, strike slip shear. Hosted within 2-3 m shear zone.	0.121		0.53	59.8
D909475						0.00	QA/QC	0.535		0.4	45.5
D909476	597418.3	5547766	SA	1.5	2	0.50	Mm scale wispy qtz veins. No mineralization.	0.013		0.05	20.2
D909477	597338.8	5547818	SA	0	0.5	0.50	Thin qtz-ank veins throughout unit. Minor vein is milky, with minor an alt. Minor mineralization within host.	0.059		0.37	48.3
D909478	597338.9	5547819	SA	0.5	1	0.50	Weak carbonate alt also present. Thin glassy mm scale qtz veins present fracture-fill within foliation in host. Galena found within qtz vein	0.135		2.8	128
D909479	597339	5547819	SA	1	1.5	0.50	Heavily magnetic, within shear zone. Small mm scale qtz carb veins	0.044		0.6	149
D909480						0.00	QA/QC	0.005		0.12	87.1
D909481	597339	5547820	SA	1.5	2	0.50	End of channel 6. Grey green mafic, strongly weathered with trace pyrite. Highly magnetic	0.035		0.23	141.5
D909482	597344.9	5547814	SA	0	1	1.00	Weakly magnetic, grey green mafic volcanic. Mineralization within vein. Sericite within iron carbonate within vein margins. Vein is laminated. Trace chlorite alt.	0.735		0.19	57.7
D909483	597345.2	5547815	SA	1	2	1.00	Small pink qtz vein within host rock. Moderate pervasive chlorite + epidote alt throughout host. Wispy mm scale qtz carb stringers. Chlorite alt seen within vein.	0.01		0.1	70.5
D909484	597345.5	5547816	SA	2	3	1.00	Small mm scale qtz veins stringers with trace pyrite.	0.011		0.17	141
D909485	597345.9	5547817	SA	3	4	1.00	Weak epidote alteration throughout sample.	0.006		0.19	136
D909486	597345.9	5547817	SA	3	4	1.00	Duplicate of d909485. Weak epidote alteration throughout sample.	0.011		0.15	206
D909487	597346.2	5547818	SA	4	4.5	0.50	Wispy mm scale qtz carb veins within host rock	0.013		0.09	154
D909488	597346.4	5547818	SA	4.5	5	0.50	Several mm to 2 cm scale qtz + sericite + epidote laminated veins within host rock. Shear zone(?)	<0.005		0.05	108.5

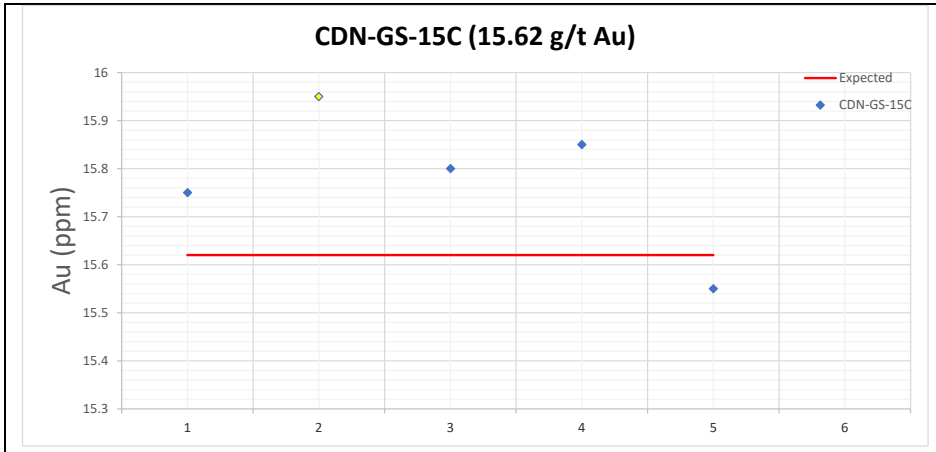
D909489	597346.6	5547819	SA	5	5.5	0.50	Sericite + qtz wispy veins within host rock. Weak foliation fabric.	0.011		0.04	68
D909490						0.00	QA/QC	5.07		2.64	5910
D909491	597346.7	5547819	SA	5.5	6	0.50	Small mm scale qtz carb stringers + rounded blebs present. Mineralization within host.	0.008		0.14	219
D909492	597346.9	5547820	SA	6	6.5	0.50	Within small shear zone, pyrite qtz stringers within host. Silicified mafic host. small vein within sample, trace galena within vein.	0.096		0.29	167.5
D909493	597347.1	5547820	SA	6.5	7	0.50	Pyrite + galena within vein, trace pyrite within host rock. Two veins, one laminated iron carb qtz vein with mineralization another with no mineralization. Small shear zone south	0.121		0.44	66.1
D909494	597305.3	5547844	SA	0	1	1.00	Mm scale qtz wispy stringers present. Trace disseminated pyrite	0.005		0.06	100.5
D909495						0.00	QA/QC	<0.005		0.06	70.4
D909496	597305.3	5547845	SA	1	2	1.00	Mm scale irregular qtz stringer veins.	0.007		0.13	161
D909497	597305.3	5547846	SA	2	3	1.00	Mm scale qtz sericite veins, trace diss pyrite.	<0.005		0.06	102.5
D909498	597305.3	5547847	SA	3	4	1.00	Dyke measurement S:064 D:66. 30 cm shear zone with a 25 cm diorite dyke on south side.	0.007		0.08	59
D909499	597305.3	5547848	SA	4	5	1.00	Trace diss py, moderately siliceous.	0.008		0.05	90.8
D909500	597305.3	5547849	SA	5	6	1.00	Duplicate sample. End 10 cm of sample is shear zone. Small rounded qtz stringer veins.	0.014		0.07	77.8
D916501	597305.3	5547849	SA	5	6	1.00	Duplicate sample. End 10 cm of sample is shear zone. Small rounded qtz stringer veins.	0.142		0.32	117.5
D916502	597305.3	5547850	SA	6	7	1.00	Shear zone 50 cm wide within a dark mafic volcanic. Shear S:093 D:82. Qtz-hem-ank vein with diss pyrite. Host is moderately silicified.	1.17		3.01	303
D916503	597305.3	5547851	SA	7	8	1.00	Qtz vein sample, vein folded. No mineralization	0.025		0.27	13.6
D916504	597305.3	5547852	SA	8	9	1.00	Several mm scale qtz veins.	0.012		0.11	105
D916505						0.00	QA/QC	1.785		95.6	3160
D916506	595256.5	5548271	DC	0	1.2	1.20	Minor stringer irregular glassy quartz veins	0.005		0.16	81.9
D916507	595255.7	5548272	DC	1.2	2.2	1.00	Amygdule's are filled with epidote. Fe-carbonate halo on some minor quartz veins with trace pyrrhotite on some vein contacts. Weak silica alteration along micro fractures.	0.006		0.17	81.9
D916508	595255	5548272	DC	2.2	2.7	0.50	10 cm vein hosted in thin intense shear zone. Shear zone is 40cm thick with undeformed rock on either side. Mineralization is concentrated in vein primarily. Vein pinches and swells with evidence of boudinage.	5.31		25	394
D916509	595254.7	5548273	DC	2.7	3.2	0.50	Epidote filled rounded amygdule's, thin quartz veinlets, appear to be extensional. Thin quartz carbonate veinlets	0.021		0.18	50
D916510						0.00	QA/QC	<0.005		0.07	80.8
D916511	595254.4	5548273	DC	3.2	4.2	1.00	Abundant micro quartz veining or maybe evidence of stretched quartz vein. Trace cpy observed on fresh surface hosted in basalt. Some sulphides appear to be selectively replaced with Fe carbonate or maybe sericite.	<0.005		0.1	73.6
D916512	595264.1	5548277	DC	0	1	1.00	massive	0.013		0.13	61
D916513	595264	5548278	DC	1	1.5	0.50	more galena independent of other sulphides. f.g. py along contact w host. host highly sheared. sulphides as planar feature. shear 15cm wide	4.99		23.4	227
D916514	595263.9	5548278	DC	1.5	2	0.50	first 5 cm shear. weathered out sulphides	0.007		0.16	60.7
D916515	595263.8	5548279	DC	2	3	1.00	qtz carb stringers.	0.03		0.19	78.3
D916516	595263.8	5548279	DC	2	3	1.00	qtz carb stringers. Dup of D909515	0.005		0.13	70.4
D916517	595296.3	5548287	DC	0	0.5	0.50	host is heavily sheared. qtz vein has small qtz carb inclusions, is milky and glassy	0.775		3.52	57.9
D916518	595296.1	5548288	DC	0.5	1	0.50	host rock is magnetic, not the vein. Py in host, not vein. host is carb rich. carb inclusions in qtz and on margins. Gal and cpy in vein. host is dark grey and sheared	1.19		9.06	75.1
D916519	595296	5548288	DC	0	0	0.00	sheared weathered out sulphides. very soft. Laminated qtz carb veinlets	0.455		3.67	90.4
D916520						0.00	QA/QC	5.05		3.01	6030
D916521	595213	5547796	DC	0	1	1.00	some qtz eyes, epidote amygdule	0.008		0.09	89.7
D916522	595213.5	5547797	DC	1	2	1.00	light green patches 5-10cm diameter - altered? vesicles infilled w qtz-carb, epidote. Py is f.g. hairline qtz-carb veinlets	0.006		0.12	62.1
D916523	595214	5547798	DC	2	3	1.00	hairline Fe-carb veinlet, nodules. epidote alteration halos.	0.011		0.21	76.6
D916524	595214.5	5547799	SA	3	4	1.00	epidote and qtz-carb amygdule.	0.006		0.09	71
D916525						0.00	QA/QC	<0.005		0.07	98.4
D916526	595215	5547799	SA	4	5	1.00	hairline qtz-carb veinlets hosting py on edges. Py disseminated in host.	0.017		0.11	70.6
D916527	595215.5	5547800	SA	5	6	1.00	py disseminated, euhedral. crosscutting 2cm qtz-carb veins w Fe-carb envelope w medium grain intermediate host. epidote infilled amygdule.	0.028		0.19	74.3
D916528	595215.9	5547800	SA	0	1	1.00	hairline qtz carb veins w pinkish brown alteration. coarse- and fine-grained litho. veins cross cutting. some veins v py rich. Py richer in pinkish altered zones	0.09		0.33	82.3
D916529	595215.2	5547801	SA	1	2	1.00	cross cutting hairline veins	0.027		0.16	90.6
D916530	595214.4	5547802	SA	2	3	1.00	Irregular vein, short splay perpendicular to main vein and channel. Py in host fragments within vein sub-euhedral. host sheared and magnetic. vein disproportionally altered. semi-massive py nodules in vein. hairline qtz-carb veinlets in host	0.194		1.8	83.1
D916531	595214.4	5547802	SA	2	3	1.00	Dup of D916530.Irregularvein, short splay perpendicular to main vein and channel. Py in host fragments within vein sub-euhedral. host sheared and magnetic. vein disproportionally altered. semi-massive py nodules in vein. hairline qtz-carb veinlets in host.	0.261		0.5	56.3
D916532	595213.6	5547802	SA	3	4	1.00	qtz carb stringers. Py is f.g. epidote infilled amygdule glassy qtz veinlets	0.009		0.11	78.1
D916533	595212.9	5547803	SA	4	5	1.00		<0.005		0.12	76.7
D916534	595218	5547844	SA	0	1	1.00	cooked intermediate host w abundant qtz and is associated w mineralization. trace unknown dark grey sulphide. vein bullish	0.008		0.24	5.3
D916535						0.00	QA/QC	0.532		0.3	46.6
D916536	595217.1	5547845	SA	1	2	1.00	trace unknown grey f.g. sulphide	0.024		0.73	8.3
D916537	595216.3	5547845	SA	2	3	1.00	locally semi massive py in vein ... host is pitted (weathered out sulphides). Cpy associated w Py.	0.05		0.6	6.9
D916538	595215.4	5547846	SA	3	4	1.00	f.g. disseminated py in host w uniform distribution. host decomposed/leached - cooked.	0.014		0.5	5.6
D916539	595214.5	5547846	SA	4	5	1.00	5-10cm glassy/milky veins seem to be post mineralization. Py in host	0.042		1.04	5.8
D916540						0.00	QA/QC	<0.005		0.08	67.4
D916541	595314	5548003	SA	0	0.5	0.50		<0.005		0.13	120
D916542	595314.2	5548003	SA	0.5	1	0.50	10 to 15cm shear zone. Laminated quartz carb veins around 5mm repeating. Sheared and deformed rock. Primary fabric has been eroded. Potentially intermediate?	0.127		0.59	187

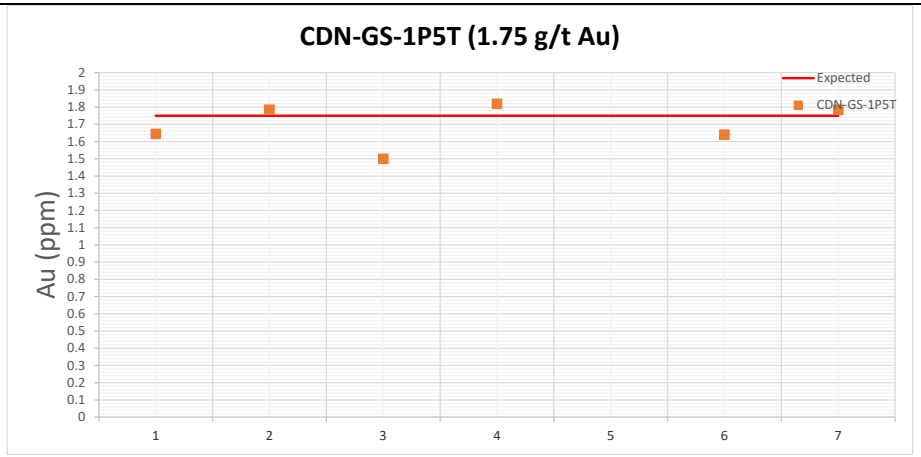
D916543	595314.3	5548004	SA	1	1.5	0.50	Fe carbonate is only in the laminated veins. Pyrite is stretched. Near a shear zone. 5mm laminated irregular qtz carb veins. Strong shear texture. Some pyrite is euhedral	0.131		0.59	158.5
D916544	595321	5548004	SA	0	1	1.00	Elongated qtz carbonate lenses (no carbonate anywhere else in the rock). Weakly sheared rock. Epidote amygdule's	<0.005		0.18	135
D916545	595321	5548004	SA	0	1	1.00	Elongated qtz carbonate lenses (no carbonate anywhere else in the rock). Weakly sheared rock. Epidote amygdule's. DUP of sample D916544	0.013		0.1	101.5
D916546	595320.5	5548005	SA	1	1.5	0.50		0.005		0.21	138
D916547	595320.2	5548006	SA	1.5	2	0.50	Is a dominant shear fabric, to much snow to get accurate measurement of dip but it is steep. There is small quartz bits but not enough for a second lith. Minor pyrite associated with qtz carb veinlets.	0.023		0.37	140
D916548	595320	5548006	SA	2	3	1.00	Sheared and elongated glassy dark grey black veins (qtz?)	0.255		0.45	187
D916549	595319.5	5548007	SA	3	3.5	0.50	Heavily sheared. Elongated pyrite	0.021		0.17	131
D916550						0.00	QA/QC	>10.0	15.75	1.88	70.4
D916551	595323.5	5548004	SA	0	1	1.00	Carbonate alteration only in quartz carb nodules	0.008		0.26	172.5
D916552	595323	5548004	SA	1	2	1.00	Boudinaged glassy quartz vein. Mineralization is concentrated in vein and some in sheared metavolcanic host rock. Black, grey unidentified portions of the vein that are associated with mineralization. Host rock is magnetic with trace pyrite + carb	>10.0	11.15	51.4	499
D916553	595322.5	5548005	SA	2	3	1.00	Weakly sheared. Carbonate alteration associated with quartz carb nodules	0.017		0.25	125.5
D916554	603430.7	5557187	SA	0	1	1.00		<0.005		0.02	16.2
D916555						0.00	QA/QC	0.005		0.09	79.4
D916556	603429.8	5557187	SA	1	2	1.00	Shear zone hosted qtz vein, pinch and swell, ~10-15cm @ channel location. Hosted in thin shear zone.	<0.005		0.02	9.9
D916557	603429	5557188	SA	2	3	1.00	Irregular thin glassy qtz veins ~1-2cm wide.	0.01		0.03	27
D916558	603428.1	5557188	SA	3	4	1.00	Carbonate alteration on edges of plag. grains. Irregular 1-2 cm qtz veins. Very small angular soft beige grains throughout wall rock	<0.005		0.04	30
D916559	603473.2	5557151	SA	0	1	1.00	Multiple veins between 1-50cm thick and up to 1m. All striking between 220-230 and dipping between -65 and -70. (Could be one large vein) Thin black tourmaline? veinlets	0.018		0.02	7.3
D916560	603472.5	5557152	SA	1	2	1.00	Multiple veins between 1-50cm thick and up to 1m. All striking between 220-230 and dipping between -65 and -70. (Could be one large vein) Thin black tourmaline? veinlets. Sheared Gabbro	<0.005		1.26	22.7
D916561	603472.5	5557152	SA	1	2	1.00	Multiple veins between 1-50cm thick and up to 1m. All striking between 220-230 and dipping between -65 and -70. (Could be one large vein) Thin black tourmaline? veinlets. Sheared Gabbro	0.013		0.14	13.1
D916562	603471.9	5557152	SA	2	3	1.00	Multiple veins between 1-50cm thick and up to 1m. All striking between 220-230 and dipping between -65 and -70. (Could be one large vein) Thin black tourmaline? veinlets.	<0.005		0.02	20.8
D916563	603471.3	5557153	SA	3	4	1.00	Multiple veins between 1-50cm thick and up to 1m. All striking between 220-230 and dipping between -65 and -70. (Could be one large vein) Thin black tourmaline? veinlets. Fe-carb altering black veinlets. Sheared wall rock	0.026		0.11	22.4
D916564	603470.6	5557154	SA	4	5	1.00	Multiple veins between 1-50cm thick and up to 1m. All striking between 220-230 and dipping between -65 and -70. (Could be one large vein) Thin black tourmaline? veinlets. Decomposed sheared gabbro. Wall rock fragments in vein	0.019		0.15	3.7
D916565						0.00	QA/QC	0.463		0.24	36
D916566	603357	5557037	SA	0	1	1.00	Hosted in moderately sheared host. Grey, white qtz veins that are glassy and milky in places. Carbonate in sheared wall rock	1.675		0.49	14.9
D916567	603356.5	5557038	SA	1	1.5	0.50	ULTRA shear zone. Elongated strongly. Fe-carbonate in vein	0.333		0.29	12.4
D916568	603360.2	5557036	SA	0	1	1.00	Silicified host rock with multiple qtz veins running through, shear zone is between 10-15cm wide and repeating. Diorite? Large glassy nodules up to 3cm	1.58		0.09	39.4
D916569	603359.5	5557037	SA	1	2	1.00	Silicified host rock with multiple qtz veins running through, shear zone is between 10-15cm wide and repeating. Qtz vein has trace hematite alteration as veinlets	<0.005		0.03	18.4
D916570						0.00	QA/QC	0.005		0.06	81.2
D916571	603358.7	5557037	SA	2	3	1.00	Silicified host rock with multiple qtz veins running through, shear zone is between 10-15cm wide and repeating. Hematite alteration as veinlets in qtz vein	0.015		0.05	21.1
D916572	599451.1	5554764	SA	0	1	1.00	Stockwork qtz carb irregular glassy veins throughout. Quartz crystals are medium grained.	<0.005		0.07	24.4
D916573	599450.9	5554765	SA	1	2	1.00	Stockwork qtz carb irregular glassy veins throughout. Oblong irregular quartz vein. Wall rock fragments in qtz vein. Pyrite only in wall rock. Glassy qtz veins in wall rock.	<0.005		0.01	0.7
D916574	599450.8	5554766	SA	2	3	1.00	Stockwork qtz carb irregular glassy veins throughout. Weak foliation in some fragments of rock.	<0.005		0.02	1.3
D916575	599450.6	5554767	SA	3	4	1.00	Stockwork qtz carb irregular glassy veins throughout. Minor glassy qtz fragments.	0.011		0.06	11.4
D916576	599450.6	5554767	SA	3	4	1.00	Stockwork qtz carb irregular glassy veins throughout. Minor glassy qtz fragments.	0.006		0.05	3.2
D916577	599450.4	5554768	SA	4	5	1.00	Stockwork qtz carb irregular glassy veins throughout. Deep weathering rind	<0.005		0.01	4.8
D916578	599450.2	5554769	SA	5	6	1.00	Stockwork qtz carb irregular glassy veins throughout. Fe carbonate alteration is patchy. Glassy and milky circular qtz veins	0.012		0.07	63.7
D916579	599450.1	5554770	SA	6	7	1.00	Stockwork qtz carb irregular glassy veins throughout. Some veins are not carbonatized	0.013		0.26	448
D916580						0.00	QA/QC	1.5		89.2	3000
D916581	599449.9	5554771	SA	7	7.5	0.50	Stockwork qtz carb irregular glassy veins throughout. Two types of veins, one glassy and one beige	0.005		0.07	5.3
D916582	599817.1	5554586	SA	0	1	1.00	Strongly sheared. Dark blue grey qtz grains. Carbonate veinlets	0.114		0.66	42.5
D916583	599817.7	5554587	SA	1	2	1.00	Strongly sheared. Blue black fine grained qtz grains. Pyrite is along foliation planes and locally up to 1%.	0.007		0.05	43.6
D916584	599818.4	5554588	SA	2	3	1.00	Strongly sheared. Dark blue grey qtz grains. Blebby patches of round pyrite locally up to 10%. Crosscutting qtz veins	0.011		0.11	13
D916585						0.00	QA/QC	<0.005		0.12	137.5
D916586	599819	5554589	SA	3	4	1.00	Strongly sheared. Dark blue grey qtz grains. Blebby rounded pyrite patches of up to 10% locally. Qtz grains larger than other rocks. Carbonate lenses present	0.054		0.17	26.2
D916587	599819.6	5554589	SA	4	5	1.00	Strongly sheared. Dark blue grey qtz grains. Blebby rounded pyrite locally up to 5% in bands	0.05		0.09	46.8

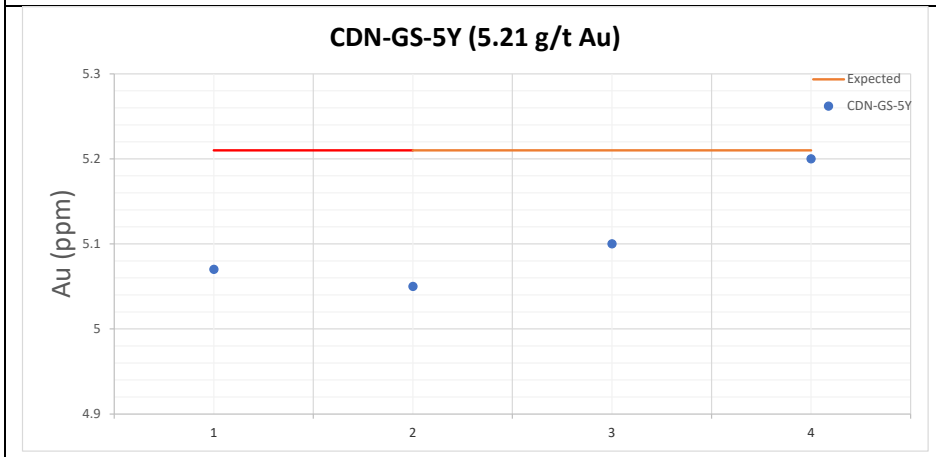
D916588	599820.3	5554590	SA	5	6	1.00	Strongly sheared. Dark blue grey qtz grains. Blebby rounded pyrite locally up to 5% in bands and less frequent than previous samples. Qtz vein is quite weathered	0.04		0.11	74.8
D916589	599820.9	5554591	SA	6	7	1.00	Strongly sheared. Dark blue grey qtz grains. Crosscutting glassy qtz veins	0.029		0.03	18.1
D916590	599821.6	5554592	SA	7	8	1.00	Strongly sheared. Dark blue grey qtz grains. Crosscutting thin glassy qtz veins	0.096		0.05	24
D916591	599821.6	5554592	SA	7	8	1.00	Strongly sheared. Dark blue grey qtz grains. Crosscutting thin glassy qtz veins	0.022		0.03	20.4
D916592	599822.2	5554592	SA	8	9	1.00	Strongly sheared. Dark blue grey qtz grains. Elongated laminated fee carbonate blebs. Irregular qtz veins.	0.261		0.07	31
D916593	599822.9	5554593	SA	9	10	1.00	Strongly sheared. Dark blue grey qtz grains. Irregular qtz veins. Fe carbonate more dominant. Blebby layers of localized pyrite.	0.058		0.04	20.5
D916594	599825.6	5554592	SA	0	1	1.00	Heavily sheared that all primary textures are gone.	0.019		0.16	88.1
D916595						0.00	QA/QC	1.82		>100	3160
D916596	599826	5554593	SA	1	2	1.00	Heavily sheared that all primary textures are gone. Isolated carbonatized shear layers. Elongated qtz grains with tails. Pyrite is banded	0.039		0.29	77.3
D916597	599826.3	5554594	SA	2	3	1.00	Heavily sheared that all primary textures are gone. Pyrite is blebby.	0.052		0.09	28
D916598	599826.6	5554595	SA	3	4	1.00	Heavily sheared that all primary textures are gone. Elongated qtz grains.	0.009		0.06	10.6
D916599	599827	5554596	SA	4	5	1.00	Sheared. Elongated grains. Crosscutting fee qtz carbonate veins.	0.009		0.04	8.1
D916600						0.00	QA/QC	<0.005		0.06	65.6
D916601	599827.3	5554597	SA	5	6	1.00	Sheared. Elongated grains. Fe carbonate veins along fracture planes in the quartz veins.	0.008		0.05	27
D916602	599827.7	5554598	SA	6	7	1.00	Heavily sheared.	0.03		0.16	53.7
D916603	599828	5554599	SA	7	8	1.00	Heavily sheared. Highly oxidized with subhedral voids. Vuggy texture.	0.452		0.61	76.4
D916604	599997	5554477	SA	0	1	1.00	Strongly sheared mafic volcanic, heavy amounts of weathering.	<0.005		0.1	244
D916605	599996.9	5554478	TC	1	2	1.00	Green beige mafic volcanic, small sericite stringer veins throughout host (possible fuchsite). Small glassy qtz vein, cross cuts foliation.	<0.005		0.08	164
D916606	599996.9	5554478	TC	1	2	1.00	Duplicate of D916605. Green beige mafic volcanic, small sericite stringer veins throughout host (possible fuchsite). Small glassy qtz vein, cross cuts foliation.	<0.005		0.06	97.7
D916607	599996.8	5554479	TC	2	3	1.00	Brecciated qtz hem vein, host heavily silicified. Qtz is heavily red hematite stained.	<0.005		0.09	222
D916608	599996.7	5554480	TC	3	4	1.00	Small qtz stringer perpendicular to foliation. Host is light green to beige. Small sericite stringers + heavily silicified host.	<0.005		0.08	154
D916609	599996.7	5554481	TC	4	5	1.00	Light green to beige host, small sericite stringers present.	<0.005		0.07	157.5
D916610						0.00	QA/QC	>10.0	15.95	2.24	66.3
D916611	600024	5554485	TC	0	0.5	0.50	Fuchsite light green blue mica present. Cm scale qtz carb stringers crosscutting foliation present.	0.005		0.1	241
D916612	600024	5554486	TC	0.5	1.5	1.00	Strongly sheared mafic volcanic, small sericite stringer veins present. Small, laminated texture within host.	<0.005		0.11	252
D916613	600024	5554487	TC	1.5	2.5	1.00	Heavily sheared mafic volcanic, small rounded qtz carb vein present cross cutting host rock.	<0.005		0.12	277
D916614	600024	5554488	TC	2.5	3.5	1.00	Mm scale qtz stringer veins present along foliation. Heavily foliated mafic host with small qtz carb vein running along foliation. Host proximal to vein is heavily silicified.	<0.005		0.14	319
D916615						0.00	QA/QC	<0.005		0.06	62.6
D916616	600024	5554489	TC	3.5	4	0.50	Strongly sheared and foliated mafic rock. Carb stringers present are elongated along foliation.	<0.005		0.19	420
D916617	600024	5554489	TC	4	5	1.00	Half of the sample has a massive texture while half appears laminated / heavily sheared. Both appear to be mafic volcanic. Stronger alteration found within laminated side. Mm scale qtz carb stringers present along foliation.	<0.005		0.07	120.5
D916618	600024	5554490	TC	5	6	1.00	Contact between sheared mafic and massive int volcanic (possible intrusive S:108 D:68). Small mm scale qtz carb stringers.	<0.005		0.04	82.5
D916619	600024	5554491	TC	6	6.5	0.50	Mm scale qtz carb stringer, weak to moderate shear.	<0.005		0.1	154
D916620	600024	5554492	TC	6.5	7.5	1.00	Deep green siliceous rock. Strong pervasive epidote alt + small patchy fuchsite. Small qtz carb stringer veins. Extremely hard host rock	<0.005		0.09	182.5
D916621	600024	5554492	TC	6.5	7.5	1.00	Deep green siliceous rock. Strong pervasive epidote alt + small patchy fuchsite. Small qtz carb stringer veins. Extremely hard host rock	<0.005		0.09	160.5
D916622	600024	5554493	TC	7.5	8.5	1.00	Hard host rock, deep green with strong pervasive epidote + epidote/sericite alt along elongated phenocrysts. Small mm scale qtz carb veinlets present. End of channel	<0.005		0.07	133.5
D916623	600042	5554488	TC	0	0.5	0.50	Flat lying vein 1m wide, light green int host (30% of sample). No sulphides	<0.005		0.02	15.6
D916624	600042	5554489	TC	0.5	1	0.50	Fe carb + carb lenses (heavily altered clasts) elongated along foliation, silica + weak fracture-fill chlorite? Along lenses margins.	<0.005		0.06	160
D916625						0.00	QA/QC	0.503		0.31	48
D916626	600042	5554489	TC	1	2	1.00	2 m wide flat lying within an intermediate volcanic. Carb lenses present within host rock. Moderate patchy iron carb within vein, trace blebby chalcopyrite present within vein.	<0.005		0.03	104
D916627	600042	5554490	TC	2	3	1.00	Possible elongated carb lenses within highly siliceous host rock. Rock appears moderately sheared. 1% blebby pyrite found within host.	<0.005		0.06	127
D916628	600019	5554378	AM	0	1	1.00	Sheared. Elongated qtz grains. Crosscutting glassy qtz veins with plag. and a small, oxidized rind. Mylonitic texture.	<0.005		0.17	184.5
D916629	600019.5	5554379	AM	1	2	1.00	Sheared. Elongated qtz grains. Crosscutting glassy qtz veinlets. Mylonitic texture.	<0.005		0.19	184
D916630						0.00	QA/QC	<0.005		0.07	77.5
D916631	600020	5554380	AM	2	3	1.00	Sheared. Elongated qtz grains.	<0.005		0.14	169
D916632	600020.5	5554381	AM	3	4	1.00	Sheared. Elongated qtz grains. Crosscutting glassy qtz veinlets. Strong weathering rind ~3cm	<0.005		0.15	190
D916633	600021	5554381	AM	4	5	1.00	Sheared. Elongated qtz grains. Crosscutting glassy qtz veinlets. Strong weathering rind ~3cm	<0.005		0.16	189
D916634	600021.5	5554382	AM	5	6	1.00	Sheared. Elongated qtz grains. Boudinaged crosscutting glassy qtz veinlets. Strong weathering rind ~3cm	<0.005		0.17	211
D916635	600022	5554383	AM	6	7	1.00	Sheared. Elongated qtz grains. Crosscutting glassy qtz veinlets. Strong weathering rind ~3cm. Carbonate alteration associated with qtz carb grains	<0.005		0.18	186.5
D916636	600022	5554383	AM	6	7	1.00	Sheared. Elongated qtz grains. Crosscutting glassy qtz veinlets. Strong weathering rind ~3cm. Carbonate alteration associated with qtz carb grains. DUP of D916635	<0.005		0.17	195

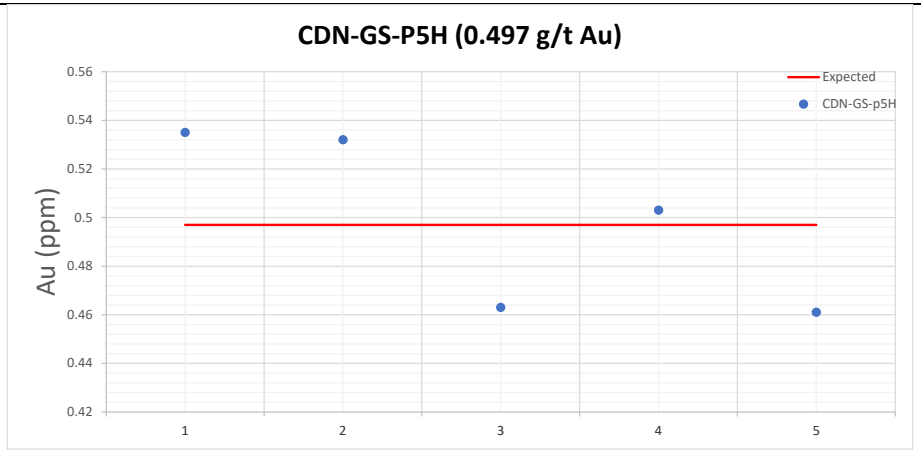
D916637	600022.5	5554384	AM	7	8	1.00	Sheared. Elongated qtz grains. Crosscutting glassy qtz veinlets. Strong weathering rind ~3cm.	0.005		0.19	188.5
D916638	600016	5554385	AM	0	1	1.00	Glassy qtz vein with felsic volcanic host rock. Fe carbonate veins have been weathered near surface. Pyrite associated with host rock within veins.	0.038		0.54	50.8
D916639	599017.7	5554943	TC	0	1	1.00	Intensely sheared intermediate(?) volcanic. Weak pervasive silica + moderate to strong pervasive sericite. No mineralization.	<0.005		0.11	42.5
D916640						0.00	QA/QC	>10.0	15.8	2.08	68.1
D916641	599017.7	5554944	TC	1	2	1.00	Intensely sheared intermediate (possible mafic). Original host completely replaced by alteration. No mineralization.	<0.005		0.08	31.5
D916642	599017.7	5554945	TC	2	3	1.00	Intensely sheared host. Mm scale qtz stringers + qtz blebs present within matrix of alteration. Host completely replaced with alteration.	<0.005		0.11	39.4
D916643	599017.7	5554946	TC	3	3.5	0.50	Intensely sheared host, mylonitic texture - well foliated. Complete replacement of host rock. Fracture-fill epidote alt present.	<0.005		0.09	41.4
D916644	599013.9	5554938	TC	0	1	1.00	Intensely sheared host rock, strong foliation fabric. Mm scale qtz stringers present. Weak patchy epidote + weak fracture-fill chlorite	0.005		0.06	33.4
D916645						0.00	QA/QC	<0.005		0.07	84.1
D916646	599013.3	5554939	TC	1	2	1.00	Intensely sheared, few qtz Porphyroblasts present within foliated texture. Weak laminated epidote + weak pervasive chlorite alt present.	<0.005		0.14	41.9
D916647	598828.4	5554803	TC	0	1	1.00	Intensely sheared intermediate volcanic. Weak laminated epidote, host completely replaced by alteration. No mineralization.	<0.005		0.04	26.4
D916648	598828.7	5554804	TC	1	2	1.00	Intensely sheared host, completely replaced by mica alteration. Patchy hematite present, small mm qtz stringers present.	<0.005		0.03	21.7
D916649	598829.1	5554805	TC	2	3	1.00	Duplicate sample. Intensely sheared with strong foliation fabric. Intense to near complete replacement alteration of host rock, intense patchy iron carb. Small patches of potassic alt. small mm scale qtz blebs.	<0.005		0.03	19.6
D916650	598829.1	5554805	TC	2	3	1.00	Duplicate sample. Intensely sheared with strong foliation fabric. Intense to near complete replacement alteration of host rock, intense patchy iron carb. Small patches of potassic alt. small mm scale qtz blebs.	<0.005		0.07	56.4
F809501	603401.6	5557207	SA	0	1	1.00	Irregular black veinlets of unknown mineral.	8.34		0.04	5.5
F809502	603400.6	5557207	SA	1	2	1.00	Irregular black veinlets of unknown mineral. Host rock has weak fee carbonate associated with cross cutting glassy veins	0.011		0.06	8.3
F809503	603399.7	5557207	SA	2	3	1.00	Irregular black veinlets of unknown mineral that is carbonate rich. Enveloped clast of fee carbonate with alteration rind.	0.021		0.02	20.7
F809504	603398.8	5557208	SA	3	4	1.00	Irregular black veinlets of unknown mineral that is carbonate rich.	0.013		0.01	3.8
F809505						0.00	QA/QC	>10.0	15.85	1.85	69.8
F809506	603397.8	5557208	SA	4	4.5	0.50	Irregular black veinlets of unknown mineral that is carbonate rich. Mineralization part of wall rock	0.044		0.15	152.5
F809507	603397.3	5557208	SA	4.5	5.5	1.00	Irregular black veinlets of unknown mineral that is carbonate rich. Mineralization in host rock. Carbonate seems to be associated with clear glassy portions of the vein. Fe carbonate elongated clasts.	>10.0	51.5	1.38	826
F809508	603396.4	5557209	SA	5.5	6.5	1.00	Irregular black veinlets of unknown mineral that is carbonate rich.	5.73		0.82	287
F809509	603395.5	5557209	SA	6.5	7.5	1.00	Irregular black veinlets of unknown mineral that is carbonate rich. Patchy Fe carbonate blebs associated with crosscutting clear glassy qtz veins.	0.09		0.04	78.8
F809510						0.00	QA/QC	0.005		0.06	74.4
F809511	603394.5	5557209	SA	7.5	8.5	1.00	Irregular black veinlets of unknown mineral that is carbonate rich. Unevenly distributed carbonate alteration	5.4		0.03	2.2
F809512	603393.6	5557210	SA	8.5	9.5	1.00	Glassy white quartz.	<0.005		0.01	1.3
F809513	603401.9	5557206	SA	0	1	1.00	Fe carbonate on crosscutting vein margins.	<0.005		0.03	37.1
F809514	603402.4	5557207	SA	1	1.5	0.50	Irregular black veins of unknown mineral.	<0.005		0.01	3.3
F809515	603402.4	5557207	SA	1	1.5	0.50	Irregular black veins of unknown mineral.	<0.005		0.01	2
F809516	603402.6	5557207	SA	1.5	2.5	1.00	Fe carbonate alteration associated with qtz vein. Very fine grained pyrite in gabbro.	0.007		0.05	60.2
F809517	598011.1	5553910	TC	0	1	1.00	Mafic volcanic, small mm sericite stringers.	<0.005		0.03	11.2
F809518	597996.1	5553914	TC	0	1	1.00	Sheared mafic volcanic, small mm ankerite + sericite stringer veins. 1 cm qtz hem vein present. No mineralization.	<0.005		0.07	93.4
F809519	597995.7	5553915	TC	1	2	1.00	Moderately sheared mafic volcanic. Small mm qtz stringers + blebs present with 1% blebby pyrite within qtz.	<0.005		0.06	96.5
F809520						0.00	QA/QC	NSS		92	3120
F809521	597987.3	5553908	TC	0	1	1.00	Moderately to strongly sheared mafic. Foliated texture present, small qtz stringers present with trace disseminated pyrite.	0.005		0.1	111.5
F809522	597962.3	5553898	TC	0	1	1.00	Strongly sheared mafic volcanic. Foliated texture. Few mm qtz stringers with trace diss pyrite.	<0.005		0.09	105

CHANNEL PROGRAM - QAQC

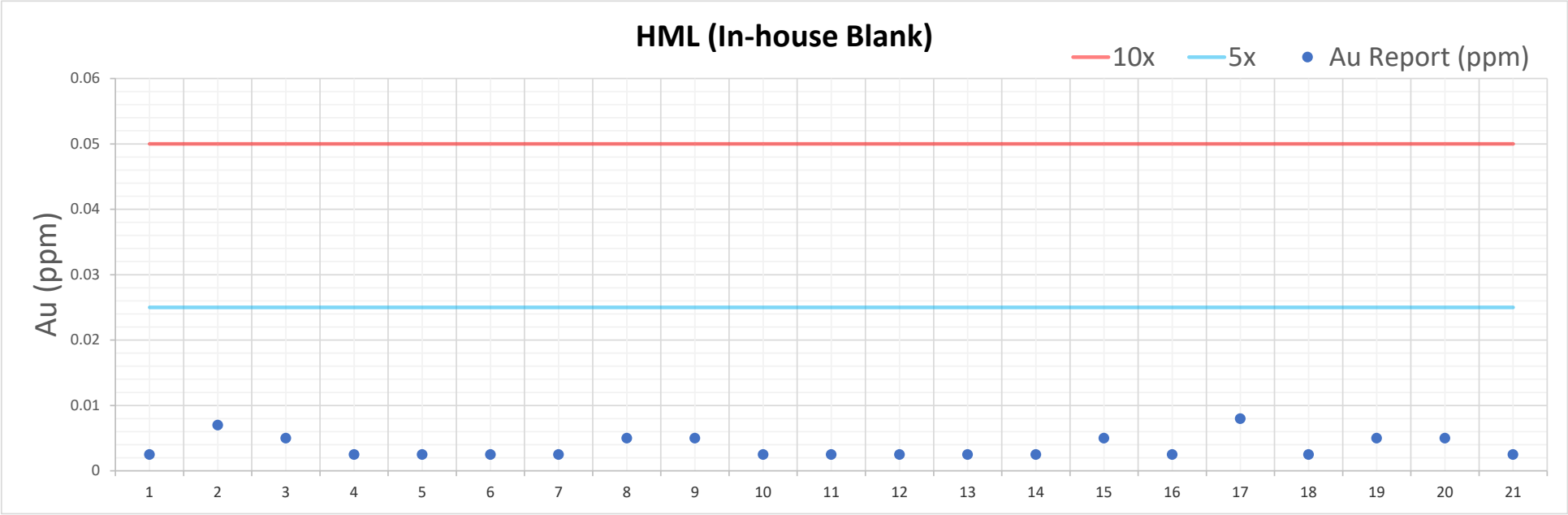








CONTROL CHARTS – CHANNEL SAMPLING PROGRAM



CONTROL CHART – CHANNEL SAMPLING PROGRAM (In-House Blank)

APPENDIX IV – ANALYTICAL CERTIFICATES

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 15-NOV-2022
Account: HMLHKDXF

CERTIFICATE TB22302757

Project: Drayton-Black Lake

This report is for 130 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 21-OCT-2022.

The following have access to data associated with this certificate:

STEVE KING	PETER SCHLOO	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	
Au-AA24	Au 50g FA AA finish	AAS

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

Signature:

Saa Traxler, Director, North Vancouver Operations

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Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22302757

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
D909444		2.53	<0.005		0.11	7.70	0.4	40	0.38	0.15	7.81	0.12	9.76	74.3	102	0.74
D909445		0.11	>10.0	NSS	2.30	6.77	300	170	1.01	0.68	3.12	0.26	29.0	19.9	63	12.10
D909446		3.86	<0.005		0.10	7.83	0.6	160	0.54	0.21	6.67	0.11	13.40	46.5	74	1.12
D909447		4.98	<0.005		0.07	8.48	0.9	410	0.96	0.04	3.27	0.04	22.9	11.7	9	1.22
D909448		2.66	<0.005		0.07	8.33	0.5	380	0.91	0.07	3.61	0.05	21.9	19.6	14	1.28
D909449		2.07	<0.005		0.12	7.28	1.1	40	0.38	0.17	7.49	0.15	11.55	55.3	71	0.25
D909450		1.48	<0.005		0.07	7.53	<0.2	90	0.47	0.14	7.18	0.13	19.35	40.9	174	0.42
D909451		2.62	0.005		0.10	7.29	0.7	30	0.34	0.09	7.45	0.16	11.10	54.5	88	0.15
D909452		3.26	<0.005		0.15	7.79	0.5	30	0.39	0.09	7.42	0.13	11.05	55.5	95	0.24
D909453		2.89	>10.0	21.9	>100	6.15	<0.2	2540	0.43	4.12	5.26	16.65	9.01	51.8	77	0.87
D909454		2.55	0.028		0.41	7.68	<0.2	30	0.37	0.07	6.84	0.18	11.65	57.3	86	0.24
D909455		1.17	6.05		14.55	5.58	0.9	80	0.50	0.83	3.39	0.19	5.47	64.4	177	1.38
D909456		0.80	2.42		4.52	5.16	0.6	50	0.43	0.43	3.32	0.15	5.03	66.8	166	1.08
D909457		2.48	0.407		0.97	6.84	1.2	70	0.63	0.26	4.91	0.15	5.76	79.6	176	1.54
D909458		2.45	0.063		0.27	6.70	0.7	40	0.43	0.16	5.86	0.12	5.94	86.3	188	0.69
D909459		2.80	9.46		25.7	6.22	0.7	70	0.46	0.27	4.44	0.21	6.15	61.1	172	1.49
D909460		0.11	1.645		95.9	6.73	361	490	0.95	3.85	3.44	30.9	28.9	26.0	59	1.66
D909461		2.90	1.070		2.40	3.82	1.7	140	0.44	0.69	2.39	0.22	9.26	45.1	74	1.26
D909462		2.99	1.180		4.47	5.43	0.4	140	0.52	3.11	1.93	0.21	27.0	72.6	37	1.02
D909463		1.49	0.296		0.55	6.36	0.5	420	0.79	0.11	2.50	0.08	19.65	58.1	12	2.00
D909464		1.30	1.990		3.61	4.58	1.0	340	0.74	0.31	3.14	0.17	17.25	51.3	8	1.56
D909465		1.03	0.007		0.08	7.56	<0.2	120	0.52	0.11	6.75	0.13	21.7	36.7	154	0.51
D909466		1.38	0.306		1.27	5.46	1.3	1330	1.22	0.79	4.37	0.31	16.25	79.3	7	1.31
D909467		0.97	1.895		25.6	0.77	9.7	30	0.08	4.26	0.82	75.0	1.73	23.3	36	0.20
D909468		0.72	0.230		1.56	7.08	1.8	140	0.52	0.82	1.68	2.78	3.27	78.4	210	1.31
D909469		1.02	0.461		0.97	7.99	1.5	380	0.80	0.37	3.71	0.79	5.57	55.3	172	1.31
D909470		1.22	>10.0	28.1	94.3	0.26	1.3	10	<0.05	29.7	0.34	30.8	0.81	34.8	33	0.05
D909471		1.10	>10.0	10.20	51.2	0.17	1.5	10	<0.05	12.65	0.23	18.00	0.47	18.0	26	<0.05
D909472		1.30	0.250		1.20	7.77	1.4	100	0.24	1.16	6.87	0.62	5.90	95.8	178	0.71
D909473		0.84	0.021		0.15	8.10	0.5	50	0.27	0.32	5.22	0.10	3.62	80.6	179	0.60
D909474		1.81	0.121		0.53	3.96	<0.2	60	0.29	0.44	1.84	0.03	2.01	56.0	97	0.83
D909475		0.11	0.535		0.40	7.23	4.6	840	1.01	1.28	1.79	0.07	28.6	5.9	14	0.51
D909476		1.42	0.013		0.05	7.68	1.1	60	0.19	0.05	5.55	0.10	3.15	62.6	162	0.53
D909477		1.70	0.059		0.37	6.52	1.5	290	0.75	0.91	6.37	0.14	2.39	51.9	179	2.80
D909478		2.00	0.135		2.80	6.50	2.7	150	0.51	4.19	6.59	0.55	7.68	40.3	153	0.98
D909479		1.57	0.044		0.60	7.27	1.0	270	0.59	1.62	4.34	0.16	3.30	73.3	213	1.88
D909480		1.02	0.005		0.12	7.58	<0.2	90	0.45	0.15	7.18	0.14	19.15	41.0	165	0.35
D909481		2.00	0.035		0.23	7.96	1.2	200	0.46	0.92	1.01	0.08	6.58	65.4	232	1.06
D909482		5.71	0.735		0.19	7.49	2.5	100	0.37	0.32	5.60	0.10	3.57	55.6	195	1.52
D909483		7.91	0.010		0.10	7.85	2.4	30	0.18	0.61	7.71	0.12	3.78	59.9	190	0.50

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

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To: HERITAGE MINING LTD.
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TORONTO ON M5V 3X4

Finalized Date: 15-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22302757

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
D909444		84.8	9.40	19.30	0.11	1.1	0.062	0.26	4.0	8.8	3.60	1660	1.00	1.31	3.2	75.0
D909445		70.2	5.63	19.55	0.14	2.0	0.071	1.98	13.2	54.7	1.50	713	508	1.11	6.0	38.1
D909446		45.1	7.06	20.4	0.13	1.2	0.051	0.54	5.6	11.1	2.59	1200	1.95	2.03	2.8	56.9
D909447		19.8	1.64	22.7	0.13	2.0	0.017	0.98	9.2	18.4	0.63	230	0.17	3.66	1.8	12.8
D909448		26.5	2.31	22.4	0.13	1.9	0.021	0.81	8.8	14.3	0.80	335	0.19	3.62	2.2	15.7
D909449		133.0	9.42	20.7	0.12	1.2	0.072	0.20	4.7	7.5	3.14	1565	0.80	1.12	3.7	62.3
D909450		76.5	7.91	17.95	0.12	1.1	0.062	0.29	7.3	15.5	3.05	1080	1.00	1.78	3.9	133.5
D909451		109.5	9.19	19.45	0.11	1.4	0.072	0.13	4.5	7.7	3.27	1540	0.29	1.04	3.5	69.9
D909452		99.8	9.92	18.00	0.07	1.1	0.071	0.13	4.1	8.5	3.63	1615	0.61	1.17	3.5	75.7
D909453		515	8.14	14.40	0.07	1.0	0.183	0.35	3.5	9.3	2.75	1275	2.08	1.78	2.8	53.9
D909454		126.0	9.70	18.55	0.07	1.2	0.066	0.12	4.2	9.4	3.43	1575	0.45	1.26	3.6	67.0
D909455		116.5	8.54	13.25	0.07	0.4	0.055	0.61	1.8	19.3	2.70	1285	16.20	2.13	1.3	85.7
D909456		85.3	7.52	13.50	0.06	0.3	0.051	0.45	1.6	16.2	2.38	1200	12.45	2.01	1.2	79.8
D909457		151.0	8.73	18.45	0.06	0.4	0.075	0.59	1.8	22.0	3.09	1395	3.24	2.01	1.5	96.4
D909458		108.5	9.48	15.60	0.06	0.5	0.071	0.26	1.8	19.8	3.51	1605	1.96	1.75	1.6	106.0
D909459		70.6	10.15	14.50	0.07	0.3	0.058	0.51	1.9	29.3	3.26	1570	6.22	2.17	1.1	98.2
D909460		3120	6.64	15.05	0.10	1.7	0.501	1.45	13.5	18.4	1.72	950	163.5	1.76	4.6	141.5
D909461		123.0	4.18	9.70	0.06	0.7	0.026	0.63	3.4	11.5	1.05	755	21.3	2.08	1.4	35.8
D909462		133.5	4.90	12.65	0.07	1.8	0.035	0.87	9.5	11.9	1.22	666	100.5	2.44	5.4	28.9
D909463		135.0	10.45	18.95	0.09	1.6	0.085	0.54	6.5	15.8	2.58	1400	7.57	2.09	5.6	27.2
D909464		137.0	9.64	14.35	0.07	1.8	0.057	0.78	5.9	14.0	1.23	1150	5.26	2.83	5.1	15.6
D909465		75.1	7.47	16.35	0.09	1.4	0.063	0.34	8.1	16.6	2.84	1050	2.96	1.87	4.7	118.5
D909466		139.5	10.85	16.70	0.10	1.6	0.078	1.25	5.8	21.3	1.75	1770	3.80	2.90	2.9	28.7
D909467		2880	2.05	2.01	0.07	0.1	0.238	0.10	1.4	1.5	0.24	200	70.5	0.42	0.1	16.3
D909468		426	9.20	14.10	0.07	0.3	0.050	0.85	3.2	30.9	3.82	1545	4.85	2.28	1.4	129.0
D909469		469	7.70	14.65	0.09	0.3	0.058	1.09	3.1	24.3	3.83	1390	8.55	2.65	1.1	109.0
D909470		2700	1.51	0.67	0.05	<0.1	0.245	0.03	0.5	0.5	0.06	104	4.23	0.13	0.1	12.3
D909471		1795	1.27	0.46	0.06	<0.1	0.164	0.02	<0.5	0.3	0.03	78	2.67	0.09	0.1	9.8
D909472		193.0	8.67	15.75	0.08	0.6	0.056	0.58	2.5	13.7	3.80	1565	8.35	0.94	1.5	135.0
D909473		20.0	6.17	12.70	<0.05	0.4	0.035	0.37	1.4	18.1	4.14	1045	0.80	1.56	0.8	57.0
D909474		59.8	3.32	6.15	0.06	0.2	0.017	0.64	0.7	10.6	1.77	517	98.7	0.85	0.4	21.0
D909475		45.5	2.25	13.70	0.12	2.1	0.031	1.66	13.8	3.1	0.49	649	2.51	3.20	6.2	10.2
D909476		20.2	6.68	12.95	<0.05	0.5	0.033	0.40	1.3	13.6	4.20	1180	0.33	1.82	0.9	49.8
D909477		48.3	6.47	13.70	0.08	0.4	0.044	2.32	0.8	19.9	3.11	1200	14.20	1.78	0.8	123.0
D909478		128.0	5.65	13.50	0.07	0.8	0.044	0.83	3.1	8.7	2.35	1280	27.9	3.87	2.0	98.9
D909479		149.0	7.47	14.65	0.09	0.4	0.058	1.95	1.2	24.1	3.26	1355	22.7	1.47	0.8	136.5
D909480		87.1	7.75	16.40	0.08	1.2	0.057	0.30	6.9	13.6	2.90	1060	0.83	1.85	4.0	133.0
D909481		141.5	8.85	18.50	0.09	0.5	0.057	1.18	1.6	30.1	4.00	1430	11.35	1.67	1.9	144.0
D909482		57.7	7.42	13.80	0.06	0.3	0.046	0.58	1.2	20.7	4.18	1310	6.11	1.60	0.9	138.5
D909483		70.5	7.63	16.70	0.06	0.5	0.050	0.16	1.3	14.2	3.97	1355	6.99	1.09	1.0	138.5

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 15-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22302757

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
D909444		390	6.2	12.3	<0.002	0.03	0.15	36.7	1	0.5	208	0.21	0.05	0.31	0.646	0.06
D909445		650	27.8	47.3	0.035	2.59	16.95	10.8	3	1.3	228	0.34	0.60	1.48	0.255	4.19
D909446		430	5.8	9.9	<0.002	0.05	0.10	25.7	2	0.6	333	0.18	<0.05	0.62	0.493	0.12
D909447		530	7.0	19.8	<0.002	0.02	<0.05	2.7	1	0.6	565	0.12	<0.05	1.26	0.177	0.19
D909448		530	7.0	16.7	<0.002	0.06	<0.05	4.8	1	0.5	536	0.14	<0.05	1.22	0.221	0.18
D909449		440	3.2	4.7	<0.002	0.11	0.11	36.2	1	0.8	235	0.23	0.05	0.36	0.663	0.03
D909450		460	2.6	6.4	<0.002	0.03	0.05	29.6	1	0.8	220	0.25	<0.05	0.94	0.594	0.04
D909451		440	4.8	2.5	<0.002	0.03	0.10	36.2	2	0.6	222	0.22	<0.05	0.34	0.629	<0.02
D909452		430	5.3	3.4	0.003	0.03	0.21	36.5	1	0.7	234	0.23	0.06	0.33	0.670	0.02
D909453		350	4200	11.4	<0.002	0.73	0.35	28.8	1	0.5	277	0.17	71.2	0.27	0.539	0.09
D909454		410	13.2	2.9	<0.002	0.02	0.13	36.7	1	0.7	228	0.23	0.25	0.34	0.676	0.02
D909455		240	63.2	23.2	<0.002	0.97	0.14	35.1	1	0.4	175.5	0.09	10.75	0.11	0.525	0.15
D909456		230	24.4	18.4	<0.002	0.91	0.10	32.5	1	0.4	155.0	0.07	4.02	0.12	0.469	0.12
D909457		270	14.3	22.8	<0.002	0.51	0.13	40.6	1	0.6	176.0	0.10	0.65	0.12	0.575	0.18
D909458		290	8.4	9.0	<0.002	0.29	0.18	43.0	1	0.6	149.0	0.10	0.28	0.12	0.614	0.08
D909459		270	17.4	19.4	<0.002	2.19	0.09	41.2	1	0.5	249	0.08	18.05	0.13	0.476	0.12
D909460		770	3680	42.0	0.130	2.94	230	9.7	10	4.6	326	0.33	0.43	3.12	0.297	3.38
D909461		310	41.0	22.3	0.002	1.14	0.29	14.6	1	0.3	169.5	0.08	2.00	0.28	0.234	0.13
D909462		840	358	28.4	<0.002	1.24	0.20	16.4	1	0.5	186.5	0.33	2.97	0.83	0.436	0.16
D909463		730	17.8	21.9	<0.002	0.67	0.22	31.9	1	0.8	407	0.36	0.32	0.66	0.915	0.16
D909464		690	11.2	24.8	0.002	3.11	0.13	21.4	2	0.8	546	0.33	2.19	0.53	0.797	0.16
D909465		450	3.3	10.2	<0.002	0.03	0.08	27.2	1	0.9	220	0.31	<0.05	1.16	0.571	0.05
D909466		580	139.5	37.9	<0.002	0.83	0.15	36.6	1	0.5	781	0.19	0.77	0.67	0.805	0.22
D909467		30	>10000	3.0	<0.002	2.23	3.83	2.6	17	0.2	71.2	<0.05	24.4	0.04	0.020	0.02
D909468		190	443	9.2	<0.002	0.28	0.23	33.1	2	0.4	141.0	0.09	0.96	0.18	0.381	0.28
D909469		180	57.0	39.8	0.002	0.64	0.30	36.1	1	0.3	427	0.07	0.53	0.21	0.323	0.28
D909470		30	>10000	1.1	<0.002	1.56	2.63	0.9	10	<0.2	31.6	<0.05	78.0	0.03	0.008	<0.02
D909471		10	>10000	0.5	<0.002	1.22	1.63	0.5	7	<0.2	23.6	<0.05	43.2	0.01	0.006	<0.02
D909472		190	176.0	15.0	0.002	0.20	0.24	39.5	1	0.4	119.5	0.10	0.84	0.21	0.378	0.13
D909473		130	30.3	6.6	<0.002	0.01	0.11	37.2	1	0.2	116.5	0.05	0.11	0.20	0.189	0.08
D909474		60	13.2	20.5	0.010	0.31	<0.05	20.0	<1	<0.2	58.6	<0.05	0.47	0.09	0.096	0.11
D909475		470	11.9	38.1	<0.002	0.04	0.77	7.0	1	1.0	203	0.44	0.22	2.82	0.203	0.20
D909476		120	5.1	4.8	<0.002	0.01	0.11	41.7	<1	0.2	109.0	0.06	<0.05	0.13	0.223	0.08
D909477		140	17.0	76.4	<0.002	0.43	0.08	31.9	1	0.3	253	0.05	0.29	0.07	0.269	0.46
D909478		360	404	27.8	<0.002	0.38	0.13	27.1	1	0.3	371	0.13	1.09	0.29	0.315	0.16
D909479		170	14.6	63.2	<0.002	0.39	0.10	35.2	1	0.3	184.5	0.05	0.43	0.10	0.302	0.39
D909480		480	5.9	8.8	<0.002	0.03	0.05	28.4	1	0.8	220	0.24	<0.05	0.82	0.596	0.04
D909481		280	9.3	16.2	<0.002	0.14	0.13	38.4	1	0.5	102.5	0.13	0.22	0.22	0.414	0.28
D909482		170	7.5	26.8	0.002	0.19	0.29	33.8	<1	0.3	211	0.06	0.14	0.11	0.303	0.17
D909483		160	8.7	6.5	<0.002	0.14	0.62	35.5	1	0.4	214	0.07	0.06	0.10	0.315	0.05

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Finalized Date: 15-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22302757

Sample Description	Method / Analyte / Units / LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001
D909444		0.1	276	1.7	20.1	114	32.1		
D909445		0.5	236	68.4	7.0	123	82.9		
D909446		0.2	201	0.8	12.7	94	43.4		
D909447		0.4	31	0.4	3.1	58	79.8		
D909448		0.4	50	0.7	4.4	62	74.0		
D909449		0.1	267	0.6	22.2	113	47.8		
D909450		0.2	204	0.3	19.8	104	42.1		
D909451		0.1	257	0.6	21.7	107	34.9		
D909452		0.1	280	0.6	20.7	111	36.2		
D909453		0.1	226	3.1	15.2	1480	41.3	121	
D909454		0.1	283	0.7	20.7	116	41.1		
D909455		0.1	262	7.0	12.8	99	10.5		
D909456		0.1	225	5.7	12.3	84	8.3		
D909457		<0.1	293	4.5	17.4	105	10.5		
D909458		<0.1	310	3.3	20.1	110	11.2		
D909459		<0.1	274	2.9	15.7	111	9.3		
D909460		2.0	112	12.6	13.7	5760	56.8		
D909461		0.1	105	4.1	5.1	63	34.9		
D909462		0.2	98	6.2	13.6	63	67.5		
D909463		0.2	303	3.8	26.8	114	67.7		
D909464		0.2	240	22.6	10.1	74	72.3		
D909465		0.3	189	0.3	19.9	99	53.0		
D909466		0.2	427	12.5	11.1	97	61.5		
D909467		<0.1	11	1.9	1.5	9070	2.6		1.435
D909468		0.1	239	2.9	7.5	420	10.6		
D909469		<0.1	197	3.8	7.2	122	10.1		
D909470		<0.1	5	1.9	0.7	2630	0.6		1.960
D909471		<0.1	3	0.9	0.4	1540	<0.5		1.015
D909472		<0.1	213	3.1	13.1	127	16.1		
D909473		0.1	132	2.7	8.6	62	12.3		
D909474		<0.1	65	2.5	4.9	38	8.0		
D909475		1.4	37	19.8	19.4	46	66.1		
D909476		<0.1	148	1.2	9.9	67	16.4		
D909477		<0.1	191	2.7	6.2	90	11.5		
D909478		0.1	136	3.4	8.2	127	34.6		
D909479		<0.1	201	3.4	8.0	112	11.8		
D909480		0.2	198	0.3	18.7	100	42.7		
D909481		0.1	236	1.9	9.6	124	13.7		
D909482		<0.1	198	3.0	11.5	95	9.3		
D909483		<0.1	201	1.3	12.7	92	11.9		

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TORONTO ON M5V 3X4

Finalized Date: 15-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22302757

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
D909484		5.09	0.011		0.17	7.95	1.3	50	0.22	0.63	6.03	0.10	3.83	65.2	209	1.01
D909485		3.02	0.006		0.19	8.39	1.8	20	0.16	0.76	7.59	0.12	3.96	69.6	217	0.39
D909486		2.51	0.011		0.15	8.13	1.9	30	0.16	0.74	6.41	0.10	3.69	78.3	218	0.42
D909487		2.40	0.013		0.09	7.78	1.7	60	0.22	0.71	6.34	0.11	4.10	73.7	184	0.66
D909488		3.97	<0.005		0.05	8.04	1.7	10	0.25	0.61	7.30	0.10	4.72	52.8	174	0.27
D909489		2.65	0.011		0.04	7.36	1.1	20	0.29	0.53	5.27	0.08	3.84	72.2	174	0.43
D909490		0.11	5.07		2.64	7.48	96.9	1460	1.07	1.94	3.08	0.49	29.6	15.3	27	1.42
D909491		2.86	0.008		0.14	7.93	1.4	330	0.52	0.49	2.84	0.06	22.0	41.1	72	1.38
D909492		1.51	0.096		0.29	7.64	2.4	370	1.14	0.28	4.90	0.15	5.87	56.8	147	2.83
D909493		2.57	0.121		0.44	2.89	2.0	60	0.21	0.78	1.94	0.07	2.33	27.3	113	0.30
D909494		5.88	0.005		0.06	7.87	0.5	50	0.24	0.31	8.14	0.09	5.36	65.6	149	0.43
D909495		1.35	<0.005		0.06	7.65	<0.2	90	0.49	0.10	6.98	0.10	15.35	30.0	155	0.35
D909496		2.63	0.007		0.13	7.37	1.2	70	0.28	0.49	6.43	0.11	6.29	115.5	160	0.82
D909497		4.29	<0.005		0.06	8.03	1.2	30	0.26	0.31	8.00	0.10	6.20	85.6	147	0.44
D909498		2.22	0.007		0.08	7.97	1.4	230	0.68	0.12	2.63	0.07	16.40	46.9	103	0.67
D909499		3.46	0.008		0.05	7.95	1.5	30	0.26	0.25	7.43	0.08	7.20	68.3	147	0.46
D909500		2.14	0.014		0.07	7.96	1.3	70	0.35	0.22	6.54	0.09	7.64	66.8	144	0.43
D916501		1.94	0.142		0.32	7.89	1.6	130	0.43	0.22	6.63	0.10	8.26	75.4	151	0.64
D916502		2.78	1.170		3.01	5.25	2.2	240	0.63	1.59	3.10	0.35	4.79	106.0	108	2.24
D916503		3.49	0.025		0.27	0.36	0.9	20	0.05	1.06	0.10	0.02	1.08	38.1	31	0.08
D916504		2.34	0.012		0.11	7.59	1.1	70	0.37	0.34	5.17	0.11	8.28	69.3	139	0.70
D916505		0.11	1.785		95.6	6.72	367	650	0.94	3.55	3.50	31.2	31.0	27.0	59	1.74
D916506		6.92	0.005		0.16	7.92	5.3	50	0.41	0.06	6.10	0.11	25.5	40.6	103	0.06
D916507		6.70	0.006		0.17	7.58	2.4	40	0.38	0.03	5.32	0.09	23.0	31.0	102	0.07
D916508		2.11	5.31		25.0	6.06	1.0	480	0.45	0.05	3.60	3.49	17.95	26.1	96	0.29
D916509		2.63	0.021		0.18	7.93	4.2	70	0.50	0.02	5.83	0.09	24.9	33.9	106	0.06
D916510		1.28	<0.005		0.07	7.95	0.4	90	0.47	0.11	7.22	0.12	20.2	40.3	167	0.40
D916511		5.73	<0.005		0.10	7.60	3.2	50	0.42	0.04	6.09	0.09	23.2	34.8	103	0.05
D916512		5.01	0.013		0.13	7.75	1.0	80	0.41	0.02	5.57	0.12	24.5	33.3	100	0.08
D916513		2.18	4.99		23.4	2.61	0.6	280	0.26	0.03	0.83	5.43	5.92	14.6	52	0.17
D916514		2.28	0.007		0.16	7.74	0.6	310	0.52	0.02	3.27	0.11	20.4	30.5	109	0.20
D916515		2.72	0.030		0.19	7.79	0.8	40	0.48	0.03	5.33	0.13	24.8	30.6	103	0.06
D916516		2.56	0.005		0.13	7.83	0.4	50	0.50	0.03	5.90	0.09	21.9	28.3	102	0.06
D916517		1.42	0.775		3.52	3.57	0.6	350	0.36	0.05	1.36	4.64	13.70	22.3	52	0.56
D916518		2.07	1.190		9.06	2.09	1.6	3010	0.70	2.83	1.02	4.30	5.96	8.6	32	1.08
D916519		1.54	0.455		3.67	7.61	1.3	970	0.86	0.04	1.46	0.29	27.2	37.7	83	0.65
D916520		0.13	5.05		3.01	7.77	99.6	1490	1.09	3.69	3.16	0.50	31.3	15.9	28	1.41
D916521		3.74	0.008		0.09	8.28	2.1	310	0.61	0.10	4.20	0.08	24.0	32.0	50	6.28
D916522		3.07	0.006		0.12	8.34	1.8	280	0.59	0.12	4.18	0.08	28.8	32.8	68	4.53
D916523		4.97	0.011		0.21	8.47	2.5	400	0.70	0.24	4.21	0.11	23.8	38.3	57	2.13

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

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 15-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22302757

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
D909484		141.0	8.34	14.50	0.07	0.3	0.050	0.33	1.3	20.2	3.99	1455	7.90	1.38	1.0	151.0
D909485		136.0	8.73	18.25	0.06	0.3	0.049	0.08	1.3	19.8	3.94	1580	3.32	0.67	1.1	159.0
D909486		206	8.71	16.15	0.08	0.3	0.054	0.10	1.3	19.9	3.80	1460	9.73	0.91	1.0	151.0
D909487		154.0	7.91	15.55	0.06	0.4	0.048	0.33	1.4	20.4	3.62	1325	5.97	1.03	1.2	128.0
D909488		108.5	8.49	14.45	0.09	0.4	0.051	0.09	1.7	13.2	3.68	1425	1.56	1.25	1.4	118.5
D909489		68.0	8.45	14.15	0.06	0.2	0.043	0.14	1.4	22.7	3.94	1435	4.00	1.31	1.4	118.0
D909490		5910	5.20	17.80	0.10	0.5	0.117	2.01	15.0	12.5	1.17	788	13.45	2.41	9.0	18.8
D909491		219	6.41	15.25	0.10	2.1	0.049	2.16	8.5	20.6	2.46	943	1.91	1.62	7.5	57.0
D909492		167.5	7.57	17.20	0.09	0.7	0.054	1.91	2.3	21.9	2.85	1330	8.81	3.14	1.8	98.4
D909493		66.1	3.29	5.37	<0.05	0.2	0.015	0.20	0.9	7.2	1.13	611	4.60	0.75	0.7	55.1
D909494		100.5	8.99	14.30	0.06	0.9	0.047	0.33	2.0	8.1	3.77	1540	1.88	0.94	1.6	87.3
D909495		70.4	7.67	12.85	0.07	1.0	0.052	0.32	6.0	12.8	2.91	1055	0.65	1.83	3.2	108.5
D909496		161.0	8.79	16.70	0.09	0.6	0.056	0.51	2.3	12.2	3.52	1470	2.26	1.14	1.9	113.5
D909497		102.5	8.59	16.40	0.06	0.9	0.061	0.30	2.4	8.4	3.47	1480	1.04	1.08	1.7	95.9
D909498		59.0	5.36	17.70	0.09	1.2	0.037	0.66	6.1	16.6	2.25	914	1.37	3.11	1.7	71.0
D909499		90.8	8.80	14.20	0.07	1.1	0.049	0.21	2.7	12.2	3.77	1515	1.26	0.81	1.5	90.8
D909500		77.8	8.69	15.40	0.09	0.6	0.054	0.21	2.7	14.2	3.96	1520	1.84	1.21	1.8	99.9
D916501		117.5	8.72	17.00	0.07	0.7	0.054	0.36	2.8	14.0	3.90	1535	2.26	1.27	1.7	98.6
D916502		303	5.70	13.05	0.08	0.5	0.040	0.93	2.1	11.7	1.84	1045	25.8	2.77	1.4	71.7
D916503		13.6	0.51	0.93	<0.05	<0.1	<0.005	0.06	<0.5	0.7	0.07	85	1.32	0.17	0.1	4.4
D916504		105.0	8.18	14.70	0.08	0.5	0.047	0.42	2.7	19.2	3.79	1435	4.75	1.82	1.6	91.1
D916505		3160	6.62	15.00	0.11	1.6	0.543	1.48	15.4	18.2	1.72	976	165.5	1.74	4.9	140.5
D916506		81.9	6.24	14.90	0.10	1.5	0.058	0.12	11.4	9.9	2.84	1060	0.53	1.88	4.5	76.5
D916507		81.9	6.02	13.40	0.09	1.3	0.050	0.10	10.2	12.1	2.80	1015	0.47	2.15	4.2	71.6
D916508		394	5.02	11.80	0.09	1.0	0.054	1.06	7.2	20.2	2.16	852	1.90	0.87	3.3	50.9
D916509		50.0	6.38	14.30	0.10	1.1	0.047	0.18	10.7	13.0	3.15	1175	0.18	2.17	4.5	74.8
D916510		80.8	8.10	17.35	0.09	1.2	0.066	0.29	8.0	14.7	3.23	1125	0.67	1.88	4.2	137.0
D916511		73.6	6.20	13.65	0.08	1.2	0.052	0.16	10.4	11.6	2.77	1075	0.99	1.95	4.3	71.9
D916512		61.0	6.46	13.95	0.10	0.9	0.052	0.16	10.7	14.8	3.28	1155	0.46	1.89	4.5	80.1
D916513		227	2.39	5.48	0.07	0.6	0.025	0.52	2.5	9.1	1.05	374	4.49	0.50	1.4	22.7
D916514		60.7	6.33	12.40	0.08	1.1	0.044	0.76	8.1	23.3	3.28	1055	0.28	2.16	4.1	71.9
D916515		78.3	6.26	14.05	0.12	1.0	0.050	0.12	10.6	13.6	3.25	1055	0.42	2.16	4.5	95.2
D916516		70.4	6.30	12.80	0.10	0.9	0.046	0.14	9.6	13.7	3.32	1080	0.30	2.10	4.0	65.3
D916517		57.9	3.80	7.67	0.06	1.1	0.035	0.43	5.6	8.7	1.50	603	1.05	1.26	2.5	37.8
D916518		75.1	1.74	5.92	0.08	0.5	0.017	0.78	2.9	5.4	0.64	277	1.52	0.82	1.1	16.6
D916519		90.4	7.35	16.95	0.11	2.4	0.060	1.07	9.5	25.6	2.96	1075	0.73	2.11	6.1	72.3
D916520		6030	5.36	18.20	0.13	0.5	0.126	2.05	16.5	12.5	1.23	812	12.95	2.44	8.8	25.5
D916521		89.7	7.42	15.70	0.13	1.7	0.071	1.15	9.1	18.8	2.29	1470	0.68	3.64	5.5	25.7
D916522		62.1	7.27	18.25	0.13	2.1	0.065	0.84	11.3	19.2	2.38	1170	0.53	3.72	5.5	31.4
D916523		76.6	7.83	17.80	0.12	1.9	0.063	0.59	9.4	18.4	2.14	1235	0.76	3.56	5.4	28.0

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1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 15-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22302757

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
D909484		180	10.2	13.2	<0.002	0.23	0.42	36.3	1	0.4	197.0	0.07	0.10	0.11	0.336	0.10
D909485		180	9.3	1.9	<0.002	0.25	0.45	39.0	1	0.8	201	0.08	0.08	0.11	0.358	0.02
D909486		190	7.7	4.3	<0.002	0.47	0.32	35.8	2	0.7	163.5	0.07	0.09	0.11	0.330	0.03
D909487		190	7.3	10.2	<0.002	0.24	0.34	35.5	1	0.4	216	0.08	0.11	0.11	0.343	0.08
D909488		190	8.4	1.7	0.002	0.16	0.50	36.0	1	0.4	269	0.09	0.08	0.17	0.376	0.03
D909489		200	5.6	1.8	0.002	0.09	0.31	30.6	1	0.3	196.0	0.09	0.08	0.13	0.378	0.07
D909490		950	22.6	51.2	0.026	0.72	4.76	10.0	6	1.8	675	0.45	0.74	3.18	0.315	0.33
D909491		860	8.5	52.4	0.003	0.49	0.11	20.5	1	0.7	107.5	0.46	0.08	1.12	0.585	0.31
D909492		190	10.4	70.3	0.002	0.68	0.08	36.5	1	0.4	334	0.12	0.24	0.27	0.398	0.47
D909493		110	20.3	6.7	0.005	0.28	0.09	11.0	1	<0.2	67.6	<0.05	0.28	0.13	0.152	0.05
D909494		220	4.3	11.8	0.003	0.22	0.17	36.1	1	0.3	167.5	0.11	0.06	0.17	0.422	0.10
D909495		470	2.4	7.7	0.002	0.04	0.05	21.6	<1	0.6	210	0.22	<0.05	0.77	0.586	0.05
D909496		230	9.4	12.3	0.003	0.27	0.19	38.0	1	0.4	151.5	0.12	0.11	0.20	0.416	0.18
D909497		200	6.0	9.9	0.002	0.13	0.23	40.1	1	0.4	168.5	0.12	0.08	0.20	0.419	0.07
D909498		400	12.3	10.8	0.003	0.12	0.13	21.3	1	0.4	317	0.12	0.06	0.81	0.293	0.11
D909499		220	4.9	6.1	0.003	0.10	0.28	34.2	1	0.3	177.5	0.10	<0.05	0.19	0.415	0.05
D909500		220	5.5	6.1	<0.002	0.13	0.24	39.5	1	0.4	172.5	0.11	0.09	0.25	0.434	0.04
D916501		220	6.8	11.3	<0.002	0.21	0.25	39.7	1	0.4	177.5	0.11	0.31	0.27	0.428	0.07
D916502		180	110.0	35.3	<0.002	1.42	0.19	23.1	1	0.3	232	0.07	2.27	0.90	0.252	0.22
D916503		20	9.0	1.7	<0.002	0.06	0.06	1.1	1	<0.2	11.4	<0.05	0.64	0.06	0.011	<0.02
D916504		210	8.8	7.7	<0.002	0.21	0.20	36.1	1	0.4	151.0	0.10	0.18	0.29	0.402	0.11
D916505		780	3650	43.7	0.138	2.94	232	9.7	10	4.7	330	0.34	0.37	3.15	0.301	3.27
D916506		580	7.1	2.1	<0.002	0.08	0.30	37.5	1	0.6	174.5	0.28	<0.05	1.09	0.423	0.03
D916507		570	5.3	1.6	0.002	0.07	0.16	34.6	1	0.6	132.0	0.26	<0.05	1.01	0.415	<0.02
D916508		450	1540	26.9	<0.002	0.13	0.78	28.5	1	0.5	111.0	0.20	16.95	0.81	0.321	0.08
D916509		600	7.9	2.1	<0.002	0.01	0.10	37.8	1	0.6	144.5	0.28	0.09	1.06	0.449	0.02
D916510		510	3.1	7.5	0.002	0.04	0.07	28.8	1	0.8	221	0.27	<0.05	0.95	0.621	0.06
D916511		580	3.3	1.9	0.002	0.05	0.16	36.0	1	0.5	136.5	0.27	<0.05	1.03	0.429	0.02
D916512		620	5.0	2.5	<0.002	<0.01	0.08	36.8	1	0.5	200	0.28	<0.05	1.08	0.447	0.02
D916513		220	914	13.2	<0.002	0.10	0.35	12.1	1	0.2	17.8	0.08	18.95	0.32	0.147	0.04
D916514		620	5.1	12.4	<0.002	0.02	0.05	33.5	1	0.5	100.0	0.26	0.06	0.88	0.443	0.05
D916515		600	5.9	1.6	0.003	0.01	0.10	36.7	1	0.6	248	0.29	0.07	1.07	0.440	0.02
D916516		600	3.2	1.8	<0.002	0.01	0.08	33.8	<1	0.5	259	0.24	<0.05	0.95	0.432	0.02
D916517		310	17.4	16.4	<0.002	0.19	<0.05	19.2	1	0.4	84.1	0.15	2.86	0.70	0.252	0.11
D916518		130	706	27.4	0.002	0.38	0.10	8.7	1	0.3	160.0	0.07	7.84	0.32	0.109	0.14
D916519		710	32.4	24.3	0.005	0.04	0.05	40.3	1	0.8	144.5	0.38	3.12	1.35	0.545	0.14
D916520		980	22.0	55.8	0.022	0.72	4.70	10.4	7	1.8	680	0.46	0.71	3.46	0.328	0.32
D916521		740	3.0	63.3	<0.002	0.19	0.23	37.5	1	0.8	121.5	0.34	<0.05	1.06	0.602	0.43
D916522		750	3.3	46.0	<0.002	0.17	0.34	37.4	1	0.8	151.0	0.33	0.06	1.42	0.554	0.29
D916523		730	5.5	24.5	<0.002	0.39	0.38	36.1	1	0.8	201	0.33	0.14	1.00	0.577	0.14

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Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22302757

Sample Description	Method / Analyte / Units / LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001
D909484		<0.1	208	1.3	12.7	121	7.6		
D909485		<0.1	225	1.7	13.4	161	8.9		
D909486		<0.1	209	1.8	12.1	160	8.1		
D909487		<0.1	204	2.1	12.0	115	8.7		
D909488		0.1	227	0.9	12.6	99	10.8		
D909489		0.1	222	1.9	10.1	111	7.0		
D909490		0.7	123	18.8	11.0	116	15.2		
D909491		0.3	162	1.6	12.8	81	112.0		
D909492		0.1	218	9.2	7.8	114	25.1		
D909493		0.1	77	1.8	3.7	43	5.4		
D909494		0.1	235	1.4	13.2	98	19.4		
D909495		0.2	198	0.2	14.6	100	33.9		
D909496		0.1	235	4.2	14.0	100	15.4		
D909497		0.1	236	2.6	14.4	87	19.8		
D909498		0.3	140	1.4	7.1	77	44.3		
D909499		0.1	231	2.8	12.3	90	16.4		
D909500		0.1	238	1.9	13.4	99	16.9		
D916501		0.1	290	3.6	13.6	102	19.3		
D916502		0.2	139	10.9	6.8	121	17.7		
D916503		<0.1	7	2.2	0.4	5	0.9		
D916504		0.1	228	1.9	12.2	104	13.3		
D916505		1.8	115	25.2	14.1	5840	58.4		
D916506		0.3	192	0.6	18.1	88	59.0		
D916507		0.3	183	0.4	16.0	85	55.1		
D916508		0.2	152	0.9	13.2	357	48.0		
D916509		0.3	194	0.5	17.2	94	43.4		
D916510		0.2	210	0.3	19.4	101	41.8		
D916511		0.3	193	0.7	16.6	83	52.4		
D916512		0.3	192	0.5	17.2	98	34.4		
D916513		0.1	65	0.7	4.8	606	28.5		
D916514		0.2	193	0.8	15.1	97	46.4		
D916515		0.3	189	0.5	17.4	89	36.7		
D916516		0.3	191	0.4	15.4	86	31.8		
D916517		0.2	109	0.7	9.9	525	45.9		
D916518		0.1	51	0.4	3.7	470	22.4		
D916519		0.4	228	1.7	19.9	128	97.5		
D916520		0.8	128	19.4	11.2	125	14.9		
D916521		0.2	214	0.5	24.0	118	68.5		
D916522		0.3	196	0.6	23.3	122	89.5		
D916523		0.3	203	0.9	23.1	116	78.6		

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Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22302757

Sample Description	Method	WEI-21	Au-AA24	Au-GRA22	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.005	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
D916524		4.83	0.006		0.09	8.14	1.1	380	0.65	0.10	3.83	0.06	18.20	32.1	52	4.64
D916525		1.47	<0.005		0.07	7.77	0.6	100	0.48	0.10	6.99	0.13	20.6	38.7	162	0.54
D916526		4.54	0.017		0.11	7.88	3.3	390	0.88	0.21	4.55	0.12	32.4	43.6	145	10.30
D916527		6.00	0.028		0.19	8.22	4.0	290	0.64	0.21	3.95	0.08	24.6	36.8	78	6.15
D916528		4.70	0.090		0.33	7.67	5.6	470	0.92	0.44	5.20	0.16	34.2	43.2	143	10.60
D916529		6.31	0.027		0.16	7.60	2.8	270	0.61	0.15	3.88	0.10	15.55	30.2	53	2.97
D916530		3.01	0.194		1.80	6.51	3.2	360	0.68	1.79	4.22	0.13	20.1	28.8	45	2.00
D916531		2.84	0.261		0.50	5.35	1.5	290	0.53	0.84	3.53	0.11	15.10	21.9	44	2.90
D916532		6.02	0.009		0.11	8.21	2.0	330	0.74	0.12	4.18	0.09	18.00	30.3	52	3.36
D916533		4.84	<0.005		0.12	8.17	1.9	360	0.69	0.16	5.44	0.11	22.7	34.1	51	2.29
D916534		4.47	0.008		0.24	1.26	0.9	80	0.18	0.53	0.07	0.02	2.49	9.2	26	0.07
D916535		0.11	0.532		0.30	7.42	4.2	890	1.08	1.23	1.90	0.06	26.8	5.8	14	0.51
D916536		4.67	0.024		0.73	5.41	1.1	230	0.66	1.17	0.83	0.03	17.45	8.3	14	0.19
D916537		4.99	0.050		0.60	4.40	0.7	170	0.52	0.61	1.06	0.05	17.30	15.2	17	0.12
D916538		2.67	0.014		0.50	4.09	1.0	140	0.49	0.65	0.66	0.03	12.75	15.9	26	0.10
D916539		4.95	0.042		1.04	4.50	1.7	110	0.49	1.63	0.29	<0.02	14.60	9.2	16	0.07
D916540		1.40	<0.005		0.08	8.03	0.6	90	0.49	0.11	7.47	0.13	18.95	43.0	174	0.35
D916541		2.25	<0.005		0.13	7.48	1.2	90	0.69	0.02	6.42	0.12	17.85	55.3	73	0.43
D916542		1.28	0.127		0.59	6.78	1.6	1690	1.01	0.05	6.70	0.33	19.05	47.8	59	6.65
D916543		2.42	0.131		0.59	6.87	2.2	1680	1.03	0.07	6.44	0.32	16.75	50.3	68	6.76
D916544		1.97	<0.005		0.18	7.67	2.0	60	0.53	0.03	5.62	0.11	19.60	54.2	77	0.13
D916545		2.33	0.013		0.10	8.08	1.3	50	0.52	0.02	5.69	0.08	19.95	51.2	80	0.12
D916546		2.48	0.005		0.21	7.68	1.3	110	0.62	0.02	6.25	0.12	21.0	53.4	71	0.37
D916547		1.45	0.023		0.37	7.44	1.4	190	0.49	0.17	4.79	0.48	18.05	53.7	76	0.76
D916548		1.81	0.255		0.45	7.72	1.9	430	0.50	0.09	2.68	0.19	23.1	60.5	76	1.33
D916549		2.03	0.021		0.17	7.87	1.8	200	0.48	0.05	1.93	0.31	22.6	46.8	89	0.72
D916550		0.11	>10.0	15.75	1.88	7.24	332	190	1.13	0.73	3.33	0.23	28.8	21.7	57	13.00
D916551		2.28	0.008		0.26	7.78	1.9	90	0.56	0.03	5.61	0.07	15.10	49.4	81	0.22
D916552		1.80	>10.0	11.15	51.4	4.19	6.0	540	0.51	3.34	2.58	10.90	11.75	36.2	54	1.80
D916553		3.18	0.017		0.25	7.64	1.4	110	0.55	0.03	5.19	0.10	16.95	49.1	80	0.44
D916554		1.94	<0.005		0.02	8.74	2.1	70	0.63	0.06	4.47	0.08	15.75	20.2	3	0.44
D916555		1.17	0.005		0.09	8.22	0.3	100	0.51	0.11	7.50	0.15	20.9	42.0	196	0.41
D916556		1.92	<0.005		0.02	6.85	1.5	30	0.42	0.05	3.21	0.06	13.40	24.3	23	0.30
D916557		3.03	0.010		0.03	6.07	1.1	50	0.37	0.06	2.73	0.05	8.11	21.5	60	0.27
D916558		3.00	<0.005		0.04	7.79	2.5	220	0.56	0.10	1.74	0.06	10.00	15.6	10	0.55
D916559		1.92	0.018		0.02	0.34	1.8	10	0.05	0.03	1.08	0.07	1.64	1.9	27	0.05
D916560		1.12	<0.005		1.26	1.73	3.0	90	0.19	0.32	1.73	0.10	12.50	7.9	110	0.15
D916561		1.18	0.013		0.14	2.93	2.9	140	0.30	0.56	3.87	0.17	16.05	11.6	196	0.20
D916562		1.86	<0.005		0.02	0.10	2.5	<10	<0.05	0.01	0.25	0.03	0.48	0.6	26	0.05
D916563		3.09	0.026		0.11	5.64	140.5	160	0.55	0.17	6.53	0.22	59.6	37.8	411	0.21

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

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Finalized Date: 15-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22302757

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
D916524		71.0	7.50	15.60	0.10	1.9	0.063	0.97	6.6	20.1	2.33	1325	0.31	3.98	4.9	25.8
D916525		98.4	7.69	17.15	0.11	1.3	0.056	0.35	8.3	15.3	2.94	1050	0.62	1.83	4.1	127.0
D916526		70.6	8.24	17.75	0.13	2.2	0.740	1.76	12.7	28.8	3.49	1290	0.84	3.22	5.7	120.5
D916527		74.3	7.58	17.40	0.12	2.1	0.064	1.15	9.9	20.5	2.60	1225	0.42	4.20	5.1	51.0
D916528		82.3	7.98	18.80	0.14	2.2	0.062	1.93	13.3	24.5	3.26	1310	0.51	3.32	5.6	118.0
D916529		90.6	6.57	15.30	0.10	2.0	0.058	0.72	6.0	13.4	1.91	1210	0.56	4.81	4.5	24.9
D916530		83.1	6.02	14.95	0.10	1.8	0.048	0.64	8.1	12.7	1.52	1060	3.90	3.42	3.4	22.1
D916531		56.3	4.81	11.45	0.08	1.4	0.037	0.70	6.1	13.2	1.31	877	5.42	2.76	2.9	17.6
D916532		78.1	6.99	16.50	0.09	2.0	0.057	0.77	6.8	19.6	2.14	1320	0.50	4.13	4.8	26.0
D916533		76.7	7.70	19.00	0.10	2.0	0.075	0.66	9.3	20.5	2.13	1555	0.43	3.55	5.5	27.3
D916534		5.3	0.42	2.69	0.05	0.3	<0.005	0.11	1.2	0.3	0.02	63	12.85	0.79	0.2	1.7
D916535		46.6	2.33	13.80	0.10	2.0	0.026	1.80	13.7	3.2	0.51	699	2.18	3.42	5.9	10.7
D916536		8.3	1.12	13.40	0.08	1.5	0.010	0.26	7.7	1.5	0.11	175	47.1	3.95	0.9	5.0
D916537		6.9	1.16	10.70	0.09	1.2	0.010	0.20	7.8	0.7	0.11	168	44.5	3.20	0.9	5.2
D916538		5.6	0.87	9.96	0.07	1.1	0.006	0.15	5.5	1.0	0.07	127	67.0	3.13	0.7	3.9
D916539		5.8	1.07	11.20	0.07	1.1	<0.005	0.11	6.4	0.9	0.02	92	165.5	3.58	0.9	4.4
D916540		67.4	8.48	17.80	0.12	1.2	0.058	0.31	7.6	17.1	3.27	1145	1.00	2.02	4.0	143.5
D916541		120.0	11.85	22.4	0.11	1.5	0.085	0.19	6.6	10.2	3.25	1835	0.60	1.88	4.5	89.9
D916542		187.0	10.85	21.5	0.10	2.5	0.084	3.27	7.1	23.2	2.66	1725	0.55	2.05	4.5	48.7
D916543		158.5	10.50	22.3	0.11	2.5	0.082	3.30	6.1	23.1	2.81	1740	0.89	2.13	4.2	70.6
D916544		135.0	12.25	22.3	0.11	1.3	0.083	0.12	7.8	10.8	3.52	1610	0.32	2.30	4.4	74.9
D916545		101.5	12.45	22.7	0.11	1.0	0.075	0.10	7.8	11.3	3.90	1695	0.27	2.54	4.6	69.6
D916546		138.0	12.05	23.3	0.12	1.7	0.085	0.20	8.3	12.1	3.33	1485	0.29	1.96	4.5	65.0
D916547		140.0	11.65	21.6	0.11	2.5	0.084	0.30	7.1	16.2	3.26	1475	2.95	1.82	4.3	69.9
D916548		187.0	11.55	22.1	0.11	2.3	0.103	0.51	8.3	16.4	2.94	1585	0.52	2.49	4.6	68.9
D916549		131.0	11.00	20.9	0.11	1.5	0.099	0.26	8.4	14.0	3.21	1645	0.84	2.54	4.6	63.4
D916550		70.4	6.19	18.60	0.11	2.1	0.071	2.18	13.3	59.9	1.63	774	546	1.23	5.8	36.1
D916551		172.5	12.30	19.95	0.10	1.3	0.073	0.18	5.7	10.8	3.66	1780	0.66	2.82	3.8	67.7
D916552		499	7.29	12.80	0.08	1.4	0.085	0.72	5.2	9.2	1.72	1005	32.3	1.37	2.4	40.3
D916553		125.5	11.95	20.3	0.10	1.3	0.081	0.21	6.5	12.6	3.31	1540	0.36	1.98	3.9	64.8
D916554		16.2	6.74	22.8	0.11	0.3	0.030	0.15	6.3	12.9	1.24	1260	0.19	2.65	4.3	5.8
D916555		79.4	8.44	16.95	0.10	1.3	0.060	0.34	8.1	15.6	3.43	1210	0.67	1.98	4.3	157.0
D916556		9.9	5.48	17.05	0.09	1.0	0.024	0.05	5.1	8.1	1.48	825	0.12	2.25	2.8	37.2
D916557		27.0	5.41	14.35	0.06	0.2	0.020	0.11	3.5	9.4	1.39	824	1.54	1.95	1.4	37.2
D916558		30.0	4.25	18.35	0.10	0.3	0.015	1.05	4.2	9.8	0.88	783	0.54	2.67	1.5	14.0
D916559		7.3	0.65	1.10	0.06	0.1	<0.005	0.06	0.7	<0.2	0.45	158	0.25	0.04	0.2	14.6
D916560		22.7	1.76	5.42	0.09	0.6	0.016	0.47	5.2	4.2	0.97	256	0.65	0.05	0.7	53.5
D916561		13.1	3.10	8.29	0.07	0.8	0.018	0.79	6.8	7.3	2.35	556	0.46	0.08	0.7	72.8
D916562		20.8	0.35	0.28	0.07	<0.1	<0.005	0.01	<0.5	<0.2	0.11	67	0.12	0.02	0.1	8.6
D916563		22.4	4.98	14.60	0.13	2.0	0.031	0.76	26.8	16.6	5.39	1030	0.37	1.30	1.5	434

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

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 15-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22302757

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
D916524		740	3.3	36.4	<0.002	0.14	0.31	35.8	1	0.7	189.5	0.31	<0.05	0.76	0.595	0.26
D916525		490	2.6	12.1	0.003	0.04	0.09	28.9	1	0.7	216	0.27	<0.05	1.05	0.603	0.04
D916526		1170	3.8	99.1	0.002	0.48	0.26	31.7	1	0.9	264	0.36	0.06	0.71	0.875	0.58
D916527		830	6.4	51.4	0.002	0.61	0.35	37.1	1	0.8	255	0.33	0.09	0.80	0.639	0.36
D916528		1110	7.1	105.5	<0.002	0.90	0.42	30.8	2	0.9	310	0.34	0.24	0.69	0.829	0.63
D916529		670	5.1	21.5	<0.002	0.50	0.25	32.8	1	0.7	272	0.28	0.10	0.57	0.537	0.17
D916530		550	63.4	26.4	0.002	1.80	1.40	28.9	2	0.6	242	0.21	0.61	0.74	0.382	0.15
D916531		460	24.1	34.3	0.003	0.96	0.27	23.9	1	0.5	161.5	0.18	0.28	0.58	0.345	0.20
D916532		680	4.4	28.5	0.005	0.24	0.19	35.7	1	0.7	189.5	0.30	0.08	0.75	0.553	0.20
D916533		740	3.5	18.2	0.003	0.20	0.15	37.7	1	0.8	192.0	0.33	0.07	0.91	0.577	0.11
D916534		80	5.6	2.1	0.002	0.08	0.10	0.4	1	<0.2	48.5	<0.05	0.07	0.15	0.019	<0.02
D916535		510	9.4	38.2	<0.002	0.04	0.74	7.2	1	1.0	214	0.42	0.26	2.85	0.214	0.17
D916536		380	17.8	5.6	0.003	0.54	0.20	1.7	1	0.3	277	<0.05	0.34	0.92	0.066	0.03
D916537		300	13.6	4.1	0.002	0.80	0.17	1.5	1	0.2	250	<0.05	0.15	0.86	0.055	0.02
D916538		290	13.6	3.3	<0.002	0.37	0.15	1.2	1	0.2	227	<0.05	0.10	0.64	0.046	0.02
D916539		320	17.9	2.3	<0.002	0.30	0.20	1.2	1	0.2	199.5	<0.05	0.96	0.72	0.050	<0.02
D916540		510	3.2	5.1	0.003	0.03	0.07	29.5	1	0.8	235	0.28	<0.05	0.97	0.649	0.05
D916541		650	1.9	7.5	0.004	0.10	0.07	34.4	1	0.9	246	0.30	<0.05	0.56	0.957	0.03
D916542		640	7.0	117.5	<0.002	0.51	<0.05	34.1	1	0.9	690	0.30	0.31	0.57	0.941	0.59
D916543		600	4.6	118.0	0.003	0.67	<0.05	32.3	1	0.9	541	0.28	0.29	0.55	0.883	0.60
D916544		640	3.6	2.0	<0.002	0.20	0.14	37.7	1	0.9	255	0.29	0.05	0.57	1.020	0.03
D916545		670	3.4	1.6	0.005	0.11	0.13	39.5	1	0.9	289	0.29	<0.05	0.61	1.025	0.03
D916546		660	3.4	6.7	0.006	0.15	0.12	38.3	1	0.9	294	0.30	0.05	0.58	1.075	0.04
D916547		610	4.0	14.2	0.004	0.30	0.05	35.1	1	0.9	210	0.28	0.21	0.55	0.989	0.08
D916548		630	3.6	27.4	0.005	0.58	<0.05	37.6	2	1.0	205	0.31	0.32	0.79	0.959	0.16
D916549		660	3.2	9.8	0.003	0.36	0.05	39.3	1	0.9	118.5	0.29	0.20	0.74	0.911	0.08
D916550		720	28.4	45.1	0.036	2.84	17.90	11.4	3	1.2	248	0.36	0.53	1.61	0.285	4.00
D916551		640	2.0	3.0	0.005	0.04	0.14	32.9	1	0.9	125.0	0.25	<0.05	0.45	1.045	0.02
D916552		320	787	34.1	0.002	1.79	0.17	19.8	1	0.6	118.5	0.15	34.8	0.31	0.543	0.19
D916553		630	4.1	8.3	0.006	0.12	0.09	32.9	1	0.8	271	0.26	0.10	0.56	1.025	0.06
D916554		1420	2.6	2.4	0.004	0.02	0.26	19.6	1	0.3	553	0.27	<0.05	0.55	0.563	0.04
D916555		490	2.8	7.5	0.005	0.03	0.06	29.9	1	0.8	234	0.28	<0.05	1.04	0.645	0.06
D916556		620	2.0	2.9	0.004	0.01	0.21	16.9	1	1.0	312	0.19	<0.05	0.84	0.409	0.02
D916557		590	1.5	4.9	0.003	0.04	0.13	14.6	1	3.5	283	0.09	<0.05	0.26	0.314	0.03
D916558		1280	1.8	31.9	0.005	0.04	0.11	11.9	1	3.6	317	0.09	<0.05	0.51	0.337	0.16
D916559		30	1.6	2.1	<0.002	<0.01	0.12	2.5	1	1.5	54.7	<0.05	<0.05	0.16	0.014	0.03
D916560		440	2.8	14.9	<0.002	0.01	0.15	5.8	1	5.1	93.3	<0.05	0.05	0.99	0.074	0.07
D916561		380	3.8	23.5	<0.002	0.03	0.12	9.4	1	2.9	226	<0.05	0.09	1.26	0.092	0.11
D916562		20	1.7	0.3	<0.002	<0.01	0.12	0.4	1	4.6	16.4	<0.05	<0.05	0.02	<0.005	<0.02
D916563		1080	5.5	25.9	<0.002	0.01	0.19	16.1	1	0.9	499	0.08	0.06	3.53	0.126	0.12

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CERTIFICATE OF ANALYSIS TB22302757

Sample Description	Method / Analyte / Units / LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001
D916524		0.2	218	0.6	20.1	123	77.5		
D916525		0.2	199	0.3	18.9	96	46.8		
D916526		0.1	198	1.2	12.8	141	90.8		
D916527		0.2	211	2.1	11.4	134	86.2		
D916528		0.2	200	2.7	10.8	138	91.5		
D916529		0.1	202	1.1	7.2	106	78.8		
D916530		0.2	147	2.9	12.2	92	65.4		
D916531		0.2	125	1.5	10.4	83	53.3		
D916532		0.2	210	0.7	14.7	117	78.3		
D916533		0.3	215	0.8	23.3	127	84.0		
D916534		<0.1	5	1.1	0.4	7	10.6		
D916535		1.2	39	17.7	18.1	49	65.0		
D916536		0.2	13	3.6	2.0	21	59.9		
D916537		0.1	11	3.8	1.7	18	46.8		
D916538		0.1	10	3.5	1.5	14	40.5		
D916539		0.1	9	3.4	1.3	14	42.5		
D916540		0.2	214	0.3	19.2	111	45.0		
D916541		0.1	312	0.6	25.6	145	41.9		
D916542		0.2	337	10.5	18.6	154	94.2		
D916543		0.1	318	5.4	16.6	150	99.6		
D916544		0.1	345	0.4	26.6	148	46.9		
D916545		0.1	354	0.5	25.9	154	34.6		
D916546		0.1	367	0.6	27.5	127	55.7		
D916547		0.1	339	1.1	25.4	170	83.0		
D916548		0.2	332	1.2	25.6	147	87.3		
D916549		0.2	324	0.6	24.8	181	58.8		
D916550		0.6	261	65.1	6.8	134	81.9		
D916551		0.1	355	0.5	23.1	157	51.5		
D916552		0.1	182	1.1	14.7	1085	44.8		
D916553		0.2	353	0.9	24.1	141	56.2		
D916554		0.1	20	0.4	8.0	72	8.1		
D916555		0.2	215	0.3	20.3	110	46.6		
D916556		0.2	104	0.5	7.5	53	45.0		
D916557		0.1	98	0.4	4.8	48	7.2		
D916558		0.2	27	0.8	4.3	50	11.4		
D916559		0.1	11	1.5	0.6	6	2.6		
D916560		0.3	60	7.4	1.9	25	26.3		
D916561		0.3	99	8.3	2.3	45	31.5		
D916562		<0.1	3	0.2	0.2	3	0.6		
D916563		0.8	122	4.3	6.9	88	83.2		

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

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 15-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22302757

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
D916564		1.62	0.019		0.15	3.37	42.1	20	0.25	0.32	1.23	0.12	27.0	37.3	395	0.05
D916565		0.11	0.463		0.24	7.61	4.1	880	1.08	0.92	1.91	0.05	20.4	4.4	15	0.39
D916566		1.79	1.675		0.49	1.67	5.8	60	0.15	2.22	2.10	0.18	17.95	20.2	197	0.15
D916567		1.46	0.333		0.29	7.94	41.9	230	0.57	3.14	4.60	0.41	41.9	119.5	1020	0.53
D916568		1.48	1.580		0.09	1.92	1.6	80	0.25	0.74	3.88	0.27	20.0	12.3	222	0.10
D916569		1.52	<0.005		0.03	6.46	3.0	80	0.47	0.08	2.15	0.21	101.5	17.2	82	0.11
D916570		1.09	0.005		0.06	8.04	0.3	110	0.54	0.11	7.22	0.14	22.7	38.8	164	0.48
D916571		1.93	0.015		0.05	6.53	4.6	60	0.47	0.15	1.91	0.18	119.0	22.0	35	0.10
D916572		2.55	<0.005		0.07	8.51	14.4	70	0.41	0.07	7.09	0.20	9.63	31.2	155	0.33
D916573		3.81	<0.005		0.01	2.22	4.2	10	0.27	<0.01	3.19	0.08	4.22	5.9	45	0.17

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Finalized Date: 15-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22302757

Sample Description	Method / Analyte / Units / LOD	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
D916564		3.7	3.60	7.46	0.09	0.9	0.016	0.05	12.5	10.4	3.62	570	0.20	0.73	0.7	473
D916565		36.0	2.33	10.10	0.09	1.6	0.027	1.79	9.8	3.0	0.51	697	1.79	3.42	4.8	8.2
D916566		14.9	2.09	5.71	0.10	0.3	0.015	0.31	7.5	4.6	1.48	464	0.42	0.08	0.6	191.5
D916567		12.4	8.57	26.5	0.15	1.7	0.043	1.61	18.4	25.2	5.01	1875	0.92	0.38	1.4	1080
D916568		39.4	2.58	5.32	0.09	0.7	0.010	0.21	8.2	4.0	2.34	782	0.38	0.13	0.4	227
D916569		18.4	3.23	15.80	0.20	4.5	0.025	0.23	45.5	11.2	1.94	692	0.13	3.81	6.8	125.5
D916570		81.2	7.97	16.40	0.11	1.5	0.064	0.35	8.9	14.5	2.98	1135	1.05	2.04	4.7	125.5
D916571		21.1	3.22	13.70	0.22	3.7	0.020	0.22	55.9	10.6	1.70	525	0.16	3.47	3.5	62.7
D916572		24.4	13.50	18.65	0.09	2.4	0.099	0.20	4.4	2.8	1.99	3000	0.26	0.11	2.2	118.5
D916573		0.7	4.02	4.64	0.06	0.5	0.020	0.01	1.9	<0.2	0.72	1120	0.16	0.02	0.5	15.7

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TORONTO ON M5V 3X4

Finalized Date: 15-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22302757

Sample Description	Method / Analyte / Units / LOD	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02
D916564		510	8.7	1.3	<0.002	<0.01	0.11	9.4	1	0.4	134.0	<0.05	<0.05	1.45	0.082	<0.02
D916565		500	7.3	30.1	<0.002	0.04	0.59	5.4	1	0.8	208	0.36	0.24	2.20	0.214	0.12
D916566		170	4.5	10.8	<0.002	<0.01	0.13	5.6	1	1.6	113.5	<0.05	0.48	0.91	0.038	0.07
D916567		950	6.8	47.0	<0.002	<0.01	0.15	22.1	1	2.4	295	0.06	0.31	2.83	0.112	0.33
D916568		410	4.2	6.9	<0.002	<0.01	0.13	7.3	1	2.4	192.5	<0.05	0.07	1.27	0.043	0.04
D916569		1790	3.9	6.1	<0.002	0.01	0.20	7.1	1	1.3	237	0.38	<0.05	6.03	0.354	0.03
D916570		530	2.8	8.8	<0.002	0.03	0.06	28.2	1	1.1	237	0.33	<0.05	1.25	0.628	<0.02
D916571		1850	4.3	5.9	<0.002	0.03	0.16	7.1	1	0.9	230	0.18	<0.05	7.73	0.188	<0.02
D916572		270	2.5	7.0	<0.002	0.20	3.07	31.5	1	0.6	48.6	0.17	0.05	1.23	0.370	0.05
D916573		80	0.7	0.6	<0.002	<0.01	1.06	7.2	1	0.2	17.8	<0.05	<0.05	0.38	0.053	<0.02

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1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 15-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22302757

Sample Description	Method / Analyte / Units / LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001
D916564		0.3	86	2.9	3.0	72	37.9		
D916565		1.1	39	15.2	13.6	49	49.2		
D916566		0.1	48	7.4	1.8	33	13.2		
D916567		0.6	209	16.4	6.5	133	68.3		
D916568		0.3	51	3.0	3.0	54	31.6		
D916569		1.2	71	9.5	9.5	87	192.0		
D916570		0.2	204	0.3	20.3	110	54.0		
D916571		1.4	67	6.0	11.0	62	151.5		
D916572		0.3	221	0.8	6.7	102	86.0		
D916573		0.1	41	0.2	2.0	30	18.2		

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Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22302757

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method:	NSS is non-sufficient sample. ALL METHODS
Applies to Method:	REEs may not be totally soluble in this method. ME-MS61

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

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

Applies to Method:	Ag-OG62	Au-AA24	Au-GRA22	ME-MS61
	ME-OG62	Pb-OG62		

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Finalized Date: 17-NOV-2022
Account: HMLHKDXF

CERTIFICATE TB22307602

Project: Drayton-Black Lake

This report is for 99 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 25-OCT-2022.

The following have access to data associated with this certificate:

STEVE KING	PETER SCHLOO	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM

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

Signature:

Saa Traxler, Director, North Vancouver Operations

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Finalized Date: 17-NOV-2022
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Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22307602

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
D916574		2.08	<0.005		0.02	3.68	4.3	20	0.23	0.01	7.33	0.18	11.65	19.1	97	0.19
D916575		1.86	0.011		0.06	5.04	18.3	30	0.24	0.15	8.02	0.23	9.82	35.8	68	0.19
D916576		1.77	0.006		0.05	5.46	8.5	20	0.33	0.08	6.55	0.17	8.02	28.8	51	0.16
D916577		2.18	<0.005		0.01	4.77	5.0	20	0.35	0.01	1.44	0.13	5.17	30.7	43	0.20
D916578		1.94	0.012		0.07	4.82	11.4	30	0.34	0.09	2.69	0.13	13.30	39.8	30	0.21
D916579		2.26	0.013		0.26	4.17	23.8	20	0.06	0.19	3.17	0.15	14.80	47.1	41	0.12
D916580		0.11	1.500		89.2	6.38	361	200	0.91	3.94	3.44	33.1	32.4	28.4	59	1.88
D916581		1.45	0.005		0.07	2.73	9.1	10	0.24	0.05	6.82	0.20	8.27	35.9	30	0.16
D916582		3.00	0.114		0.66	4.49	131.0	90	0.26	0.25	2.80	0.16	16.35	18.2	56	0.31
D916583		4.42	0.007		0.05	5.33	69.5	110	0.34	0.02	4.21	0.17	25.2	26.3	86	0.54
D916584		3.76	0.011		0.11	4.86	36.2	60	0.12	0.05	4.04	0.19	14.10	11.1	38	0.27
D916585		0.94	<0.005		0.12	7.78	0.7	90	0.40	0.13	7.23	0.16	18.00	40.0	165	0.51
D916586		3.34	0.054		0.17	5.48	119.5	100	0.37	0.07	2.39	0.19	17.00	19.8	60	0.40
D916587		2.24	0.050		0.09	5.35	90.2	120	0.35	0.06	2.24	0.17	15.85	20.5	138	0.43
D916588		0.76	0.040		0.11	5.79	167.0	170	0.45	0.05	0.83	0.11	16.70	29.2	536	0.63
D916589		1.77	0.029		0.03	5.09	56.0	120	0.33	0.02	4.63	0.24	16.10	16.3	155	0.49
D916590		1.09	0.096		0.05	6.01	84.5	110	0.32	0.03	2.80	0.20	18.45	12.5	37	0.44
D916591		0.88	0.022		0.03	7.05	49.5	270	0.71	0.03	2.05	0.24	20.9	21.1	190	0.77
D916592		2.31	0.261		0.07	5.03	56.3	60	0.20	0.03	3.38	0.24	15.20	11.4	42	0.40
D916593		2.26	0.058		0.04	3.77	33.8	50	0.18	0.02	5.26	0.29	10.95	10.8	14	0.33
D916594		1.89	0.019		0.16	9.43	82.6	310	0.69	0.04	1.10	0.15	16.65	52.7	175	0.85
D916595		0.11	1.820		>100	7.01	386	680	0.95	4.41	3.64	36.2	32.2	30.1	61	1.82
D916596		3.94	0.039		0.29	8.77	84.2	300	0.79	0.06	2.09	0.15	15.95	51.6	170	0.71
D916597		2.57	0.052		0.09	7.54	37.2	310	0.90	0.06	1.34	0.10	22.9	18.4	81	0.67
D916598		2.23	0.009		0.06	6.92	15.0	210	0.89	0.04	1.23	0.12	24.2	9.9	18	0.46
D916599		3.46	0.009		0.04	6.68	11.9	140	0.78	0.04	1.45	0.09	18.90	11.7	62	0.29
D916600		0.86	<0.005		0.06	8.16	0.7	110	0.52	0.12	7.19	0.13	18.75	38.0	174	0.34
D916601		3.68	0.008		0.05	6.12	19.9	50	0.13	0.03	1.78	0.13	20.4	13.7	41	0.12
D916602		2.94	0.030		0.16	7.67	102.5	260	0.75	0.05	1.44	0.16	16.45	36.3	154	0.88
D916603		2.36	0.452		0.61	4.29	1070	100	0.30	0.06	1.99	0.14	20.0	30.1	465	0.40
D916604		5.40	<0.005		0.10	3.16	139.0	120	0.63	0.05	8.11	0.10	28.2	133.0	1670	0.71
D916605		2.79	<0.005		0.08	2.22	79.6	140	0.65	0.04	12.35	0.13	18.05	80.1	1140	0.87
D916606		2.37	<0.005		0.06	2.08	75.6	100	0.50	0.03	13.15	0.14	18.55	80.5	1035	0.74
D916607		3.21	<0.005		0.09	1.74	54.0	120	0.53	0.03	12.20	0.08	14.90	58.8	892	0.79
D916608		3.95	<0.005		0.08	1.93	62.2	120	0.62	0.03	13.20	0.10	16.50	70.1	996	0.72
D916609		4.21	<0.005		0.07	2.10	64.2	170	0.72	0.02	12.20	0.11	17.85	71.2	1035	0.77
D916610		0.11	>10.0	15.95	2.24	7.51	314	260	1.08	0.73	3.26	0.24	34.5	20.9	57	13.75
D916611		3.31	0.005		0.10	3.00	110.0	140	0.60	0.02	7.64	0.11	23.1	98.8	1645	0.68
D916612		5.33	<0.005		0.11	3.04	105.0	160	0.68	0.02	7.77	0.11	24.4	98.5	1645	0.75
D916613		4.70	<0.005		0.12	3.44	148.0	20	0.43	0.02	5.48	0.09	24.1	149.0	1915	0.20

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Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22307602

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
D916574		1.3	8.59	9.33	0.07	1.1	0.036	0.06	5.4	3.1	1.88	2680	0.24	0.05	1.0	60.8
D916575		11.4	11.70	13.10	0.07	1.4	0.058	0.08	4.8	4.2	2.40	3170	0.29	0.04	1.1	98.4
D916576		3.2	11.00	13.90	0.07	1.3	0.058	0.03	4.0	2.7	1.90	2920	0.38	0.02	1.1	61.7
D916577		4.8	7.19	12.05	0.05	1.0	0.046	0.02	2.6	0.4	0.45	1615	0.23	0.02	0.6	40.1
D916578		63.7	8.16	12.10	0.06	1.4	0.040	0.04	6.5	2.0	0.85	1805	0.31	0.02	0.8	40.7
D916579		448	12.35	11.10	0.08	1.5	0.024	0.02	7.3	14.3	1.66	2500	0.30	0.01	0.7	73.8
D916580		3000	6.53	16.25	0.13	1.7	0.567	1.44	15.6	18.2	1.74	931	167.0	1.73	5.4	141.5
D916581		5.3	8.38	7.29	0.06	0.9	0.028	0.03	3.8	1.3	1.77	3310	0.51	0.03	0.6	40.7
D916582		42.5	17.75	12.20	0.08	1.3	0.017	0.06	8.4	22.8	1.23	4690	0.88	0.13	0.6	59.2
D916583		43.6	13.25	13.45	0.09	1.6	0.033	0.12	11.3	27.2	1.72	4030	0.77	0.36	1.8	98.7
D916584		13.0	16.15	10.95	0.13	1.1	0.015	0.02	7.9	26.2	1.55	5750	1.42	0.05	0.5	39.3
D916585		137.5	7.82	16.70	0.12	1.1	0.059	0.32	8.0	14.0	3.09	1100	1.53	1.71	3.7	131.5
D916586		26.2	14.70	13.05	0.13	1.6	0.017	0.11	9.2	26.9	1.22	4130	0.66	0.23	0.7	77.7
D916587		46.8	13.75	12.20	0.11	1.5	0.022	0.16	8.5	26.4	1.22	3810	0.51	0.29	0.5	114.0
D916588		74.8	12.00	13.25	0.10	1.6	0.021	0.29	8.9	26.0	0.98	2050	0.60	0.46	0.4	130.5
D916589		18.1	13.75	11.65	0.11	1.3	0.021	0.17	8.7	26.9	1.76	5280	0.19	0.29	0.6	63.4
D916590		24.0	15.50	13.60	0.12	1.5	0.020	0.15	10.1	31.4	1.59	4320	0.25	0.27	0.6	60.1
D916591		20.4	12.60	15.45	0.12	1.7	0.023	0.39	11.4	30.1	1.29	4160	0.21	0.64	0.7	72.2
D916592		31.0	15.50	10.90	0.11	1.1	0.016	0.07	8.1	28.7	1.70	5000	0.14	0.14	0.4	56.0
D916593		20.5	13.35	8.38	0.10	0.8	0.017	0.05	5.9	21.6	1.73	6290	0.17	0.11	0.4	31.3
D916594		88.1	9.46	20.6	0.11	1.9	0.074	0.51	7.3	36.4	0.64	3590	0.31	1.56	1.1	145.0
D916595		3160	6.81	15.95	0.15	1.8	0.556	1.51	15.6	19.4	1.79	997	172.0	1.80	5.4	152.0
D916596		77.3	10.15	18.50	0.11	1.7	0.062	0.56	6.9	30.2	0.73	3400	0.82	1.37	1.0	186.5
D916597		28.0	10.95	18.50	0.10	2.1	0.025	0.57	12.0	25.1	0.80	3030	0.32	0.78	0.8	80.4
D916598		10.6	13.05	17.05	0.13	1.9	0.018	0.35	13.2	25.8	0.91	4320	0.29	0.56	0.6	41.2
D916599		8.1	14.60	14.05	0.11	1.7	0.015	0.18	10.2	29.1	1.14	4040	0.30	0.35	0.6	60.8
D916600		65.6	8.36	15.70	0.10	1.2	0.057	0.34	8.2	17.0	3.21	1200	0.51	1.99	4.0	128.5
D916601		27.0	18.70	14.60	0.14	1.6	0.023	0.01	10.6	24.8	1.41	5530	0.51	0.02	0.6	66.6
D916602		53.7	12.95	18.65	0.13	2.0	0.044	0.53	7.9	23.9	0.72	4550	1.25	0.94	0.9	124.5
D916603		76.4	17.80	12.40	0.14	1.7	0.023	0.18	10.8	16.4	0.77	5620	0.71	0.27	0.6	140.5
D916604		244	7.72	10.05	0.11	1.7	0.058	0.28	12.5	23.6	3.72	1695	0.41	0.47	2.1	1660
D916605		164.0	7.77	6.60	0.09	1.2	0.039	0.35	8.0	12.2	4.89	1495	0.17	0.42	1.8	714
D916606		97.7	7.67	6.70	0.09	1.2	0.036	0.26	7.9	16.9	5.82	1135	0.12	0.31	2.1	740
D916607		222	6.46	5.26	0.08	0.9	0.048	0.33	6.2	9.2	4.85	1610	0.12	0.27	1.5	630
D916608		154.0	6.52	6.16	0.08	1.1	0.033	0.31	7.3	8.8	5.13	1045	0.11	0.51	1.9	653
D916609		157.5	6.80	6.35	0.08	1.1	0.038	0.37	7.7	6.7	4.56	1285	0.12	0.65	2.0	673
D916610		66.3	6.01	18.70	0.11	2.1	0.078	2.13	16.4	59.1	1.62	747	533	1.18	6.6	34.0
D916611		241	8.70	8.81	0.09	1.5	0.049	0.30	9.6	25.5	3.58	1685	1.25	0.50	2.0	803
D916612		252	7.63	9.24	0.10	1.6	0.050	0.33	10.4	20.4	3.61	1665	0.33	0.71	2.2	1070
D916613		277	8.19	10.20	0.12	1.7	0.053	0.03	10.1	35.3	3.74	1535	0.49	0.45	3.0	1960

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

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Finalized Date: 17-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22307602

Sample Description / Method / Analyte / Units / LOD	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02
D916574	130	1.3	2.2	<0.002	0.03	1.54	15.0	1	0.3	39.2	0.08	<0.05	0.71	0.071	0.02
D916575	150	2.0	2.8	<0.002	0.38	2.10	15.2	1	0.3	40.6	0.10	0.06	0.98	0.074	0.03
D916576	130	1.8	1.2	<0.002	0.15	2.76	14.6	1	0.3	30.4	0.10	<0.05	0.98	0.077	0.02
D916577	160	0.8	1.1	<0.002	0.02	2.53	9.8	1	0.3	9.5	0.06	<0.05	0.67	0.049	<0.02
D916578	190	1.6	2.8	<0.002	0.27	2.32	8.1	1	0.4	21.2	0.08	<0.05	1.15	0.056	0.03
D916579	140	1.9	3.8	<0.002	0.76	0.57	10.0	1	0.2	16.0	0.07	0.07	1.17	0.050	0.02
D916580	760	3610	45.9	0.147	2.89	222	11.0	11	5.3	313	0.37	0.49	3.30	0.302	3.53
D916581	110	3.2	1.1	<0.002	0.11	1.50	9.5	1	0.2	31.5	0.06	<0.05	0.63	0.048	0.02
D916582	300	13.4	4.2	<0.002	0.79	1.45	10.4	1	0.2	42.2	0.05	0.07	1.12	0.044	0.03
D916583	610	2.7	9.6	<0.002	0.67	0.61	16.2	1	0.2	101.5	0.12	<0.05	1.08	0.113	0.05
D916584	260	5.4	2.8	<0.002	1.00	0.74	10.0	1	<0.2	37.5	0.05	<0.05	1.02	0.046	0.05
D916585	470	3.0	10.8	<0.002	0.05	0.13	28.6	1	0.7	215	0.24	<0.05	0.89	0.593	0.08
D916586	280	5.4	6.0	<0.002	1.29	0.64	17.4	1	0.2	75.6	0.07	<0.05	1.24	0.058	0.08
D916587	250	3.4	6.6	<0.002	1.20	0.44	19.5	1	0.2	79.6	0.06	0.05	1.11	0.046	0.09
D916588	300	3.7	13.0	<0.002	1.14	0.44	18.6	1	0.3	103.5	<0.05	0.07	1.18	0.043	0.14
D916589	220	3.0	9.8	<0.002	0.58	0.24	14.1	1	0.2	106.5	0.06	<0.05	1.16	0.049	0.10
D916590	300	3.0	7.0	<0.002	1.18	0.32	22.7	1	0.2	80.6	0.05	<0.05	1.36	0.047	0.08
D916591	320	3.9	16.8	<0.002	0.35	0.29	21.6	1	0.3	155.0	0.07	<0.05	1.68	0.069	0.18
D916592	240	2.4	5.6	<0.002	1.22	0.33	51.7	1	<0.2	60.7	<0.05	<0.05	0.95	0.038	0.05
D916593	200	2.3	5.2	<0.002	0.47	0.27	14.6	1	<0.2	74.7	<0.05	<0.05	0.74	0.031	0.04
D916594	510	7.2	17.0	<0.002	0.42	1.19	39.9	1	0.4	313	0.07	<0.05	0.44	0.228	0.26
D916595	810	3680	44.9	0.152	3.08	241	12.2	11	4.8	342	0.37	0.43	3.45	0.318	3.66
D916596	470	11.7	18.0	<0.002	1.67	1.31	31.9	2	0.5	289	0.07	0.05	0.42	0.221	0.28
D916597	340	5.6	20.2	<0.002	0.82	0.84	14.7	1	0.5	199.0	0.07	<0.05	2.07	0.069	0.26
D916598	300	3.8	13.4	<0.002	0.60	0.48	10.8	1	0.4	160.5	0.06	<0.05	2.11	0.047	0.18
D916599	300	2.5	5.6	<0.002	0.31	0.37	13.8	1	0.3	111.5	0.05	<0.05	1.48	0.063	0.10
D916600	480	2.8	9.3	<0.002	0.05	0.05	28.5	1	0.8	221	0.26	<0.05	1.08	0.633	0.07
D916601	280	1.7	0.9	<0.002	0.63	0.41	28.3	1	0.2	23.4	0.06	<0.05	1.54	0.047	0.03
D916602	410	6.9	21.0	<0.002	0.96	0.89	30.7	1	0.3	200	0.07	0.05	0.74	0.139	0.26
D916603	300	14.3	6.3	<0.002	1.71	1.27	14.3	1	0.2	74.3	0.05	0.10	0.95	0.063	0.11
D916604	370	1.9	13.4	<0.002	0.14	1.78	30.7	1	0.3	318	0.14	<0.05	0.73	0.168	0.08
D916605	300	1.9	16.6	<0.002	0.11	1.47	21.4	1	0.3	490	0.13	<0.05	0.51	0.158	0.10
D916606	280	1.8	13.3	<0.002	0.05	1.34	21.2	1	0.3	559	0.13	<0.05	0.52	0.171	0.09
D916607	240	1.8	15.3	<0.002	0.11	1.29	16.4	1	0.2	449	0.10	<0.05	0.39	0.127	0.09
D916608	260	2.2	14.5	<0.002	0.10	1.33	18.9	2	0.2	480	0.13	<0.05	0.46	0.159	0.07
D916609	290	1.8	16.8	<0.002	0.05	1.48	19.5	1	0.2	401	0.13	<0.05	0.48	0.163	0.09
D916610	700	29.1	58.5	0.035	2.77	19.60	12.3	3	1.2	248	0.35	0.58	1.86	0.274	4.00
D916611	290	1.3	14.2	<0.002	0.04	1.06	27.1	1	0.3	194.5	0.15	<0.05	0.63	0.187	0.07
D916612	300	1.3	16.0	<0.002	0.05	1.12	28.0	1	0.3	188.0	0.14	<0.05	0.64	0.187	0.07
D916613	320	1.5	1.2	<0.002	0.11	1.53	29.4	1	0.3	140.5	0.22	<0.05	0.70	0.280	0.02

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TORONTO ON M5V 3X4

Finalized Date: 17-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22307602

Sample Description	Method Analyte Units LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1
D916574		0.2	74	0.5	5.4	65	44.7	
D916575		0.3	93	0.3	5.2	86	59.7	
D916576		0.3	94	0.6	4.7	80	56.7	
D916577		0.2	64	1.1	2.9	57	39.6	
D916578		0.3	54	1.3	3.6	70	52.7	
D916579		0.3	65	0.8	3.8	143	60.4	
D916580		2.0	110	12.4	15.0	5840	60.7	
D916581		0.2	48	1.2	4.0	51	38.9	
D916582		0.4	62	1.1	3.9	217	51.1	
D916583		0.4	88	0.8	5.1	164	68.4	
D916584		0.4	60	1.1	3.4	177	45.0	
D916585		0.2	202	0.3	18.2	101	38.7	
D916586		0.4	68	1.5	4.0	194	63.7	
D916587		0.5	70	1.1	3.7	208	57.8	
D916588		0.4	82	1.1	3.1	179	61.3	
D916589		0.3	54	1.0	4.1	205	50.4	
D916590		0.5	66	0.7	4.8	235	63.9	
D916591		0.4	73	1.1	4.5	216	69.3	
D916592		0.3	53	0.7	4.7	234	50.0	
D916593		0.2	40	0.8	3.8	182	36.7	
D916594		0.2	347	0.5	8.3	99	71.2	
D916595		2.2	118	14.1	15.2	5940	63.8	96
D916596		0.1	283	0.5	6.6	99	67.1	
D916597		0.6	75	0.7	5.3	118	83.8	
D916598		0.6	48	0.3	5.7	120	78.1	
D916599		0.5	72	0.4	5.7	133	71.6	
D916600		0.2	212	0.3	18.8	109	43.0	
D916601		0.5	103	0.5	5.9	178	67.7	
D916602		0.3	199	0.7	5.8	109	76.8	
D916603		0.3	90	1.1	3.9	94	67.9	
D916604		0.2	199	0.5	6.8	104	68.5	
D916605		0.1	142	0.3	5.5	85	48.1	
D916606		0.1	134	0.3	5.7	75	46.7	
D916607		0.1	113	0.3	4.6	64	37.3	
D916608		0.1	123	0.2	5.3	73	42.8	
D916609		0.1	134	0.3	5.1	83	44.2	
D916610		0.7	251	64.7	8.2	128	84.6	
D916611		0.1	191	0.2	5.5	128	62.1	
D916612		0.2	187	0.2	6.1	121	66.9	
D916613		0.2	217	0.2	6.2	126	71.4	

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CERTIFICATE OF ANALYSIS TB22307602

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
D916614		6.35	<0.005		0.14	3.69	211	10	0.49	0.03	6.04	0.09	26.4	148.0	1975	0.20
D916615		1.28	<0.005		0.06	8.01	2.0	120	0.52	0.11	7.40	0.15	22.5	39.0	188	0.49
D916616		2.20	<0.005		0.19	3.77	286	10	0.48	0.06	5.41	0.12	31.6	194.0	2080	0.21
D916617		4.68	<0.005		0.07	6.41	31.5	210	0.57	0.02	6.10	0.09	14.45	66.2	596	1.22
D916618		4.50	<0.005		0.04	6.78	8.9	120	0.46	0.01	6.81	0.08	10.40	43.9	318	0.92
D916619		2.83	<0.005		0.10	1.99	52.8	50	0.32	0.04	13.10	0.14	17.35	74.3	994	0.55
D916620		2.98	<0.005		0.09	2.18	68.1	80	0.43	0.02	11.45	0.10	16.00	62.7	1085	0.55
D916621		3.41	<0.005		0.09	2.11	98.9	90	0.44	0.02	11.35	0.11	16.30	75.2	1065	0.59
D916622		4.63	<0.005		0.07	1.90	252	110	0.46	0.02	12.70	0.10	14.30	61.7	954	0.76
D916623		1.36	<0.005		0.02	1.67	19.2	130	0.41	0.02	4.17	0.07	12.15	84.9	964	0.49
D916624		3.17	<0.005		0.06	2.84	25.6	30	0.40	0.01	9.93	0.08	24.4	95.6	1455	0.19
D916625		0.11	0.503		0.31	7.44	4.3	860	1.05	1.18	1.90	0.06	29.1	5.9	16	0.51
D916626		5.31	<0.005		0.03	0.93	17.5	10	0.17	0.01	5.79	0.05	8.18	45.8	524	0.11
D916627		3.74	<0.005		0.06	2.49	32.3	20	0.41	0.02	10.80	0.09	21.2	95.3	1260	0.15
D916628		7.64	<0.005		0.17	2.23	16.4	30	0.44	0.02	6.82	0.19	17.35	75.0	1165	0.07
D916629		8.02	<0.005		0.19	2.28	13.9	10	0.49	0.02	5.50	0.16	19.40	90.9	1115	0.10
D916630		1.16	<0.005		0.07	8.06	0.6	110	0.50	0.08	7.13	0.12	22.4	39.2	188	0.50
D916631		5.84	<0.005		0.14	2.27	7.6	10	0.50	0.01	3.51	0.14	18.40	83.0	1180	0.08
D916632		8.34	<0.005		0.15	2.41	9.8	10	0.58	0.02	4.16	0.17	18.65	85.8	1120	0.10
D916633		6.24	<0.005		0.16	2.42	12.5	10	0.59	0.02	3.46	0.19	19.80	95.8	1155	0.10
D916634		6.97	<0.005		0.17	2.61	17.7	20	0.62	0.02	3.51	0.21	20.7	97.4	1200	0.09
D916635		3.02	<0.005		0.18	2.52	29.6	10	0.55	0.02	4.20	0.22	21.0	84.9	1090	0.07
D916636		3.48	<0.005		0.17	2.49	34.9	10	0.54	0.02	4.17	0.22	20.1	97.2	1070	0.08
D916637		6.28	0.005		0.19	2.61	141.0	20	0.46	0.04	5.25	0.27	20.0	97.6	1140	0.08
D916638		4.04	0.038		0.54	2.84	14.0	10	0.20	0.13	2.08	0.77	4.27	40.2	98	0.12
D916639		3.14	<0.005		0.11	7.49	62.8	310	0.63	0.13	1.07	0.40	38.5	31.5	283	0.91
D916640		0.11	>10.0	15.80	2.08	7.41	324	280	1.06	0.70	3.21	0.19	33.2	20.2	58	12.70
D916641		2.20	<0.005		0.08	7.44	60.8	320	0.73	0.11	2.65	0.34	41.2	31.4	103	1.09
D916642		2.85	<0.005		0.11	7.36	56.0	280	0.74	0.11	2.35	0.25	33.1	28.6	88	1.04
D916643		2.17	<0.005		0.09	7.66	49.1	300	0.77	0.09	1.58	0.24	33.3	28.1	111	1.10
D916644		4.37	0.005		0.06	10.80	73.1	530	1.48	0.35	0.62	0.13	42.3	23.0	57	1.33
D916645		1.52	<0.005		0.07	8.21	0.7	100	0.46	0.10	7.43	0.12	19.45	43.6	196	0.45
D916646		4.81	<0.005		0.14	7.91	35.3	280	0.69	0.14	1.07	0.20	39.5	25.0	99	0.93
D916647		1.77	<0.005		0.04	9.11	56.2	420	1.04	0.19	1.08	0.11	39.6	18.3	39	1.13
D916648		1.31	<0.005		0.03	8.24	111.0	360	0.95	0.07	1.82	0.21	29.5	21.4	61	0.76
D916649		1.61	<0.005		0.03	7.01	83.7	280	0.87	0.04	4.00	0.16	37.3	17.5	74	0.90
D916650		1.99	<0.005		0.07	7.03	114.5	280	0.84	0.09	3.40	0.18	32.4	24.8	73	0.86
F809501		3.25	8.34		0.04	0.10	0.8	<10	<0.05	3.78	0.30	0.13	0.44	5.9	29	0.07
F809502		3.65	0.011		0.06	1.07	0.9	20	0.07	0.41	0.81	0.12	2.17	23.9	36	0.08
F809503		3.76	0.021		0.02	0.39	1.0	20	0.05	0.32	0.96	0.14	1.58	49.3	26	0.08

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

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Finalized Date: 17-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22307602

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
D916614		319	8.47	10.75	0.10	1.8	0.063	0.01	11.2	42.4	4.35	1225	0.28	0.46	3.1	1635
D916615		62.6	8.22	15.40	0.10	1.5	0.058	0.37	10.0	16.6	3.23	1155	0.72	1.83	4.4	145.0
D916616		420	9.11	11.15	0.11	1.9	0.074	<0.01	13.0	47.4	4.74	1365	0.33	0.02	3.6	2470
D916617		120.5	7.38	10.55	0.08	1.2	0.042	0.68	6.2	40.0	4.20	1320	0.17	1.50	2.6	399
D916618		82.5	6.93	9.53	0.08	1.0	0.040	0.56	4.3	45.6	4.37	1275	0.15	1.70	1.9	207
D916619		154.0	7.28	6.34	0.08	1.0	0.035	0.28	7.4	19.4	5.93	1095	0.12	0.05	2.8	712
D916620		182.5	7.03	5.86	0.07	1.0	0.030	0.33	6.8	17.6	5.21	972	0.13	0.29	3.3	704
D916621		160.5	6.94	6.09	0.07	1.0	0.032	0.33	7.1	16.5	5.19	1000	0.12	0.24	3.0	674
D916622		133.5	6.24	5.32	0.07	0.9	0.029	0.46	6.2	8.1	5.30	946	0.10	0.32	2.3	637
D916623		15.6	5.12	5.23	0.05	0.7	0.028	0.17	5.3	8.5	2.05	874	0.15	0.51	0.9	534
D916624		160.0	8.39	9.24	0.09	1.6	0.035	0.03	10.6	25.6	5.82	1370	0.08	0.42	3.1	854
D916625		48.0	2.26	13.20	0.11	2.0	0.031	1.77	14.5	3.4	0.52	695	2.25	3.33	6.6	10.7
D916626		104.0	3.47	2.86	<0.05	0.5	0.018	0.02	3.2	7.4	2.75	542	0.11	0.26	0.9	329
D916627		127.0	8.31	7.66	0.08	1.3	0.035	0.01	9.1	23.2	6.46	1160	0.14	0.38	2.3	1045
D916628		184.5	8.76	6.17	0.08	1.0	0.034	<0.01	7.5	19.8	6.71	1900	0.07	<0.01	1.4	976
D916629		184.0	9.09	6.86	0.08	1.2	0.042	<0.01	8.4	20.6	8.93	1705	0.07	<0.01	1.6	978
D916630		77.5	8.22	16.70	0.10	1.4	0.059	0.36	9.7	18.1	3.45	1175	0.51	2.01	4.3	144.0
D916631		169.0	8.85	6.58	0.08	1.1	0.037	<0.01	7.9	20.1	9.88	1590	0.05	<0.01	1.4	985
D916632		190.0	9.68	7.00	0.08	1.1	0.039	<0.01	8.2	21.4	9.52	1890	0.07	0.01	1.4	1030
D916633		189.0	9.57	7.68	0.09	1.2	0.039	<0.01	8.5	20.7	9.72	1820	0.11	<0.01	1.7	1035
D916634		211	10.20	7.77	0.09	1.3	0.039	<0.01	9.1	21.8	10.05	1920	0.09	<0.01	1.4	1085
D916635		186.5	9.08	7.89	0.10	1.3	0.044	<0.01	8.9	20.7	9.49	1510	0.10	<0.01	1.6	1025
D916636		195.0	9.42	7.61	0.09	1.3	0.043	<0.01	8.7	20.5	9.50	1655	0.11	<0.01	1.5	1020
D916637		188.5	10.10	8.00	0.11	1.3	0.046	<0.01	8.8	20.9	8.43	1790	0.10	<0.01	2.1	1095
D916638		50.8	3.53	5.16	0.05	0.5	0.037	0.01	1.7	23.9	2.10	616	0.11	1.01	0.7	57.4
D916639		42.5	4.43	15.05	0.11	3.2	0.033	1.11	17.8	12.3	0.76	1640	0.96	0.94	4.7	103.5
D916640		68.1	5.91	17.75	0.11	2.0	0.074	2.08	15.4	57.7	1.59	738	524	1.15	6.1	33.9
D916641		31.5	3.68	15.55	0.12	3.6	0.031	1.24	19.6	10.1	0.97	1355	1.76	1.03	6.5	85.0
D916642		39.4	2.96	15.70	0.11	3.5	0.033	1.22	15.0	10.3	0.85	855	0.82	1.02	5.9	82.2
D916643		41.4	2.79	16.80	0.13	3.4	0.031	1.29	15.6	10.5	0.61	925	0.57	1.03	4.8	71.8
D916644		33.4	1.83	25.9	0.13	4.7	0.030	1.70	20.3	13.9	0.21	368	1.30	1.72	7.6	40.3
D916645		84.1	8.48	16.40	0.13	1.2	0.057	0.34	8.2	18.1	3.53	1175	1.26	1.84	4.0	150.0
D916646		41.9	3.48	17.25	0.11	3.5	0.036	1.06	18.6	12.8	0.69	684	0.83	1.04	5.3	73.2
D916647		26.4	2.49	21.7	0.13	4.4	0.037	1.60	19.6	13.5	0.36	386	0.92	0.79	6.9	32.1
D916648		21.7	3.76	17.70	0.12	3.8	0.034	1.17	12.7	12.9	0.42	780	0.57	0.66	6.2	62.9
D916649		19.6	3.14	16.30	0.14	3.1	0.029	1.20	15.6	12.3	1.06	1010	0.62	0.62	7.6	58.7
D916650		56.4	3.35	15.80	0.13	3.5	0.030	1.12	13.7	11.6	0.89	885	0.62	0.58	6.7	68.2
F809501		5.5	0.26	0.30	0.05	<0.1	<0.005	0.01	<0.5	<0.2	0.01	78	0.12	0.03	0.1	1.7
F809502		8.3	1.19	2.21	0.06	0.1	0.007	0.09	1.0	1.9	0.27	280	0.16	0.33	0.2	8.3
F809503		20.7	0.94	1.15	0.07	<0.1	0.009	0.08	0.8	0.3	0.11	388	0.17	0.04	0.1	3.0

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To: HERITAGE MINING LTD.
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TORONTO ON M5V 3X4

Finalized Date: 17-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22307602

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
D916614		360	1.3	0.5	<0.002	0.08	1.84	31.1	1	0.2	150.0	0.21	<0.05	0.75	0.294	0.02
D916615		570	3.3	11.3	<0.002	0.03	0.07	27.0	1	0.8	228	0.28	<0.05	1.32	0.630	0.07
D916616		390	1.8	0.3	<0.002	0.35	2.31	33.3	1	0.3	143.5	0.24	<0.05	0.78	0.341	0.02
D916617		300	1.7	28.1	<0.002	0.09	1.51	33.9	1	0.3	155.5	0.17	<0.05	0.49	0.284	0.11
D916618		280	1.8	21.7	<0.002	0.04	1.10	32.5	1	0.2	192.0	0.12	<0.05	0.38	0.230	0.10
D916619		240	2.0	13.3	<0.002	0.24	1.56	19.4	1	0.3	306	0.19	0.05	0.45	0.239	0.06
D916620		240	2.0	13.5	<0.002	0.09	1.19	16.5	1	0.3	331	0.22	<0.05	0.47	0.314	0.08
D916621		210	1.5	14.0	<0.002	0.10	1.19	17.5	1	0.3	343	0.20	<0.05	0.46	0.272	0.08
D916622		230	1.4	19.7	<0.002	0.05	2.25	15.6	1	0.3	325	0.15	<0.05	0.40	0.204	0.10
D916623		190	1.6	9.1	<0.002	0.01	0.50	13.1	1	0.2	173.0	0.06	<0.05	0.38	0.081	0.05
D916624		280	1.7	1.5	<0.002	0.01	0.86	24.3	1	0.3	433	0.21	<0.05	0.70	0.256	0.02
D916625		500	10.3	37.1	<0.002	0.04	0.75	6.9	1	0.9	211	0.44	0.25	3.08	0.214	0.19
D916626		130	0.9	0.7	<0.002	0.02	0.41	8.5	1	<0.2	262	0.05	<0.05	0.23	0.077	0.02
D916627		250	1.7	0.5	<0.002	0.04	0.74	21.3	1	0.2	528	0.15	<0.05	0.60	0.192	<0.02
D916628		260	5.0	0.1	<0.002	0.64	1.76	17.3	1	<0.2	333	0.09	<0.05	0.48	0.129	<0.02
D916629		280	5.4	0.1	<0.002	0.55	1.89	19.5	1	<0.2	346	0.11	<0.05	0.54	0.135	<0.02
D916630		530	2.7	10.8	<0.002	0.03	0.07	26.9	1	0.7	217	0.29	<0.05	1.28	0.627	0.06
D916631		280	2.9	0.1	<0.002	0.33	1.60	19.1	1	<0.2	287	0.09	<0.05	0.57	0.121	<0.02
D916632		300	3.9	0.1	<0.002	0.29	1.67	19.2	1	<0.2	350	0.09	<0.05	0.55	0.134	<0.02
D916633		300	3.4	0.1	<0.002	0.30	1.91	20.7	1	0.2	286	0.11	<0.05	0.59	0.147	<0.02
D916634		320	5.5	0.1	<0.002	0.34	1.64	21.5	1	<0.2	235	0.09	<0.05	0.58	0.123	<0.02
D916635		290	4.7	0.1	<0.002	0.27	1.73	21.0	2	<0.2	194.5	0.10	<0.05	0.61	0.130	<0.02
D916636		290	5.6	0.1	<0.002	0.47	1.76	20.2	1	<0.2	201	0.10	<0.05	0.58	0.130	<0.02
D916637		320	3.6	0.1	<0.002	0.27	2.51	21.4	1	0.2	161.5	0.13	<0.05	0.60	0.173	0.02
D916638		520	222	0.2	<0.002	0.13	2.13	11.8	1	0.2	109.0	<0.05	0.24	0.16	0.127	<0.02
D916639		890	4.9	31.9	<0.002	0.15	0.73	9.2	1	0.8	199.5	0.31	<0.05	2.26	0.256	0.21
D916640		690	26.3	57.6	0.031	2.74	17.80	11.4	3	1.1	245	0.34	0.57	1.68	0.269	3.77
D916641		790	5.4	37.0	<0.002	0.15	0.61	10.3	1	1.0	225	0.42	<0.05	2.96	0.268	0.24
D916642		670	4.3	32.5	<0.002	0.13	0.90	9.1	1	0.9	219	0.42	<0.05	2.64	0.252	0.24
D916643		670	4.5	38.6	<0.002	0.08	0.82	9.6	1	0.9	214	0.37	<0.05	2.78	0.218	0.27
D916644		610	6.5	50.4	<0.002	0.07	0.91	12.1	1	1.2	358	0.53	0.20	3.48	0.313	0.33
D916645		510	2.3	11.1	0.002	0.03	0.05	30.2	2	0.7	211	0.25	<0.05	0.96	0.644	0.07
D916646		800	5.1	31.8	<0.002	0.21	0.70	11.3	1	0.9	224	0.36	<0.05	2.68	0.255	0.20
D916647		460	5.9	52.2	<0.002	0.06	0.96	10.1	2	1.2	252	0.49	0.15	3.72	0.263	0.38
D916648		900	4.5	25.4	<0.002	0.11	1.05	9.7	2	0.9	224	0.41	<0.05	2.04	0.297	0.26
D916649		1000	4.2	23.3	<0.002	0.10	0.75	8.6	2	1.0	219	0.44	<0.05	1.86	0.337	0.28
D916650		870	4.5	24.6	<0.002	0.19	1.24	9.7	1	0.9	205	0.44	<0.05	1.98	0.288	0.28
F809501		10	1.8	0.3	<0.002	<0.01	0.07	0.4	1	<0.2	14.7	<0.05	1.49	0.02	<0.005	<0.02
F809502		20	1.3	2.6	<0.002	<0.01	0.08	3.0	1	<0.2	38.3	<0.05	0.19	0.13	0.055	0.03
F809503		10	1.4	2.4	<0.002	<0.01	0.09	2.7	1	<0.2	23.9	<0.05	<0.05	0.06	0.016	0.02

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Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22307602

Sample Description	Method / Analyte / Units / LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1
D916614		0.2	232	0.5	6.6	113	75.6	
D916615		0.3	207	0.3	19.0	110	51.1	
D916616		0.2	247	0.3	7.6	113	78.5	
D916617		0.1	190	0.2	4.8	86	47.6	
D916618		0.1	176	0.1	4.5	80	40.3	
D916619		0.1	130	0.3	5.8	77	43.3	
D916620		0.1	141	0.4	4.9	77	39.2	
D916621		0.1	138	0.5	4.9	76	41.8	
D916622		0.1	126	0.6	4.8	71	37.7	
D916623		0.1	99	1.3	4.3	61	29.5	
D916624		0.1	183	0.5	5.3	106	62.7	
D916625		1.4	38	18.5	18.6	48	62.8	
D916626		0.1	57	0.5	2.4	36	19.9	
D916627		0.1	156	0.1	5.1	96	51.6	
D916628		0.1	143	0.2	3.9	115	41.7	
D916629		0.1	139	0.2	4.1	106	46.2	
D916630		0.3	209	0.2	20.3	112	50.7	
D916631		0.1	141	0.1	3.7	100	44.4	
D916632		0.1	150	0.1	3.8	108	45.2	
D916633		0.1	149	0.2	3.9	107	48.3	
D916634		0.1	158	0.2	4.2	116	50.9	
D916635		0.1	150	0.2	4.0	119	50.6	
D916636		0.1	147	0.2	4.0	117	49.9	
D916637		0.1	159	0.9	3.8	128	51.6	
D916638		<0.1	83	3.8	2.6	126	20.8	
D916639		0.7	65	0.6	8.6	204	135.0	
D916640		0.6	248	63.4	7.7	125	78.9	
D916641		0.8	64	0.8	10.0	137	153.5	
D916642		0.7	57	0.7	8.5	117	144.0	
D916643		0.8	58	0.7	8.4	108	140.0	
D916644		1.0	82	2.4	8.6	58	189.0	
D916645		0.2	218	0.3	20.3	110	42.2	
D916646		0.8	75	0.5	8.6	131	143.0	
D916647		1.1	60	0.5	9.6	85	181.0	
D916648		0.7	69	0.3	9.0	152	171.0	
D916649		0.6	63	0.4	7.9	95	135.0	
D916650		0.7	66	0.5	8.1	107	143.0	
F809501		<0.1	5	0.3	0.2	5	0.7	
F809502		<0.1	43	1.3	0.7	13	3.1	
F809503		<0.1	23	2.7	0.7	8	0.8	

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

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 17-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22307602

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
F809504		4.53	0.013		0.01	0.04	0.6	<10	<0.05	0.03	0.03	0.10	0.15	35.1	33	0.06
F809505		0.11	>10.0	15.85	1.85	7.30	319	220	1.05	0.66	3.16	0.18	32.6	20.8	56	12.95
F809506		2.24	0.044		0.15	1.73	1.3	30	0.09	0.10	0.49	0.15	1.74	40.6	39	0.09
F809507		3.29	>10.0	51.5	1.38	1.24	1.1	10	0.05	14.60	0.95	0.22	2.24	35.1	32	0.07
F809508		3.63	5.73		0.82	0.19	0.9	<10	<0.05	0.76	0.39	0.10	0.43	30.5	27	<0.05
F809509		4.38	0.090		0.04	1.27	0.7	10	0.08	0.12	0.80	0.13	8.82	51.1	39	0.05
F809510		1.16	0.005		0.06	7.76	<0.2	100	0.46	0.18	6.93	0.11	20.6	38.5	168	0.51
F809511		2.28	5.40		0.03	0.21	0.6	<10	<0.05	0.66	0.12	0.09	0.44	31.6	36	<0.05
F809512		3.89	<0.005		0.01	0.03	0.2	<10	<0.05	0.07	0.04	0.11	0.09	15.5	34	0.05
F809513		3.01	<0.005		0.03	7.70	1.6	220	0.45	0.16	5.01	0.11	9.01	62.7	53	0.38
F809514		1.44	<0.005		0.01	0.34	0.5	10	<0.05	0.05	0.08	0.13	0.40	17.9	29	0.07
F809515		1.55	<0.005		0.01	0.08	0.5	<10	<0.05	0.05	0.06	0.13	0.22	41.8	24	0.06
F809516		4.29	0.007		0.05	7.66	1.5	150	0.37	0.11	3.99	0.17	11.35	70.2	62	0.29
F809517		3.22	<0.005		0.03	8.09	6.3	170	0.47	0.08	2.37	0.09	13.30	35.4	118	0.94
F809518		1.99	<0.005		0.07	8.11	5.2	140	0.43	0.16	2.18	0.16	15.05	51.9	144	0.97
F809519		2.31	<0.005		0.06	8.46	9.3	130	0.41	0.11	2.90	0.13	12.95	51.4	186	0.80
F809520		0.11	NSS		92.0	6.86	380	340	0.97	3.73	3.56	31.6	29.1	25.4	61	1.71
F809521		3.48	0.005		0.10	6.81	6.2	90	0.31	0.05	5.45	0.18	10.45	41.2	138	0.40
F809522		3.33	<0.005		0.09	8.38	7.0	160	0.37	0.25	2.95	0.16	10.20	62.5	184	0.91

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 17-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22307602

Sample Description	Method / Analyte / Units / LOD	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
F809504		3.8	0.23	0.14	<0.05	<0.1	<0.005	0.01	<0.5	<0.2	0.01	37	0.17	0.02	<0.1	6.1
F809505		69.8	5.89	17.85	0.13	2.0	0.073	2.04	15.6	57.6	1.56	726	524	1.15	5.9	38.2
F809506		152.5	2.23	3.75	0.05	0.1	0.026	0.14	0.8	3.5	0.49	354	0.23	0.45	0.3	15.3
F809507		826	1.81	2.99	0.06	0.1	0.055	0.03	1.0	2.5	0.37	389	0.17	0.44	0.3	12.5
F809508		287	0.45	0.45	<0.05	<0.1	0.015	0.02	<0.5	0.3	0.05	129	0.13	0.05	0.1	2.8
F809509		78.8	0.67	1.76	0.06	0.4	0.010	0.03	3.6	0.9	0.11	215	0.24	0.76	0.4	5.8
F809510		74.4	7.68	17.20	0.11	1.5	0.061	0.33	8.7	15.7	2.95	1050	1.41	1.85	4.6	122.5
F809511		2.2	0.33	0.47	0.05	<0.1	<0.005	0.02	<0.5	0.2	0.03	64	0.17	0.09	0.1	3.2
F809512		1.3	0.24	0.12	<0.05	<0.1	<0.005	0.01	<0.5	<0.2	0.01	34	0.14	0.02	<0.1	1.1
F809513		37.1	8.20	21.1	0.10	0.5	0.045	1.22	3.6	18.4	2.65	1130	0.21	1.48	0.9	71.3
F809514		3.3	0.93	0.81	0.05	<0.1	<0.005	0.03	<0.5	0.6	0.10	116	0.23	0.12	0.1	4.0
F809515		2.0	0.27	0.26	<0.05	<0.1	<0.005	0.01	<0.5	0.2	0.02	44	0.13	0.03	<0.1	1.6
F809516		60.2	8.93	19.60	0.10	0.6	0.037	0.79	4.7	17.0	2.91	1180	0.23	1.95	1.2	73.5
F809517		11.2	6.62	16.80	0.10	1.7	0.061	0.60	6.0	18.1	1.58	1110	0.27	1.56	0.9	67.7
F809518		93.4	8.88	20.1	0.12	1.5	0.072	0.41	6.3	22.1	1.37	1565	0.40	1.14	1.5	97.4
F809519		96.5	9.47	18.75	0.09	1.3	0.066	0.40	5.2	23.7	1.51	1395	0.40	1.20	1.1	106.0
F809520		3120	6.67	14.60	0.14	1.6	0.516	1.49	14.2	19.0	1.75	976	165.5	1.76	4.8	138.5
F809521		111.5	8.67	13.75	0.09	0.9	0.059	0.26	3.7	16.2	2.74	1460	0.62	1.01	2.5	89.7
F809522		105.0	6.15	17.95	0.11	1.3	0.068	0.39	3.5	22.3	1.16	1060	0.53	1.64	1.7	120.5

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 17-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22307602

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
F809504		<10	1.2	0.2	<0.002	<0.01	0.08	0.1	1	<0.2	11.0	<0.05	<0.05	0.01	<0.005	<0.02
F809505		670	25.9	57.9	0.030	2.71	17.85	11.6	3	1.1	245	0.35	0.56	1.71	0.263	3.83
F809506		30	1.5	3.4	<0.002	0.02	0.12	4.8	1	<0.2	38.8	<0.05	<0.05	0.10	0.090	0.04
F809507		40	5.3	1.0	<0.002	0.08	0.11	3.6	2	<0.2	34.6	<0.05	8.06	0.13	0.066	0.03
F809508		10	1.1	0.5	<0.002	0.03	0.09	0.6	1	<0.2	13.0	<0.05	0.25	0.02	0.009	0.02
F809509		30	1.4	0.8	<0.002	0.01	0.09	1.7	1	<0.2	46.5	0.08	0.05	2.74	0.029	0.02
F809510		480	2.5	11.1	<0.002	0.04	0.05	27.5	2	0.8	215	0.29	<0.05	1.20	0.601	0.06
F809511		10	1.3	0.6	<0.002	<0.01	0.09	0.4	1	<0.2	12.7	<0.05	0.34	0.03	0.015	0.02
F809512		10	1.2	0.2	<0.002	<0.01	0.11	0.1	1	<0.2	9.5	<0.05	<0.05	0.01	<0.005	0.02
F809513		160	1.5	24.9	<0.002	0.07	0.18	25.7	3	0.3	214	0.06	<0.05	0.41	0.343	0.20
F809514		10	1.4	0.8	<0.002	<0.01	0.10	0.8	1	<0.2	16.2	<0.05	<0.05	0.02	0.018	0.02
F809515		10	1.3	0.4	<0.002	<0.01	0.08	0.3	1	<0.2	11.6	<0.05	<0.05	0.01	0.005	0.02
F809516		200	2.1	18.4	<0.002	0.04	0.19	26.9	2	0.3	235	0.07	<0.05	0.60	0.359	0.13
F809517		390	2.4	16.1	<0.002	0.08	0.26	21.5	1	0.7	154.5	0.06	<0.05	0.94	0.141	0.10
F809518		440	2.4	18.8	<0.002	0.15	0.28	40.0	2	0.4	132.0	0.09	0.10	0.67	0.236	0.07
F809519		470	2.1	14.9	<0.002	0.30	0.26	40.4	2	0.3	129.0	0.07	<0.05	0.36	0.216	0.07
F809520		790	3630	40.5	0.133	3.02	235	10.4	11	4.3	329	0.34	0.34	3.13	0.308	3.27
F809521		390	3.6	8.7	<0.002	0.15	0.63	30.4	2	0.4	109.5	0.16	<0.05	0.29	0.494	0.07
F809522		420	2.6	14.8	<0.002	0.40	0.29	34.4	2	0.5	159.0	0.11	0.06	0.36	0.326	0.09

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1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 17-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22307602

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62
	Analyte	U	V	W	Y	Zn	Zr	Ag
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	1	0.1	0.1	2	0.5	1
F809504		<0.1	2	1.8	<0.1	4	<0.5	
F809505		0.6	246	63.4	7.8	125	78.6	
F809506		<0.1	68	2.7	0.6	23	2.6	
F809507		0.1	43	2.7	0.7	20	3.3	
F809508		<0.1	7	1.7	0.2	5	<0.5	
F809509		0.5	19	3.3	1.0	8	10.7	
F809510		0.2	197	0.3	20.3	101	49.9	
F809511		<0.1	5	1.9	0.1	5	2.0	
F809512		<0.1	1	0.8	0.1	3	<0.5	
F809513		0.1	390	4.6	3.0	80	17.2	
F809514		<0.1	16	1.0	0.2	7	0.6	
F809515		<0.1	4	2.2	0.1	4	<0.5	
F809516		0.2	423	4.1	3.0	86	18.6	
F809517		0.3	171	0.6	3.6	85	65.9	
F809518		0.2	261	0.6	4.9	125	59.9	
F809519		0.1	305	0.7	4.5	137	53.1	
F809520		1.8	117	11.5	14.0	5910	56.4	
F809521		0.1	236	0.4	3.5	130	38.5	
F809522		0.1	262	0.7	3.4	108	50.5	

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Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22307602

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method:	NSS is non-sufficient sample. ALL METHODS
Applies to Method:	REEs may not be totally soluble in this method. ME-MS61

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

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

Applies to Method:	Ag-OG62	Au-AA24	Au-GRA22	ME-MS61
	ME-OG62			

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To: HERITAGE MINING LTD.
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Finalized Date: 19-NOV-2022
Account: HMLHKDXF

CERTIFICATE TB22296606

Project: Drayton-Black Lake

This report is for 93 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 17-OCT-2022.

The following have access to data associated with this certificate:

STEVE KING	PETER SCHLOO	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM

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

Signature:

Saa Traxler, Director, North Vancouver Operations

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Finalized Date: 19-NOV-2022
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Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22296606

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
D909351		2.35	0.502		1.66	5.66	2.4	960	1.06	1.36	3.30	0.32	44.4	52.7	339	1.98
D909352		3.33	0.059		0.82	6.29	1.4	290	0.67	0.28	4.75	0.16	52.1	48.7	335	1.38
D909353		2.21	>10.0	15.75	45.1	3.65	1.1	180	0.35	5.40	1.12	7.09	28.9	38.5	225	0.51
D909354		2.57	2.97		7.35	5.20	1.0	310	0.58	0.61	2.54	0.51	11.10	64.7	307	0.92
D909355		0.11	5.10		2.77	7.97	102.5	1590	1.12	2.24	3.37	0.45	26.9	14.7	28	1.35
D909356		3.49	0.114		0.29	7.91	1.0	300	0.63	0.12	2.18	0.26	9.47	84.7	465	0.62
D909357		2.19	0.908		1.86	4.55	1.7	120	0.54	0.12	3.48	0.31	24.4	38.9	226	1.07
D909358		3.20	0.015		0.11	7.48	0.8	180	0.78	0.11	4.29	0.11	59.2	50.8	369	1.30
D909359		3.99	0.157		12.30	0.72	0.7	30	0.10	32.7	0.14	0.56	3.22	57.0	41	0.13
D909360		1.01	<0.005		0.08	8.21	0.6	100	0.48	0.21	7.51	0.12	20.5	38.4	181	0.42
D909361		4.18	0.006		0.10	6.70	0.9	350	1.11	0.26	1.27	0.21	54.1	15.4	8	0.67
D909362		3.88	0.018		0.05	6.36	0.8	300	1.13	0.12	1.24	0.29	59.9	8.2	4	0.63
D909363		3.73	0.110		0.21	7.01	1.6	290	0.94	0.27	1.84	0.47	46.8	39.9	61	1.11
D909364		1.88	0.391		0.39	7.64	2.5	150	0.67	0.14	5.04	0.48	7.08	82.1	174	2.85
D909365		0.91	1.205		4.31	6.54	1.1	210	0.73	0.11	6.13	0.44	14.50	29.5	313	1.48
D909366		0.95	1.055		3.63	6.08	0.8	180	0.65	0.10	4.53	0.44	13.70	25.3	301	1.09
D909367		2.74	0.704		1.65	4.74	1.5	130	0.59	0.11	4.71	0.25	30.2	28.0	288	1.05
D909368		3.51	0.015		0.09	8.18	0.5	110	0.40	0.11	2.67	0.07	6.45	56.8	620	0.54
D909369		2.13	0.355		0.63	7.91	1.1	120	0.48	0.18	3.44	0.16	6.34	51.0	655	1.21
D909370		0.11	0.461		0.36	7.94	4.7	920	1.09	1.28	2.02	0.07	27.8	5.4	15	0.47
D909371		2.16	0.459		0.79	6.95	1.0	190	0.48	0.33	2.81	0.13	5.44	40.3	611	1.69
D909372		1.19	0.383		5.29	8.67	1.4	320	0.46	1.16	2.08	7.96	9.53	54.9	697	1.44
D909373		1.76	6.60		49.5	1.65	<0.2	120	0.22	11.80	0.60	43.7	12.05	4.5	70	0.30
D909374		0.81	0.023		0.17	6.68	0.7	260	1.22	0.11	1.18	0.92	71.3	2.3	7	0.64
D909375		1.05	0.008		0.15	8.42	0.5	140	0.49	0.12	7.59	0.22	22.4	38.2	182	0.49
D909376		1.95	0.026		0.09	6.75	1.4	300	1.08	0.05	1.38	0.31	71.5	1.7	7	0.75
D909377		2.30	0.018		0.06	7.94	1.3	500	1.18	0.04	1.95	0.21	55.2	10.2	46	0.93
D909378		2.03	0.076		0.36	8.37	1.7	480	0.92	0.08	4.01	0.50	72.5	28.3	162	0.82
D909379		2.43	0.034		0.16	8.38	1.3	630	0.76	0.05	2.49	0.24	25.0	9.8	22	0.29
D909380		1.69	0.050		0.15	8.46	1.0	530	0.85	0.03	2.68	0.21	24.7	11.2	22	0.43
D909381		1.38	0.037		0.18	9.59	1.7	540	0.91	0.04	2.51	0.24	32.1	13.0	23	0.35
D909382		2.40	0.034		0.08	8.83	1.3	700	0.91	0.01	2.71	0.14	26.2	13.2	22	0.63
D909383		1.63	0.023		0.11	9.50	1.5	620	1.02	0.03	2.12	0.21	51.4	20.5	63	0.54
D909384		2.26	0.040		0.17	8.06	1.3	450	0.97	0.05	2.35	0.23	78.5	25.7	130	0.78
D909385		0.11	>10.0	15.55	1.74	7.09	312	140	1.03	0.68	3.17	0.26	31.0	20.7	54	12.80
D909386		1.95	0.032		0.09	9.43	1.4	760	1.03	0.02	2.39	0.10	33.6	14.4	25	0.69
D909387		2.33	1.015		3.20	6.14	0.9	130	0.55	0.82	4.67	0.81	5.32	43.9	328	1.47
D909388		1.89	0.032		0.08	7.98	1.0	230	0.47	0.10	3.96	0.17	8.14	58.7	439	0.83
D909389		2.20	0.024		0.12	8.56	1.6	750	0.98	0.02	3.39	0.14	32.1	13.6	46	0.79
D909390		1.03	<0.005		0.06	8.26	0.5	110	0.48	0.09	7.70	0.12	21.1	38.4	189	0.46

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

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To: HERITAGE MINING LTD.
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TORONTO ON M5V 3X4

Finalized Date: 19-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22296606

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
D909351		192.5	6.03	12.15	0.17	1.8	0.033	2.29	18.1	18.4	2.83	997	147.0	1.00	2.2	181.5
D909352		582	6.62	11.15	0.16	1.8	0.054	1.89	19.5	23.5	3.84	1100	31.0	0.52	1.7	184.0
D909353		59.9	5.18	6.11	0.11	0.9	0.047	0.79	11.8	14.1	2.05	674	191.5	0.56	0.9	101.0
D909354		65.0	5.30	8.28	0.09	0.6	0.026	1.16	6.2	15.0	2.09	904	32.4	2.15	0.6	126.5
D909355		6310	5.64	17.85	0.15	0.4	0.117	2.21	13.2	13.8	1.28	844	11.65	2.60	8.7	17.9
D909356		81.7	7.39	11.30	0.13	0.9	0.041	1.69	5.6	35.1	4.37	1325	14.40	1.94	0.6	203
D909357		56.7	4.25	10.10	0.12	0.9	0.020	0.80	9.7	12.2	2.12	1095	42.7	2.20	1.4	112.5
D909358		60.8	8.34	13.55	0.14	2.1	0.052	0.79	20.7	42.6	5.44	1205	5.53	1.74	2.2	254
D909359		189.0	0.68	1.78	0.07	0.2	0.017	0.10	1.5	0.6	0.08	136	25.0	0.44	0.4	6.6
D909360		57.3	8.38	16.10	0.12	1.4	0.057	0.35	8.1	15.9	3.27	1145	0.61	1.97	4.2	130.5
D909361		10.6	1.94	14.55	0.14	5.2	0.054	2.96	24.5	9.3	0.79	463	3.56	0.27	8.8	4.5
D909362		14.7	1.72	15.25	0.17	5.9	0.061	2.49	26.7	8.1	0.71	431	4.42	0.71	10.0	2.2
D909363		53.8	4.18	15.80	0.19	4.3	0.057	2.35	20.6	12.3	1.63	814	2.97	0.92	8.0	44.2
D909364		72.4	8.71	13.80	0.12	1.1	0.044	0.96	3.1	10.1	3.24	1625	25.1	4.31	1.9	155.0
D909365		519	5.38	13.35	0.11	0.8	0.042	1.00	7.7	14.7	2.92	1385	17.90	3.95	1.1	124.0
D909366		1095	4.91	13.10	0.12	0.7	0.046	0.77	7.7	11.0	2.23	1190	13.75	3.82	1.1	104.5
D909367		141.0	5.01	9.71	0.11	1.2	0.030	1.18	10.9	14.1	2.80	974	8.97	1.88	1.2	132.0
D909368		31.5	7.94	8.92	0.10	0.6	0.033	1.00	5.4	37.2	5.88	1460	3.24	1.74	0.6	250
D909369		61.1	7.44	10.00	0.12	0.6	0.029	1.19	3.9	33.8	4.80	1285	34.6	2.25	0.6	203
D909370		40.7	2.46	12.80	0.18	1.8	0.031	1.86	14.4	3.3	0.55	708	2.11	3.54	5.8	9.2
D909371		50.7	5.75	9.03	0.11	0.5	0.033	1.55	2.9	28.3	3.61	1125	73.1	1.81	0.7	160.5
D909372		98.8	7.74	12.20	0.14	0.6	0.082	1.90	4.3	39.9	4.73	1570	3.56	1.58	0.6	206
D909373		2750	1.29	4.12	0.08	0.8	0.218	0.48	5.2	2.9	0.29	167	12.50	0.57	1.3	13.2
D909374		22.7	1.87	16.95	0.18	6.4	0.158	2.17	33.5	7.3	0.57	458	11.70	1.89	10.8	2.7
D909375		83.9	8.78	16.50	0.12	1.4	0.068	0.40	8.7	18.5	3.39	1185	0.87	2.09	4.5	133.5
D909376		10.9	1.88	17.45	0.21	6.2	0.034	1.60	33.0	7.7	0.66	431	4.68	2.93	10.7	2.1
D909377		25.1	2.82	17.85	0.18	4.6	0.027	2.14	24.6	13.7	1.11	475	3.65	3.03	6.3	44.4
D909378		51.9	4.89	18.65	0.20	2.6	0.043	0.51	33.9	9.1	2.14	986	3.52	5.86	3.0	155.5
D909379		21.9	2.05	19.75	0.16	2.0	0.016	0.39	10.4	3.8	0.72	430	0.18	7.15	2.4	30.0
D909380		24.1	2.15	19.55	0.13	2.0	0.020	0.61	10.3	6.5	0.78	392	0.13	6.95	2.2	33.0
D909381		33.2	2.30	21.2	0.18	2.2	0.022	0.62	15.2	4.8	0.75	471	0.25	7.35	2.8	35.6
D909382		30.3	2.22	20.1	0.14	2.1	0.019	1.06	11.2	10.4	0.89	344	0.11	6.63	2.3	34.9
D909383		33.0	3.17	20.7	0.17	2.6	0.026	0.80	23.7	8.4	1.06	484	0.60	6.87	2.9	71.4
D909384		42.7	4.11	21.6	0.22	2.7	0.035	0.46	36.1	8.4	1.65	628	1.44	5.99	2.7	140.0
D909385		70.6	5.87	17.75	0.14	1.9	0.080	2.05	14.2	57.0	1.57	712	519	1.15	5.6	34.3
D909386		33.2	2.27	20.3	0.17	2.0	0.025	1.95	15.9	12.4	0.69	347	0.66	5.05	1.8	36.6
D909387		419	4.89	9.89	0.15	0.4	0.035	1.81	5.0	14.6	2.70	1045	29.8	1.76	0.7	126.0
D909388		16.8	6.68	11.05	0.14	0.6	0.037	1.39	6.8	26.9	4.18	1225	9.54	2.13	0.7	155.0
D909389		35.7	2.48	19.55	0.18	2.2	0.021	1.19	15.5	8.6	1.14	363	0.35	5.88	1.9	54.0
D909390		96.0	8.46	16.85	0.15	1.3	0.059	0.37	8.1	16.6	3.27	1155	0.50	1.94	4.0	137.5

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 19-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22296606

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
D909351		1560	87.5	58.1	0.010	1.59	0.14	19.6	2	0.4	338	0.13	2.19	0.90	0.368	0.41
D909352		1790	8.1	52.6	0.007	0.67	0.10	22.6	2	0.5	157.5	0.10	0.33	1.01	0.261	0.32
D909353		990	4040	21.8	0.013	1.80	0.14	13.5	4	0.2	69.0	0.05	32.9	0.69	0.121	0.14
D909354		290	1365	32.7	0.002	1.14	0.34	25.1	1	0.2	323	<0.05	7.27	0.40	0.110	0.20
D909355		1020	24.8	47.9	0.016	0.75	4.59	10.2	7	1.7	718	0.45	0.65	3.13	0.340	0.37
D909356		470	35.0	14.7	0.002	0.15	0.07	37.6	2	0.3	195.5	<0.05	0.31	0.45	0.116	0.25
D909357		780	20.9	26.8	0.010	0.55	0.11	17.8	2	0.3	230	0.08	2.67	0.54	0.203	0.21
D909358		2070	10.6	24.2	<0.002	0.30	0.10	25.8	3	0.4	287	0.14	0.12	1.18	0.329	0.20
D909359		30	999	2.8	<0.002	0.13	0.07	1.5	2	<0.2	17.3	<0.05	4.57	0.20	0.016	0.02
D909360		490	7.4	9.2	<0.002	0.03	0.05	28.0	2	0.8	215	0.27	<0.05	1.21	0.625	0.05
D909361		130	16.9	66.7	<0.002	0.04	0.05	5.5	2	1.8	30.2	0.65	<0.05	4.69	0.103	0.25
D909362		80	13.1	66.2	<0.002	0.03	<0.05	5.4	1	1.9	42.5	0.72	<0.05	5.08	0.087	0.28
D909363		170	17.7	60.4	<0.002	0.12	0.05	14.8	1	1.3	58.0	0.56	0.19	3.79	0.177	0.24
D909364		200	13.7	47.6	0.005	0.39	0.06	33.4	1	0.4	226	0.11	0.45	0.58	0.330	0.31
D909365		330	51.2	35.4	0.003	0.40	0.09	32.0	1	1.1	455	0.07	2.50	0.40	0.203	0.27
D909366		320	60.4	25.4	0.003	0.43	0.10	28.0	2	1.4	364	0.07	2.16	0.37	0.191	0.20
D909367		1060	14.8	33.3	0.002	0.65	0.09	17.5	2	3.0	272	0.08	1.49	0.62	0.235	0.21
D909368		210	8.4	15.2	<0.002	0.14	0.06	38.5	2	1.9	95.6	0.05	0.13	0.46	0.113	0.19
D909369		180	9.7	32.8	<0.002	0.40	0.05	40.2	1	2.9	127.0	0.05	0.86	0.40	0.133	0.25
D909370		510	8.6	36.4	<0.002	0.04	0.67	6.7	1	0.9	216	0.41	0.22	3.03	0.222	0.17
D909371		150	40.8	46.2	0.002	0.22	0.05	32.8	2	2.9	119.0	<0.05	0.94	0.33	0.140	0.36
D909372		240	2380	40.1	0.002	0.17	0.20	41.3	3	5.5	101.0	<0.05	3.59	0.49	0.139	0.32
D909373		60	9810	14.2	<0.002	0.82	0.54	3.3	4	2.3	34.9	0.10	37.5	0.80	0.027	0.07
D909374		90	52.7	59.6	<0.002	0.08	0.12	5.9	3	3.4	82.7	0.80	0.14	5.84	0.088	0.27
D909375		530	36.0	8.0	<0.002	0.04	0.05	30.4	2	0.8	231	0.29	0.10	1.38	0.677	0.07
D909376		90	20.4	46.6	<0.002	0.05	<0.05	5.8	4	1.8	174.0	0.79	0.05	5.52	0.092	0.23
D909377		550	20.2	52.9	<0.002	0.06	0.10	6.2	3	2.2	308	0.48	<0.05	4.71	0.189	0.30
D909378		1060	44.7	16.2	<0.002	0.18	0.18	13.2	3	1.5	722	0.18	0.30	5.99	0.337	0.15
D909379		710	25.8	5.8	<0.002	0.13	0.09	4.5	2	1.0	636	0.14	0.09	3.23	0.215	0.07
D909380		710	18.6	9.5	<0.002	0.12	0.10	4.6	1	0.5	604	0.13	0.07	2.62	0.212	0.09
D909381		720	17.6	11.9	<0.002	0.08	0.11	5.5	3	0.6	629	0.16	0.10	3.54	0.245	0.09
D909382		740	10.7	18.6	<0.002	0.08	0.13	4.4	2	0.5	586	0.15	0.05	2.39	0.214	0.17
D909383		1050	14.3	17.9	<0.002	0.09	0.22	7.1	3	0.6	629	0.19	0.09	4.38	0.316	0.14
D909384		1280	18.4	13.1	<0.002	0.16	0.47	11.0	1	0.6	674	0.18	0.14	5.45	0.365	0.13
D909385		660	25.7	50.1	0.030	2.65	16.65	11.3	2	1.1	238	0.36	0.58	1.70	0.263	4.27
D909386		720	10.2	43.6	<0.002	0.11	0.22	4.8	1	0.5	548	0.13	0.08	2.89	0.193	0.27
D909387		150	540	49.5	0.009	0.46	0.15	28.8	1	0.3	148.0	0.05	2.59	0.30	0.115	0.33
D909388		190	35.0	28.0	<0.002	0.04	0.15	41.2	1	0.3	204	0.05	0.08	0.53	0.112	0.22
D909389		750	25.1	23.2	<0.002	0.09	0.21	5.2	1	0.5	575	0.13	0.06	2.68	0.218	0.20
D909390		520	2.7	11.1	<0.002	0.03	0.06	28.9	1	0.7	224	0.25	<0.05	1.10	0.667	0.06

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Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22296606

Sample Description	Method / Analyte / Units / LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Pb-OG62 Pb % 0.001
D909351		0.3	189	7.9	14.8	116	81.9	
D909352		0.2	166	2.0	14.7	99	83.6	
D909353		0.2	94	1.6	7.5	543	44.9	
D909354		0.1	127	4.5	6.6	104	23.9	
D909355		0.7	133	19.5	10.2	124	13.6	
D909356		0.1	197	3.2	6.7	120	36.4	
D909357		0.2	105	6.9	8.7	106	45.8	
D909358		0.3	193	1.4	15.4	117	106.5	
D909359		0.1	9	3.3	1.3	40	6.9	
D909360		0.2	209	0.3	19.6	109	50.3	
D909361		1.1	11	1.7	38.4	98	212	
D909362		1.2	11	1.2	23.9	74	230	
D909363		0.9	64	2.2	22.1	119	175.5	
D909364		0.4	180	2.6	9.0	178	41.0	
D909365		0.2	147	5.4	12.7	180	32.1	
D909366		0.2	136	7.0	11.9	166	29.1	
D909367		0.2	115	4.0	10.9	116	55.2	
D909368		0.1	181	0.8	5.8	150	25.9	
D909369		0.1	175	0.9	6.3	138	24.0	
D909370		1.3	40	19.5	17.9	51	61.2	
D909371		0.1	153	0.8	5.7	111	19.1	
D909372		0.1	197	0.8	7.1	713	25.6	
D909373		0.2	20	0.6	3.9	2820	32.3	1.000
D909374		1.4	29	1.3	24.8	184	240	
D909375		0.3	217	0.3	20.9	130	53.1	
D909376		1.3	31	1.3	22.7	81	241	
D909377		1.2	47	1.4	14.9	87	175.0	
D909378		1.5	98	3.4	10.9	177	109.0	
D909379		0.6	42	2.3	4.2	92	81.4	
D909380		0.6	50	2.7	4.4	89	82.6	
D909381		0.7	54	3.1	5.3	81	91.4	
D909382		0.6	61	2.7	3.8	75	86.8	
D909383		1.1	81	3.2	7.7	82	105.5	
D909384		1.3	84	2.7	12.3	97	115.5	
D909385		0.5	242	63.6	7.0	122	78.3	
D909386		0.7	54	2.1	4.3	54	83.5	
D909387		0.1	140	3.1	6.2	189	15.4	
D909388		0.1	179	1.3	7.2	119	21.3	
D909389		0.7	65	2.9	5.1	69	87.3	
D909390		0.2	215	0.3	19.7	106	42.4	

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

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 19-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22296606

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
D909391		1.92	0.030		0.58	6.02	1.4	370	0.57	0.51	2.59	0.21	38.1	19.4	108	0.55
D909392		1.39	0.188		0.53	7.22	1.9	150	0.63	0.14	3.94	0.47	18.25	44.1	438	0.58
D909393		2.67	0.006		0.05	8.32	1.6	80	0.17	0.39	5.51	0.08	6.26	56.5	562	0.40
D909394		3.38	0.014		0.45	7.89	5.7	80	0.15	0.63	7.88	0.19	5.47	61.5	445	1.21
D909395		1.52	0.058		0.56	6.90	1.2	150	0.42	0.16	5.74	0.21	5.73	57.6	467	0.97
D909396		1.61	0.016		0.19	8.16	1.1	120	0.33	0.11	4.04	0.14	8.31	53.2	271	1.04
D909397		1.60	0.015		0.02	8.01	1.0	120	0.27	0.20	5.22	0.12	5.64	51.5	703	1.02
D909398		2.78	0.063		0.56	7.00	1.0	200	0.42	0.15	6.42	0.11	4.89	44.1	397	1.72
D909399		2.89	4.85		11.35	2.07	1.0	190	0.38	1.54	0.43	3.40	22.6	9.2	26	0.26
D909400		0.11	5.20		3.31	7.63	103.5	1550	1.10	2.12	3.28	0.60	26.1	14.2	30	1.40
D909401		3.80	0.070		0.08	6.26	0.8	280	1.10	0.11	1.19	0.13	60.4	11.0	10	0.61
D909402		1.28	0.040		0.17	6.70	1.5	310	1.16	0.32	1.38	0.10	55.8	35.9	41	0.82
D909403		3.89	0.647		2.24	6.36	2.0	220	0.69	0.55	5.40	0.40	21.9	46.6	286	1.06
D909404		3.14	1.500		3.24	6.89	1.1	190	0.84	0.07	5.94	0.53	7.18	43.0	294	0.95
D909405		1.10	0.005		0.06	8.21	0.7	110	0.49	0.06	7.41	0.12	20.9	39.8	191	0.40
D909406		5.08	0.236		0.69	7.71	1.2	130	0.49	0.14	3.42	0.24	6.72	56.0	330	0.89
D909407		0.84	0.006		0.08	7.87	1.6	80	0.29	0.16	4.65	0.09	4.86	55.9	340	1.25
D909408		1.77	<0.005		0.03	8.10	1.7	70	0.26	0.35	8.01	0.12	5.90	47.5	556	0.40
D909409		3.25	<0.005		0.04	7.59	2.0	70	0.21	0.17	7.17	0.12	6.49	55.6	384	0.53
D909410		2.28	0.057		0.75	6.84	1.4	250	0.34	0.75	4.39	0.22	6.54	53.3	601	1.30
D909411		2.19	0.057		0.37	8.08	1.2	830	0.93	0.41	3.08	0.19	7.65	68.8	1140	1.80
D909412		2.71	2.30		16.75	0.33	0.8	30	<0.05	6.52	0.22	2.10	0.57	11.6	45	0.08
D909413		1.93	0.884		5.19	2.34	1.3	80	0.21	1.14	2.73	0.73	1.76	28.6	278	0.95
D909414		1.85	0.436		2.45	5.92	0.9	150	0.49	0.37	4.98	0.37	7.59	73.4	445	1.80
D909415		0.11	1.640		97.0	7.17	407	270	1.00	3.78	3.85	32.2	29.9	26.3	65	1.80
D909416		3.08	0.062		0.82	6.48	1.0	190	0.71	0.29	2.34	0.22	46.0	26.4	171	0.73
D909417		1.83	0.107		0.25	5.94	0.6	200	0.77	0.28	1.48	0.15	59.7	7.6	16	0.48
D909418		2.04	0.276		1.00	6.38	1.5	180	0.62	0.30	3.36	0.19	51.9	72.1	338	2.78
D909419		3.38	0.815		4.00	4.50	1.1	180	0.55	0.23	3.32	2.40	36.8	60.2	276	1.90
D909420		1.15	0.005		0.08	7.92	<0.2	100	0.44	0.15	7.50	0.13	18.85	40.4	180	0.30
D909421		1.58	1.180		6.42	4.14	1.3	300	0.55	5.19	3.83	1.07	31.4	34.8	249	2.37
D909422		1.34	1.735		6.04	1.24	0.9	80	0.14	2.55	0.85	0.91	4.11	14.8	70	0.22
D909423		1.98	0.047		4.49	2.98	0.5	160	0.26	8.27	0.78	1.74	20.9	11.2	32	0.21
D909424		3.11	0.006		0.06	6.32	1.0	270	0.56	0.10	0.97	0.13	64.8	6.4	7	0.61
D909425		1.18	1.300		3.35	2.88	1.0	660	0.31	0.71	4.16	0.34	16.90	14.0	167	0.64
D909426		1.04	2.83		5.70	3.26	1.2	1180	0.43	0.17	7.83	0.54	8.21	29.4	435	1.81
D909427		2.88	0.895		1.12	6.72	0.9	240	1.10	0.16	2.98	0.21	17.90	39.4	62	1.31
D909428		3.54	0.517		0.88	5.91	1.1	80	0.52	0.15	4.78	0.15	9.71	34.6	51	0.84
D909429		2.16	0.010		0.14	7.49	1.8	130	0.39	0.33	5.64	0.07	10.80	39.1	63	0.83
D909430		0.11	1.785		95.8	6.80	369	160	0.92	3.99	3.57	31.7	31.1	28.1	57	1.77

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TORONTO ON M5V 3X4

Finalized Date: 19-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22296606

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
D909391		28.8	2.91	14.55	0.15	1.6	0.021	0.43	20.6	7.3	1.34	488	1.99	4.27	1.6	92.8
D909392		50.1	4.61	16.70	0.13	0.9	0.030	0.66	14.1	5.6	1.61	891	23.4	4.99	1.1	130.0
D909393		19.6	6.93	13.00	0.14	0.4	0.042	0.38	9.5	25.9	3.89	1320	3.66	1.46	0.8	187.0
D909394		350	8.07	12.00	0.12	0.3	0.073	0.68	3.9	21.4	3.78	1245	5.16	0.60	1.0	184.5
D909395		84.9	6.39	9.61	0.09	0.5	0.037	0.69	3.4	28.9	4.24	1230	9.57	1.93	1.1	155.0
D909396		62.1	7.62	10.70	0.12	0.8	0.034	0.62	4.2	34.3	5.22	1205	15.65	2.20	2.1	121.5
D909397		13.2	6.29	9.83	0.12	0.3	0.042	0.63	3.3	27.5	4.74	1185	4.34	1.87	1.3	140.5
D909398		42.0	6.39	8.67	0.12	0.4	0.027	1.00	2.4	36.8	5.34	1245	37.6	1.55	0.9	186.0
D909399		183.0	1.13	5.37	0.12	1.7	0.041	0.84	9.6	2.7	0.19	121	44.6	0.37	2.6	5.7
D909400		6110	5.45	18.05	0.13	0.5	0.126	2.13	12.6	13.6	1.24	818	11.70	2.54	8.2	17.7
D909401		7.0	1.78	15.80	0.16	5.7	0.068	2.92	26.6	8.5	0.59	305	2.47	0.09	10.1	3.1
D909402		60.6	3.44	17.80	0.16	4.6	0.048	2.34	23.2	11.1	1.05	438	7.80	0.54	7.9	23.8
D909403		181.0	5.07	12.10	0.12	0.9	0.033	1.54	9.7	9.3	2.42	1080	31.2	2.76	1.1	140.0
D909404		24.3	5.35	15.15	0.10	0.5	0.029	1.41	4.1	11.4	2.71	1590	5.83	3.61	1.0	132.5
D909405		58.4	8.83	16.05	0.12	1.3	0.057	0.36	8.2	18.3	3.45	1215	0.59	1.94	4.0	140.5
D909406		59.4	6.47	11.60	0.12	0.5	0.027	0.96	8.0	28.1	4.29	1610	6.28	2.21	0.9	161.0
D909407		30.9	6.55	9.29	0.11	0.2	0.032	0.92	3.1	26.5	4.30	1180	4.20	1.96	1.3	164.0
D909408		9.8	6.35	10.65	0.11	0.5	0.046	0.34	2.8	14.3	3.95	1265	4.70	1.43	1.2	164.0
D909409		19.0	6.98	9.28	0.10	0.4	0.034	0.48	2.7	17.6	5.47	1400	18.15	1.23	1.2	208
D909410		30.3	6.18	8.10	0.10	0.3	0.029	1.00	2.8	28.6	5.42	1200	23.4	0.98	0.9	259
D909411		38.2	6.18	11.45	0.12	0.4	0.034	2.01	3.2	30.7	4.49	1130	21.1	1.36	1.0	222
D909412		958	0.87	0.99	0.06	<0.1	0.030	0.07	<0.5	0.6	0.09	90	242	0.16	0.1	8.9
D909413		173.5	2.54	3.75	0.09	0.2	0.012	0.56	0.8	13.7	2.90	584	61.6	0.34	0.3	146.5
D909414		37.5	5.71	9.03	0.11	0.5	0.030	1.02	3.0	26.4	5.26	1360	105.5	1.56	0.6	216
D909415		3310	7.11	15.00	0.12	1.6	0.518	1.59	14.9	19.9	1.88	1035	175.0	1.87	4.6	148.0
D909416		273	3.45	15.30	0.14	3.7	0.052	1.29	21.0	14.4	2.15	591	76.2	2.28	5.3	56.3
D909417		41.4	1.76	14.70	0.15	4.2	0.033	1.43	27.1	4.9	0.48	316	31.2	2.48	6.7	9.0
D909418		259	7.29	12.10	0.15	1.8	0.054	1.51	19.0	29.3	4.69	1030	61.4	1.06	1.3	216
D909419		65.2	4.91	8.63	0.12	1.3	0.033	1.42	11.9	19.5	3.00	745	19.90	0.89	1.4	139.0
D909420		77.5	8.30	15.35	0.12	1.0	0.057	0.31	7.4	16.5	3.30	1130	0.89	1.79	3.5	139.0
D909421		394	4.67	8.12	0.11	1.0	0.035	1.28	10.3	18.5	2.89	764	77.0	1.51	0.9	141.5
D909422		712	1.15	2.61	0.09	0.2	0.024	0.26	1.9	1.7	0.34	259	59.6	0.64	0.3	17.8
D909423		277	1.14	5.93	0.10	2.0	0.035	0.82	7.9	4.8	0.56	204	9.05	0.79	2.6	13.0
D909424		7.8	2.01	14.80	0.15	5.4	0.064	2.47	28.6	10.5	0.98	325	2.46	0.48	6.2	10.8
D909425		50.5	2.54	6.92	0.11	1.2	0.028	0.39	7.4	5.2	1.90	730	13.90	1.95	1.0	64.3
D909426		46.6	4.37	8.38	0.07	0.5	0.039	0.98	3.9	14.5	4.24	1240	77.5	1.78	0.5	161.5
D909427		293	6.76	14.05	0.11	1.9	0.045	1.88	6.9	17.6	1.80	981	1.74	2.47	3.0	43.1
D909428		158.5	7.21	11.85	0.10	1.1	0.050	0.79	4.0	17.2	2.41	1140	11.75	1.45	2.5	33.9
D909429		118.0	8.15	14.30	0.10	1.0	0.057	0.71	4.3	20.2	2.82	1240	18.35	0.73	3.2	54.7
D909430		3080	6.77	14.45	0.15	1.6	0.515	1.50	15.1	18.8	1.76	948	166.5	1.78	4.8	145.0

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
D909391		770	101.0	11.4	<0.002	0.10	0.17	7.6	1	0.4	428	0.10	0.26	3.06	0.205	0.12
D909392		230	22.4	19.9	0.004	0.32	0.11	27.7	1	0.3	383	0.07	0.49	1.24	0.142	0.16
D909393		190	9.1	3.7	<0.002	0.03	0.17	38.1	1	0.4	99.0	0.06	<0.05	0.60	0.154	0.10
D909394		160	14.6	18.0	<0.002	0.71	0.19	36.3	1	3.2	131.5	0.07	0.12	0.27	0.166	0.18
D909395		160	20.0	22.4	0.003	0.35	0.08	35.8	1	0.7	125.5	0.08	0.88	0.30	0.180	0.18
D909396		250	13.1	16.6	0.003	0.18	0.11	34.6	1	0.7	134.0	0.15	0.21	0.55	0.302	0.17
D909397		190	10.2	14.5	<0.002	0.02	0.13	37.8	1	1.0	176.5	0.08	<0.05	0.30	0.187	0.20
D909398		140	12.6	33.0	0.010	0.27	0.07	36.4	1	0.2	244	0.07	0.84	0.23	0.159	0.27
D909399		30	811	20.9	<0.002	0.58	0.13	2.2	2	0.5	23.6	0.21	9.05	1.57	0.028	0.09
D909400		990	22.6	47.9	0.016	0.73	4.37	10.2	6	1.6	699	0.44	0.71	2.95	0.334	0.37
D909401		90	16.4	77.4	<0.002	0.04	0.05	5.9	1	2.0	22.8	0.76	0.06	5.35	0.100	0.29
D909402		150	9.1	66.0	<0.002	0.33	0.05	11.0	1	1.2	56.1	0.61	0.15	4.49	0.147	0.29
D909403		480	78.8	43.9	0.005	1.09	0.14	29.3	1	0.3	318	0.07	1.67	0.80	0.159	0.26
D909404		100	22.1	42.2	0.002	0.64	0.07	35.7	1	0.6	385	0.06	3.69	0.31	0.152	0.24
D909405		520	3.4	9.2	<0.002	0.03	0.06	28.4	1	0.8	216	0.26	<0.05	1.12	0.672	0.05
D909406		160	11.7	16.0	<0.002	0.30	0.09	37.7	1	0.2	167.0	0.06	0.66	0.57	0.146	0.21
D909407		180	14.4	14.5	<0.002	0.03	0.18	38.9	1	0.2	195.0	0.08	0.06	0.25	0.195	0.29
D909408		170	7.5	5.0	<0.002	0.03	0.20	39.6	1	0.6	178.5	0.08	<0.05	0.30	0.187	0.10
D909409		160	11.1	9.6	0.009	0.03	0.32	38.6	1	0.6	180.5	0.07	<0.05	0.26	0.176	0.14
D909410		140	329	31.2	0.002	0.11	0.15	34.3	1	0.4	123.5	0.07	0.89	0.28	0.149	0.24
D909411		160	159.5	50.4	0.004	0.29	0.11	37.8	1	0.4	175.0	0.07	0.66	0.33	0.168	0.36
D909412		20	2530	1.9	0.006	0.63	0.20	1.0	2	<0.2	8.8	<0.05	11.55	0.02	0.006	0.02
D909413		40	540	18.3	0.007	0.26	0.11	11.4	1	<0.2	72.8	<0.05	4.01	0.10	0.051	0.14
D909414		100	27.1	36.4	0.020	0.78	0.06	33.8	1	0.5	197.5	<0.05	4.67	0.24	0.120	0.28
D909415		810	3920	44.3	0.141	3.14	242	10.0	10	4.4	357	0.33	0.36	3.26	0.328	3.69
D909416		160	15.3	32.1	0.012	0.38	0.15	16.0	1	1.0	121.0	0.42	0.34	3.33	0.114	0.17
D909417		90	20.6	36.0	0.002	0.48	0.07	5.0	1	1.0	93.5	0.57	0.21	4.26	0.072	0.14
D909418		1700	15.8	54.1	0.005	0.57	0.06	22.8	1	0.4	123.5	0.09	1.61	0.97	0.281	0.44
D909419		1260	1305	47.3	0.002	0.68	0.28	17.2	1	0.4	153.5	0.09	5.81	0.70	0.241	0.36
D909420		500	4.2	7.5	<0.002	0.03	0.09	26.4	1	0.8	223	0.23	<0.05	1.02	0.614	0.05
D909421		1110	1375	42.7	0.002	0.94	0.12	15.8	2	0.3	280	0.05	6.58	0.60	0.208	0.32
D909422		110	1085	7.4	0.002	0.42	0.07	4.0	2	<0.2	64.1	<0.05	4.41	0.34	0.020	0.04
D909423		60	1010	17.7	<0.002	0.12	0.05	4.3	1	0.6	68.1	0.21	1.87	2.15	0.040	0.07
D909424		130	15.7	55.6	<0.002	0.01	0.05	6.3	1	1.8	40.5	0.45	0.05	5.14	0.086	0.23
D909425		80	265	13.8	0.003	0.18	0.10	14.6	1	0.2	431	0.09	7.65	0.98	0.044	0.10
D909426		60	80.4	39.3	0.019	0.22	0.13	26.3	1	0.3	612	<0.05	14.45	0.34	0.064	0.30
D909427		340	12.6	49.7	<0.002	1.45	0.05	29.2	1	0.7	313	0.20	0.92	1.06	0.399	0.28
D909428		340	9.2	22.8	0.005	1.13	0.08	27.6	1	0.6	204	0.15	0.71	0.40	0.377	0.13
D909429		410	9.5	17.3	0.007	0.59	0.16	33.6	2	0.6	160.5	0.20	0.20	0.47	0.466	0.13
D909430		770	3680	43.0	0.136	2.97	229	9.8	10	4.5	323	0.33	0.39	3.44	0.305	3.71

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

ALS Canada Ltd.
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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 19-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22296606

Sample Description / Method / Analyte / Units / LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Pb-OG62 Pb % 0.001
D909391	0.6	61	2.6	7.0	82	65.8	
D909392	0.3	153	3.6	8.2	146	41.9	
D909393	0.1	193	1.0	13.3	113	14.0	
D909394	0.1	172	0.8	12.3	147	11.6	
D909395	0.1	152	1.4	12.4	157	20.5	
D909396	0.1	173	1.0	15.7	154	33.8	
D909397	0.1	151	0.7	12.2	129	13.1	
D909398	0.1	153	0.5	8.8	116	13.4	
D909399	0.4	7	0.8	6.8	279	63.2	
D909400	0.7	130	19.6	9.6	123	13.1	
D909401	1.2	7	1.3	24.3	59	220	
D909402	1.0	70	2.6	22.4	53	180.0	
D909403	0.3	124	6.7	9.0	110	39.0	
D909404	0.1	165	8.3	7.5	142	18.7	
D909405	0.2	213	0.3	19.8	111	47.1	
D909406	0.1	168	3.3	8.2	122	16.3	
D909407	0.1	165	0.8	12.2	104	8.6	
D909408	0.1	174	0.7	12.7	111	15.7	
D909409	0.1	164	6.9	11.7	128	12.6	
D909410	0.1	145	1.0	9.2	115	10.1	
D909411	0.1	191	3.1	8.6	150	14.0	
D909412	<0.1	5	0.6	0.5	125	1.2	
D909413	<0.1	58	0.6	2.8	120	6.5	
D909414	0.1	140	1.8	6.3	168	17.0	
D909415	1.9	121	12.9	13.9	6300	56.8	
D909416	0.7	71	1.7	15.7	77	144.0	
D909417	0.9	15	2.2	17.2	39	163.0	
D909418	0.2	169	2.4	15.5	107	85.0	
D909419	0.2	114	3.0	10.3	223	60.4	
D909420	0.2	209	0.3	17.9	104	37.8	
D909421	0.2	108	2.5	9.2	177	48.6	
D909422	0.1	17	0.8	1.8	66	8.3	
D909423	0.5	19	0.9	7.8	145	68.8	
D909424	1.2	15	0.8	23.1	43	200	
D909425	0.4	40	3.1	7.7	76	48.5	
D909426	0.3	84	2.6	8.3	152	20.3	
D909427	0.3	199	10.9	11.7	112	77.0	
D909428	0.1	194	4.8	14.8	109	42.8	
D909429	0.1	224	1.0	21.6	126	40.0	
D909430	2.0	113	12.8	14.2	5800	57.3	

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 19-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22296606

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
D909431		1.10	1.475		5.30	2.56	1.3	50	0.20	0.70	3.14	3.06	3.69	21.8	104	0.77
D909432		1.77	0.544		4.68	0.96	1.2	30	0.10	0.54	1.81	0.20	2.23	19.6	68	0.65
D909433		1.51	0.076		0.44	6.95	0.9	200	0.70	0.11	8.25	0.31	4.99	41.4	303	2.47
D909434		1.74	0.277		0.53	6.82	1.0	90	0.59	0.08	5.82	0.17	4.62	46.7	211	1.34
D909435		2.36	<0.005		0.07	7.86	1.1	90	0.42	0.11	7.41	0.12	18.35	40.8	180	0.43
D909436		1.84	1.520		3.19	5.94	1.5	90	0.58	0.09	3.93	0.22	3.59	57.7	179	1.07
D909437		2.25	0.548		1.04	5.83	1.2	130	0.47	0.14	3.56	0.34	4.42	44.8	181	0.95
D909438		2.63	0.019		0.17	7.21	1.1	130	0.33	0.02	4.91	0.08	4.47	56.2	263	0.52
D909439		1.24	0.021		0.34	7.21	1.3	240	0.56	0.12	5.51	0.13	9.25	70.8	65	1.87
D909440		1.54	0.012		0.21	7.41	1.6	70	0.46	0.28	9.34	0.15	10.90	60.5	63	0.41
D909441		0.90	0.010		0.17	6.87	1.2	80	0.43	0.28	8.18	0.10	8.45	45.5	62	0.74
D909442		0.74	0.027		0.21	5.78	1.2	100	0.41	0.22	6.98	0.12	7.26	44.4	52	0.78
D909443		2.05	0.008		0.13	7.70	2.1	100	0.39	0.27	9.40	0.11	9.91	53.2	67	0.49

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 19-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22296606

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
D909431		34.4	2.06	6.47	0.07	0.5	0.020	0.36	1.6	3.2	1.12	532	773	1.69	0.7	40.8
D909432		7.2	1.09	2.81	0.06	0.1	0.008	0.30	1.0	3.2	0.71	399	33.0	0.39	0.2	15.3
D909433		105.0	5.84	10.90	0.08	0.6	0.031	1.85	2.1	31.5	4.47	1380	165.5	2.07	1.0	129.0
D909434		86.4	6.34	9.88	0.08	0.7	0.033	1.88	2.7	21.5	3.07	1205	0.60	2.07	1.1	81.1
D909435		70.1	8.11	14.95	0.12	1.1	0.058	0.32	7.2	16.2	3.17	1090	2.70	1.84	3.7	131.5
D909436		151.0	4.65	10.55	0.09	0.5	0.024	1.31	2.1	14.8	2.03	947	1.03	2.53	0.8	58.0
D909437		117.5	5.01	8.41	0.09	0.4	0.027	1.69	3.1	20.4	2.36	946	4.68	1.22	0.8	57.3
D909438		62.9	7.09	9.65	0.09	0.5	0.039	1.91	2.1	27.7	3.48	1150	0.32	0.71	1.3	92.9
D909439		364	10.15	14.95	0.10	0.6	0.067	0.87	3.5	15.5	3.23	1635	1.07	1.82	2.9	105.0
D909440		407	9.14	20.2	0.10	1.0	0.094	0.25	4.4	4.9	2.31	1680	0.49	1.06	2.7	104.5
D909441		217	7.95	17.70	0.08	0.8	0.072	0.27	3.2	7.5	2.05	1455	0.84	0.95	2.5	80.7
D909442		140.5	7.35	14.30	0.08	0.6	0.054	0.30	2.9	9.2	2.11	1420	1.13	1.16	2.1	76.7
D909443		217	9.35	18.85	0.10	1.0	0.077	0.25	3.8	3.4	2.36	1695	0.63	0.97	2.9	99.3

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1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 19-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22296606

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
D909431		170	1225	9.2	0.026	0.99	0.47	9.7	1	<0.2	131.5	<0.05	5.62	0.25	0.077	0.07
D909432		70	380	7.8	0.003	0.29	0.17	6.8	1	<0.2	42.2	<0.05	3.47	0.06	0.029	0.07
D909433		130	17.7	53.6	0.043	0.56	0.05	36.6	<1	0.3	286	0.07	0.38	0.23	0.171	0.37
D909434		150	8.9	47.9	<0.002	0.24	0.05	38.6	<1	0.3	213	0.07	0.39	0.23	0.202	0.28
D909435		460	6.4	8.6	0.002	0.03	<0.05	26.9	1	0.7	209	0.23	<0.05	0.99	0.617	0.05
D909436		110	46.9	37.1	<0.002	0.71	0.05	29.1	1	0.2	193.0	0.05	1.75	0.20	0.149	0.20
D909437		120	34.4	40.5	<0.002	0.35	<0.05	29.6	1	0.2	141.0	0.05	0.72	0.44	0.152	0.20
D909438		180	6.2	14.1	<0.002	0.15	<0.05	38.2	1	0.3	91.0	0.09	0.07	0.24	0.226	0.19
D909439		330	14.9	27.2	<0.002	0.35	0.12	33.7	2	0.6	388	0.17	0.15	0.29	0.582	0.22
D909440		290	9.9	5.9	<0.002	0.64	0.19	32.1	1	0.9	244	0.16	0.10	0.32	0.564	0.05
D909441		280	8.0	9.4	<0.002	0.23	0.18	30.6	1	0.6	363	0.16	0.09	0.29	0.527	0.06
D909442		260	7.0	10.0	<0.002	0.29	0.10	24.9	1	0.6	233	0.14	0.20	0.25	0.455	0.08
D909443		310	5.6	7.1	<0.002	0.31	0.20	34.0	1	0.7	251	0.18	0.09	0.33	0.604	0.04

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Finalized Date: 19-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22296606

Sample Description	Method / Analyte / Units / LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Pb-OG62 Pb % 0.001
D909431		0.1	37	2.4	3.6	376	20.9	
D909432		0.1	15	1.0	1.9	48	3.3	
D909433		0.1	184	2.6	7.5	118	21.5	
D909434		0.1	181	2.8	10.5	85	19.5	
D909435		0.2	205	0.3	18.6	106	44.0	
D909436		0.1	143	4.9	7.3	82	15.1	
D909437		0.1	150	3.3	6.7	125	15.5	
D909438		0.1	184	2.2	9.2	84	19.0	
D909439		0.1	269	1.4	17.0	177	16.6	
D909440		0.2	284	1.2	19.1	131	30.6	
D909441		0.1	242	1.1	15.4	111	24.8	
D909442		0.1	221	2.1	12.9	118	17.1	
D909443		0.1	285	0.9	17.8	142	28.3	

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Finalized Date: 19-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22296606

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REEs may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

CRU-31	CRU-QC	LOG-21	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	Au-GRA22	ME-MS61	ME-OG62
Pb-OG62			

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To: HERITAGE MINING LTD.
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TORONTO ON M5V 3X4

Finalized Date: 5-SEP-2022
This copy reported on
29-SEP-2022
Account: HMLHKDXF

CERTIFICATE TB22219858

Project: Drayton-Black Lake

This report is for 119 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 5-AUG-2022.

The following have access to data associated with this certificate:

STEVE KING PETER SCHLOO	MITCHELL LAVERY	HARRISON REID

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Cu-AA61	Trace Cu - four-acid digestion	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	

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

Signature:
Saa Traxler, Director, North Vancouver Operations

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Finalized Date: 5-SEP-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22219858

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-GRA21 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
D909001		1.53	0.023													
D909002		1.47	>10.0	32.6												
D909003		1.96	0.033													
D909004		1.28	0.186													
D909005		1.67	0.020													
D909006		1.11	<0.005													
D909007		1.38	4.20													
D909008		2.08	>10.0	12.45												
D909009		2.14	>10.0	24.6												
D909010		1.17	0.141													
D909011		1.52	0.126													
D909012		1.91	0.019		0.23	2.42	358	60	<0.05	0.03	6.25	0.39	9.69	60.2	947	0.25
D909013		2.85	>10.0	58.1												
D909014		Not Recvd														
D909051		1.06	6.09													
D909052		1.33	1.345													
D909053		1.54	0.068													
D909054		1.38	0.015													
D909055		1.27	0.010													
D909056		1.39	0.022													
D909057		1.87	0.007													
D909058		1.50	>10.0	46.5												
D909059		1.87	3.75													
D909060		1.62	0.013													
D909061		1.97	0.021													
D909062		2.11	2.29													
D909063		1.57	0.012													
D909064		1.11	0.007													
D909065		1.53	0.026													
D909066		1.32	<0.005													
D909067		1.19	0.018													
D909068		1.52	<0.005													
D909069		2.79	0.009													
D909070		1.32	0.776													
D909071		1.56	0.012													
D909072		1.60	0.025													
D909073		1.48	<0.005													
D909074		2.03	0.009													
D909075		1.20	0.005													
D909076		1.00	<0.005													

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

ALS Canada Ltd.
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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 5-SEP-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22219858

Sample Description	Method Analyte Units LOD	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
D909001 D909002 D909003 D909004 D909005																
D909006 D909007 D909008 D909009 D909010																
D909011 D909012 D909013 D909014 D909051		135.5	5.55	7.49	0.07	0.8	0.046	0.26	4.1	8.2	2.06	1390	0.63	0.07	0.7	359
D909052 D909053 D909054 D909055 D909056																
D909057 D909058 D909059 D909060 D909061																
D909062 D909063 D909064 D909065 D909066																
D909067 D909068 D909069 D909070 D909071																
D909072 D909073 D909074 D909075 D909076																

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Finalized Date: 5-SEP-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22219858

Sample Description	Method Analyte Units LOD	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02
D909001																
D909002																
D909003																
D909004																
D909005																
D909006																
D909007																
D909008																
D909009																
D909010																
D909011																
D909012		90	23.7	8.1	<0.002	0.04	0.65	19.8	1	0.2	33.0	0.05	0.12	0.39	0.051	0.06
D909013																
D909014																
D909051																
D909052																
D909053																
D909054																
D909055																
D909056																
D909057																
D909058																
D909059																
D909060																
D909061																
D909062																
D909063																
D909064																
D909065																
D909066																
D909067																
D909068																
D909069																
D909070																
D909071																
D909072																
D909073																
D909074																
D909075																
D909076																

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Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22219858

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-AA61
	Analyte	U	V	W	Y	Zn	Zr	Cu
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	1	0.1	0.1	2	0.5	2
D909001								122
D909002								1970
D909003								90
D909004								31
D909005								568
D909006								152
D909007								112
D909008								29
D909009								3200
D909010								368
D909011								24
D909012		0.1	106	0.1	2.6	199	22.1	
D909013								2510
D909014								
D909051								6830
D909052								76
D909053								72
D909054								47
D909055								25
D909056								4
D909057								118
D909058								3740
D909059								141
D909060								61
D909061								78
D909062								50
D909063								80
D909064								53
D909065								144
D909066								53
D909067								220
D909068								16
D909069								118
D909070								4
D909071								36
D909072								125
D909073								203
D909074								185
D909075								67
D909076								31

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1804-80 JOHN STREET
TORONTO ON M5V 3X4

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22219858

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-GRA21 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
D909077		1.20	<0.005													
D909078		1.52	0.949													
D909079		1.17	0.010													
D909080		1.23	0.156													
D909081		1.14	0.137													
D909082		1.73	0.027													
D909083		1.64	<0.005													
D909084		1.43	0.224													
D909085		1.11	<0.005													
D909086		1.90	0.044													
D909087		1.67	0.032													
D909088		1.36	0.006													
D909089		2.15	0.013													
D909090		1.50	0.006													
D909091		2.25	0.020													
D909092		1.50	<0.005													
D909093		0.92	>10.0	112.0												
D909094		1.44	7.18													
D909095		1.87	0.014													
D909096		1.91	0.039													
D909097		1.65	0.049													
D909098		1.16	0.008													
D909099		1.63	0.007													
D909100		1.59	<0.005													
D909101		1.92	0.006													
D909102		0.54	>10.0	33.5												
D909103		1.52	0.057													
D909104		0.72	0.128													
D909105		0.78	2.30													
D909106		1.91	<0.005													
D909107		2.96	0.037													
D909108		0.70	0.007													
D909109		1.21	<0.005													
D909110		2.41	<0.005													
D909111		1.23	0.052													
D909112		1.78	0.012													
D909113		0.70	0.014													
D909114		0.57	6.65													
D909115		1.91	<0.005													
D909116		1.42	<0.005													

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22219858

Sample Description	Method Analyte Units LOD	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
D909077																
D909078																
D909079																
D909080																
D909081																
D909082																
D909083																
D909084																
D909085																
D909086																
D909087																
D909088																
D909089																
D909090																
D909091																
D909092																
D909093																
D909094																
D909095																
D909096																
D909097																
D909098																
D909099																
D909100																
D909101																
D909102																
D909103																
D909104																
D909105																
D909106																
D909107																
D909108																
D909109																
D909110																
D909111																
D909112																
D909113																
D909114																
D909115																
D909116																

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Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22219858

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
D909077																
D909078																
D909079																
D909080																
D909081																
D909082																
D909083																
D909084																
D909085																
D909086																
D909087																
D909088																
D909089																
D909090																
D909091																
D909092																
D909093																
D909094																
D909095																
D909096																
D909097																
D909098																
D909099																
D909100																
D909101																
D909102																
D909103																
D909104																
D909105																
D909106																
D909107																
D909108																
D909109																
D909110																
D909111																
D909112																
D909113																
D909114																
D909115																
D909116																

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1804-80 JOHN STREET
TORONTO ON M5V 3X4

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22219858

Sample Description	Method Analyte Units LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Cu-AA61 Cu ppm 2
D909077								4
D909078								39
D909079								171
D909080								113
D909081								105
D909082								193
D909083								57
D909084								354
D909085								176
D909086								3690
D909087								66
D909088								57
D909089								9
D909090								169
D909091								132
D909092								<2
D909093								4380
D909094								324
D909095								8
D909096								331
D909097								592
D909098								87
D909099								97
D909100								65
D909101								112
D909102								318
D909103								31
D909104								30
D909105								4460
D909106								89
D909107								95
D909108								46
D909109								14
D909110								98
D909111								39
D909112								31
D909113								4
D909114								2
D909115								8
D909116								61

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 5-SEP-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22219858

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-GRA21 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
D909117		1.17	0.011													
D909118		1.24	0.033													
D909119		1.96	1.970													
D909120		3.37	0.847													
D909121		0.80	<0.005													
D909122		1.53	0.257													
D909123		1.23	0.008													
D909124		0.77	4.21													
D909125		1.42	<0.005													
D909126		1.01	<0.005													
D909127		1.37	0.006													
D909128		1.85	0.039													
D909129		2.77	0.117													
D909130		1.98	<0.005													
D909131		1.33	<0.005													
D909132		1.21	0.009													
D909133		1.52	<0.005													
D909134		1.10	<0.005													
D909135		0.98	<0.005													
D909136		1.39	0.030													
D909137		1.13	<0.005													
D909138		1.81	0.227													
D909139		0.81	0.007													
D909140		2.34	0.030													
D909141		1.26	0.032													
D909142		1.43	<0.005													
D909143		1.52	<0.005													
D909144		1.29	<0.005													
D909145		1.09	0.014													
D909146		1.65	<0.005													
D909147		1.82	<0.005													
D909148		0.78	<0.005													
D909149		2.03	<0.005													
D909150		2.00	0.136													
D909201		0.82	<0.005													
D909202		1.60	<0.005													
D909203		1.67	<0.005													
D909251		1.08	<0.005													
D909252		2.00	0.005													

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Finalized Date: 5-SEP-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22219858

Sample Description	Method Analyte Units LOD	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
D909117 D909118 D909119 D909120 D909121																
D909122 D909123 D909124 D909125 D909126																
D909127 D909128 D909129 D909130 D909131																
D909132 D909133 D909134 D909135 D909136																
D909137 D909138 D909139 D909140 D909141																
D909142 D909143 D909144 D909145 D909146																
D909147 D909148 D909149 D909150 D909201																
D909202 D909203 D909251 D909252																

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Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22219858

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
D909117 D909118 D909119 D909120 D909121																
D909122 D909123 D909124 D909125 D909126																
D909127 D909128 D909129 D909130 D909131																
D909132 D909133 D909134 D909135 D909136																
D909137 D909138 D909139 D909140 D909141																
D909142 D909143 D909144 D909145 D909146																
D909147 D909148 D909149 D909150 D909201																
D909202 D909203 D909251 D909252																

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Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22219858

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-AA61
	Analyte	U	V	W	Y	Zn	Zr	Cu
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	1	0.1	0.1	2	0.5	2
D909117								89
D909118								40
D909119								83
D909120								43
D909121								38
D909122								33
D909123								277
D909124								4
D909125								28
D909126								122
D909127								332
D909128								196
D909129								96
D909130								61
D909131								122
D909132								117
D909133								18
D909134								97
D909135								9
D909136								786
D909137								12
D909138								167
D909139								21
D909140								119
D909141								72
D909142								31
D909143								32
D909144								<2
D909145								3
D909146								7
D909147								142
D909148								48
D909149								23
D909150								726
D909201								36
D909202								85
D909203								155
D909251								86
D909252								90

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To: **HERITAGE MINING LTD.**
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 5-SEP-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22219858

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REEs may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

CRU-31	CRU-QC	LOG-21	PUL-32
PUL-QC	SPL-21	WEI-21	

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA23	Au-GRA21	Cu-AA61	ME-MS61

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 27-SEP-2022
This copy reported on
29-SEP-2022
Account: HMLHKDXF

CERTIFICATE TB22246137

Project: Drayton-Black Lake

This report is for 1 sample of Pulp submitted to our lab in Thunder Bay, ON, Canada on 26-AUG-2022.

The following have access to data associated with this certificate:

STEVE KING	PETER SCHLOO	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SCR-21	Dry Screen1kg to 106um
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR21	Au Screen Fire Assay - 100 to 106 um	WST-SIM
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
Au-AA25D	Ore Grade Au 30g FA AA Dup	AAS

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****
Comments: SAMPLE ORIGINALLY FROM TB22243313

Signature:
Saa Traxler, Director, North Vancouver Operations

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 27-SEP-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22246137

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-SCR21 Au Total ppm 0.05	Au-SCR21 Au (+) F ppm 0.05	Au-SCR21 Au (-) F ppm 0.05	Au-SCR21 Au (+) m mg 0.001	Au-SCR21 WT. + Fr g 0.01	Au-SCR21 WT. - Fr g 0.1	Au-AA25 Au ppm 0.01	Au-AA25D Au ppm 0.01
D909267		0.88	201	1755	85.0	107.280	61.15	818.9	86.5	83.4

Comments: SAMPLE ORIGINALLY FROM TB22243313

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Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22246137

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:			
	FND-02	SCR-21	WEI-21

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

Applies to Method:			
	Au-AA25	Au-AA25D	Au-SCR21

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 8-OCT-2022
Account: HMLHKDXF

CERTIFICATE TB22254830

Project: Drayton-Black Lake

This report is for 48 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 7-SEP-2022.

The following have access to data associated with this certificate:

STEVE KING	PETER SCHLOO	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

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

Signature:

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Finalized Date: 8-OCT-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22254830

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-GRA21 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
D909017		1.68	0.027		0.65	6.19	1.9	150	0.45	0.09	0.98	0.41	21.4	21.0	64	1.89
D909018		2.06	0.005		0.16	5.05	1.7	70	0.34	0.21	6.49	0.09	27.8	34.7	53	0.31
D909153		1.36	0.059		0.13	9.15	85.4	470	0.98	0.28	3.72	0.12	5.36	62.0	187	0.48
D909154		1.01	2.01		0.85	3.61	78.2	30	0.06	1.92	0.05	<0.02	13.45	24.7	37	0.10
D909155		1.23	0.098		1.20	1.39	89.2	10	0.16	2.72	0.02	0.02	11.95	88.6	103	0.44
D909156		2.50	<0.005		0.04	6.44	5.6	80	0.40	0.04	5.46	0.12	6.53	46.0	140	0.43
D909157		1.42	0.137		0.18	4.62	27.1	70	0.49	0.09	0.10	0.03	56.0	0.5	7	0.23
D909158		1.78	0.709		0.23	5.43	10.3	110	0.37	0.49	1.33	0.20	22.0	26.7	14	0.55
D909163		1.03	<0.005		0.01	2.42	18.2	110	0.28	0.01	11.70	0.26	8.19	6.0	13	0.37
D909222		1.61	0.005		0.13	7.57	0.5	210	0.33	0.04	5.84	0.10	10.40	36.5	46	1.40
D909223		2.20	0.017		0.44	6.00	0.8	140	0.67	0.15	2.17	0.18	16.05	25.7	15	1.65
D909224		2.13	0.014		0.93	2.17	57.7	60	0.15	0.16	1.76	0.07	5.50	35.5	8	0.55
D909225		1.85	0.012		0.50	5.94	9.3	150	0.27	0.26	4.15	0.31	14.65	91.9	46	5.92
D909226		1.64	0.009		0.37	8.18	0.9	250	0.32	0.40	4.61	0.06	7.75	54.7	60	1.80
D909227		2.03	<0.005		0.09	7.34	31.0	10	0.42	0.02	5.59	0.32	12.50	51.6	170	0.08
D909228		1.58	<0.005		0.03	7.41	6.0	30	0.46	0.02	6.66	0.08	11.60	49.4	65	0.10
D909229		1.60	<0.005		0.03	7.77	23.1	20	0.39	<0.01	6.01	0.11	16.85	63.9	63	0.05
D909230		1.11	<0.005		0.05	5.62	4.5	10	0.10	0.01	9.12	0.14	6.79	39.6	129	0.07
D909231		1.77	<0.005		0.04	2.38	260	110	0.07	0.04	11.95	0.24	26.1	49.7	566	0.45
D909232		1.51	0.347		0.85	2.66	32.4	10	0.11	0.31	2.45	0.17	8.99	9.2	32	<0.05
D909233		1.31	0.005		0.27	8.88	24.5	330	0.55	0.06	4.63	0.05	7.58	48.6	348	0.45
D909234		1.27	0.020		0.09	6.53	41.1	430	1.34	0.02	4.48	0.20	26.9	48.0	57	0.96
D909235		1.35	2.28		3.18	3.38	70.4	80	0.41	0.13	4.73	0.44	12.70	27.2	59	0.35
D909236		0.75	1.905		5.39	1.97	9.8	130	0.26	0.04	1.04	0.28	4.68	17.4	32	0.50
D909237		0.82	0.005		0.22	3.12	95.7	280	0.27	0.03	3.70	0.35	5.49	21.1	64	0.30
D909268		1.64	0.012		0.80	2.04	54.1	50	0.43	0.72	5.55	0.16	32.6	90.8	703	0.57
D909269		1.11	0.005		0.04	7.01	9.7	70	0.76	0.07	2.70	0.08	24.8	54.4	58	1.92
D909270		1.56	>10.0	25.0	2.51	3.00	11.4	90	0.49	0.84	0.42	0.09	44.3	9.9	15	0.30
D909271		1.73	0.478		0.05	5.98	1.9	90	1.16	0.11	3.27	0.19	109.0	7.8	11	0.33
D909272		1.75	<0.005		<0.01	6.13	0.4	140	1.54	0.01	3.49	0.17	120.0	11.4	6	0.47
D909273		1.50	0.012		0.05	7.14	27.9	760	1.28	0.12	4.05	0.09	79.6	24.0	204	3.71
D909274		1.59	<0.005		0.02	5.83	0.4	450	1.78	0.08	1.17	0.05	59.2	1.5	7	0.86
D909275		1.16	0.009		0.04	7.16	11.2	60	0.48	0.02	6.29	0.21	16.70	56.5	53	5.27
D909276		1.08	<0.005		0.05	1.38	5.8	90	0.18	0.16	1.65	0.06	15.65	7.5	22	0.17
D909277		1.40	0.008		0.13	6.27	76.3	310	0.77	0.87	3.47	0.90	58.6	16.4	25	0.26
D909278		2.66	0.022		0.84	3.88	10.9	60	0.25	0.75	3.85	0.13	17.40	60.2	13	0.99
D909279		1.03	0.005		1.38	5.12	1.8	160	0.52	0.10	1.13	0.12	12.40	16.5	11	1.54
D909280		0.86	0.013		0.42	5.26	3.8	30	0.27	0.37	3.45	3.80	6.76	57.2	32	0.37
D909281		0.86	<0.005		0.02	7.63	1.5	250	1.04	0.01	3.03	0.13	64.1	34.3	107	0.73
D909282		1.14	0.175		0.29	5.68	6.9	150	0.77	0.10	0.89	0.05	78.2	0.9	13	0.32

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 8-OCT-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22254830

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
D909017		72.2	10.05	15.15	0.08	2.3	0.040	1.60	10.2	22.8	1.04	319	2.14	0.59	1.8	28.5
D909018		236	10.00	11.50	0.07	2.4	0.035	0.31	11.5	17.9	2.87	2320	0.89	0.63	2.5	136.0
D909153		39.1	8.47	27.3	0.07	1.0	0.047	1.18	1.8	33.1	2.73	1410	<0.05	2.65	2.1	204
D909154		214	24.0	17.65	0.19	1.4	0.031	0.23	6.3	13.4	1.72	273	0.71	0.01	0.2	83.7
D909155		114.5	32.5	8.02	0.13	0.9	0.070	0.03	6.7	0.4	1.14	829	1.30	0.01	1.3	130.5
D909156		135.5	8.35	16.70	0.05	0.9	0.061	0.22	2.3	12.5	2.55	1415	0.06	1.08	1.8	68.9
D909157		5.1	1.44	12.00	0.06	4.4	0.019	0.13	25.2	1.4	0.04	130	1.27	3.33	5.9	1.0
D909158		27.3	13.45	15.00	0.08	2.1	0.009	0.44	10.3	16.7	1.72	1665	2.20	0.39	0.5	60.9
D909163		3.5	5.06	5.82	<0.05	0.9	0.014	0.42	4.1	3.4	3.17	4410	0.14	0.36	0.7	38.3
D909222		89.0	8.35	16.70	0.07	1.1	0.051	0.79	5.0	20.5	2.47	1300	0.53	1.56	2.2	47.0
D909223		93.9	10.55	15.15	0.08	2.0	0.034	0.99	8.6	35.8	1.49	767	1.58	0.87	1.2	21.7
D909224		61.4	21.6	6.43	0.09	1.0	0.030	0.35	2.8	1.6	0.63	204	0.82	0.14	1.2	30.4
D909225		179.5	13.05	14.45	0.09	1.8	0.104	0.79	6.8	14.0	1.73	1180	1.46	0.85	2.1	62.5
D909226		257	10.45	17.25	0.07	1.5	0.070	0.39	3.1	14.9	2.37	1200	0.28	2.63	1.6	74.9
D909227		121.0	11.35	19.85	0.05	1.8	0.085	<0.01	4.5	7.6	3.85	1370	0.19	0.11	3.9	57.3
D909228		97.9	9.45	17.95	0.05	1.6	0.077	0.02	4.4	2.8	3.45	1240	<0.05	2.26	3.8	58.3
D909229		145.0	11.50	18.45	0.09	1.6	0.076	0.02	6.1	4.2	3.84	1760	<0.05	1.49	4.7	114.5
D909230		123.5	8.41	14.45	0.05	0.6	0.065	0.01	2.4	17.4	3.03	1600	0.05	0.93	1.7	48.1
D909231		47.1	7.45	5.94	0.07	0.7	0.017	0.69	11.4	3.4	4.31	3610	0.55	0.11	0.9	221
D909232		13.0	16.70	6.65	<0.05	0.9	0.013	0.01	4.6	6.4	1.64	5530	0.17	0.01	0.3	34.6
D909233		91.6	4.42	20.6	<0.05	1.4	0.065	0.71	3.3	18.0	1.84	739	0.67	3.13	2.5	159.5
D909234		84.4	12.00	23.2	0.11	3.5	0.108	2.11	9.9	6.2	1.68	2300	1.19	1.71	4.8	43.8
D909235		17.7	6.47	15.15	0.05	1.9	0.050	0.40	5.0	3.3	1.39	1040	18.00	1.98	2.2	29.5
D909236		89.5	3.72	8.66	<0.05	0.8	0.024	0.31	1.8	2.4	0.24	521	10.80	0.93	1.0	16.0
D909237		148.5	3.50	7.87	0.05	0.8	0.021	0.61	2.2	1.5	0.80	971	0.22	1.32	0.9	26.7
D909268		553	20.7	7.54	0.14	1.0	0.039	0.15	13.6	2.2	3.61	3100	0.51	0.09	4.2	445
D909269		106.0	13.20	24.6	0.11	2.9	0.115	0.23	9.4	17.0	2.99	1120	0.26	2.44	6.6	38.6
D909270		14.2	8.65	7.53	0.11	4.1	0.049	0.22	15.5	3.1	0.05	131	1.02	1.68	5.2	0.8
D909271		6.8	6.89	17.90	0.17	8.2	0.111	0.25	40.4	3.8	0.58	1355	0.71	3.74	10.1	0.9
D909272		4.7	8.19	22.0	0.19	8.8	0.132	0.40	43.9	8.6	0.76	1430	1.20	2.69	8.0	<0.2
D909273		42.4	3.85	16.50	0.15	3.1	0.031	1.93	36.9	28.7	2.87	682	<0.05	2.21	4.2	125.0
D909274		1.0	0.89	18.20	0.13	5.0	0.078	1.71	25.4	5.1	0.28	349	0.07	2.19	10.6	2.2
D909275		145.5	11.60	23.3	0.10	2.2	0.092	0.19	6.4	6.9	2.41	1770	0.19	1.11	5.0	55.9
D909276		17.9	2.37	4.37	<0.05	0.5	0.014	0.15	6.6	6.3	1.04	752	0.16	0.06	0.7	14.0
D909277		89.2	4.25	17.75	0.15	5.4	0.229	0.53	26.5	4.6	0.90	403	2.92	2.33	9.7	72.0
D909278		272	21.8	11.25	0.15	2.2	0.052	0.24	9.3	4.6	1.27	1830	2.84	0.34	2.5	76.7
D909279		157.5	11.15	15.75	0.11	2.1	0.028	1.07	6.5	20.6	0.75	465	1.87	1.26	1.4	30.4
D909280		445	22.0	11.45	0.17	0.9	0.150	0.08	3.3	10.6	2.18	1230	0.96	0.90	1.4	42.6
D909281		9.4	8.91	18.95	0.16	4.5	0.054	0.86	28.4	22.2	2.20	1575	0.15	1.44	5.6	120.5
D909282		4.0	1.40	14.95	0.17	4.9	0.024	0.40	37.3	1.4	0.06	240	1.91	3.93	9.4	1.1

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Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22254830

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
D909017		260	5.4	61.4	0.026	6.80	0.37	9.9	7	0.7	71.1	0.13	0.35	1.85	0.159	0.50
D909018		570	2.4	9.5	<0.002	0.58	0.38	15.2	<1	0.4	153.5	0.18	0.06	1.52	0.140	0.05
D909153		480	2.5	17.6	<0.002	0.52	0.34	37.1	<1	0.4	110.5	0.13	0.06	0.27	0.424	0.29
D909154		220	1.6	7.9	<0.002	3.37	0.16	8.9	5	0.3	11.9	<0.05	0.47	0.74	0.033	<0.02
D909155		150	3.4	1.0	0.003	>10.0	0.50	22.4	7	0.3	4.6	0.09	1.50	0.55	0.094	<0.02
D909156		300	0.6	8.3	<0.002	0.25	2.81	45.0	1	0.5	118.5	0.12	<0.05	0.20	0.433	0.04
D909157		60	2.7	5.7	<0.002	0.16	0.27	2.9	<1	0.4	46.1	0.51	0.29	4.71	0.041	0.03
D909158		190	2.6	15.0	<0.002	2.99	0.14	16.6	2	0.4	70.0	0.06	0.36	2.02	0.046	0.11
D909163		230	1.6	12.7	<0.002	0.02	0.10	2.8	<1	0.3	131.0	0.06	<0.05	0.69	0.035	0.07
D909222		350	2.8	23.3	0.002	1.06	<0.05	41.7	1	0.5	221	0.13	0.11	0.88	0.433	0.19
D909223		210	9.4	33.5	0.004	6.42	0.05	12.4	2	0.5	73.7	0.12	0.14	1.64	0.123	0.31
D909224		40	9.4	10.4	0.002	>10.0	1.26	1.5	4	0.9	44.2	0.12	0.27	0.87	0.051	0.20
D909225		300	16.8	26.5	0.003	6.22	1.74	32.8	4	1.0	88.4	0.16	0.36	1.29	0.330	0.34
D909226		260	5.9	9.7	<0.002	3.71	0.08	47.1	2	1.2	67.4	0.11	<0.05	0.47	0.481	0.17
D909227		510	1.9	0.2	<0.002	0.58	1.86	48.1	3	1.0	278	0.24	<0.05	0.39	0.899	<0.02
D909228		460	0.7	1.4	<0.002	0.11	0.15	41.9	1	0.8	144.5	0.24	<0.05	0.37	0.740	<0.02
D909229		880	0.8	0.2	0.003	0.52	0.31	43.3	2	0.3	121.5	0.22	<0.05	0.41	0.809	<0.02
D909230		270	0.7	0.2	<0.002	0.09	0.37	38.9	<1	0.5	117.5	0.10	<0.05	0.17	0.473	<0.02
D909231		190	2.0	21.1	<0.002	0.40	0.27	8.5	1	0.3	77.4	0.06	<0.05	0.53	0.066	0.19
D909232		100	9.0	0.3	<0.002	0.59	0.28	10.5	<1	<0.2	14.7	0.05	<0.05	0.73	0.022	<0.02
D909233		250	8.3	10.4	<0.002	0.05	0.84	46.4	1	0.7	612	0.15	<0.05	0.25	0.582	0.09
D909234		890	2.7	45.4	<0.002	0.60	0.66	42.0	1	1.6	115.0	0.32	0.06	0.83	1.020	0.20
D909235		290	4.4	12.4	0.022	3.07	0.58	19.4	2	0.4	257	0.13	1.89	0.49	0.311	0.09
D909236		280	6.8	9.9	0.004	1.23	0.30	8.0	1	0.3	23.4	0.05	5.10	0.20	0.204	0.05
D909237		190	4.9	15.6	<0.002	0.03	0.28	14.0	<1	0.3	73.8	0.05	<0.05	0.15	0.161	0.10
D909268		200	5.5	8.9	<0.002	5.44	4.93	15.4	4	0.5	145.5	0.26	0.35	0.51	0.349	0.06
D909269		900	1.0	7.0	<0.002	0.41	0.26	38.7	1	1.4	48.1	0.40	<0.05	0.81	1.190	0.04
D909270		440	2.6	5.9	0.002	8.37	0.24	8.1	18	0.9	73.7	0.31	2.01	0.91	0.087	0.03
D909271		1180	4.7	6.2	<0.002	1.63	0.42	15.8	1	1.2	177.0	0.64	0.08	1.84	0.189	0.03
D909272		1800	1.6	9.7	<0.002	0.02	0.40	19.1	<1	1.2	237	0.59	<0.05	1.99	0.147	0.04
D909273		1050	13.6	71.2	<0.002	0.19	0.66	13.3	1	0.8	467	0.25	<0.05	5.76	0.283	0.51
D909274		80	9.1	51.6	<0.002	<0.01	0.50	4.3	<1	4.4	89.5	0.97	<0.05	7.09	0.037	0.18
D909275		590	0.7	9.5	<0.002	0.44	2.72	30.5	2	0.7	274	0.31	<0.05	0.63	0.944	0.02
D909276		550	5.0	5.6	<0.002	0.03	<0.05	4.8	<1	0.2	15.2	<0.05	0.06	0.89	0.061	0.03
D909277		320	9.1	10.6	0.007	0.96	1.26	9.5	4	4.1	131.5	0.78	0.66	4.97	0.240	0.07
D909278		280	15.4	6.9	<0.002	8.96	0.80	9.0	9	0.5	104.5	0.19	0.38	1.67	0.162	0.06
D909279		160	14.7	48.3	0.011	8.79	0.18	3.1	3	0.7	88.3	0.16	0.19	2.33	0.090	0.27
D909280		170	11.8	2.3	0.004	>10.0	0.32	22.8	3	1.2	93.1	0.10	0.21	0.76	0.233	0.04
D909281		1480	2.9	27.2	<0.002	0.05	0.25	21.8	<1	0.8	221	0.34	<0.05	2.25	0.287	0.12
D909282		50	5.7	13.2	<0.002	0.66	0.38	4.4	1	0.7	113.5	0.77	0.23	5.97	0.062	0.06

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 8-OCT-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22254830

Sample Description	Method Analyte Units LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
D909017		0.6	65	0.2	4.4	160	83.8
D909018		0.4	86	0.5	6.9	128	104.0
D909153		0.1	330	5.2	3.4	121	29.7
D909154		0.2	86	0.7	1.9	80	50.1
D909155		0.4	94	1.9	7.5	28	37.2
D909156		0.1	263	0.3	4.1	94	33.3
D909157		1.1	5	1.7	9.3	17	136.5
D909158		0.6	79	4.0	4.0	291	86.9
D909163		0.2	13	0.1	5.1	66	31.9
D909222		0.3	246	0.2	14.5	86	35.3
D909223		0.5	65	0.2	7.5	74	73.4
D909224		0.3	11	0.2	1.5	17	37.2
D909225		0.3	193	0.4	14.6	99	58.9
D909226		0.1	311	0.2	15.8	78	48.6
D909227		0.1	358	0.4	30.2	122	46.9
D909228		0.1	285	0.1	27.5	102	46.5
D909229		0.1	337	0.3	30.7	95	55.7
D909230		<0.1	264	0.3	5.1	89	19.3
D909231		0.1	61	0.2	6.1	131	27.3
D909232		0.2	59	0.4	2.5	140	34.9
D909233		0.1	347	0.3	10.8	59	39.7
D909234		0.2	385	6.3	9.0	152	132.0
D909235		0.2	125	10.6	5.7	95	72.3
D909236		0.1	76	2.3	2.6	93	27.1
D909237		0.1	110	22.5	2.1	29	20.4
D909268		0.2	103	2.2	14.2	114	34.8
D909269		0.2	356	0.6	39.6	100	106.0
D909270		0.2	26	7.4	8.5	43	155.5
D909271		0.4	13	2.2	14.2	129	331
D909272		0.5	11	0.5	17.4	183	342
D909273		1.5	97	0.8	9.5	68	118.0
D909274		4.4	1	1.2	59.1	30	124.0
D909275		0.2	300	0.9	29.0	118	78.0
D909276		0.2	48	0.3	5.0	47	19.4
D909277		1.3	42	0.3	25.2	232	208
D909278		0.7	40	0.3	18.1	113	82.1
D909279		0.7	18	0.1	3.7	56	77.1
D909280		0.2	150	0.5	10.6	606	32.6
D909281		0.6	127	0.1	13.8	127	202
D909282		1.4	7	1.9	16.0	13	160.5

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1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 8-OCT-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22254830

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-GRA21 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
D909283		1.35	<0.005		0.35	7.65	24.6	20	0.27	0.44	6.67	0.28	6.11	43.8	191	0.13
D909284		1.14	0.009		0.23	7.07	126.5	270	1.23	0.56	0.26	0.13	34.7	25.2	142	0.75
D909285		1.60	<0.005		0.02	6.86	127.0	270	0.33	0.02	6.68	0.07	4.60	46.6	256	0.76
D909286		1.23	<0.005		0.39	1.73	272	100	0.08	0.04	10.10	0.24	32.7	41.6	638	0.41
D909287		1.07	<0.005		0.01	6.26	7.2	300	0.82	0.01	0.37	0.05	93.3	3.7	5	1.32
D909288		1.39	1.625		2.55	5.20	33.3	50	0.52	0.10	4.31	0.32	35.1	28.1	30	0.22
D909289		1.21	<0.005		0.07	7.41	3.8	760	1.07	0.04	4.07	0.06	32.7	17.9	27	2.35
D909290		1.71	1.270		1.38	4.10	86.0	70	0.48	0.09	4.42	0.19	12.75	34.6	57	0.32

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Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22254830

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
D909283		133.5	7.87	18.40	0.11	0.8	0.058	0.02	2.3	15.2	3.71	1355	0.16	0.88	1.8	105.0
D909284		98.1	5.55	17.10	0.15	3.7	0.081	0.88	17.4	7.6	0.20	446	1.26	0.79	4.5	47.9
D909285		4.7	5.99	14.00	0.11	0.8	0.045	2.23	1.7	10.4	4.06	1530	0.07	0.54	1.0	139.5
D909286		102.5	6.77	4.06	0.09	0.5	0.020	0.55	16.1	2.6	3.29	3110	0.56	0.09	0.9	197.5
D909287		49.2	0.87	17.65	0.22	6.0	0.030	1.09	44.4	4.8	0.11	204	1.48	2.69	12.6	2.3
D909288		26.1	7.01	25.8	0.13	4.4	0.074	0.23	14.4	10.8	1.56	1010	53.1	3.37	6.8	26.2
D909289		32.0	2.61	19.70	0.13	2.3	0.029	2.34	15.0	9.0	1.41	414	0.17	2.23	2.5	48.6
D909290		43.3	7.05	16.50	0.11	1.8	0.054	0.32	5.1	5.9	1.48	1235	4.30	2.58	2.8	32.0

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Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22254830

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
D909283		230	21.0	0.6	<0.002	0.09	3.47	39.1	1	0.5	357	0.11	0.06	0.20	0.411	<0.02
D909284		680	5.7	26.9	<0.002	0.48	2.24	10.6	1	0.9	174.0	0.30	0.10	2.76	0.211	0.19
D909285		210	0.9	73.4	<0.002	0.02	0.52	33.7	<1	0.5	74.8	0.07	<0.05	0.15	0.252	0.32
D909286		170	2.3	18.2	<0.002	0.73	1.16	8.4	1	0.2	58.8	0.06	<0.05	0.49	0.080	0.15
D909287		80	2.6	36.1	<0.002	0.03	0.24	3.9	<1	1.2	74.0	0.96	<0.05	8.20	0.072	0.17
D909288		700	4.4	7.3	0.090	2.37	0.99	20.8	2	0.8	259	0.50	2.39	1.62	0.550	0.05
D909289		690	7.5	44.3	<0.002	0.45	1.40	5.9	<1	0.5	598	0.15	<0.05	2.18	0.171	0.47
D909290		260	3.9	10.5	0.003	2.47	0.74	22.4	2	0.4	269	0.16	1.14	0.46	0.478	0.07

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Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22254830

Sample Description	Method Analyte Units LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
D909283		0.1	229	0.7	17.5	116	34.0
D909284		0.7	63	0.2	7.9	67	151.0
D909285		<0.1	183	1.4	5.1	26	26.5
D909286		0.1	55	0.1	5.9	109	18.6
D909287		1.8	4	0.5	17.4	15	187.0
D909288		0.3	195	13.4	14.0	113	173.5
D909289		0.6	68	0.9	4.0	52	87.5
D909290		0.2	175	10.0	5.8	69	69.6

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To: **HERITAGE MINING LTD.**
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 8-OCT-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22254830

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REEs may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

CRU-31	CRU-QC	LOG-21	PUL-31
PUL-QC	SPL-21	WEI-21	

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA23	Au-GRA21	ME-MS61

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To: HERITAGE MINING LTD.
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Finalized Date: 19-OCT-2022
Account: HMLHKDXF

CERTIFICATE TB22258586

Project: Drayton-Black Lake

This report is for 4 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 12-SEP-2022.

The following have access to data associated with this certificate:

STEVE KING	PETER SCHLOO	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM

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

Signature:

Saa Traxler, Director, North Vancouver Operations

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Finalized Date: 19-OCT-2022
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Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22258586

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
D909238		1.10	1.62	4.39	1.9	180	0.64	0.13	5.08	0.30	18.85	42.5	8	0.78	228	12.25
D909239		1.39	>100	0.74	1.6	920	0.13	4.20	1.62	6.93	2.51	4.7	25	0.34	412	1.26
D909240		1.44	91.2	1.63	0.3	1610	0.23	3.09	2.94	3.72	4.76	5.7	31	0.87	186.0	1.56
D909241		1.50	0.73	1.69	14.5	10	0.06	1.16	3.31	0.24	2.84	29.7	19	0.08	179.0	4.78

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CERTIFICATE OF ANALYSIS TB22258586

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
D909238		15.30	0.09	2.4	0.090	0.33	7.2	6.4	1.51	1430	0.82	3.23	6.0	10.4	1170	8.2
D909239		2.67	<0.05	0.1	0.026	0.30	1.1	1.9	0.25	246	2.51	0.26	0.4	8.0	50	1915
D909240		4.48	0.05	0.4	0.022	0.74	2.1	3.9	0.51	391	3.43	0.61	0.9	13.8	130	1080
D909241		4.99	0.05	0.4	0.013	0.09	1.1	1.0	0.99	798	49.0	1.18	0.2	32.4	260	6.7

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
D909238		11.6	0.002	2.32	0.16	21.9	<1	0.9	447	0.42	1.17	0.86	0.889	0.08	0.1	422
D909239		8.8	<0.002	0.54	0.42	3.4	1	<0.2	120.5	<0.05	92.2	0.10	0.033	0.04	<0.1	15
D909240		24.7	<0.002	0.29	0.14	6.9	1	0.2	234	0.05	60.1	0.22	0.083	0.14	0.1	34
D909241		2.4	0.008	2.53	0.11	7.6	<1	<0.2	85.7	<0.05	1.42	0.05	0.028	<0.02	<0.1	16

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

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 19-OCT-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22258586

Sample Description	Method Analyte Units LOD	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
D909238		39.5	13.8	80	81.3		1.055	
D909239		0.3	1.5	637	6.0	104	>10.0	17.00
D909240		0.2	3.8	371	15.9		>10.0	21.5
D909241		1.0	2.7	40	7.5		0.969	

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

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TORONTO ON M5V 3X4

Finalized Date: 19-OCT-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22258586

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REEs may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

CRU-31	CRU-QC	LOG-21	PUL-31
PUL-QC	SPL-21	WEI-21	

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	Au-GRA22	ME-MS61
ME-OG62			

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 30-SEP-2022
Account: HMLHKDXF

CERTIFICATE TB22243313

Project: Drayton-Black Lake

This report is for 38 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 26-AUG-2022.

The following have access to data associated with this certificate:

STEVE KING	PETER SCHLOO	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-AA61	Trace Cu - four-acid digestion	AAS
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

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

Signature:
Saa Traxler, Director, North Vancouver Operations

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 30-SEP-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22243313

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-GRA21 Au ppm 0.05	Cu-AA61 Cu ppm 2
D909014		0.98	<0.005		85
D909015		2.58	0.005		159
D909016		1.15	<0.005		9
D909151		1.76	<0.005		21
D909152		2.08	<0.005		384
D909204		1.27	<0.005		60
D909205		1.30	0.424		11
D909206		1.37	0.233		960
D909207		1.46	0.037		5
D909208		1.36	3.43		1220
D909209		1.62	0.008		1580
D909210		0.96	<0.005		33
D909211		1.70	0.367		622
D909212		1.80	<0.005		47
D909213		1.46	0.013		1180
D909214		1.76	<0.005		199
D909215		1.09	<0.005		41
D909216		1.63	5.29		137
D909217		1.50	<0.005		72
D909218		1.08	<0.005		82
D909219		1.39	<0.005		21
D909220		1.66	0.057		290
D909221		1.11	0.087		338
D909253		1.64	0.008		404
D909254		2.10	0.065		582
D909255		1.28	<0.005		206
D909256		0.87	0.154		9
D909257		2.16	>10.0	10.80	373
D909258		1.50	0.753		28
D909259		1.35	0.019		77
D909260		1.33	0.005		79
D909261		0.80	7.37	6.72	2430
D909262		1.33	>10.0	63.9	7500
D909263		1.65	0.235		240
D909264		0.87	0.022		12
D909265		1.04	0.028		554
D909266		1.15	0.024		8
D909267		1.21		208	3

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

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1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 30-SEP-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22243313

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	PUL-32
	PUL-QC	SPL-21	WEI-21	

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

Applies to Method:			
	Au-AA23	Au-GRA21	Cu-AA61

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 17-NOV-2022
Account: HMLHKDXF

CERTIFICATE TB22307601

Project: Drayton-Black Lake

This report is for 30 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 25-OCT-2022.

The following have access to data associated with this certificate:

STEVE KING	PETER SCHLOO	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM

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

Signature:
Saa Traxler, Director, North Vancouver Operations

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 17-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22307601

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
D909024		1.85	0.083	
D909025		1.19	1.685	
D909026		1.31	0.142	
D909027		0.78	0.074	
D909028		1.00	0.237	
D909164		0.96	0.041	
D909165		1.30	0.027	
D909167		1.13	0.369	
D909168		0.95	0.006	
D909169		1.86	0.491	
D909170		0.48	1.295	
D909171		2.24	0.239	
D909172		0.68	0.378	
D909173		1.21	>10.0	18.90
D909174		1.15	0.020	
D909175		1.06		2330
D909242		0.97	0.280	
D909243		2.17	0.395	
D909244		0.80	>10.0	12.20
D909245		0.93	1.100	
D909291		0.93	1.575	
D909292		0.87	0.015	
D909293		1.12	0.009	
D909294		1.47	3.42	
D909295		0.61	3.34	
D909296		1.46	0.718	
D909297		1.19	>10.0	58.5
D909298		1.12	1.350	
D909299		1.16	10.0	12.00
D909300		1.96	0.407	

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

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To: **HERITAGE MINING LTD.**
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 17-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22307601

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	PUL-31
	PUL-QC	SPL-21	WEI-21	

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

Applies to Method:		
	Au-AA24	Au-GRA22

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 19-NOV-2022
Account: HMLHKDXF

CERTIFICATE TB22315055

Project: Drayton-Black Lake

This report is for 10 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 1-NOV-2022.

The following have access to data associated with this certificate:

STEVE KING	PETER SCHLOO	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
Au-AA24	Au 50g FA AA finish	AAS

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

Signature:
Saa Traxler, Director, North Vancouver Operations

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1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 19-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22315055

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
F809001		1.18	<0.005	0.02	2.62	1.2	20	0.22	0.02	1.40	0.04	10.95	11.1	119	0.09	40.7
F809002		0.50	<0.005	0.01	7.49	1.8	270	0.89	0.01	0.39	0.04	24.2	42.9	360	0.47	7.0
F809003		0.96	<0.005	<0.01	3.65	1.4	140	0.43	0.01	1.64	0.06	27.6	8.9	24	0.43	1.7
F809004		0.53	<0.005	<0.01	0.93	1.1	20	0.09	0.01	0.51	0.04	5.37	3.0	25	0.11	2.0
F809005		1.21	<0.005	0.02	2.40	1.1	80	0.27	0.01	0.82	0.04	17.55	6.5	27	0.24	26.0
F809006		1.28	2.80	<0.01	6.40	2.3	460	2.24	<0.01	3.20	0.07	54.5	8.7	11	1.41	0.5
F809007		1.05	<0.005	<0.01	5.66	6.2	30	0.70	0.03	2.20	0.06	33.6	21.9	6	0.13	33.2
F809008		3.18	<0.005	0.05	4.85	1.4	60	0.20	0.09	5.40	0.11	5.42	26.8	92	0.27	34.8
F809009		2.45	0.018	0.02	5.19	2.4	10	0.16	0.01	0.98	0.11	5.94	31.9	193	0.18	6.8
F809010		1.53	<0.005	0.03	1.83	1.6	20	0.09	0.01	0.39	0.07	2.64	12.1	28	0.26	6.0

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

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 19-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22315055

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
F809001		2.43	5.47	<0.05	0.9	0.021	0.03	4.9	8.1	1.49	469	1.40	0.93	1.6	70.0	330
F809002		7.83	25.6	0.11	4.3	0.069	0.60	8.2	24.2	4.36	738	0.46	2.92	4.4	240	1300
F809003		2.42	7.62	0.08	1.7	0.030	0.36	11.8	6.1	0.94	484	1.19	1.63	3.0	23.6	520
F809004		1.07	2.15	<0.05	0.4	0.009	0.05	2.4	1.8	0.30	267	1.84	0.41	0.9	8.5	160
F809005		1.90	5.67	0.07	1.2	0.020	0.21	7.6	4.0	0.58	336	1.87	1.07	2.2	15.0	390
F809006		8.09	29.6	0.19	9.2	0.174	1.85	19.8	7.0	0.75	1710	1.53	0.48	17.6	0.7	1390
F809007		10.75	21.7	0.11	3.4	0.138	0.01	12.6	13.3	1.56	1185	1.15	2.34	9.1	3.5	1190
F809008		5.88	10.85	0.06	0.6	0.037	0.19	2.4	22.0	3.18	1060	4.82	0.52	1.4	96.9	200
F809009		5.72	10.30	0.06	0.4	0.047	0.02	2.4	12.9	3.00	814	1.47	1.35	1.3	77.2	200
F809010		3.94	6.47	0.05	0.2	0.027	0.07	1.0	4.1	0.80	542	1.73	0.11	0.8	7.4	140

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

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 19-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22315055

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
F809001		1.0	0.9	<0.002	0.01	0.19	5.7	<1	0.2	58.7	0.10	<0.05	0.49	0.123	<0.02	0.1
F809002		1.5	3.5	<0.002	<0.01	0.37	24.0	1	0.8	81.8	0.27	<0.05	1.20	0.314	0.12	0.4
F809003		1.5	11.3	<0.002	<0.01	0.29	7.0	1	0.4	95.5	0.17	<0.05	0.82	0.250	0.06	0.2
F809004		0.9	1.6	<0.002	<0.01	0.14	1.6	<1	0.2	37.5	0.05	<0.05	0.24	0.082	<0.02	0.1
F809005		1.1	6.4	<0.002	0.01	0.26	4.6	1	0.3	63.0	0.12	<0.05	0.72	0.193	0.03	0.1
F809006		0.9	51.2	0.002	<0.01	0.23	22.5	1	1.9	58.8	1.00	<0.05	2.25	0.619	0.18	0.5
F809007		1.6	0.5	<0.002	0.06	0.99	28.7	<1	1.0	131.0	0.56	<0.05	1.28	0.964	<0.02	0.3
F809008		4.3	6.8	0.006	0.06	0.13	12.7	<1	0.3	130.5	0.08	<0.05	0.52	0.246	0.07	0.2
F809009		2.1	0.6	<0.002	0.01	0.10	23.2	<1	0.3	29.5	0.07	<0.05	0.19	0.355	<0.02	0.1
F809010		2.6	2.7	<0.002	<0.01	0.11	7.9	<1	0.2	14.8	<0.05	<0.05	0.15	0.173	0.02	<0.1

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

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To: HERITAGE MINING LTD.
1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 19-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22315055

Sample Description	Method / Analyte / Units / LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
F809001		47	0.1	2.8	38	42.0
F809002		202	0.6	4.8	132	182.0
F809003		62	0.7	5.5	33	75.6
F809004		15	0.2	2.1	13	14.8
F809005		48	0.5	3.4	24	52.6
F809006		5	7.8	21.1	87	357
F809007		83	1.1	49.9	78	142.5
F809008		131	0.4	7.8	95	19.0
F809009		166	0.3	10.9	76	14.1
F809010		95	<0.1	5.8	68	8.1

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

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1804-80 JOHN STREET
TORONTO ON M5V 3X4

Finalized Date: 19-NOV-2022
Account: HMLHKDXF

Project: Drayton-Black Lake

CERTIFICATE OF ANALYSIS TB22315055

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REEs may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

CRU-31	CRU-QC	LOG-21	PUL-31
PUL-QC	SPL-21	WEI-21	

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

Quality Analysis ... *Innovative Technologies*

Report No.: **A22-16241**
Report Date: **16-Nov-22**
Date Submitted: **24-Oct-22**
Your Reference: **Drayton-Black Lake**

HERITAGE MINING LTD
918 Sturgeon River Road
Sioux Lookout ON P8T 0A7
Canada

ATTN: Peter Schloo

CERTIFICATE OF ANALYSIS

6 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2B-50	QOP AA-Au (Au - Fire Assay AA)	2022-11-09 14:25:54
1A3-50	QOP AA-Au (Au - Fire Assay Gravimetric)	2022-11-15 12:18:49
UT-6M	QOP Total/QOP Ultratrace- 4acid Digest (Total Digestion ICPOES/ICPMS)	2022-11-08 12:02:08
Weight Report (kg)	Received Weights	2022-11-15 13:35:41

REPORT **A22-16241**

Notes:

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

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01
Method Code	FA-AA	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP
290251	3410	35.6	0.97	2.1	2070	1.20	3.54	0.72	13.4	2.69	1.7	15	0.60	229	1.16	< 0.05	< 0.05	0.3	0.032	0.52	1.2	6.0	0.28
290252	> 10000	67.9	0.10	2.2	< 10	< 0.05	1040	0.08	5.54	0.18	31.2	6	< 0.05	> 10000	4.77	0.48	0.07	< 0.1	3.91	< 0.01	< 0.5	0.4	0.02
290253	> 10000	23.6	0.78	13.7	40	0.14	53.2	4.87	0.39	5.89	7.6	52	0.10	160	2.04	3.01	< 0.05	< 0.1	0.029	0.19	2.4	1.7	2.57
290254	92	0.06	1.93	4.2	< 10	0.14	0.43	2.92	0.32	6.95	14.0	129	< 0.05	15.7	3.24	5.89	< 0.05	0.2	0.022	0.01	3.5	1.8	1.96
290255	> 10000	> 100	0.47	1.2	70	< 0.05	5.54	0.37	1.89	1.01	2.5	8	0.06	6540	1.88	0.90	< 0.05	< 0.1	0.100	0.02	< 0.5	0.6	0.03
290256	4840	45.2	0.65	1.8	20	< 0.05	10.4	0.46	66.6	3.98	8.3	19	0.14	1700	2.27	1.70	0.06	0.2	0.286	0.09	1.8	1.6	0.17

Analyte Symbol	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	5	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1	0.1
Method Code	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS
290251	211	2.42	0.12	0.7	7.3	70	1200	17.6	< 0.002	0.20	0.28	4.4	< 1	0.5	68.7	< 0.05	26.1	0.18	0.054	0.09	< 0.1	50	0.5
290252	45	0.88	0.05	0.1	110	190	28.2	0.2	< 0.002	4.88	2.56	0.2	8	1.3	8.0	< 0.05	5.46	0.01	0.008	0.02	< 0.1	10	0.8
290253	637	1.69	0.07	0.3	87.8	40	240	6.4	< 0.002	0.02	0.18	7.1	< 1	0.2	335	< 0.05	4.38	0.19	0.012	0.05	< 0.1	30	0.8
290254	829	4.99	0.18	0.5	153	240	4.1	0.4	< 0.002	0.01	0.12	6.7	< 1	< 0.2	185	< 0.05	0.06	0.42	0.040	< 0.02	0.2	61	4.0
290255	136	34.1	0.36	0.3	5.5	50	2530	0.7	< 0.002	1.56	0.29	0.6	< 1	0.3	31.6	< 0.05	78.0	0.03	0.012	< 0.02	< 0.1	5	1.8
290256	189	9.17	0.18	0.8	13.5	130	> 10000	3.7	< 0.002	2.46	4.97	2.1	7	< 0.2	23.5	< 0.05	30.3	0.14	0.085	0.03	< 0.1	18	1.1

Analyte Symbol	Y	Zn	Zr	Received Weight	Au
Unit Symbol	ppm	ppm	ppm	Kg	g/tonne
Lower Limit	0.1	2	0.5		0.02
Method Code	TD-MS	TD-ICP	TD-MS	none	FA-GRA
290251	1.6	1350	10.9	6.19	
290252	0.1	143	0.7	2.97	13.9
290253	2.4	27	3.8	2.69	94.7
290254	3.1	35	9.4	2.70	
290255	0.9	182	1.5	5.87	29.7
290256	1.9	8010	6.1	6.15	

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01
Method Code	FA-AA	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP
OREAS 101b (4 Acid) Meas										> 500	43.4			412	10.5					2.25	766		1.23
OREAS 101b (4 Acid) Cert										1325	45			412	10.7					2.36	754		1.23
OREAS 101b (4 Acid) Meas															10.5					2.65			1.25
OREAS 101b (4 Acid) Cert															10.7					2.36			1.23
OREAS 101b (4 Acid) Meas															9.34					2.84			1.11
OREAS 101b (4 Acid) Cert															10.7					2.36			1.23
OREAS 98 (4 Acid) Meas		45.9					94.1				120			> 10000									
OREAS 98 (4 Acid) Cert		45.1					97.2				121			14800 0.0									
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 13b (4-Acid) Meas												9130											
OREAS 13b (4-Acid) Cert												8650.0 00											
OREAS 13b (4-Acid) Meas												9900											
OREAS 13b (4-Acid) Cert												8650.0 00											
OREAS 13b (4-Acid) Meas												9890											
OREAS 13b (4-Acid) Cert												8650.0 00											
OREAS 903 (4 Acid) Meas			5.78		190			0.67				69			4.40					2.06			0.75
OREAS 903 (4 Acid) Cert			5.89		197			0.625				73.0			4.16					3.31			0.714
OREAS 903 (4 Acid) Meas			5.98		210			0.67				80			4.44					3.54			0.75
OREAS 903 (4 Acid) Cert			5.89		197			0.625				73.0			4.16					3.31			0.714
OREAS 903 (4 Acid) Meas			6.03		210			0.67				89			4.47					5.03			0.76
OREAS 903 (4 Acid) Cert			5.89		197			0.625				73.0			4.16					3.31			0.714
OREAS 45d (4-Acid) Meas			7.06		190			0.19				580			14.4					0.41			0.23
OREAS 45d (4-Acid) Cert			8.150		183.0			0.185				549			14.5					0.412			0.245
OREAS 45d (4-Acid) Meas			8.03		190			0.20				568			14.8					0.41			0.25
OREAS 45d (4-Acid) Cert			8.150		183.0			0.185				549			14.5					0.412			0.245
OREAS 45d (4-Acid) Meas			7.99		190			0.19				570			14.8					0.41			0.25

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01
Method Code	FA-AA	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP
OREAS 45d (4-Acid) Cert			8.150		183.0			0.185				549			14.5					0.412			0.245
OREAS 96 (4 Acid) Meas		11.5					29.3				50.3			> 10000									
OREAS 96 (4 Acid) Cert		11.5					26.3				49.9			39300									
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
Oreas 77b (4 Acid) Meas		1.73	1.61	1960	30	0.67	3.50	2.58	1.35	28.5	1490	285	2.33	3420	27.3	4.45		1.2	0.118	0.33	15.8	20.7	2.39
Oreas 77b (4 Acid) Cert		1.62	1.94	2050	118	0.470	3.44	3.06	1.20	27.7	1550	280	2.32	3430	29.9	4.61		1.15	0.112	0.361	15.8	18.8	2.59
Oreas 77b (4 Acid) Meas		1.65	1.67	1730	40	0.63	3.59	2.60	1.32	29.5	1560	259	2.36	3280	27.0	4.16		1.2	0.128	0.30	16.4	19.5	2.36
Oreas 77b (4 Acid) Cert		1.62	1.94	2050	118	0.470	3.44	3.06	1.20	27.7	1550	280	2.32	3430	29.9	4.61		1.15	0.112	0.361	15.8	18.8	2.59
Oreas 77b (4 Acid) Meas			1.76		30			2.68				263			28.5					0.32			2.47
Oreas 77b (4 Acid) Cert			1.94		118			3.06				280			29.9					0.361			2.59
Oreas 72b (4 Acid) Meas		0.27	4.36	129	210	0.86	0.68	2.68	0.27	41.5	125	811	2.90	199	7.04	8.73		2.3	0.035	1.39	22.0	30.5	9.14
Oreas 72b (4 Acid) Cert		0.230	4.79	146	330	1.02	0.680	2.79	0.310	43.6	131	771	3.37	222	6.84	11.7		2.51	0.0490	1.14	24.4	33.3	9.59
Oreas 72b (4 Acid) Meas		0.27	4.33	131	160	0.94	0.69	2.67	0.29	42.6	127	858	3.04	201	7.01	9.08		2.3	0.040	1.09	22.4	29.2	9.07
Oreas 72b (4 Acid) Cert		0.230	4.79	146	330	1.02	0.680	2.79	0.310	43.6	131	771	3.37	222	6.84	11.7		2.51	0.0490	1.14	24.4	33.3	9.59
Oreas 72b (4 Acid) Meas		0.26	4.64	145	200	0.99	0.67	2.74	0.29	47.0	131	647	3.33	230	7.32	13.2		2.5	0.056	1.09	25.7	31.5	9.41
Oreas 72b (4 Acid) Cert		0.230	4.79	146	330	1.02	0.680	2.79	0.310	43.6	131	771	3.37	222	6.84	11.7		2.51	0.0490	1.14	24.4	33.3	9.59
Oreas 72b (4 Acid) Meas			4.61		240			2.68				651			7.19					1.08			9.28
Oreas 72b (4 Acid) Cert			4.79		330			2.79				771			6.84					1.14			9.59
Oreas E1336 (Fire Assay) Meas	498																						
Oreas E1336 (Fire Assay) Cert	510.000																						
OREAS 681 (4 Acid) Meas		0.14	7.48		430	1.32	0.09	5.76		38.3	45.1	1560	3.47	234	7.62	12.6		1.6	0.040	1.35	16.9	13.0	5.15
OREAS 681 (4 Acid) Cert		0.118	7.91		442	1.41	0.0980	5.98		40.6	51.0	1640	4.02	264	7.47	17.6		1.70	0.0420	1.35	18.8	13.0	5.19
OREAS 681 (4 Acid) Meas		0.17	7.37		430	1.34	0.10	5.69		40.8	50.1	1400	3.95	252	7.54	13.7		1.9	0.035	1.38	18.4	12.3	5.08
OREAS 681 (4 Acid) Cert		0.118	7.91		442	1.41	0.0980	5.98		40.6	51.0	1640	4.02	264	7.47	17.6		1.70	0.0420	1.35	18.8	13.0	5.19
OREAS 681 (4 Acid) Meas		0.17	7.85		420	1.38	0.09	5.82		41.6	47.9	1430	3.81	263	7.84	21.3		1.9	0.050	1.32	19.4	13.6	5.22
OREAS 681 (4 Acid) Cert		0.118	7.91		442	1.41	0.0980	5.98		40.6	51.0	1640	4.02	264	7.47	17.6		1.70	0.0420	1.35	18.8	13.0	5.19

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01
Method Code	FA-AA	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP
OREAS 681 (4 Acid) Meas			7.67		410			5.67				1460			7.57					1.30			5.09
OREAS 681 (4 Acid) Cert			7.91		442			5.98				1640			7.47					1.35			5.19
OREAS 247 (4 Acid) Meas			5.90		540			0.88				87			3.39					1.98			1.26
OREAS 247 (4 Acid) Cert			6.08		550			0.826				97.0			3.32					2.45			1.22
OREAS 147 (4 Acid) Meas			4.88		1980			1.23				52			3.39					1.81			0.57
OREAS 147 (4 Acid) Cert			4.90		1940			1.09				57.0			3.23					1.60			0.535
OREAS 147 (4 Acid) Meas			5.14		1930			1.23				59			3.45					1.65			0.58
OREAS 147 (4 Acid) Cert			4.90		1940			1.09				57.0			3.23					1.60			0.535
OREAS 147 (4 Acid) Meas			5.01		1870			1.21				65			3.37					1.63			0.57
OREAS 147 (4 Acid) Cert			4.90		1940			1.09				57.0			3.23					1.60			0.535
Oreas 521 (4 Acid) Meas		0.95	4.33	291		1.03	6.01	3.73		118	394	34	0.75	6500	20.0	17.6		3.4	0.195	3.16	91.8	17.2	1.13
Oreas 521 (4 Acid) Cert		0.89	4.77	336		0.860	5.85	3.86		123	386	31	0.72	6070	20.7	17.4		3.2	0.180	3.16	139	16.4	1.13
Oreas 521 (4 Acid) Meas			4.57					3.75				36			20.5					3.11			1.16
Oreas 521 (4 Acid) Cert			4.77					3.86				31			20.7					3.16			1.13
Oreas 521 (4 Acid) Meas			4.59					3.74				37			20.8					3.13			1.16
Oreas 521 (4 Acid) Cert			4.77					3.86				31			20.7					3.16			1.13
OREAS 70b (4 Acid) Meas		0.17	3.47	131	200	0.91	0.75	2.89	0.31	26.9	74.1		3.15	47.5	5.71	6.95		1.7	0.037	0.59	14.4	33.6	12.9
OREAS 70b (4 Acid) Cert		0.17	3.87	148	200	1.0	0.84	3.05	0.36	28.2	78.0		3.44	52.0	5.52	10.1		1.9	0.047	0.62	15.3	34.4	13.4
OREAS 70b (4 Acid) Meas		0.20	3.62	150	190	1.07	1.09	2.88	0.34	28.8	77.3		3.26	58.0	5.80	11.5		1.8	0.038	0.56	16.1	34.2	13.0
OREAS 70b (4 Acid) Cert		0.17	3.87	148	200	1.04	0.840	3.05	0.36	28.2	78.0		3.44	52.0	5.52	10.1		1.9	0.047	0.62	15.3	34.4	13.4
OREAS 620 (4 Acid) Meas		34.1	6.59	49.6	70	2.27	1.81	1.82	160	64.4	12.4	18	4.50	1640	3.10	24.1		5.3	0.995	1.72	25.7	19.2	0.36
OREAS 620 (4 Acid) Cert		38.5	6.72	50.0	2000	2.36	1.93	1.60	163	64.0	12.1	22	5.01	1730	2.94	23.7		5.6	1.15	2.63	29.7	20.0	0.34
OREAS 620 (4 Acid) Meas		35.2	6.59	46.3	60	2.63	1.86	1.80	166	65.2	11.9	20	4.77	1670	3.11	21.3		5.3	1.06	1.91	28.1	19.1	0.36
OREAS 620 (4 Acid) Cert		38.5	6.72	50.0	2000	2.36	1.93	1.60	163	64.0	12.1	22	5.01	1730	2.94	23.7		5.6	1.15	2.63	29.7	20.0	0.34
OREAS 620 (4 Acid) Meas		37.8	6.99	51.6	60	2.12	1.87	1.81	165	67.9	13.5	23	5.01	1770	3.17	21.3		5.4	1.15	2.05	29.0	19.6	0.37
OREAS 620 (4 Acid) Cert		38.5	6.72	50.0	2000	2.36	1.93	1.60	163	64.0	12.1	22	5.01	1730	2.94	23.7		5.6	1.15	2.63	29.7	20.0	0.34
OREAS 620 (4 Acid) Meas			6.72		70			1.81				18			3.13					2.65			0.36
OREAS 620 (4 Acid) Cert			6.72		2000			1.60				22			2.94					2.63			0.34
OREAS 753 (4 Acid) Meas			8.42		20			0.13				16			0.93					2.35			0.01

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01
Method Code	FA-AA	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP
OREAS 753 (4 Acid) Cert			8.22		20			0.11				21			0.84					1.93			0.01
OREAS 753 (4 Acid) Meas			8.48		20			0.13				19			0.90					1.86			0.01
OREAS 753 (4 Acid) Cert			8.22		20			0.11				21			0.84					1.93			0.01
OREAS 753 (4 Acid) Meas			7.89		20			0.13				17			0.90					1.60			0.01
OREAS 753 (4 Acid) Cert			8.22		20			0.11				21			0.84					1.93			0.01
OREAS L15 Meas	7020																						
OREAS L15 Cert	7180																						
OREAS L16 Meas																							
OREAS L16 Cert																							
290256 Orig		45.1	0.65	2.0	20	< 0.05	10.2	0.46	72.9	4.03	8.5	20	0.14	1750	2.26	1.76	0.07	0.2	0.299	0.09	1.8	1.6	0.17
290256 Dup		45.3	0.66	1.7	20	< 0.05	10.5	0.46	60.3	3.94	8.2	17	0.15	1650	2.28	1.63	0.06	0.2	0.274	0.09	1.8	1.5	0.17
Method Blank		< 0.01	< 0.01	0.5	< 10	0.20	< 0.01	< 0.01	0.03	< 0.01	< 0.1	4	< 0.05	< 0.2	< 0.01	0.17	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01
Method Blank		< 0.01	< 0.01	0.3	< 10	0.19	< 0.01	< 0.01	0.03	0.02	< 0.1	4	< 0.05	< 0.2	< 0.01	0.16	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01
Method Blank			< 0.01		< 10			< 0.01				5			< 0.01					< 0.01			< 0.01
Method Blank			< 0.01		< 10			< 0.01				3			< 0.01					< 0.01			< 0.01
Method Blank			< 0.01		< 10			< 0.01				4			< 0.01					< 0.01			< 0.01
Method Blank			< 0.01		< 10			< 0.01							< 0.01					< 0.01			< 0.01
Method Blank			< 0.01		< 10			< 0.01				5			< 0.01					< 0.01			< 0.01
Method Blank			< 0.01		< 10			< 0.01				5			< 0.01					< 0.01			< 0.01
Method Blank			< 0.01		< 10			< 0.01				3			< 0.01					< 0.01			< 0.01
Method Blank			< 0.01		< 10			< 0.01				2			< 0.01					< 0.01			< 0.01
Method Blank			< 0.01		< 10			< 0.01				8			< 0.01					< 0.01			< 0.01
Method Blank			< 0.01		< 10			< 0.01				5			< 0.01					< 0.01			< 0.01
Method Blank			< 0.01		< 10			< 0.01				8			< 0.01					< 0.01			< 0.01
Method Blank		< 0.01	< 0.01	< 0.2	< 10	0.05	< 0.01	< 0.01	< 0.02	0.02	< 0.1	9	< 0.05	< 0.2	< 0.01	0.16	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	0.3	< 0.01
Method Blank		< 0.01	< 0.01	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1	2	< 0.05	0.2	< 0.01	0.19	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	0.3	< 0.01
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank																							

Analyte Symbol	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	5	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1	0.1
Method Code	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS
OREAS 101b (4 Acid) Meas	954	19.7			8.8	1030	22.2											38.4	0.348		374	81	
OREAS 101b (4 Acid) Cert	927	20.1			8.2	1118	23											36.4	0.35		387	77	
OREAS 101b (4 Acid) Meas	927					1250													0.358			83	
OREAS 101b (4 Acid) Cert	927					1118													0.35			77	
OREAS 101b (4 Acid) Meas	845					1130													0.324			75	
OREAS 101b (4 Acid) Cert	927					1118													0.35			77	
OREAS 98 (4 Acid) Meas							351			> 10.0	10.1		179	217									
OREAS 98 (4 Acid) Cert							345			15.5	20.1		158	206									
OREAS 98 (4 Acid) Meas										> 10.0													
OREAS 98 (4 Acid) Cert										15.5													
OREAS 98 (4 Acid) Meas										> 10.0													
OREAS 98 (4 Acid) Cert										15.5													
OREAS 13b (4-Acid) Meas										1.17													
OREAS 13b (4-Acid) Cert										1.2													
OREAS 13b (4-Acid) Meas										1.12													
OREAS 13b (4-Acid) Cert										1.2													
OREAS 13b (4-Acid) Meas										1.16													
OREAS 13b (4-Acid) Cert										1.2													
OREAS 903 (4 Acid) Meas	748		0.03			1040				0.49									0.312			86	
OREAS 903 (4 Acid) Cert	690		0.0300			1070				0.500									0.192			74.0	
OREAS 903 (4 Acid) Meas	722		0.03			1200				0.49									0.305			86	
OREAS 903 (4 Acid) Cert	690		0.0300			1070				0.500									0.192			74.0	
OREAS 903 (4 Acid) Meas	739		0.03			1260				0.49									0.296			86	
OREAS 903 (4 Acid) Cert	690		0.0300			1070				0.500									0.192			74.0	
OREAS 45d (4-Acid) Meas	535		0.09			390				0.05									0.770			245	
OREAS 45d (4-Acid) Cert	490.000		0.101			420.000				0.049									0.773			235.0	
OREAS 45d (4-Acid) Meas	514		0.09			400				0.04									0.432			152	
OREAS 45d (4-Acid) Cert	490.000		0.101			420.000				0.049									0.773			235.0	
OREAS 45d (4-Acid) Meas	509		0.09			390				0.04									0.271			122	

Analyte Symbol	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	5	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1	0.1
Method Code	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS
OREAS 45d (4-Acid) Cert	490.000		0.101			420.000				0.049									0.773			235.0	
OREAS 96 (4 Acid) Meas							102			4.46	6.29		37	64.9									
OREAS 96 (4 Acid) Cert							101			4.19	5.09		40.7	65.6									
OREAS 96 (4 Acid) Meas										4.26													
OREAS 96 (4 Acid) Cert										4.19													
OREAS 96 (4 Acid) Meas										4.25													
OREAS 96 (4 Acid) Cert										4.19													
Oreas 77b (4 Acid) Meas	611		0.37	3.6	> 10000		56.3	19.9	0.020		9.70	3.8		1.6	36.1	0.29	1.41	6.48	0.061	1.40	1.6	36	3.2
Oreas 77b (4 Acid) Cert	640		0.434	3.26	113000		61.0	19.1	0.0220		9.100	3.51		1.59	34.4	0.280	1.35	6.61	0.0640	1.37	1.71	33.6	3.07
Oreas 77b (4 Acid) Meas	572		0.38	3.5	> 10000		60.8	19.8	0.021		9.02	3.7		1.7	38.2	0.28	1.61	6.73	0.058	1.47	1.8	38	4.0
Oreas 77b (4 Acid) Cert	640		0.434	3.26	113000		61.0	19.1	0.0220		9.100	3.51		1.59	34.4	0.280	1.35	6.61	0.0640	1.37	1.71	33.6	3.07
Oreas 77b (4 Acid) Meas	604		0.40																0.060			40	
Oreas 77b (4 Acid) Cert	640		0.434																0.0640			33.6	
Oreas 72b (4 Acid) Meas	983	3.75	0.94	5.8	6300	260	13.7	44.5		1.36	0.87	11.7		1.3	61.9	0.43	< 0.05	10.5	0.202	0.34	4.3	73	4.3
Oreas 72b (4 Acid) Cert	1010	4.01	1.01	5.50	6860	260	14.9	50.8		1.49	0.870	12.8		1.43	63.8	0.430	0.0920	11.3	0.216	0.350	4.68	73.6	4.00
Oreas 72b (4 Acid) Meas	981	4.12	0.93	5.8	6320	240	13.1	47.1		1.43	0.47	11.2		1.3	60.4	0.38	0.06	10.8	0.200	0.35	4.2	72	3.6
Oreas 72b (4 Acid) Cert	1010	4.01	1.01	5.50	6860	260	14.9	50.8		1.49	0.870	12.8		1.43	63.8	0.430	0.0920	11.3	0.216	0.350	4.68	73.6	4.00
Oreas 72b (4 Acid) Meas	982	4.42	0.98	5.9	6810	290	14.7	50.7		1.44	0.60	11.9		1.5	71.6	0.38	0.05	11.0	0.208	0.36	4.6	75	4.4
Oreas 72b (4 Acid) Cert	1010	4.01	1.01	5.50	6860	260	14.9	50.8		1.49	0.870	12.8		1.43	63.8	0.430	0.0920	11.3	0.216	0.350	4.68	73.6	4.00
Oreas 72b (4 Acid) Meas	956		0.96			290				1.42									0.202			74	
Oreas 72b (4 Acid) Cert	1010		1.01			260				1.49									0.216			73.6	
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
OREAS 681 (4 Acid) Meas	1330	1.05	1.55	3.9	466	1340	9.3	76.6		0.10	0.18	25.8		1.5	464	0.10		6.46	0.538		1.3	242	0.4
OREAS 681 (4 Acid) Cert	1310	1.38	1.61	6.17	503	1410	10.2	80.0		0.109	0.240	27.7		1.89	478	0.420		6.55	0.588		1.44	253	1.09
OREAS 681 (4 Acid) Meas	1290	1.33	1.53	6.0	505	1330	10.1	86.8		0.10	0.13	25.8		1.6	501	0.28		7.34	0.539		1.4	241	0.7
OREAS 681 (4 Acid) Cert	1310	1.38	1.61	6.17	503	1410	10.2	80.0		0.109	0.240	27.7		1.89	478	0.420		6.55	0.588		1.44	253	1.09
OREAS 681 (4 Acid) Meas	1300	1.33	1.59	6.6	528	1510	10.6	83.9		0.10	0.22	28.7		1.7	508	0.35		7.22	0.575		1.6	251	1.0
OREAS 681 (4 Acid) Cert	1310	1.38	1.61	6.17	503	1410	10.2	80.0		0.109	0.240	27.7		1.89	478	0.420		6.55	0.588		1.44	253	1.09

Analyte Symbol	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	5	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1	0.1
Method Code	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS
OREAS 681 (4 Acid) Meas	1270		1.54			1460				0.10									0.548			243	
OREAS 681 (4 Acid) Cert	1310		1.61			1410				0.109									0.588			253	
OREAS 247 (4 Acid) Meas	377		0.46			450				0.71									0.356			71	
OREAS 247 (4 Acid) Cert	360		0.499			480				0.714									0.390			82.0	
OREAS 147 (4 Acid) Meas	423		0.96			980				0.02									0.232			48	
OREAS 147 (4 Acid) Cert	390		0.948			1550				0.0300									0.470			60.0	
OREAS 147 (4 Acid) Meas	416		0.98			1180				0.02									0.250			49	
OREAS 147 (4 Acid) Cert	390		0.948			1550				0.0300									0.470			60.0	
OREAS 147 (4 Acid) Meas	410		0.96			1220				0.02									0.237			47	
OREAS 147 (4 Acid) Cert	390		0.948			1550				0.0300									0.470			60.0	
Oreas 521 (4 Acid) Meas	3030	146	0.92	3.0	74.5	770	7.8	114	0.066	1.75	4.26	14.1	2	6.8	113	0.06	0.17	4.57	0.339	0.29	31.0	203	33.7
Oreas 521 (4 Acid) Cert	3210	138	0.98	5.6	73.0	810	9.3	98.0	0.064	1.80	5.66	13.9	2	7.1	158	0.5	0.76	8.26	0.393	0.27	31.0	209	92.0
Oreas 521 (4 Acid) Meas	3000		0.95			880				1.70									0.411			214	
Oreas 521 (4 Acid) Cert	3210		0.98			810				1.80									0.393			209	
Oreas 521 (4 Acid) Meas	3000		0.95			900				1.69									0.416			215	
Oreas 521 (4 Acid) Cert	3210		0.98			810				1.80									0.393			209	
OREAS 70b (4 Acid) Meas	1130	3.35	0.72	4.0	2000	230	12.7			0.28	0.60	11.6		1.2	69.8	0.34		6.50	0.168	0.33	1.6	66	5.3
OREAS 70b (4 Acid) Cert	1150	3.30	0.77	3.7	2180	220	13.7			0.31	0.56	12.4		1.2	74.0	0.30		6.91	0.181	0.33	1.7	67	4.9
OREAS 70b (4 Acid) Meas	1100	3.02	0.73	3.8	2200	240	14.1			0.28	0.45	13.0		1.3	80.0	0.24		6.84	0.170	0.32	1.8	66	4.1
OREAS 70b (4 Acid) Cert	1150	3.30	0.77	3.7	2180	220	13.7			0.31	0.56	12.4		1.2	74.0	0.30		6.91	0.181	0.33	1.7	67	4.9
OREAS 620 (4 Acid) Meas	459	8.19	1.79	13.5	13.5	360	7050	93.5		2.66	12.1	4.6		4.4	106	0.27		7.75	0.160	1.57	3.8	24	1.8
OREAS 620 (4 Acid) Cert	440	9.47	1.94	13.1	15.2	350	7740	116		2.47	76.0	5.2		4.9	131	1.1		11.0	0.135	1.61	4.2	21	2.2
OREAS 620 (4 Acid) Meas	445	8.25	1.79	12.1	14.4	370	7500	93.2		2.61	14.6	4.0		4.5	112	0.16		8.27	0.160	1.53	4.0	24	1.8
OREAS 620 (4 Acid) Cert	440	9.47	1.94	13.1	15.2	350	7740	116		2.47	76.0	5.2		4.9	131	1.1		11.0	0.135	1.61	4.2	21	2.2
OREAS 620 (4 Acid) Meas	447	8.36	1.84	12.9	15.2	410	8190	120		2.53	10.8	4.5		4.9	125	0.22		8.71	0.159	1.63	4.1	24	2.6
OREAS 620 (4 Acid) Cert	440	9.47	1.94	13.1	15.2	350	7740	116		2.47	76.0	5.2		4.9	131	1.1		11.0	0.135	1.61	4.2	21	2.2
OREAS 620 (4 Acid) Meas	417		1.82			390				2.60									0.160			24	
OREAS 620 (4 Acid) Cert	440		1.94			350				2.47									0.135			21	
OREAS 753 (4 Acid) Meas	822		1.99			1170				0.02									< 0.005			2	

Analyte Symbol	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	5	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1	0.1
Method Code	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS
OREAS 753 (4 Acid) Cert	740		2.16			1110				0.014									0.004			1	
OREAS 753 (4 Acid) Meas	801		1.99			1210				0.01									< 0.005			3	
OREAS 753 (4 Acid) Cert	740		2.16			1110				0.014									0.004			1	
OREAS 753 (4 Acid) Meas	777		2.03			1070				< 0.01									< 0.005			2	
OREAS 753 (4 Acid) Cert	740		2.16			1110				0.014									0.004			1	
OREAS L15 Meas																							
OREAS L15 Cert																							
OREAS L16 Meas																							
OREAS L16 Cert																							
290256 Orig	188	9.31	0.18	0.8	13.9	130	> 10000	3.7	< 0.002	2.43	5.07	2.3	8	0.2	23.4	< 0.05	30.2	0.14	0.086	0.03	< 0.1	18	1.2
290256 Dup	191	9.02	0.18	0.8	13.0	130	> 10000	3.6	< 0.002	2.48	4.87	1.9	7	< 0.2	23.7	< 0.05	30.4	0.14	0.085	0.03	< 0.1	18	1.0
Method Blank	6	0.08	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	0.002	< 0.01	< 0.05	0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.01	< 0.005	< 0.02	< 0.1	< 1	< 0.1
Method Blank		0.08	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	0.3	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.01	< 0.005	< 0.02	< 0.1	< 1	< 0.1
Method Blank			< 0.01			< 10				< 0.01									< 0.005			< 1	
Method Blank			< 0.01			< 10				< 0.01									< 0.005			< 1	
Method Blank			< 0.01			< 10				< 0.01									< 0.005			< 1	
Method Blank			< 0.01			< 10				< 0.01									< 0.005			< 1	
Method Blank			< 0.01			< 10				< 0.01									< 0.005			< 1	
Method Blank			< 0.01			< 10				< 0.01									< 0.005			< 1	
Method Blank	7		< 0.01			< 10				< 0.01									< 0.005			< 1	
Method Blank	< 5		< 0.01			< 10				< 0.01									< 0.005			< 1	
Method Blank			< 0.01			< 10				< 0.01									< 0.005			< 1	
Method Blank	7		< 0.01			< 10				< 0.01									< 0.005			< 1	
Method Blank			< 0.01			< 10				< 0.01									< 0.005			1	
Method Blank	< 5	0.09	< 0.01	< 0.1	0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.01	< 0.005	< 0.02	< 0.1	1	< 0.1
Method Blank	7	< 0.05	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.01	< 0.005	< 0.02	< 0.1	< 1	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Y	Zn	Zr	Au
Unit Symbol	ppm	ppm	ppm	g/tonne
Lower Limit	0.1	2	0.5	0.02
Method Code	TD-MS	TD-ICP	TD-MS	FA-GRA
OREAS 101b (4 Acid) Meas	126			
OREAS 101b (4 Acid) Cert	133			
OREAS 101b (4 Acid) Meas				
OREAS 101b (4 Acid) Cert				
OREAS 101b (4 Acid) Meas				
OREAS 101b (4 Acid) Cert				
OREAS 98 (4 Acid) Meas		1270		
OREAS 98 (4 Acid) Cert		1360		
OREAS 98 (4 Acid) Meas		1250		
OREAS 98 (4 Acid) Cert		1360		
OREAS 98 (4 Acid) Meas		1270		
OREAS 98 (4 Acid) Cert		1360		
OREAS 13b (4-Acid) Meas		137		
OREAS 13b (4-Acid) Cert		133		
OREAS 13b (4-Acid) Meas		127		
OREAS 13b (4-Acid) Cert		133		
OREAS 13b (4-Acid) Meas		128		
OREAS 13b (4-Acid) Cert		133		
OREAS 903 (4 Acid) Meas		27		
OREAS 903 (4 Acid) Cert		24.3		
OREAS 903 (4 Acid) Meas		28		
OREAS 903 (4 Acid) Cert		24.3		
OREAS 903 (4 Acid) Meas		26		
OREAS 903 (4 Acid) Cert		24.3		
OREAS 45d (4-Acid) Meas		46		
OREAS 45d (4-Acid) Cert		45.7		
OREAS 45d (4-Acid) Meas		50		
OREAS 45d (4-Acid) Cert		45.7		
OREAS 45d (4-Acid) Meas		47		

Analyte Symbol	Y	Zn	Zr	Au
Unit Symbol	ppm	ppm	ppm	g/tonne
Lower Limit	0.1	2	0.5	0.02
Method Code	TD-MS	TD-ICP	TD-MS	FA-GRA
OREAS 45d (4-Acid) Cert		45.7		
OREAS 96 (4 Acid) Meas		449		
OREAS 96 (4 Acid) Cert		457		
OREAS 96 (4 Acid) Meas		436		
OREAS 96 (4 Acid) Cert		457		
OREAS 96 (4 Acid) Meas		435		
OREAS 96 (4 Acid) Cert		457		
Oreas 77b (4 Acid) Meas	6.5	170	39.8	
Oreas 77b (4 Acid) Cert	6.55	205	37.9	
Oreas 77b (4 Acid) Meas	7.0	166	40.7	
Oreas 77b (4 Acid) Cert	6.55	205	37.9	
Oreas 77b (4 Acid) Meas		175		
Oreas 77b (4 Acid) Cert		205		
Oreas 72b (4 Acid) Meas	11.5	91	84.6	
Oreas 72b (4 Acid) Cert	12.8	99.0	88.0	
Oreas 72b (4 Acid) Meas	11.6	89	82.3	
Oreas 72b (4 Acid) Cert	12.8	99.0	88.0	
Oreas 72b (4 Acid) Meas	13.1	91	95.4	
Oreas 72b (4 Acid) Cert	12.8	99.0	88.0	
Oreas 72b (4 Acid) Meas		87		
Oreas 72b (4 Acid) Cert		99.0		
Oreas E1336 (Fire Assay) Meas				
Oreas E1336 (Fire Assay) Cert				
OREAS 681 (4 Acid) Meas	15.2	78	55.5	
OREAS 681 (4 Acid) Cert	17.5	88.0	58.0	
OREAS 681 (4 Acid) Meas	16.2	80	63.0	
OREAS 681 (4 Acid) Cert	17.5	88.0	58.0	
OREAS 681 (4 Acid) Meas	16.6	76	65.7	
OREAS 681 (4 Acid) Cert	17.5	88.0	58.0	

Analyte Symbol	Y	Zn	Zr	Au
Unit Symbol	ppm	ppm	ppm	g/tonne
Lower Limit	0.1	2	0.5	0.02
Method Code	TD-MS	TD-ICP	TD-MS	FA-GRA
OREAS 681 (4 Acid) Meas		76		
OREAS 681 (4 Acid) Cert		88.0		
OREAS 247 (4 Acid) Meas		85		
OREAS 247 (4 Acid) Cert		86.0		
OREAS 147 (4 Acid) Meas		143		
OREAS 147 (4 Acid) Cert		138		
OREAS 147 (4 Acid) Meas		146		
OREAS 147 (4 Acid) Cert		138		
OREAS 147 (4 Acid) Meas		143		
OREAS 147 (4 Acid) Cert		138		
Oreas 521 (4 Acid) Meas	20.1	25	136	
Oreas 521 (4 Acid) Cert	19.9	24	123	
Oreas 521 (4 Acid) Meas		23		
Oreas 521 (4 Acid) Cert		24		
Oreas 521 (4 Acid) Meas		23		
Oreas 521 (4 Acid) Cert		24		
OREAS 70b (4 Acid) Meas	8.5	99	62.8	
OREAS 70b (4 Acid) Cert	9.8	110	66.0	
OREAS 70b (4 Acid) Meas	9.4	98	70.5	
OREAS 70b (4 Acid) Cert	9.8	110	66.0	
OREAS 620 (4 Acid) Meas	12.3	> 10000	205	
OREAS 620 (4 Acid) Cert	12.3	31500	202	
OREAS 620 (4 Acid) Meas	11.7	> 10000	205	
OREAS 620 (4 Acid) Cert	12.3	31500	202	
OREAS 620 (4 Acid) Meas	12.5	> 10000	213	
OREAS 620 (4 Acid) Cert	12.3	31500	202	
OREAS 620 (4 Acid) Meas		> 10000		
OREAS 620 (4 Acid) Cert		31500		
OREAS 753 (4 Acid) Meas		97		

Analyte Symbol	Y	Zn	Zr	Au
Unit Symbol	ppm	ppm	ppm	g/tonne
Lower Limit	0.1	2	0.5	0.02
Method Code	TD-MS	TD-ICP	TD-MS	FA-GRA
OREAS 753 (4 Acid) Cert		87		
OREAS 753 (4 Acid) Meas		94		
OREAS 753 (4 Acid) Cert		87		
OREAS 753 (4 Acid) Meas		96		
OREAS 753 (4 Acid) Cert		87		
OREAS L15 Meas				7.15
OREAS L15 Cert				7.18
OREAS L16 Meas				12.9
OREAS L16 Cert				12.97
290256 Orig	1.8	8030	6.2	
290256 Dup	1.9	8000	6.0	
Method Blank	< 0.1	< 2	< 0.5	
Method Blank	< 0.1	< 2	< 0.5	
Method Blank		< 2		
Method Blank		< 2		
Method Blank		< 2		
Method Blank		< 2		
Method Blank		< 2		
Method Blank		< 2		
Method Blank		< 2		
Method Blank		< 2		
Method Blank		< 2		
Method Blank		< 2		
Method Blank		< 2		
Method Blank	< 0.1	< 2	< 0.5	
Method Blank	< 0.1	< 2	< 0.5	
Method Blank				
Method Blank				
Method Blank				< 0.02
Method Blank				< 0.02

Actlabs Geometallurgy-MLA Dept
41 Bittern Street
Ancaster, Ontario L9G 4V5
Telephone: 905-648-9611 ext. 170
Fax: 905-648-9613
www.Actlabs.com

Actlab ID	Client ID
A22-16241-02	290252
A22-16241-03	290253
A22-16241-05	290255

ACTLABS ID: A22-16241, DECEMBER 2022

METHODS USED

A representative portion of each sample was split using micro Riffle Splitter. Two grams of the sample was embedded in the epoxy resin for preparing round polished sections. The analysis were done by QEMSCAN using Line Scan settings for modal mineralogy and TMS for gold search. The raw data will be delted in 6 weeks.

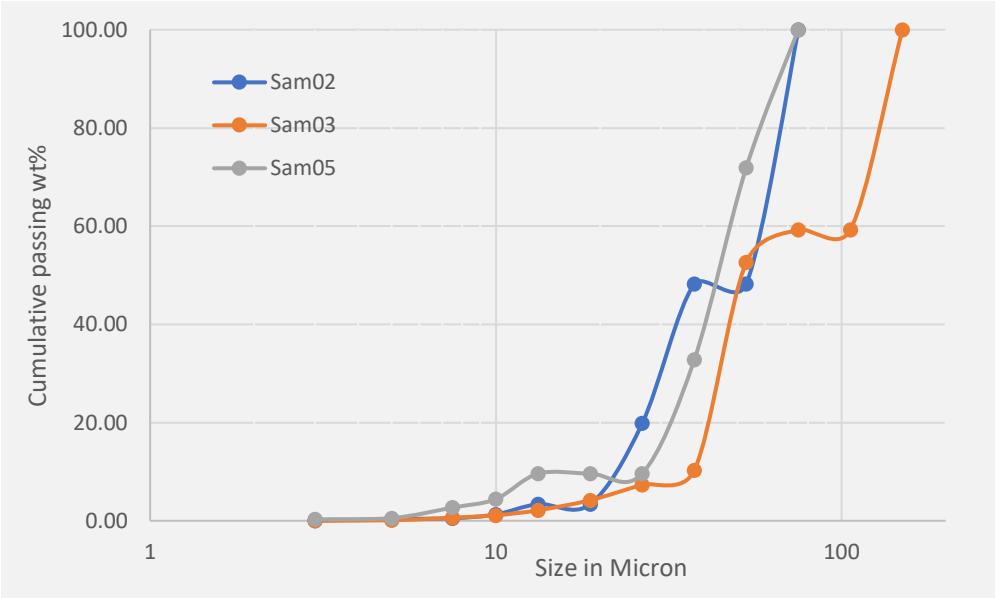
	Sam02	Sam03	Sam05
Gold (Electrum)	<0.01	<0.01	<0.01
Acanthite	0.01	0.00	0.02
Ag-Cu-Fe Sulfide	<0.01	n.d.	n.d.
Ag Telluride	<0.01	n.d.	<0.01
Ag Selenide	<0.01	n.d.	n.d.
Silver w/ low Gold	n.d.	<0.01	n.d.
Chalcopyrite	6.54	0.02	1.13
Sphalerite	0.00	0.01	0.01
Pyrite	0.91	0.01	1.64
Galena	0.05	0.02	0.18
Molybdenite	0.00	0.01	0.03
Bismuth	0.19	0.00	n.d.
Mag/Hem	0.25	0.18	0.22
Ilmenite	0.00	n.d.	0.01
Rutile	0.03	0.02	0.03
Quartz	85.21	74.32	86.19
Plagioclase	0.24	0.69	6.11
K Feldspar	0.01	0.07	0.03
Biotite	0.03	0.06	0.29
Muscovite	0.02	1.51	0.06
Chlorite	0.15	0.98	0.21
Amphibole	0.00	0.09	0.02
Mg-Fe Pyroxene	0.03	0.04	0.03
Si-Al Clays	0.06	3.02	0.24
Calcite	0.09	17.64	0.90
Ankerite	0.00	0.57	0.01
Apatite	0.00	0.03	0.01
Quartz-Sulfide Mix	5.88	0.41	2.29
Others	0.29	0.28	0.34
Sum	100	100	100

Note:
Gold appears as electrum in all samples with varying amounts of Au and Ag. Please see the representative EDS spectra. Electrum grains in these sample are relatively coarse with a size range of 3 micron up to 150 micron, liberated within the studied size fraction.

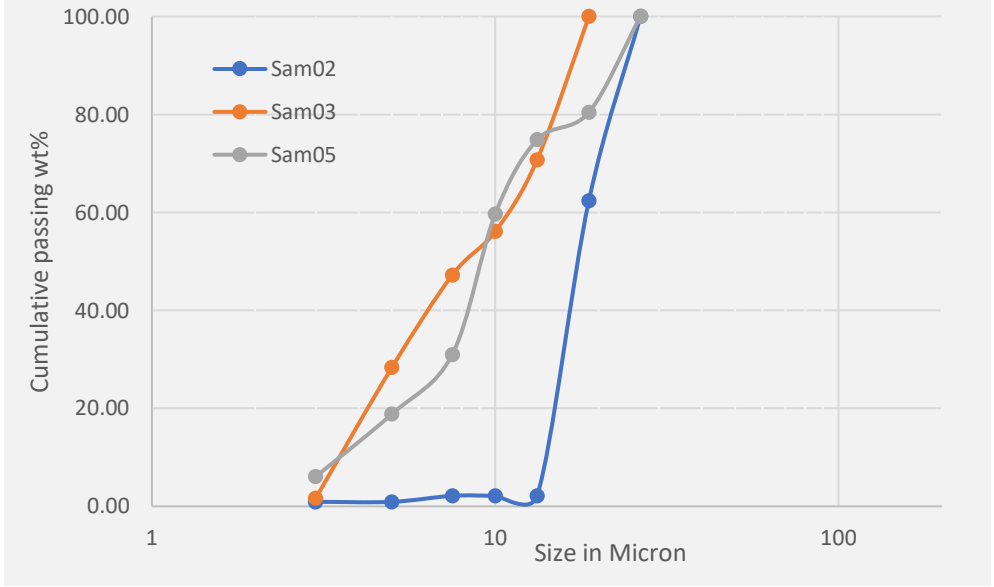
Ag appears as different phases in each sample, with Acanthite appearing in all samples and mostly as Ag telluride in sample 5.

	# gold grains	# silver grains	Gold Phase	Silver Phase	Size Range	Apperance
Sample 02	16	10	Electrum	Acanthite/Ag Selenide	See Size	See Liberation/Association
Sample 03	25	12	Electrum	Acnthite/Native Silver		
Sample 05	18	+100	Electrum	Acanthite/Ag Telluride		

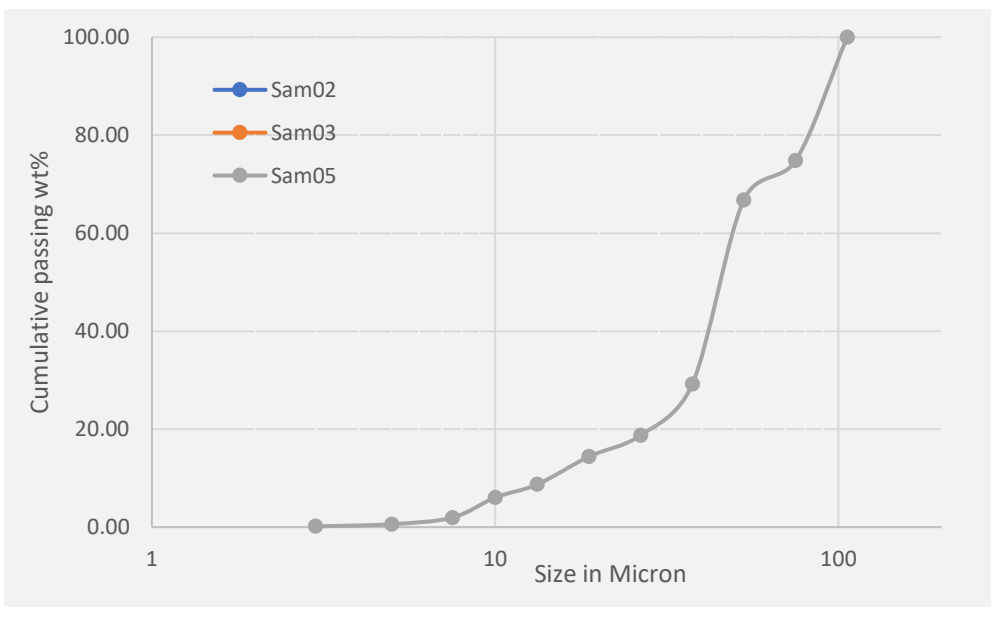
Gold	Cumulative Passing Wt%		
Size in micron	Sam02	Sam03	Sam05
3	0.00	0.03	0.29
5	0.35	0.11	0.55
7.5	0.53	0.61	2.70
10.0	1.29	1.11	4.43
13.3	3.38	2.14	9.60
18.8	3.38	4.19	9.60
26.5	19.82	7.34	9.60
37.5	48.21	10.29	32.81
53.0	48.21	52.62	71.90
75.0	100.00	59.26	100.00
106.0		59.26	
150.0		100.00	



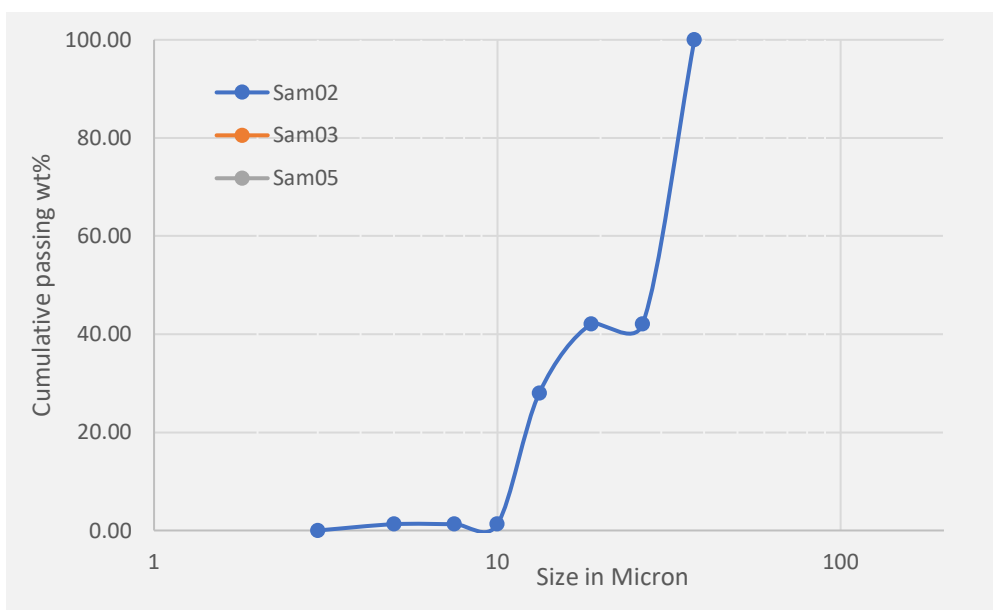
Acanthite	Cumulative Passing Wt%		
Size in micron	Sam02	Sam03	Sam05
3	0.92	1.67	6.06
5	0.92	28.33	18.84
7.5	2.16	47.22	31.00
10.0	2.16	56.11	59.64
13.3	2.16	70.74	74.83
18.8	62.40	100.00	80.45
26.5	100.00		100.00



Ag Telluride	Cumulative Passing Wt%		
Size in micron	Sam02	Sam03	Sam05
3			0.16
5			0.62
7.5			1.95
10.0			6.06
13.3			8.71
18.8			14.40
26.5			18.74
37.5			29.16
53.0			66.78
75.0			74.78
106.0			100.00



Ag Selenide	ative Passing Wt%		
Size in micron	Sam02	Sam03	Sam05
3	0.00		
5	1.28		
7.5	1.28		
10.0	1.28		
13.3	28.01		
18.8	42.06		
26.5	42.06		
37.5	100.00		



Liberation Gold, Free Surface Area

	Locked					Associated				Liberated	
	<10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	Free
Sample 02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	99.89
Sample 03	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.30
Sample 05	3.47	0.55	0.00	1.25	0.99	21.51	0.07	0.00	0.00	4.90	67.25

Liberation Acanthite, Free Surface Area

	Locked					Associated				Liberated	
	<10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	Free
Sample 02	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.08
Sample 03	11.09	62.11	8.13	3.70	0.00	2.03	0.00	0.00	0.00	0.00	12.94
Sample 05	32.77	7.39	0.00	18.43	0.00	24.22	0.00	10.64	0.00	0.00	6.54

Liberation Ag Telluride, Free Surface Area

	Locked					Associated				Liberated	
	<10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	Free
Sample 05	4.39	1.32	1.22	0.00	7.76	0.45	0.22	0.37	5.46	19.41	59.39

Liberation Ag Selenide, Free Surface Area

	Locked					Associated				Liberated	
	<10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	Free
Sample 02	0.00	0.00	20.11	0.00	0.00	0.00	15.32	0.00	0.00	0.00	64.57

Association Gold

		Binary								Ternary
	Free	Ag Telluride	Silver	Acanthite	Ag Selenide	Ag-Cu-Fe Sulfide	Pyrite	Galena	Chalcopyrite	Other
Sample 02	99.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
Sample 03	99.30	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sample 05	72.16	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.84

Association Acanthite

		Binary								Ternary
	Free	Gold	Ag Telluride	Ag Selenide	g-Cu-Fe Sulfic	Silver	Pyrite	Galena	Chalcopyrite	Other
Sample 02	99.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92
Sample 03	12.99	0.00	0.00	0.00	0.00	53.80	0.00	28.01	0.00	5.19
Sample 05	6.60	0.00	1.26	0.00	0.00	0.00	32.00	35.59	0.00	24.55

Association Ag Telluride

		Binary								Ternary
	Free	Gold	Acanthite	Ag Selenide	g-Cu-Fe Sulfic	Silver	Pyrite	Galena	Chalcopyrite	Other
Sample 05	78.80	9.31	0.37	0.00	0.00	0.00	5.24	4.78	0.00	1.50

Association Ag Selenide

		Binary								Ternary
	Free	Gold	Acanthite	Ag Telluride	g-Cu-Fe Sulfic	Silver	Pyrite	Galena	Chalcopyrite	Other
Sample 02	64.57	0.00	0.00	0.00	0.00	0.00	0.00	15.32	0.00	20.11

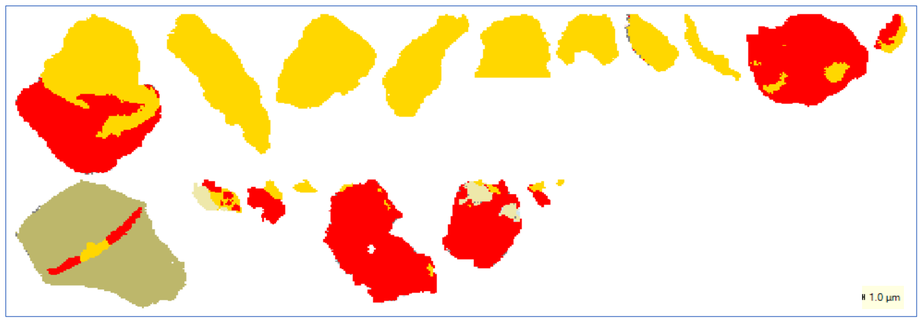
Gold Images

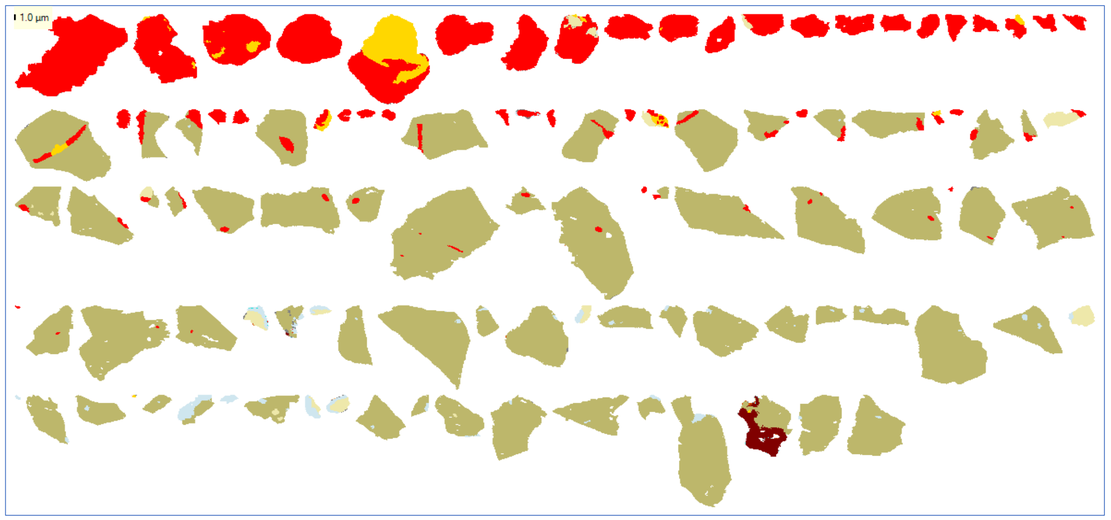
Silver Phases Images

Sample 02

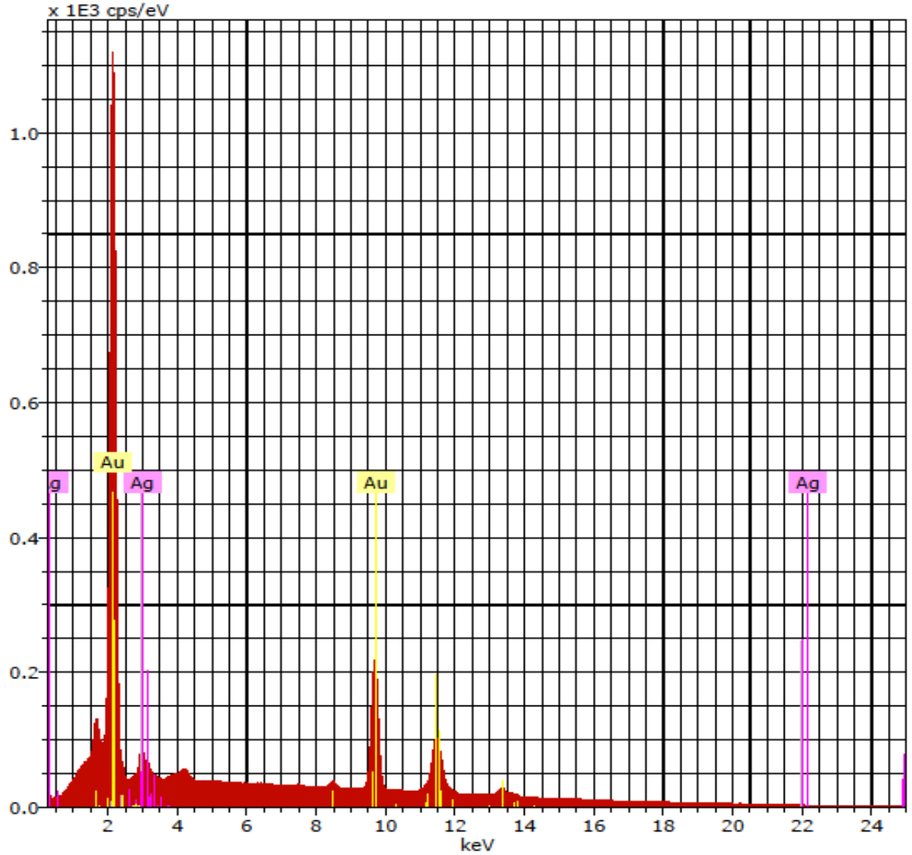
Sample 03

Sample 05



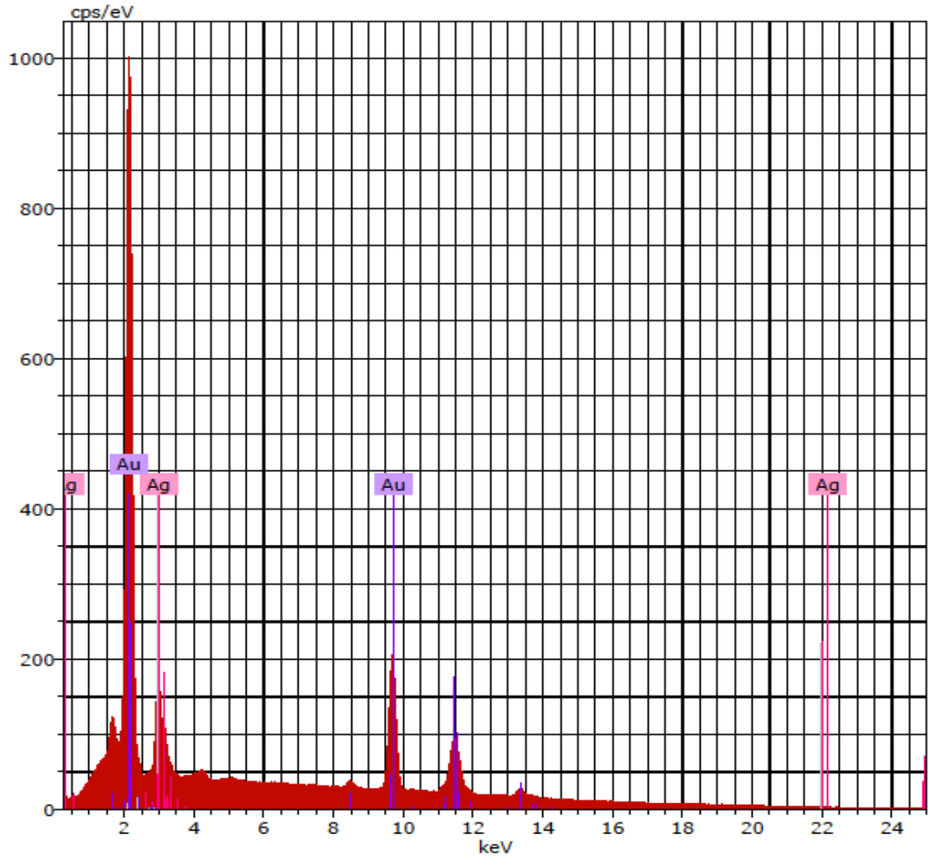


Representative EDS Spectra from Electrum



_1 4781 Date:12/14/2022 8:00:02 AM HV:25.0kV Puls th.:889kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
Ag	47	L-series	4.91	6.56	11.37	0.18
Au	79	L-series	69.93	93.44	88.63	1.81
Total:			74.84	100.00	100.00	



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El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
Ag	47	L-series	13.11	17.72	28.23	0.44
Au	79	L-series	60.84	82.28	71.77	1.58
Total:			73.94	100.00	100.00	

APPENDIX V – GEOPHYSICAL SURVEY

Technical Report

Heliborne Magnetic and TDEM Survey

Black Lake Drayton Project, Sioux Lookout Area
Patricia Mining Division, Ontario
2022

Heritage Mining Ltd.
1700-1055 West Hastings St.
Vancouver, BC, Canada, V6E 2E9

Prospectair Geosurveys

Dynamic Discovery Geoscience

Prepared by:
Joël Dubé, P.Eng.

June 2022

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Survey flown by :

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contact@prospectair.ca

Table of Contents

I. INTRODUCTION 5

II. SURVEY EQUIPMENT 9

Airborne Magnetometers 9
Geometrics G-822A 9
Time-Domain Electromagnetic Transmitter and Receiver 9
ProspecTEM 9
Real-Time Differential GPS 11
Omnistar DGPS 11
Airborne Navigation and Data Acquisition System 12
Pico-Envirotec AGIS-XP system 12
Magnetic Base Station 12
GEM GSM-19 12
Altimeters 12
Free Flight Radar Altimeter 12
Prospectair Digital Barometric Pressure Sensor 12
Survey helicopter 12
Eurocopter EC120B (registration C-GEDI) 12

III. SURVEY SPECIFICATIONS 14

Data Recording 14
Technical Specifications 14

IV. SYSTEM TESTS 15

Magnetometer System Calibration 15
Instrumentation Lag 15

V. FIELD OPERATIONS 16

VI. DIGITAL DATA COMPILATION 17

Magnetometer Data 17
Radar Altimeter Data 19
Positional Data 19
Terrain Data 19
TDEM Data 19
Gridding 20

VII. RESULTS AND DISCUSSION 21

Magnetic data 21
Time-Domain Electromagnetic data 28

VIII. WORK RECOMMENDATION 32

IX. FINAL PRODUCTS 33

Digital line data 33
Maps 33
Grids 34
Project report 34

X. STATEMENT OF QUALIFICATIONS 35

XI. APPENDIX A – SURVEY BLOCK OUTLINE 36

XII. APPENDIX B – PROPERTY CLAIMS COVERED BY THE SURVEY 38

XIII. APPENDIX C – BLACK LAKE DRAYTON BLOCK TDEM ANOMALY TABLE 53

FIGURES

FIGURE 1: GENERAL SURVEY LOCATION 5
FIGURE 2: SURVEY LOCATION AND BASE OF OPERATION 6
FIGURE 3: SURVEY LINES AND BLACK LAKE DRAYTON PROPERTY CLAIMS 8
FIGURE 4: PROSPECTEM SYSTEM CONFIGURATION 11
FIGURE 5: C-GEDI EUROCOPTER EC120B 13
FIGURE 6: EXAMPLE OF A MAGNETIC BASE STATION SETUP 16
FIGURE 7: TOTAL MAGNETIC INTENSITY WITH EQUAL AREA COLOR DISTRIBUTION AND TDEM ANOMALIES 23
FIGURE 8: TOTAL MAGNETIC INTENSITY WITH LINEAR COLOR DISTRIBUTION AND TDEM ANOMALIES 24
FIGURE 9: FIRST VERTICAL DERIVATIVE OF TMI AND TDEM ANOMALIES 25
FIGURE 10: MAGNETIC TILT ANGLE DERIVATIVE AND TDEM ANOMALIES 26
FIGURE 11: DIGITAL ELEVATION MODEL AND TDEM ANOMALIES 27
FIGURE 12: EXAMPLE OF EM RESPONSE OVER THIN CONDUCTORS 28
FIGURE 13: EARLY OFF-TIME TDEM RESPONSE AND ANOMALIES 31

TABLES

TABLE 1: SURVEY BLOCK PARTICULARS 6
TABLE 2: TECHNICAL SPECIFICATIONS OF THE PROSPECTEM TIME-DOMAIN SYSTEM 10
TABLE 3: TECHNICAL SPECIFICATIONS OF THE EC120B EUROCOPTER HELICOPTER 13
TABLE 4: SETTING USED IN THE WINDOWING OF THE FULL WAVEFORM 20
TABLE 5: MAG-TDEM LINE DATA CHANNELS 33
TABLE 6: MAPS DELIVERED 33
TABLE 7: GRIDS DELIVERED 34

I. INTRODUCTION

Prospectair conducted a heliborne magnetic (MAG) and time-domain electromagnetic (TDEM) survey for the mineral exploration company Heritage Mining Ltd. on its Black Lake Drayton Property, located in the Sioux Lookout area, Patricia Mining Division, Province of Ontario (Figure 1). The survey was flown from April 17 to 26, 2022.

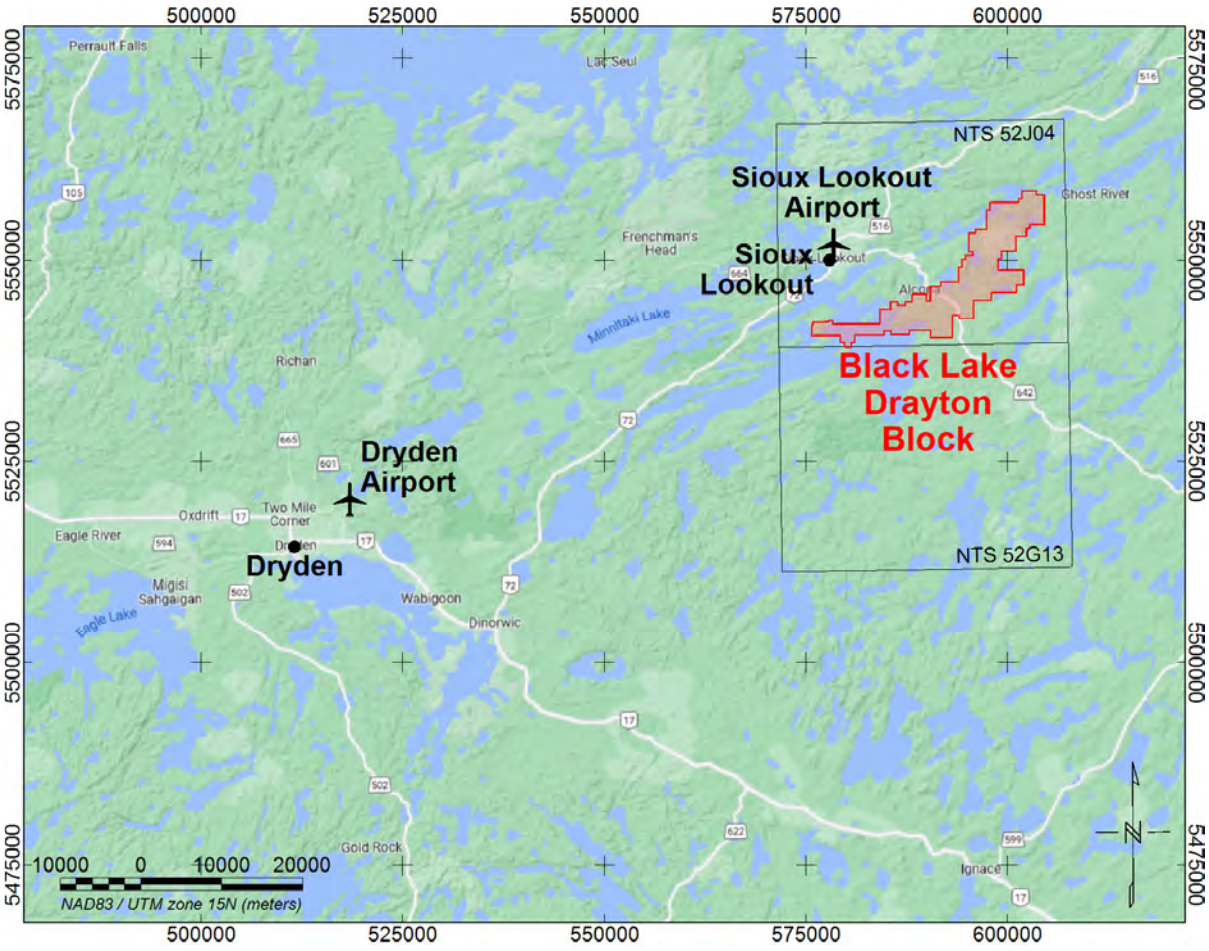
Figure 1: **General survey location**

One survey block was flown for a total of 1,574 l-km (Table 1). A total of 12 production flights were performed using Prospectair's Eurocopter EC120B, registration C-GEDI. The helicopter and survey crew operated out of the Sioux Lookout Airport located less than 10 km to the north and west of the block (Figure 2).

Table 1: **Survey block particulars**

Block	NTS Mapsheets	Line-km flown	Flight numbers	Dates Flown
Black Lake Drayton	052G13, 052J04	1,574 l-km	Flt 1 to 12	April 17 to 26

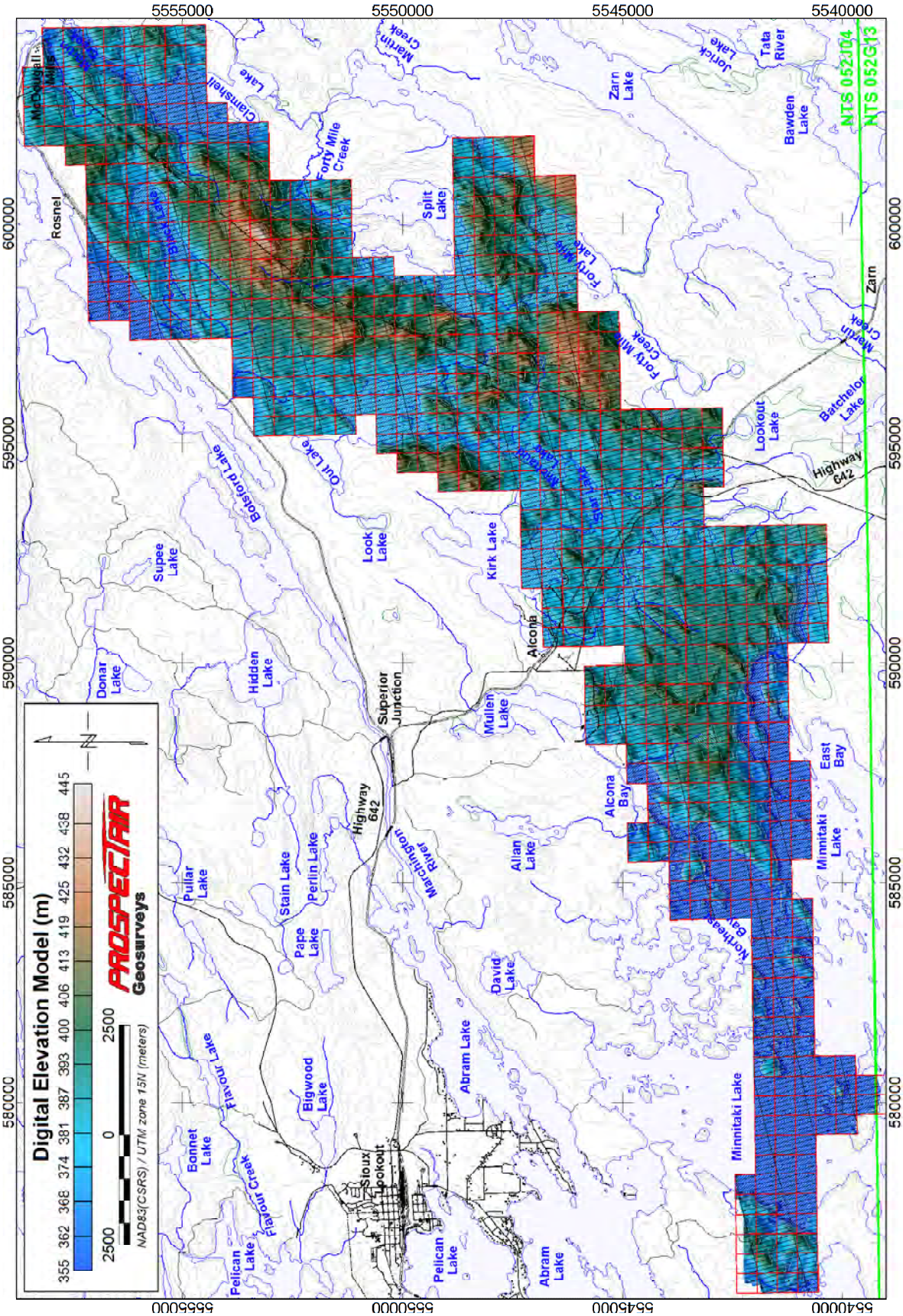
Figure 2: **Survey location and base of operation**



The Black Lake Drayton block was flown with traverse lines at 100 m spacing and control lines spaced every 1000 m. The survey lines were oriented N166. The control lines were oriented perpendicular to traverse lines. The nominal flying height aimed by the pilot was 85 m, but the active topography, tall trees and human infrastructures found within the block resulted in the average helicopter height above ground of 91 m, with the mag sensor and receiver coil at 66 m, and the transmitter loop at 41 m above the ground. The average survey flying speed (calculated equivalent ground speed) was 29.2 m/s. The survey area is covered by forest, lakes and some wetlands. The topography is gently undulating, with a few hills. The elevation is ranging from 355 to 445 m above mean sea level (MSL). The survey block's west end lies approximately 10 km to the south of Sioux Lookout. From the ground, the block can be easily accessed via secondary forestry roads connecting to Highway 642, which crosses the block in its center and links the town of Sioux Lookout to the village of Silver Dollar, further to the southeast. A few infrastructures are found within the block, like Highway 642 and the railway parallel to it, as well as a few private properties and buildings near an area known as Alcona. Another railway crosses the northern end of the block near areas known as Rosnel and McDougall Mills. Finally, a high-tension powerline, which crosses the eastern half of the block in a general NNE-SSW fashion, has recently been put in service.

The survey block holds its name from the Black Lake located in the northern part of the Property, and from the Drayton Township, located to the south of Sioux Lookout and covering most of the Property to the southwest. Other significant lakes overlapping with the block are the large Minnitaki Lake, covering the western part of the block, and the Clamshell and Split lakes in its northeastern part. Coordinates outlining the survey block are given in Appendix A, with respect to NAD-83 datum, UTM projection zone 15N. The location of the Black Lake Drayton Property claims (in red) and of the survey lines is shown on Figure 3. The Property claims numbers, as well as the approximate amount of line-km flown over each claim, are also listed in Appendix B.

Figure 3: **Survey lines and Black Lake Drayton Property claims**



II. SURVEY EQUIPMENT

Prospectair provided the following instrumentation for this survey.

Airborne Magnetometers

Geometrics G-822A

Both the ground and heliborne systems used a non-oriented (strap-down) optically-pumped Cesium split-beam sensor. These magnetometers have a sensitivity of 0.005 nT and a range of 15,000 to 100,000 nT with a sensor noise of less than 0.02 nT. The heliborne sensor was mounted in a bird made of non-magnetic material located 25 m below the helicopter when flying. Total magnetic field measurements were recorded at 10 Hz in the aircraft. The ground system was recording magnetic data at 1 sample every second.

Time-Domain Electromagnetic Transmitter and Receiver

ProspecTEM

Prospectair Geosurveys significantly modified and improved the *Emosquito II* that was built by THEM Geophysics of Gatineau (Québec) to develop ProspecTEM. It is a powerful light-weight system adapted for small size helicopters and easy manoeuvrability enabling the system to be flown as close to the ground as safely possible and ensuring maximum data resolution. Advanced signal processing technique and a full processing package was developed in house to optimize the ProspecTEM data. The technical specifications are listed below in Table 2.

ProspecTEM system employs a transient or time-domain electromagnetic transmitter that drives an alternating current through an insulated electrical coil system. The towing bridle is constructed from a Kevlar rope and multi-paired shielded cables. It is attached to the helicopter by a weak link assembly. An onboard harness with outboard connectors mounted on a plate allows for quick disconnection or connection of the exterior elements. The system uses a 4 KW generator and a large condenser to transmit alternating 2.75-ms half sine pulses with intervening off-times of 13.916 ms electric pulse, 60 pulses per second.

The current in the coil produces an electromagnetic field. Termination of the current flow is not instantaneous, but occurs over a very brief period of time (a few microseconds) known as the ramp time, during which the magnetic field is time-variant. The time-variant nature of the primary electromagnetic field, which propagates downward and outward into the subsurface, induces eddy currents which characteristics are governed by rocks conductivity distribution. These eddy currents generate a secondary electromagnetic field, in accordance with Faraday's Law. This secondary field immediately begins to decay in the process. Measurements of the secondary field are made only during the time-off period by a vertical component receiver located almost half way between the helicopter and the transmitter loop. It is placed with the magnetometer taped to a horizontal boom which supports the receiving coils tear-drop shape vessel at its end. The boom has an elastic suspension. A proprietary suspension system protects the orthogonal coils assembly and

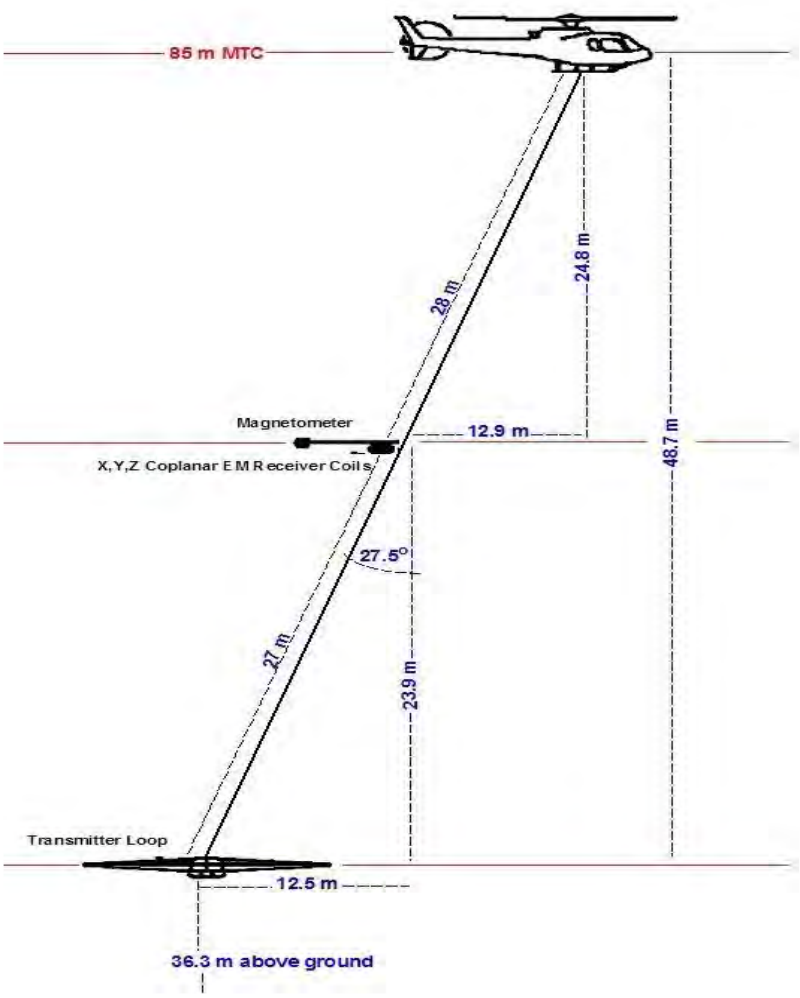
limits the total field excursions. The tear-drop vessel acts as a vane and maintains the mast in the line of flight.

Depth of investigation depends on the time interval after shutoff of the current, since at later times the receiver is sensing eddy currents at progressively greater depths. The intensity of the eddy currents at specific times and depths is determined by the bulk conductivity of subsurface rock units and their contained fluids.

Table 2: **Technical specifications of the ProspecTEM Time-Domain system**

Item	Specification
Transmitter:	
Loop Diameter:	5.6 meters
Current Waveform:	Half-Sine
Turns:	2
Pulse Length	2.75 ms
Frequency	30 Hz
Loop Area	25 m²
Peak Current	3000A
Tow Cable Length	65 meters
Self-Powered	13HP Honda coupled with 28 Volts Alternator
Receiver:	
Coils axis	Z
Configuration	Coaxial (Z)
Two channels	Current and Z
Max Sampling rate	1000 points per half cycle at 90 Hz
Survey sampling rate	1000 per half cycle at 30Hz
Sampling	Full waveform
Gates	Programmable
On time signal	Recorded
Mechanical:	
Maximum survey speed:	120 km per hour
Transmitter height	30 meters AGL
Receiver height	55 meters
Weight (Total)	200 kg

Figure 4: **ProspecTEM system configuration**



Real-Time Differential GPS

Omnistar DGPS

Prospectair uses an OmniStar differential GPS navigation system to provide real-time guidance for the pilot and to position data to an absolute accuracy of better than 5 m. The *Omnistar* receiver provides real-time differential GPS for the Agis on-board navigation system. The differential correction data set was relayed to the helicopter via the appropriate Omnistar network satellite for the survey location. The receiver optimizes the corrections for the current location.

Airborne Navigation and Data Acquisition System

Pico-Envirotec AGIS-XP system

The Airborne Geophysical Information System (AGIS-XP) is advanced, software driven instrument specifically designed for mobile aerial or ground geophysical survey work. The AGIS instrumentation package includes a GPS based navigation system, real-time flight path information that is displayed over a map image of the area, and reliable data acquisition software. Thanks to simple interfacing, the radar and barometric altimeters, the TDEM system and the Geometrics magnetometer are easily integrated into the system and digitally recorded. Automatic synchronization to the GPS position and time provides very close correlation between data and geographical position. The AGIS is equipped with a software suite allowing easy maintenance, upgrades, data QC, and project and survey area layout planning.

Magnetic Base Station

GEM GSM-19

A GEM GSM-19 Overhauser magnetometer, a computer workstation and a complement of spare parts and test equipment serve as the base station. Prospectair establish the base station in a secure location with low magnetic noise. The GSM-19 magnetometer has resolution of 0.01 nT, and 0.2 nT accuracy over its operating range of 20,000- to 100,000 nT. The ground system was recording magnetic data at 1 Hz.

Altimeters

Free Flight Radar Altimeter

The Free Flight radar altimeter measures height above ground to a resolution of 0.5 m and an accuracy of 5% over a range up to 2,500 ft. The radar altimeter data is recorded and sampled at 10 Hz.

Prospectair Digital Barometric Pressure Sensor

The barometric pressure sensor measures static pressure to an accuracy of ± 4 m and resolution of 2 m over a range up to 30,000 ft above sea level. The barometric altimeter data are sampled at 10 Hz.

Survey helicopter

Eurocopter EC120B (registration C-GEDI)

The survey was flown using Prospectair's EC120B helicopter that handles efficiently the equipment load and the required survey range. Table 3 presents the EC120B technical specifications and capacity, and the aircraft is shown in Figure 5.

Table 3: **Technical specifications of the EC120B Eurocopter helicopter**

Item	Specification
Powerplant	One 376kW (504hp) Turbomeca Arrius 2F
Rate of climb	1,150 ft/min
Cruise speed	223 km/h – 120 kts
Service ceiling	17,000 ft
Range with no reserve	710 km
Empty weight	991 kg
Maximum takeoff weight	1,715 kg

Figure 5: **C-GEDI Eurocopter EC120B**

III. SURVEY SPECIFICATIONS

Data Recording

The following parameters were recorded during the course of the survey:

In the helicopter:

- GPS positional data: time, latitude, longitude, altitude, heading and accuracy (PDOP) recorded at intervals of 0.1 s.
- Total magnetic field: recorded at intervals of 0.1 s.
- Terrain clearance as measured by the radar altimeter at intervals of 0.1 s.
- Z and Current TDEM channels at 90000Hz.

At the base and remote magnetic ground stations:

- Total magnetic field: recorded at intervals of 1 s.
- GPS time recorded every 1 s to synchronize with airborne data.

Technical Specifications

The data quality control was performed on a daily basis. The following technical specifications were adhered to:

- *Height* – 85m target terrain clearance for the MAG-TDEM survey except in areas where Transport Canada regulations prevent flying at this height, or as deemed necessary by the pilot to ensure safety. Traverse lines and control lines must be flown at the same altitude at points of intersection; the altitude tolerances are limited to no more than 30 m difference between traverse lines and control lines.
- *Airborne Magnetometer Data* - The noise envelope not to be exceeded 0.5 nT more than 500 m line-length without a reflight.
- *Diurnal Specifications* – A maximum tolerance of 5.0 nT (peak to peak) deviation from a long chord of one minute at the base station.
- *EM data* – No spikes on Z channel and constant current confirmed.
- *Flying Speed* – The average ground speed for the survey aircraft shall be 120 kph. The acceptable high limit is 160 kph over flat topography.
- *Radar Altimeter* – minimal accuracy of 5%, minimum range of 0-2500 m.
- *Barometer* – Absolute air pressure to 0.1 kPa.
- *Flight Path Following* – Maximum deviation of 30% of line spacing allowed over a maximum line distance of 300 m.

IV. SYSTEM TESTS

Magnetometer System Calibration

The survey configuration using a bird towed 25 m below any magnetic piece of the helicopter allows the simplification of the magnetic calibration requirement. Consequently, heading error and aircraft movement noise was considered negligible and no correction was applied to the data.

Instrumentation Lag

The data lag is a combination of two factors: 1) the time difference between when a reading is sensed, and when that value is recorded by the acquisition system, and 2) the time taken for the sensor to arrive at the location of the GPS antenna. The second factor is defined by the physical distance between the GPS antenna and any given sensor, and the speed of the aircraft. The average total magnetic lag value for the AGIS acquisition system has been calculated to 2.18 s for this survey. The TDEM lag has been calculated to 1.21 s.

V. FIELD OPERATIONS

The survey operations were conducted out of the Sioux Lookout Airport from April 9 to 16, 2022. The MAG-TDEM data acquisition required 12 flights. At the end of each production day, the data were sent to Dynamic Discovery Geoscience's office via internet. The data were then checked for Quality Control to ensure they fulfilled contractual specifications. The full dataset was inspected prior to provide authorization for the field crew to demobilize. The GEM-19 magnetic base station was set up in a magnetically quiet area close to the airport, at latitude 50.1205088°N, longitude 91.9004840°W. The survey pilot was Christophe Chiffre, and the survey system technician was Pascal St-Denis Mercier.

Figure 6: **Example of a magnetic base station setup**

VI. DIGITAL DATA COMPILATION

Data compilation including editing and filtering, quality control, and final data processing was performed by Joël Dubé, P.Eng. Processing was performed on high performance desktop computers optimized for quick daily QC and processing tasks. Geosoft software Oasis Montaj version 2021.2.1 and Matlab R2018a were used.

Magnetometer Data

The airborne magnetometer data, recorded at 10 Hz, were plotted and checked for spikes and noise on a flight basis. An average 2.18 second lag correction was applied to all data to correct for the time delay between detection and recording of the airborne data.

Ground magnetometer data were recorded at 1 sample per second and interpolated by a spline function to 10 Hz to match airborne data. Data were inspected for cultural interference and edited where necessary. Some low-pass filtering was deemed necessary on the ground station magnetometer data to remove minor high frequency noise. The diurnal variations were removed by subtracting the ground magnetometer data to the airborne data and by adding back the average of the ground magnetometer value.

The levelling corrections were applied in several steps. First of all, a correction for altitude was applied by multiplying the First Vertical Derivative of the pre-levelled data by the difference between the actual survey altitude and the average survey altitude. Standard levelling corrections were then performed using intersection statistics from traverse and tie lines. After statistical levelling was considered satisfactory, decorrugation was applied on the data to remove any remaining subtle non-geological features oriented in the direction of the traverse lines.

Once the Total Magnetic Intensity (TMI) was gridded, its First Vertical Derivative (FVD) and Second Vertical Derivative (SVD) were calculated to enhance narrower geological features. Finally, the component of the normal Earth's magnetic field, described by the International Geomagnetic Reference Field (IGRF), has been removed from the TMI to yield the residual TMI. This ensures that the very long wavelength signal within the block is indeed originating from the local geology and not from the Earth's expected regional gradient.

In order to enhance the subtle magnetic features some more, the Tilt Angle Derivative (TILT) was also computed for this project.

It has been shown that it is possible to use the Tilt Angle Derivative to estimate both the location and depth of magnetic sources (Salem et al., 2007).

When two body of different magnetic susceptibility are in contact, the vertical and horizontal gradients along a horizontal line perpendicular to the vertical contact are governed by the following equations:

$\delta M/\delta h=2KFc(z_c/(h^2+z_c^2))$
$\delta M/\delta z=2KFc(h/(h^2+z_c^2))$

where
K = susceptibility contrast
F = magnetic field's strength
$c = 1-\cos^2(\text{field Inclination})\sin^2(\text{field Declination})$
h = location along an horizontal axis perpendicular to the contact
z_c = contact depth
$\delta M/\delta h = \text{sqrt}((\delta M/\delta x)^2+(\delta M/\delta y)^2)$

The Tilt Angle (θ) is defined as
$\theta = \tan^{-1}[(\delta M/\delta z)/(\delta M/\delta h]$

By substitution of the gradients we get
$\theta = \tan^{-1}[h/z_c]$

This has two main implications for any given anomaly:

1- The 0° angle line is located directly above the contact between a magnetic source and the surrounding rock. This allows for accurate estimation of source location.
2- The distance between the 0° and the +45° lines as well as the distance between the -45° and the 0° lines are equal to the depth of the source at the contact. This allows for a direct estimation of the depth of the source of the anomaly. The depth estimated with this method is actually the distance between the magnetic sensor and the top of the source. Knowing that the sensor was 66 m above the ground in average enables direct depth estimates.

In practice, the signal originating from multiple sources at different depth within a same area will cause convolution of the Tilt Angle values, and complicate location and depth estimation. Nevertheless, the method remains an excellent tool for rapid assessment of sources characteristics, without the need for complex assumptions to be made or heavy computer requirements, as is the case with 3D Euler deconvolution or 3D data inversions.

Radar Altimeter Data

The terrain clearance measured by the radar altimeter in metres was recorded at 10 Hz. The data were filtered to remove high frequency noise using a 1 sec low pass filter. The final data were plotted and inspected for quality.

Positional Data

Real time DGPS correction provided by Omnistar was applied to the recorded GPS positional data.

Positional data (Lat, long, UTM X, UTM Y, geoid height) were recorded at 10 Hz sampling rate and all data processing was performed in the WGS-84 datum. The delivered data are provided in X, Y locations in UTM projection zone 15 North, with respect to the NAD-83 (CSRS) datum. Altitude data were initially recorded relative to the GRS-80 ellipsoid, but are delivered as orthometric heights (MSL elevation).

Terrain Data

Terrain elevation data (also referred to as digital elevation model, or DEM) are computed from the altitude of the helicopter, given by DGPS recordings, and the radar altimeter data.

TDEM Data

The PicoEnvirotec EM Digital Acquisition System records the vertical component (Z) of the receiver coils at a sampling rate of 90000Hz. There are 30 full cycles (60 half cycles) of the full waveform (Tx ON and OFF time) every second.

The first data manipulation involves a stacking procedure where each half cycle is weighted with respect to the previous cycle (±¼), the next cycle (±¼) and its own value (± ½). The positive and negative signs of the respective multiplication coefficients are used to make positive all negative half cycles. The next step is the half cycle averaging corresponding to the desired sampling rate. In the present case, from the 60 stacked positive half cycles per second, 6 consecutive half cycles are averaged to produce one sample every 0.1 sec.

The windowing settings for the 40 different channels are presented in Table 4. Channels 1 to 11 correspond to the ON-time measurements and channels 12 to 40 correspond to the OFF-time. Channel 12 isn't used for interpretation and mapping as some 'ramp-off' effects remain that alters the data quality. Each window is filtered with a median filter removing spikes and with a finite impulse response (FIR) selective filter of the 251th order improving the signal to noise ratio. An average lag correction of 1.21 sec was applied to the data after being empirically determined by flying a sharp anomaly in two opposite direction.

Table 4: **Setting used in the windowing of the full waveform**

Channel #	Starting time (msec)	Width (msec)	Pulse	Channel #	Starting time (msec)	Width (msec)	Pulse
1	0.16667	0.01667	**ON**	**21**	3.15000	0.53333	**OFF**
2	0.25000	0.01667	**ON**	**22**	3.26667	0.53333	**OFF**
3	0.33333	0.01667	**ON**	**23**	3.40000	0.53333	**OFF**
4	1.30000	0.01667	**ON**	**24**	3.40000	1.10000	**OFF**
5	1.31667	0.01667	**ON**	**25**	3.45000	1.10000	**OFF**
6	1.33333	0.01667	**ON**	**26**	3.65000	1.10000	**OFF**
7	2.58333	0.01667	**ON**	**27**	3.88333	1.10000	**OFF**
8	2.66667	0.01667	**ON**	**28**	4.13333	1.10000	**OFF**
9	2.80000	0.08333	**ON**	**29**	4.43333	1.10000	**OFF**
10	2.81667	0.08333	**ON**	**30**	4.76667	1.10000	**OFF**
11	2.83333	0.08333	**ON**	**31**	5.16667	1.10000	**OFF**
12	2.85000	0.16667	**RAMP**	**32**	5.20000	2.20000	**OFF**
13	2.86667	0.18333	**OFF**	**33**	5.55000	2.20000	**OFF**
14	2.86667	0.25000	**OFF**	**34**	6.13333	2.20000	**OFF**
15	2.86667	0.36667	**OFF**	**35**	6.78333	2.20000	**OFF**
16	2.91667	0.36667	**OFF**	**36**	7.51667	2.20000	**OFF**
17	2.91667	0.53333	**OFF**	**37**	8.36667	2.20000	**OFF**
18	2.95000	0.53333	**OFF**	**38**	9.33333	2.20000	**OFF**
19	3.00000	0.53333	**OFF**	**39**	10.4500	2.20000	**OFF**
20	3.03333	0.53333	**OFF**	**40**	11.7000	2.20000	**OFF**

As for the magnetic data, levelling corrections were applied to the TDEM data using intersection statistics from traverse and tie lines, as well as light decorrugation based on gridded information, in order to remove base line offsets. The levelled TDEM data are delivered in the database.

Gridding

The magnetic, early off-time TDEM (channel 13), mid off-time TDEM (channel 20), and late off-time TDEM (channel 27) data were interpolated onto a regular grid using a bi-directional gridding algorithm to create a two-dimensional grid equally incremented in x and y directions.

The final grids were created with 20 m grid cell size, appropriate for the survey lines spaced at 100 m. Traverse lines were used in the gridding process.

VII. RESULTS AND DISCUSSION

Magnetic data

The Residual Total Magnetic Intensity (TMI) of the Black Lake Drayton block, presented in Figure 7 together with TDEM anomalies, is relatively active and varies over a range of 2,683 nT, with an average of -85 nT and a standard deviation of 175 nT.

Most of the surveyed area is affected by linear magnetic features characteristic of alternating sequences of mafic volcanic rocks with sedimentary or intermediate to felsic volcanic rocks, with possibly some small size intrusive stocks or dykes locally. In a general sense, areas with lower background values and decreased signal variability are likely to be dominated by sedimentary or felsic intrusive/volcanic rocks. One distinctive area with an elliptic shape depicting depressed and very settled magnetic values is approximately centered over Split Lake, being truncated on its east side. This signature is typical of larger size felsic to intermediate intrusions. Note that a small size pseudo-circular feature with strong magnetic low values is located at the contact zone to the northeast of this large intrusion, to the northeast of Split Lake, close to its north end. This interesting feature is therefore strongly magnetic, and the strong negative values are indicating that remanent magnetization is at play. Stronger magnetic anomalies found in the rest of the block are likely related to iron formations or to mafic/ultramafic intrusive/volcanic rocks. Stronger magnetic anomalies, either on the positive or negative side, are best seen on Figure 8 which shows the residual TMI data with a linear color distribution.

Magnetic lineaments are depicting very complex patterns in the area and are virtually trending in all directions, with perhaps a dominant family of lineaments generally oriented NE-SW. The vast majority of lineaments are curved, even heavily locally, either by folding or at the contact zone with the postulated intrusion, attesting that the area underwent strong deformation events in the past, and that shearing may have affected some of these lineaments. Pressure shadow areas at the contact zone with the wide intrusion may also have developed. These kinds of features could be of interest for exploration. In general terms, magnetic lineaments are related to rock formations that are enriched in magnetic minerals (magnetite and/or pyrrhotite).

Throughout the block, it is possible to detect structural features offsetting observed magnetic lineaments and causing abrupt interruption or changes of the magnetic response. These features are typically caused by faults, fractures and shear zones. If they are thought to be favorable structures in the exploration context of the Black Lake Drayton project, they should be paid particular attention and should be the object of a comprehensive structural interpretation, which is beyond the scope of this report.

Shorter wavelength anomalies are greatly enhanced on the FVD (Figure 9) and on the TILT (Figure 10) products. Since the FVD attenuates longer wavelength anomalies, and the TILT enhances very weak amplitude anomalies, they are the preferred products for structural interpretation. As well, a joint analysis of these results with the topography data (Figure 11) can help in the interpretation process of geological structures.

Regarding cultural interference, human infrastructures related to the main roads, and their associated bridges and power lines, to the railway, and to all the buildings found in the vicinity of the Alcona area between Alcona Bay and Kirk Lake, are known to be possible sources of non-geological noise in the magnetic data. Same goes for the railway located at the north end of the block and even more so for the major high-tension powerline located in the eastern half of the block. As a consequence, high frequency anomalies located near such infrastructures are likely to originate from cultural sources and should be treated with caution when planning ground investigations of magnetic anomalies.

In addition, when the helicopter had to steeply climb up above these infrastructures for obvious safety reasons, the magnetic response can appear somewhat blurred, with anomalies being attenuated in amplitude and increased in wavelength because of the greater sensor distance from the ground. This can also result in local stripes parallel to survey lines in the data. This effect is really local and quickly fades out on either sides of the overflown obstacle, but must be nevertheless considered when following-up on the results

Figure 7: **Total magnetic intensity with equal area color distribution and TDEM anomalies**

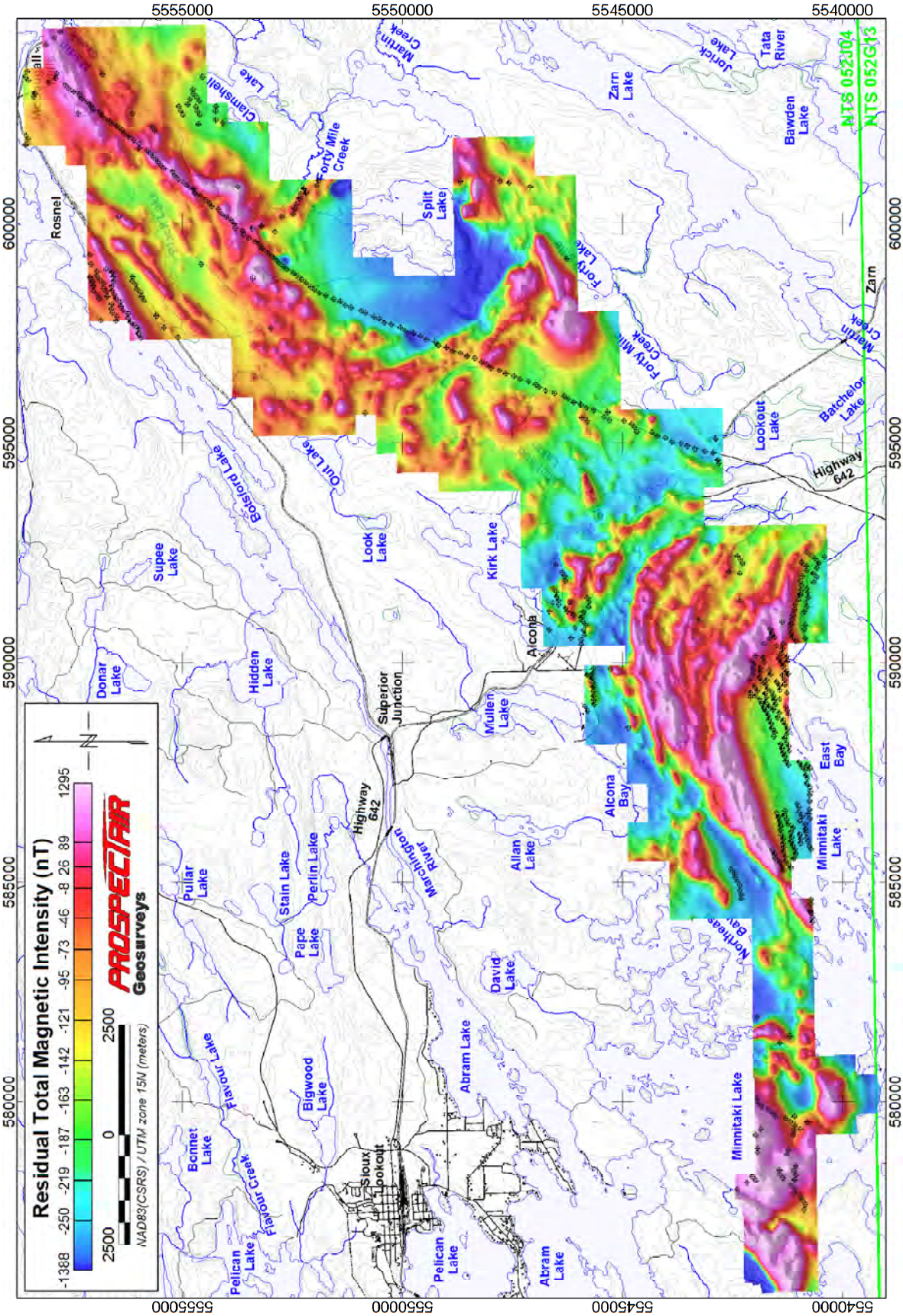


Figure 8: **Total magnetic intensity with linear color distribution and TDEM anomalies**

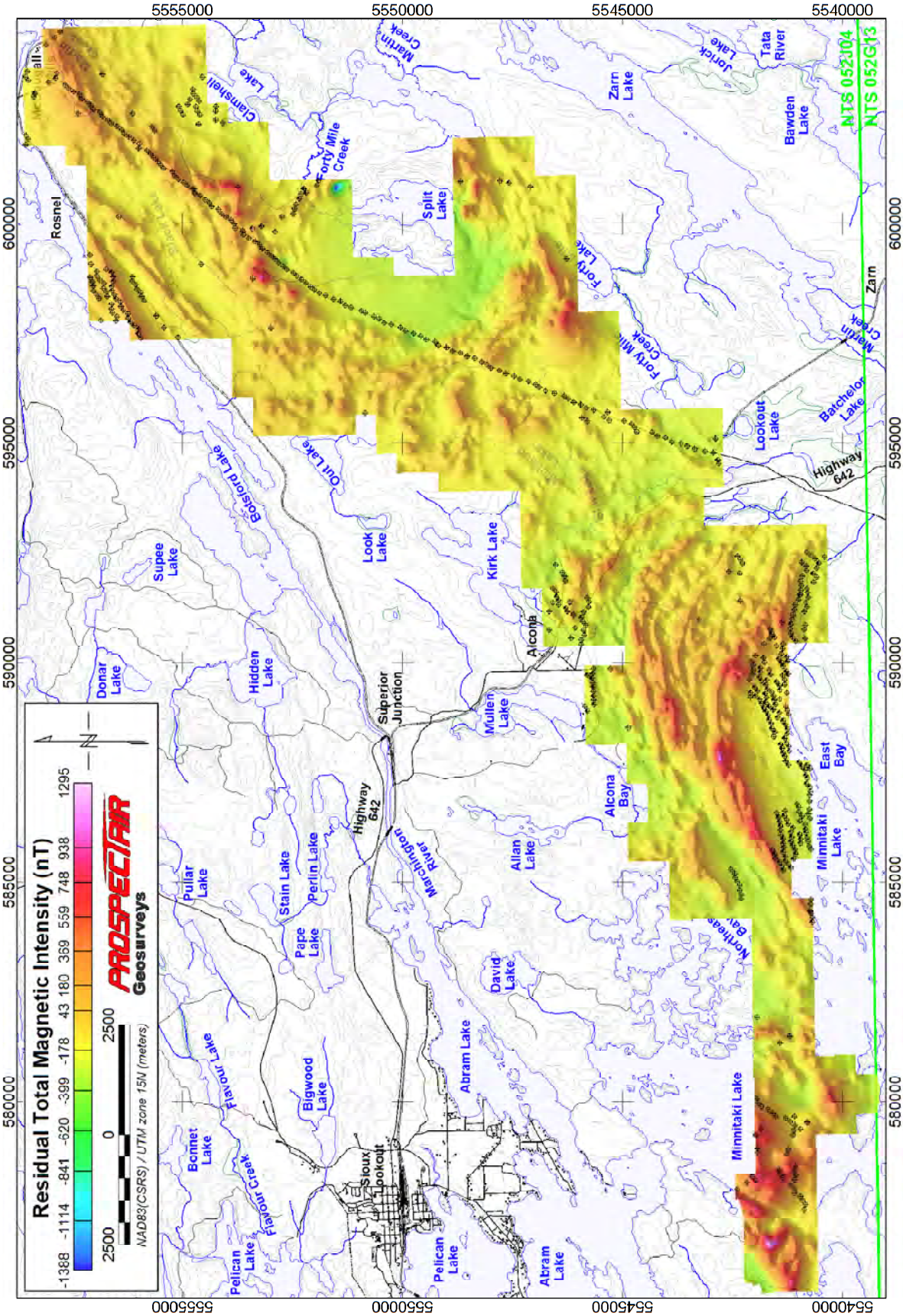


Figure 9: **First vertical derivative of TMI and TDEM anomalies**

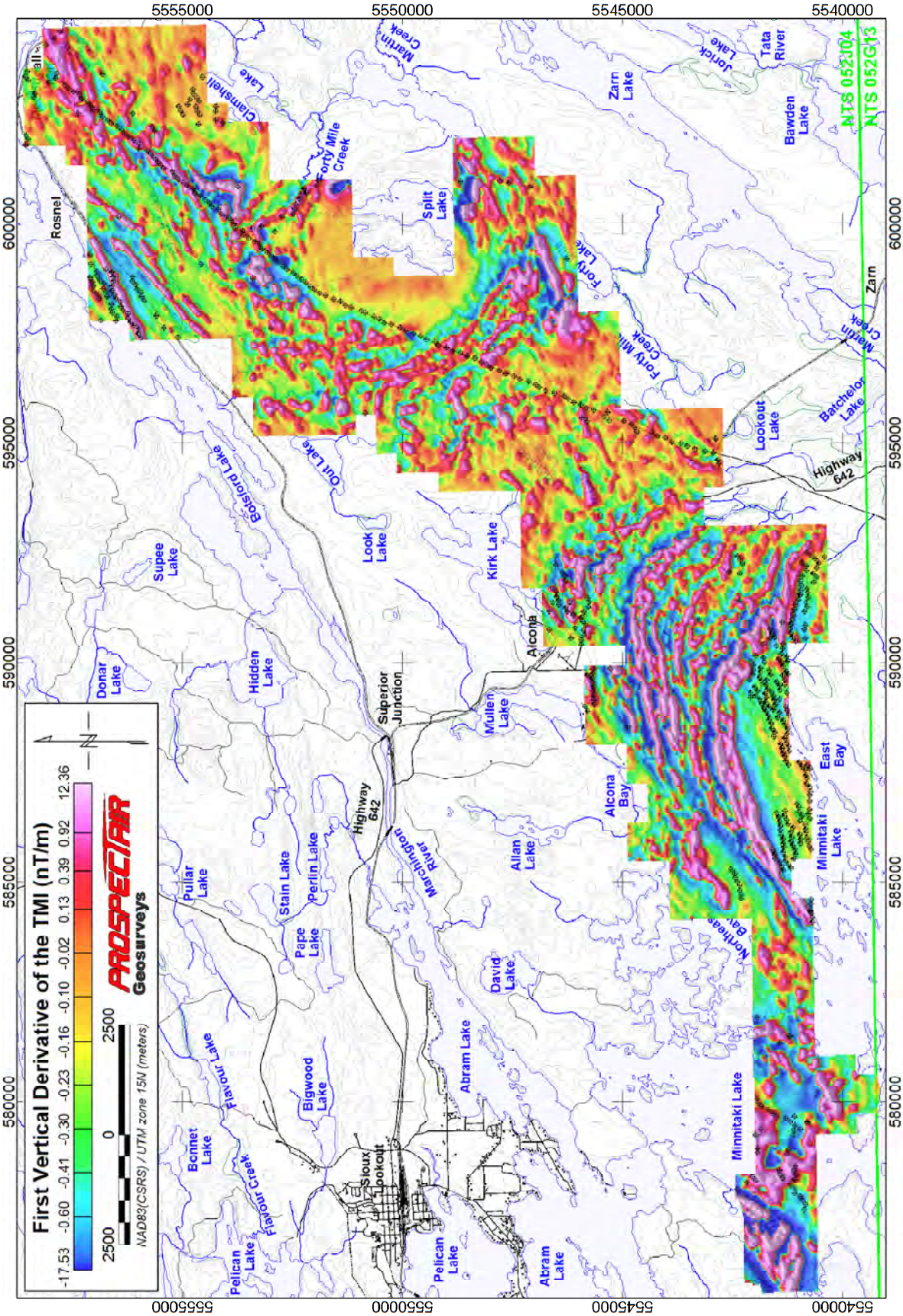


Figure 10: **Magnetic tilt angle derivative and TDEM anomalies**

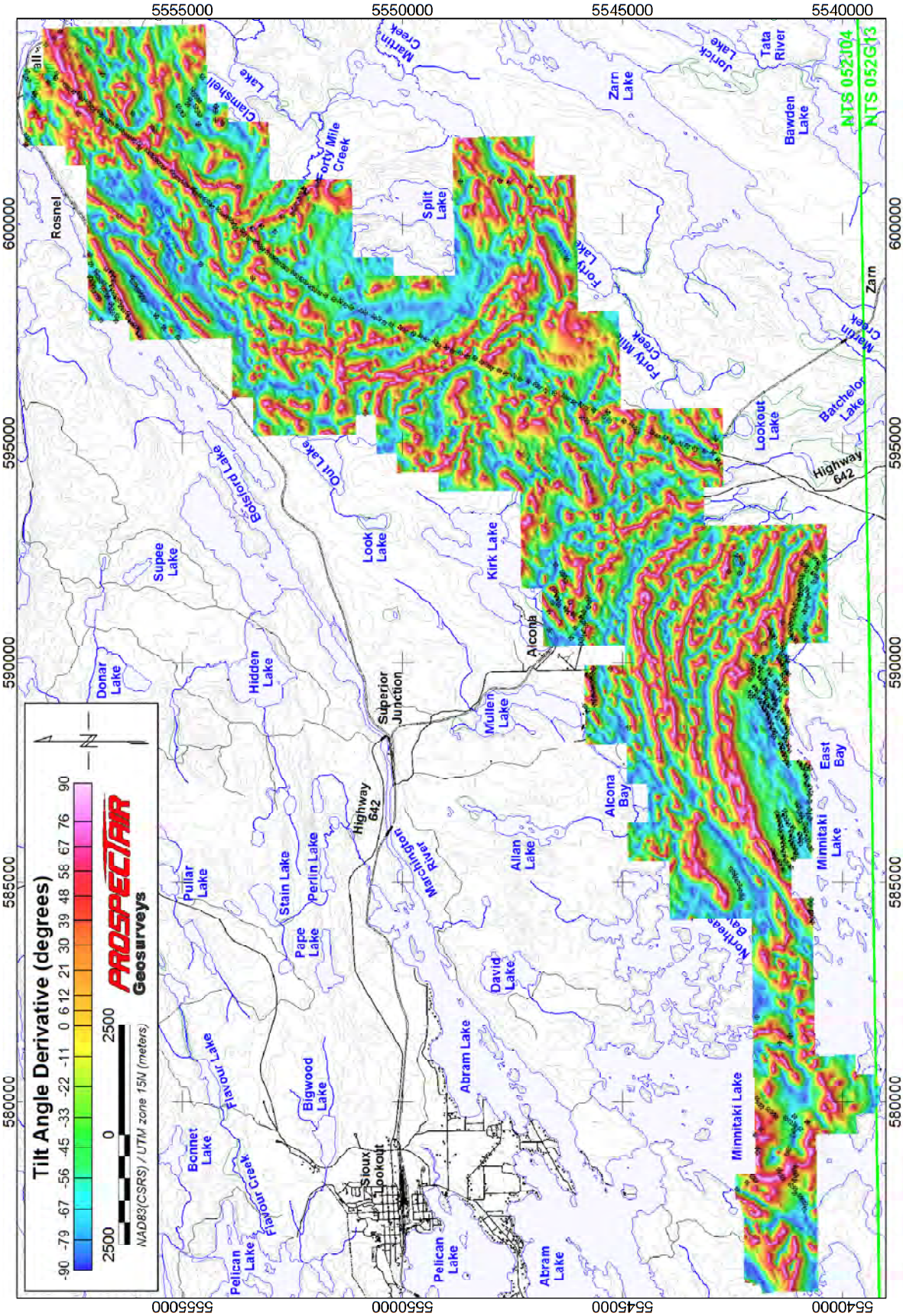
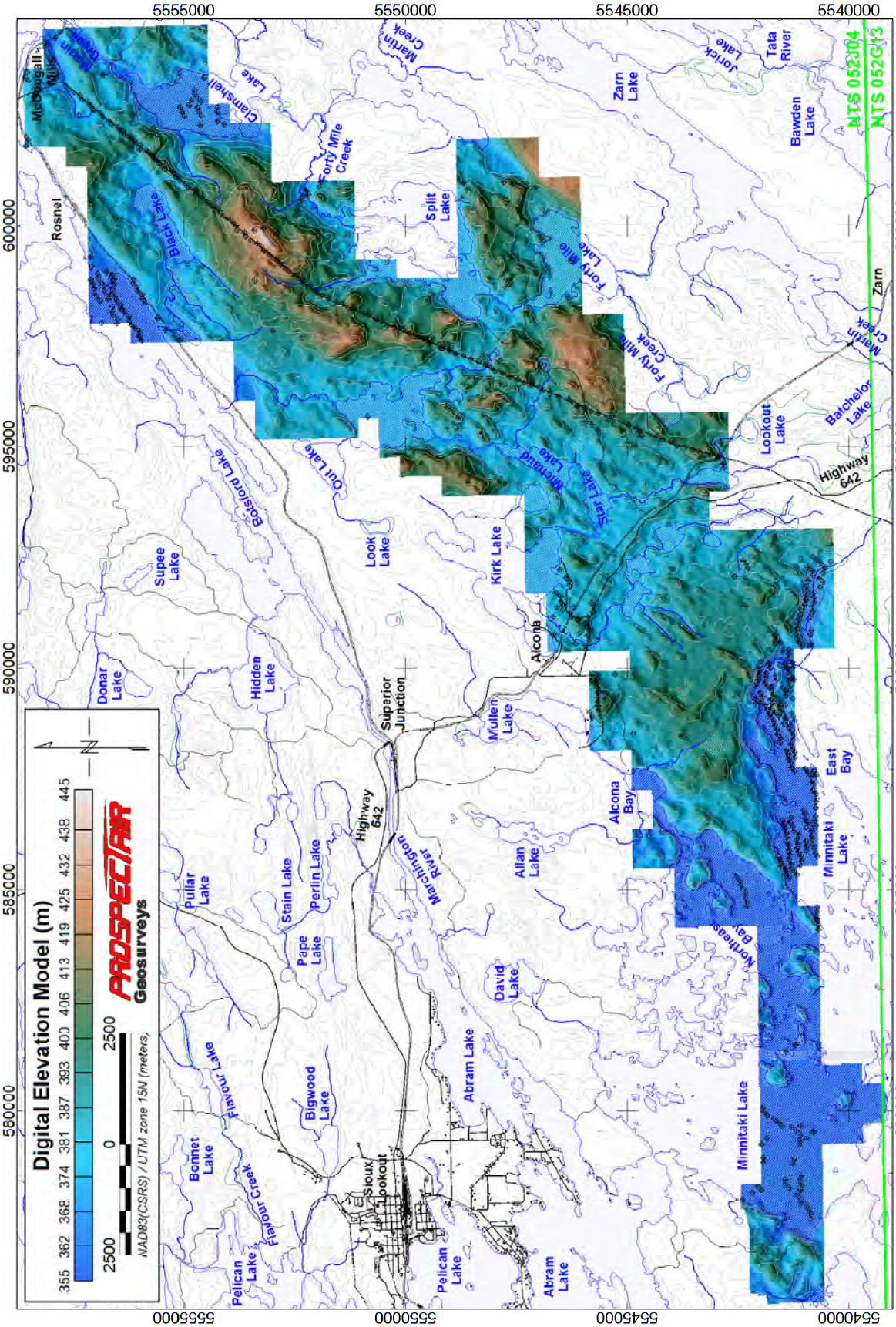


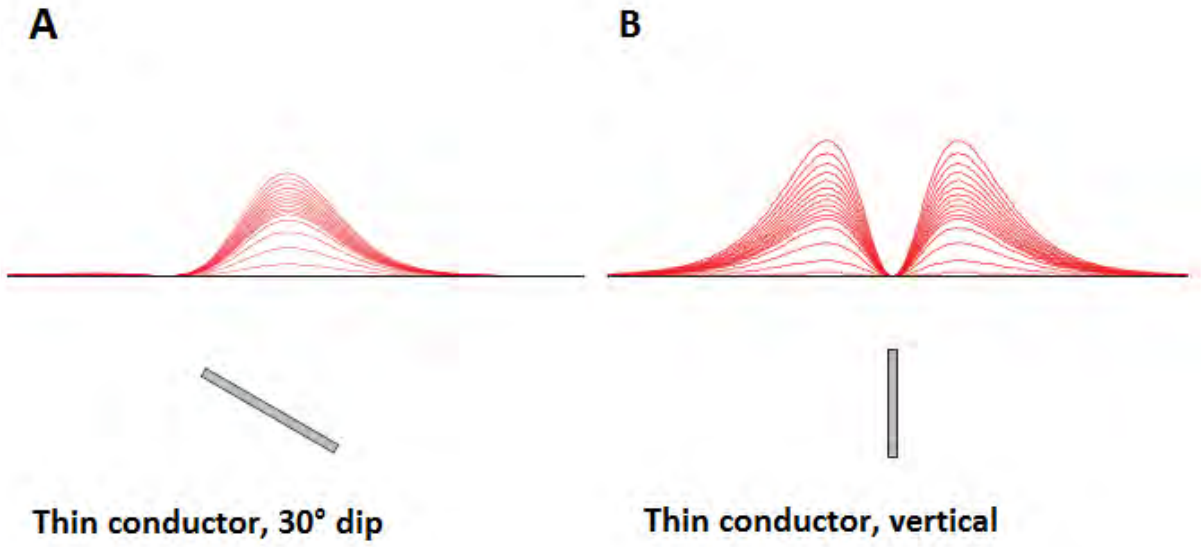
Figure 11: **Digital elevation model and TDEM anomalies**



Time-Domain Electromagnetic data

There is no automatic picking program involved in the interpretation procedures of the ProspecTEM system. Identification of the EM anomalies is made from the EM profiles. Most of the time, the location of anomalies is based on the assumption that the causative source is a somewhat thick or flat lying conductor, which would generate an anomaly mostly centered over the conductor (Figure 12, A). It is important to understand that some other conductive bodies could generate a strong EM response that is offset from the mass centre of the source. For instance, a thin conductor with a steep dip would generate an "M" shape anomaly (Figure 12, B), with the stronger shoulder on the dip side. Therefore, caution must be taken when planning work at the location of an anomaly. It is recommended to combine other available geoscientific information and to review the EM anomaly location before to investigate an anomaly of interest.

Figure 12: **Example of EM response over thin conductors**



The classification of anomalies is based on the calculated time constant (TAU). The EM time constant is a general measure of the speed of decay of the electromagnetic response and reflects the "conductance quality" of a source. The decay rate of the secondary EM field recorded by the TDEM system is a function of the conductivity and geometry of conductors detected. A weak conductor, such as shallow conductive overburden, will show rapid response decay, thus a small value of the time constant. Conversely, a good conductor, such as a graphite or sulphide orebody, will have a response decaying slowly, relating to a large TAU value. The TAU is calculated using proprietary software and is derived from the best exponential least squares fit for channels Z13 to Z27. Calculating TAU for low amplitude anomalies that have their first off-time channel (channel 13) amplitude smaller than 75 nT/s can yield unreliable results given the weak response. As well, in some rare cases, despite stronger response of the first off-time channel, noise in the mid to late channels can cause the TAU estimation to be unreliable. No best fit were tried on these noisy or low signal anomalies and an arbitrary minimal time constant of 0.10 msec was attributed. Moreover, the resulting exponential best fit of the decay curve is extrapolated to the zero delay time, which can be used to compare the amplitude of anomalies.

On the Black Lake Drayton block, 521 EM anomalies are identified, classified and listed (Appendix C). All marginal/weak anomalies with TAU lower than 0.25 msec are included in a group represented by an empty circle on the anomaly map. In total, 388 anomalies are reported in this class. The remaining anomalies are classified in 4 other groups, with time-constant considered small (0.25 to 0.50 msec, 117 anomalies), intermediate (0.50 to 0.75 msec, 16 anomalies), strong (0.75 to 1.00 msec, 0 anomalies) and very strong (over 1.00 msec, 0 anomalies). These anomalies are reported on all the figures of this section, and the symbols used are similar to the legend on the maps. The early off-time map (Figure 13) provides a good overview of the TDEM response amplitude distribution.

Three main types of anomalies can be identified on the basis of their location and the characteristics of their EM response.

The first type consists in EM anomalies that are dispersed near human infrastructures such as along Highway 642 and all the main roads with buildings near the Alcona area. These culturally related EM anomalies can be caused by tin roofs over larger buildings, but most of the time by local power lines. Other structures, such as the railway at the north end of the block and the major high-tension powerline in its eastern half, can also cause local disturbances in the EM data. Some contribution to these EM anomalies could actually partly come from conductive geological sources, but most really appear as cultural interference.

The second type is characterized by EM responses of limited amplitude over wide areas, with very low TAU values, which is typical of poorly conductive overburden or bottom lake sediments. These marginally conductive areas are concentrated at the west end of Minnitaki Lake, in its Northeast Bay and possibly also in some areas at its east end. Another conductive zone of this type is located within Clamshell Lake. A few isolated and marginal conductors may also relate to conductive overburden when found in topographic depression or along water streams and wetlands. Note that conductive overburden tends to attenuate the response from bedrock conductors possibly located underneath it. There is therefore a possibility for some of the identified anomalies to represent the combined response of poorly conductive overburden and of weakly conductive bedrock conductors made of limited concentrations of sulphides, and this likelihood is considered stronger in cases where a correlation is found between magnetic anomalies and interpreted EM anomalies, since the magnetic signal is almost exclusively controlled by the bedrock geology.

Finally, the third type of EM anomalies is typical of graphite and sulphide conductors. They are most often narrow, of variable amplitude, and usually with larger TAU values compared to anomalies of the second type, which is denoting good quality conductors. The orientation of the conductive lineaments of this group is generally aligned with magnetic trends, which suggests that the conductive sources are indeed embedded in the bedrock. Many of these conductive lineaments actually show a positive correlation to magnetic lineaments (Figures 7 to 10), which indicates that sulphides (including pyrrhotite) are likely

to compose at least part of the conductive sources. Anomalies of this type are seen in several areas of the survey block:

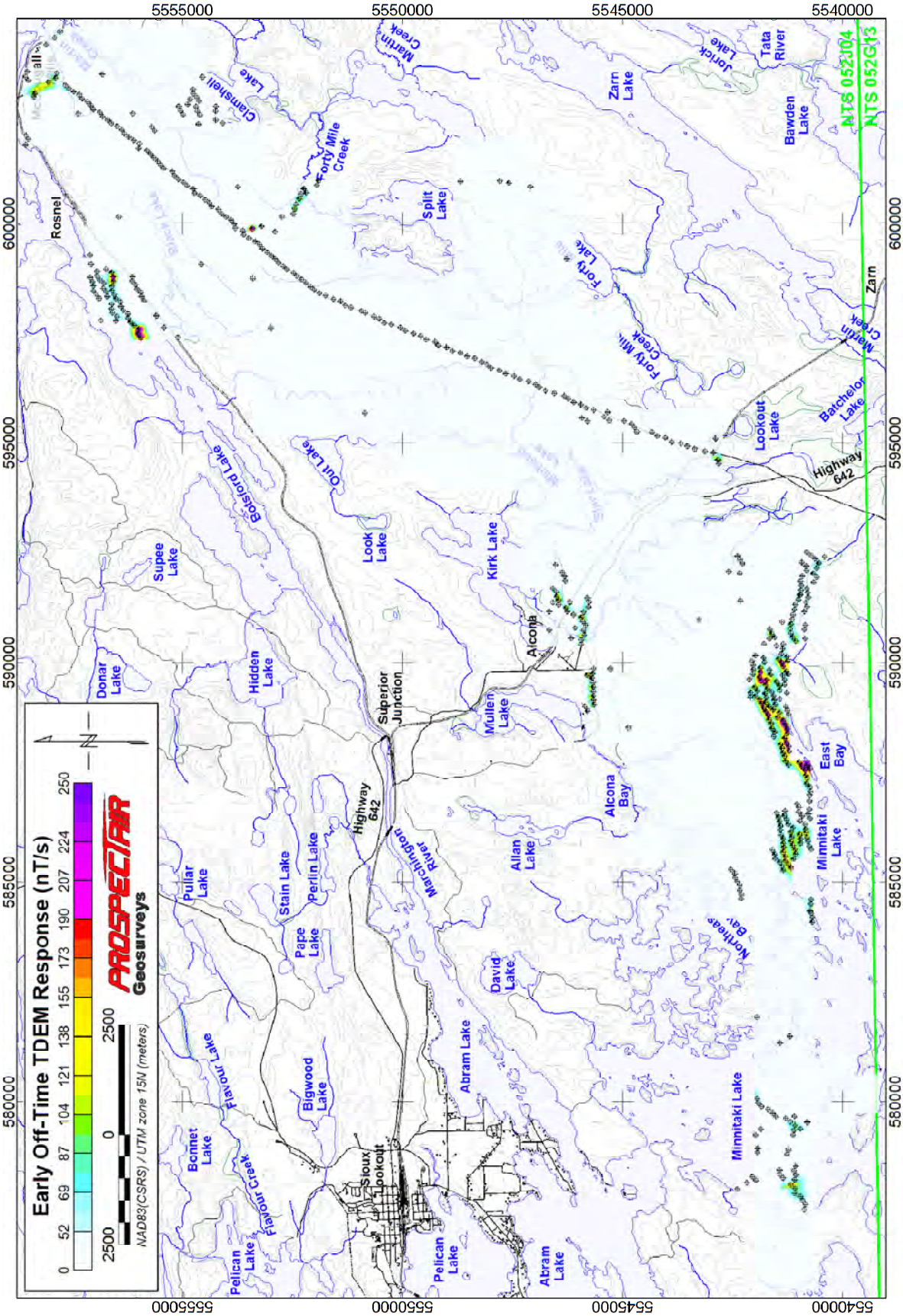
1- Within a wide area including the eastern part of the Mannitaki Lake, some of its cost line, and even further on-shore to the east, where a high concentration of conductive lineaments is found. These are occurring within an area of lower magnetic background values and decreased signal variability, indicating that it is possibly dominated by sedimentary rocks. They could therefore relate to graphitic shales or to horizons enriched in sulphides. A good correlation is found between the general strike of both conductive lineaments and poorly magnetic ones.

2- Near the eastern contact zone of the large felsic to intermediate intrusion with low background magnetic values discussed above. These conductive lineaments are trending parallel to the contact zone and are closely correlated to magnetic lineaments, sometimes strong. They are occurring in two specific zones, one to the northeast of Split Lake, near the strong magnetic low anomaly mentioned above, and the other, less conductive, to the south east of Split Lake.

3- Along a section of Botsford Lake, to the northwest of Black Lake. These conductive lineaments are generally striking ENE-WSW and are mostly coincident with magnetic anomalies possibly relating to sources enriched in sulphides in an area possibly dominated by mafic volcanic rocks.

Anomalies from this third type are considered as prospective targets.

Figure 13: **Early off-time TDEM response and anomalies**



VIII. WORK RECOMMENDATION

The discussion on the geological implication of the survey data is minimal in this report. A more general study including information regarding the local geology and all other geoscience data available in the area would be necessary to extract the full potential of the geophysical data and help to confirm and prioritize exploration targets.

EM anomalies detected by this survey could be investigated with basic ground prospection methods at first. If interesting results are obtained, or if overburden proves too thick for prospecting, it is recommended to use ground resistivity/IP or EM techniques, depending on the nature of the sources, to accurately define targets for stripping and/or drilling. The implementation of a geochemical soil sampling program or of a till sampling program could also help further prioritize outlined anomalies.

In addition, given the geological context that may be considered prospective for disseminated, non-conductive, sulphides mineralization, the magnetic data can also be used on its own to guide exploration efforts.

IX. FINAL PRODUCTS

Digital line data

The Geosoft database is provided with the channels detailed in Table 5.

Table 5: **MAG-TDEM line data channels**

No.	Name	Description	Units
1	UTM_X	UTM Easting, NAD-83, Zone 15N	m
2	UTM_Y	UTM Northing, NAD-83, Zone 15N	m
3	Lat_deg	Latitude in decimal degrees (WGS-84)	Deg
4	Long_deg	Longitude in decimal degrees (WGS-84)	Deg
5	GPS_Z	Helicopter altitude (w.r.t. MSL)	m
6	Gtm_sec	Second since midnight GMT	Sec
7	Radar	Ground clearance given by the radar altimeter	m
8	Terrain	Digital Elevation Model calculated from GPS and Radar	m
9	Mag_Raw	Raw magnetic data	nT
10	Mag_Lag	Lagged magnetic data	nT
11	Gnd_mag	Base station magnetic data	nT
12	Mag_Cor	Magnetic data corrected for diurnal variation	nT
13	TMI	Fully levelled Total Magnetic Intensity	nT
14	TMIres	Residual TMI (IGRF removed)	nT
15	OFF_TIME	Amplitude of Off-time channels (13 to 36)	nT/s

Maps

All maps are referred to NAD-83 in the UTM projection Zone 15 North, with coordinates in metres. Maps are at a 1:30,000 scale. They are provided in PDF, PNG, Geotiff and Geosoft MAP formats for the products detailed in Table 6.

Table 6: **Maps delivered**

No.	Name	Description
1	DEM+FlightPath_Claims	Digital Elevation Model with flight path and properties claims
2	TMI	Residual Total Magnetic Intensity
3	FVD	First Vertical Derivative of the TMI
4	TILT	Tilt Angle Derivative of the TMI
5	Early_OffTime	Early_Off-Time TDEM response (Channel 13)
6	TDEM_Profiles+Anomalies	TDEM profiles with anomalies
7	FVD +TDEM_Anomalies	First Vertical Derivative of the TMI with TDEM anomalies

Grids

All grids are referred to NAD-83 in the UTM projection Zone 15 North, with coordinates in metres. Grids are provided in Geosoft GRD format, with a 20 m grid cell size, as well as in the Geotiff format for the products listed in Table 7.

Table 7: **Grids delivered**

No.	Name	Description	Units
1	TERRAIN	Digital Elevation Model measured by helicopter	m
2	TMI	Total Magnetic Intensity	nT
3	FVD	First Vertical Derivative of TMI	nT/m
4	SVD	Second Vertical Derivative of TMI	nT/m^2
5	TMIres	Residual TMI (IGRF removed)	nT
6	TILT	Tilt Angle Derivative of the TMI	Degree
7	Early_Off-Time	Early Off-Time TDEM response (Channel 13)	nT/s
8	Mid_Off-Time	Mid Off-Time TDEM response (Channel 20)	nT/s
9	Late_Off-Time	Late Off-Time TDEM response (Channel 27)	nT/s

Project report

The report is submitted in PDF format. The anomaly table presented in annex is also provided as a separate Excel spreadsheet.

Respectfully submitted,

_____

Joël Dubé, P.Eng.
June 6, 2022

X. Statement of Qualifications

Joël Dubé
7977 Décarie Drive
Ottawa, ON, Canada, K1C 3K3

Phone: 819.598.8486
E-mail: jdube@ddgeoscience.ca

I, Joël Dubé, P.Eng., do hereby certify that:

1. I am a Professional Engineer specialized in geophysics, President of Dynamic Discovery Geoscience Ltd., registered in Canada.

2. I earned a Bachelor of Engineering in Geological Engineering in 1999 from the École Polytechnique de Montréal.

3. I am an Engineer registered with the Ordre des Ingénieurs du Québec, No. 122937, and a Professional Engineer with Professional Engineers Ontario, No. 100194954 (CofA No. 100219617), with the Association of Professional Engineers and Geoscientists of New Brunswick, No. L5202 (CofA No. F1853), with the Association of Professional Engineers of Nova Scotia, No. 11915 (CofC No. 51099), with Engineers Geoscientists Manitoba, No. 43414. (CofA No. 6897), with Professional Engineers & Geoscientists Newfoundland & Labrador, No. 10012 (PtoP No. N1134) and with the Northwest Territories Association of Professional Engineers & Geoscientists, No. L4447 (PtoP No. P1414).

4. I have practised my profession for 23 years in exploration geophysics.

5. I have not received and do not expect to receive a direct or indirect interest in the properties covered by this report.

Dated this 6th day of June, 2022

_____
Joël Dubé, P.Eng. #100194954

XI. Appendix A – Survey block outline

Black Lake Drayton Block

Easting	Northing
580627	5539228
580349	5539160
579927	5539161
579917	5539208
579726	5539204
579719	5539685
579271	5539679
579257	5540605
575674	5540553
575656	5541832
575848	5541881
575811	5542045
575868	5542059
575863	5542213
575999	5542248
577318	5542242
577796	5542365
577773	5542442
578339	5542450
578346	5541987
584161	5542075
584132	5543929
585474	5543950
585460	5544876
586360	5544890
586367	5544427
587257	5544442
587249	5544905
588144	5544920
588129	5545846
589924	5545876
589939	5544949
590382	5544957
590350	5546810
591692	5546833
591684	5547296
593920	5547335
593888	5549188
594335	5549196
594318	5550122
594765	5550130
594757	5550593
595651	5550609
595643	5551068

595196	5551060
595155	5553381
596048	5553397
596039	5553860
597380	5553885
597338	5556201
597784	5556209
597767	5557135
601338	5557202
601329	5557665
601776	5557674
601758	5558601
603548	5558635
603558	5558171
604450	5558189
604523	5554478
602736	5554443
602745	5553980
602298	5553971
602316	5553045
600976	5553019
601011	5551166
599223	5551133
599241	5550206
598793	5550198
598819	5548813
601949	5548872
601984	5547014
601090	5546997
601107	5546071
597976	5546012
597993	5545086
595756	5545045
595797	5542729
594001	5542698
593994	5543160
593103	5543145
593152	5540365
590460	5540320
590444	5541246
587762	5541201
587770	5540738
585526	5540702
585519	5541165
584628	5541151
584636	5540688
581053	5540632
581067	5539706
580620	5539699

XII. Appendix B – Property claims covered by the survey

Tenure number	Holder	l-km within claim
544345	(100) GROUP TEN METALS INC	2.181
544349	(100) GROUP TEN METALS INC	2.181
544351	(100) GROUP TEN METALS INC	2.181
544352	(100) GROUP TEN METALS INC	2.181
544346	(100) GROUP TEN METALS INC	2.183
544347	(100) GROUP TEN METALS INC	2.183
544348	(100) GROUP TEN METALS INC	2.183
544350	(100) GROUP TEN METALS INC	2.183
544353	(100) GROUP TEN METALS INC	2.183
544354	(100) GROUP TEN METALS INC	2.183
544264	(100) GROUP TEN METALS INC	2.184
544265	(100) GROUP TEN METALS INC	2.184
544266	(100) GROUP TEN METALS INC	2.184
544267	(100) GROUP TEN METALS INC	2.184
544268	(100) GROUP TEN METALS INC	2.184
544269	(100) GROUP TEN METALS INC	2.184
544270	(100) GROUP TEN METALS INC	2.184
544271	(100) GROUP TEN METALS INC	2.184
544272	(100) GROUP TEN METALS INC	2.184
544273	(100) GROUP TEN METALS INC	2.184
544274	(100) GROUP TEN METALS INC	2.184
544275	(100) GROUP TEN METALS INC	2.184
544276	(100) GROUP TEN METALS INC	2.184
544277	(100) GROUP TEN METALS INC	2.184
544278	(100) GROUP TEN METALS INC	2.185
544279	(100) GROUP TEN METALS INC	2.185
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544285	(100) GROUP TEN METALS INC	2.185
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544287	(100) GROUP TEN METALS INC	2.185
544288	(100) GROUP TEN METALS INC	2.185
544289	(100) GROUP TEN METALS INC	2.185
544290	(100) GROUP TEN METALS INC	2.185
544291	(100) GROUP TEN METALS INC	2.185
544292	(100) GROUP TEN METALS INC	2.185
544293	(100) GROUP TEN METALS INC	2.185
544294	(100) GROUP TEN METALS INC	2.185
544295	(100) GROUP TEN METALS INC	2.185
544296	(100) GROUP TEN METALS INC	2.185
544297	(100) GROUP TEN METALS INC	2.185
544298	(100) GROUP TEN METALS INC	2.185
544299	(100) GROUP TEN METALS INC	2.185
544300	(100) GROUP TEN METALS INC	2.185

Tenure number	Holder	l-km within claim
544301	(100) GROUP TEN METALS INC	2.185
544302	(100) GROUP TEN METALS INC	2.186
544303	(100) GROUP TEN METALS INC	2.186
544304	(100) GROUP TEN METALS INC	2.186
544305	(100) GROUP TEN METALS INC	2.186
544306	(100) GROUP TEN METALS INC	2.186
544307	(100) GROUP TEN METALS INC	2.186
544172	(100) GROUP TEN METALS INC	2.188
544181	(100) GROUP TEN METALS INC	2.188
544182	(100) GROUP TEN METALS INC	2.188
544185	(100) GROUP TEN METALS INC	2.188
544190	(100) GROUP TEN METALS INC	2.188
544175	(100) GROUP TEN METALS INC	2.188
544184	(100) GROUP TEN METALS INC	2.188
544187	(100) GROUP TEN METALS INC	2.188
544173	(100) GROUP TEN METALS INC	2.188
544176	(100) GROUP TEN METALS INC	2.188
544197	(100) GROUP TEN METALS INC	2.188
544198	(100) GROUP TEN METALS INC	2.188
544200	(100) GROUP TEN METALS INC	2.188
544204	(100) GROUP TEN METALS INC	2.188
544170	(100) GROUP TEN METALS INC	2.188
544174	(100) GROUP TEN METALS INC	2.188
544178	(100) GROUP TEN METALS INC	2.188
544180	(100) GROUP TEN METALS INC	2.188
544183	(100) GROUP TEN METALS INC	2.188
544203	(100) GROUP TEN METALS INC	2.188
544207	(100) GROUP TEN METALS INC	2.188
544194	(100) GROUP TEN METALS INC	2.188
544206	(100) GROUP TEN METALS INC	2.188
544168	(100) GROUP TEN METALS INC	2.189
544169	(100) GROUP TEN METALS INC	2.189
544177	(100) GROUP TEN METALS INC	2.189
544186	(100) GROUP TEN METALS INC	2.189
544192	(100) GROUP TEN METALS INC	2.189
544195	(100) GROUP TEN METALS INC	2.189
544199	(100) GROUP TEN METALS INC	2.189
544201	(100) GROUP TEN METALS INC	2.189
544205	(100) GROUP TEN METALS INC	2.189
544171	(100) GROUP TEN METALS INC	2.189
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544196	(100) GROUP TEN METALS INC	2.189
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544208	(100) GROUP TEN METALS INC	2.189
544209	(100) GROUP TEN METALS INC	2.189
544210	(100) GROUP TEN METALS INC	2.189
544211	(100) GROUP TEN METALS INC	2.189

Tenure number	Holder	l-km within claim
544212	(100) GROUP TEN METALS INC	2.189
544213	(100) GROUP TEN METALS INC	2.189
544214	(100) GROUP TEN METALS INC	2.189
544357	(100) GROUP TEN METALS INC	2.189
544215	(100) GROUP TEN METALS INC	2.189
544216	(100) GROUP TEN METALS INC	2.189
544217	(100) GROUP TEN METALS INC	2.189
544355	(100) GROUP TEN METALS INC	2.189
544356	(100) GROUP TEN METALS INC	2.189
192695	(100) GROUP TEN METALS INC	2.184
192696	(100) GROUP TEN METALS INC	2.184
308783	(100) GROUP TEN METALS INC	2.184
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128700	(100) GROUP TEN METALS INC	2.184
146092	(100) GROUP TEN METALS INC	2.184
221940	(100) GROUP TEN METALS INC	2.184
106906	(100) GROUP TEN METALS INC	2.184
175279	(100) GROUP TEN METALS INC	2.184
336304	(100) GROUP TEN METALS INC	2.184
128276	(100) GROUP TEN METALS INC	2.187
279017	(100) GROUP TEN METALS INC	2.187
203379	(100) GROUP TEN METALS INC	2.188
211466	(100) GROUP TEN METALS INC	2.188
223513	(100) GROUP TEN METALS INC	2.188
277482	(100) GROUP TEN METALS INC	2.188
211467	(100) GROUP TEN METALS INC	2.188
259456	(100) GROUP TEN METALS INC	2.188
277483	(100) GROUP TEN METALS INC	2.188
143475	(100) GROUP TEN METALS INC	2.188
163596	(100) GROUP TEN METALS INC	2.188
223514	(100) GROUP TEN METALS INC	2.188
153503	(100) GROUP TEN METALS INC	2.183
218965	(100) GROUP TEN METALS INC	2.183
285487	(100) GROUP TEN METALS INC	2.183
206845	(100) GROUP TEN METALS INC	2.183
303355	(100) GROUP TEN METALS INC	2.183
197378	(100) GROUP TEN METALS INC	2.184
234159	(100) GROUP TEN METALS INC	2.184
151564	(100) GROUP TEN METALS INC	2.184
168121	(100) GROUP TEN METALS INC	2.184
197387	(100) GROUP TEN METALS INC	2.184
331386	(100) GROUP TEN METALS INC	2.184
197388	(100) GROUP TEN METALS INC	2.184
271422	(100) GROUP TEN METALS INC	2.184
263442	(100) GROUP TEN METALS INC	2.184
582994	(100) GROUP TEN METALS INC	2.184
582995	(100) GROUP TEN METALS INC	2.184
582996	(100) GROUP TEN METALS INC	2.184
583001	(100) GROUP TEN METALS INC	2.184
583002	(100) GROUP TEN METALS INC	2.184
102167	(100) GROUP TEN METALS INC	2.185

Tenure number	Holder	l-km within claim
220486	(100) GROUP TEN METALS INC	2.185
228475	(100) GROUP TEN METALS INC	2.185
287761	(100) GROUP TEN METALS INC	2.185
102169	(100) GROUP TEN METALS INC	2.185
209058	(100) GROUP TEN METALS INC	2.185
287762	(100) GROUP TEN METALS INC	2.185
295076	(100) GROUP TEN METALS INC	2.185
183978	(100) GROUP TEN METALS INC	2.185
102170	(100) GROUP TEN METALS INC	2.185
155642	(100) GROUP TEN METALS INC	2.185
174537	(100) GROUP TEN METALS INC	2.185
228476	(100) GROUP TEN METALS INC	2.185
117474	(100) GROUP TEN METALS INC	2.185
158434	(100) GROUP TEN METALS INC	2.185
165043	(100) GROUP TEN METALS INC	2.185
191093	(100) GROUP TEN METALS INC	2.185
287779	(100) GROUP TEN METALS INC	2.185
295093	(100) GROUP TEN METALS INC	2.185
324295	(100) GROUP TEN METALS INC	2.185
327055	(100) GROUP TEN METALS INC	2.185
119103	(100) GROUP TEN METALS INC	2.185
183979	(100) GROUP TEN METALS INC	2.185
223811	(100) GROUP TEN METALS INC	2.185
298441	(100) GROUP TEN METALS INC	2.185
168821	(100) GROUP TEN METALS INC	2.186
301939	(100) GROUP TEN METALS INC	2.186
284212	(100) GROUP TEN METALS INC	2.186
318669	(100) GROUP TEN METALS INC	2.186
206078	(100) GROUP TEN METALS INC	2.186
218201	(100) GROUP TEN METALS INC	2.186
168822	(100) GROUP TEN METALS INC	2.186
206079	(100) GROUP TEN METALS INC	2.186
100727	(100) GROUP TEN METALS INC	2.187
162159	(100) GROUP TEN METALS INC	2.187
201448	(100) GROUP TEN METALS INC	2.187
288152	(100) GROUP TEN METALS INC	2.187
311983	(100) GROUP TEN METALS INC	2.187
114880	(100) GROUP TEN METALS INC	2.187
115383	(100) GROUP TEN METALS INC	2.187
133292	(100) GROUP TEN METALS INC	2.187
303356	(100) GROUP TEN METALS INC	2.187
324197	(100) GROUP TEN METALS INC	2.187
114879	(100) GROUP TEN METALS INC	2.187
126328	(100) GROUP TEN METALS INC	2.187
209502	(100) GROUP TEN METALS INC	2.187
201449	(100) GROUP TEN METALS INC	2.187
209503	(100) GROUP TEN METALS INC	2.187
221580	(100) GROUP TEN METALS INC	2.187
226243	(100) GROUP TEN METALS INC	2.187
257543	(100) GROUP TEN METALS INC	2.187
324198	(100) GROUP TEN METALS INC	2.187

Tenure number	Holder	l-km within claim
333918	(100) GROUP TEN METALS INC	2.187
333919	(100) GROUP TEN METALS INC	2.187
162160	(100) GROUP TEN METALS INC	2.187
201450	(100) GROUP TEN METALS INC	2.187
209504	(100) GROUP TEN METALS INC	2.187
226244	(100) GROUP TEN METALS INC	2.187
288153	(100) GROUP TEN METALS INC	2.187
295984	(100) GROUP TEN METALS INC	2.187
311984	(100) GROUP TEN METALS INC	2.187
319944	(100) GROUP TEN METALS INC	2.187
126925	(100) GROUP TEN METALS INC	2.187
140020	(100) GROUP TEN METALS INC	2.187
151297	(100) GROUP TEN METALS INC	2.187
162233	(100) GROUP TEN METALS INC	2.187
210076	(100) GROUP TEN METALS INC	2.187
257619	(100) GROUP TEN METALS INC	2.187
272846	(100) GROUP TEN METALS INC	2.187
276112	(100) GROUP TEN METALS INC	2.187
115384	(100) GROUP TEN METALS INC	2.187
134638	(100) GROUP TEN METALS INC	2.187
149965	(100) GROUP TEN METALS INC	2.187
114940	(100) GROUP TEN METALS INC	2.187
114941	(100) GROUP TEN METALS INC	2.187
156213	(100) GROUP TEN METALS INC	2.187
202779	(100) GROUP TEN METALS INC	2.187
221647	(100) GROUP TEN METALS INC	2.187
276113	(100) GROUP TEN METALS INC	2.187
277386	(100) GROUP TEN METALS INC	2.187
287872	(100) GROUP TEN METALS INC	2.187
294956	(100) GROUP TEN METALS INC	2.187
325519	(100) GROUP TEN METALS INC	2.187
113898	(100) GROUP TEN METALS INC	2.188
140021	(100) GROUP TEN METALS INC	2.188
197459	(100) GROUP TEN METALS INC	2.188
248761	(100) GROUP TEN METALS INC	2.188
264760	(100) GROUP TEN METALS INC	2.188
320719	(100) GROUP TEN METALS INC	2.188
320816	(100) GROUP TEN METALS INC	2.188
333212	(100) GROUP TEN METALS INC	2.188
333308	(100) GROUP TEN METALS INC	2.188
117018	(100) GROUP TEN METALS INC	2.188
157487	(100) GROUP TEN METALS INC	2.188
278921	(100) GROUP TEN METALS INC	2.188
313463	(100) GROUP TEN METALS INC	2.188
128541	(100) GROUP TEN METALS INC	2.188
134639	(100) GROUP TEN METALS INC	2.188
140022	(100) GROUP TEN METALS INC	2.188
168708	(100) GROUP TEN METALS INC	2.188
197460	(100) GROUP TEN METALS INC	2.188
202780	(100) GROUP TEN METALS INC	2.188
206179	(100) GROUP TEN METALS INC	2.188

Tenure number	Holder	l-km within claim
218196	(100) GROUP TEN METALS INC	2.188
222927	(100) GROUP TEN METALS INC	2.188
230199	(100) GROUP TEN METALS INC	2.188
296227	(100) GROUP TEN METALS INC	2.188
301318	(100) GROUP TEN METALS INC	2.188
302042	(100) GROUP TEN METALS INC	2.188
318572	(100) GROUP TEN METALS INC	2.188
320817	(100) GROUP TEN METALS INC	2.188
104904	(100) GROUP TEN METALS INC	2.188
143366	(100) GROUP TEN METALS INC	2.188
143367	(100) GROUP TEN METALS INC	2.188
149354	(100) GROUP TEN METALS INC	2.188
168709	(100) GROUP TEN METALS INC	2.188
197461	(100) GROUP TEN METALS INC	2.188
271487	(100) GROUP TEN METALS INC	2.188
277387	(100) GROUP TEN METALS INC	2.188
313464	(100) GROUP TEN METALS INC	2.188
336232	(100) GROUP TEN METALS INC	2.188
127681	(100) GROUP TEN METALS INC	2.188
210871	(100) GROUP TEN METALS INC	2.188
210872	(100) GROUP TEN METALS INC	2.188
278922	(100) GROUP TEN METALS INC	2.188
100141	(100) GROUP TEN METALS INC	2.187
125606	(100) GROUP TEN METALS INC	2.187
171440	(100) GROUP TEN METALS INC	2.187
266824	(100) GROUP TEN METALS INC	2.187
227603	(100) GROUP TEN METALS INC	2.187
266825	(100) GROUP TEN METALS INC	2.187
286904	(100) GROUP TEN METALS INC	2.187
310723	(100) GROUP TEN METALS INC	2.187
220311	(100) GROUP TEN METALS INC	2.187
571652	(100) GROUP TEN METALS INC	2.187
571649	(100) GROUP TEN METALS INC	2.188
571650	(100) GROUP TEN METALS INC	2.188
259502	(100) GROUP TEN METALS INC	2.188
314107	(100) GROUP TEN METALS INC	2.188
117108	(100) GROUP TEN METALS INC	2.188
203428	(100) GROUP TEN METALS INC	2.188
101848	(100) GROUP TEN METALS INC	2.188
296874	(100) GROUP TEN METALS INC	2.188
314071	(100) GROUP TEN METALS INC	2.188
314108	(100) GROUP TEN METALS INC	2.188
117109	(100) GROUP TEN METALS INC	2.188
144759	(100) GROUP TEN METALS INC	2.188
156859	(100) GROUP TEN METALS INC	2.188
222302	(100) GROUP TEN METALS INC	2.188
259457	(100) GROUP TEN METALS INC	2.188
313358	(100) GROUP TEN METALS INC	2.188
314072	(100) GROUP TEN METALS INC	2.188
156884	(100) GROUP TEN METALS INC	2.188
210769	(100) GROUP TEN METALS INC	2.188

Tenure number	Holder	l-km within claim
223586	(100) GROUP TEN METALS INC	2.188
230342	(100) GROUP TEN METALS INC	2.188
288854	(100) GROUP TEN METALS INC	2.188
296893	(100) GROUP TEN METALS INC	2.188
325435	(100) GROUP TEN METALS INC	2.188
163655	(100) GROUP TEN METALS INC	2.188
202705	(100) GROUP TEN METALS INC	2.188
259526	(100) GROUP TEN METALS INC	2.188
314132	(100) GROUP TEN METALS INC	2.188
325436	(100) GROUP TEN METALS INC	2.188
325437	(100) GROUP TEN METALS INC	2.188
571646	(100) GROUP TEN METALS INC	2.188
144782	(100) GROUP TEN METALS INC	2.189
223587	(100) GROUP TEN METALS INC	2.189
288872	(100) GROUP TEN METALS INC	2.189
325438	(100) GROUP TEN METALS INC	2.189
203447	(100) GROUP TEN METALS INC	2.189
278052	(100) GROUP TEN METALS INC	2.189
202706	(100) GROUP TEN METALS INC	2.189
278053	(100) GROUP TEN METALS INC	2.189
279591	(100) GROUP TEN METALS INC	2.189
314133	(100) GROUP TEN METALS INC	2.189
326166	(100) GROUP TEN METALS INC	2.189
101409	(100) GROUP TEN METALS INC	2.187
261563	(100) GROUP TEN METALS INC	2.187
274759	(100) GROUP TEN METALS INC	2.187
302696	(100) GROUP TEN METALS INC	2.187
116726	(100) GROUP TEN METALS INC	2.188
194946	(100) GROUP TEN METALS INC	2.188
211465	(100) GROUP TEN METALS INC	2.188
571648	(100) GROUP TEN METALS INC	2.188
128277	(100) GROUP TEN METALS INC	2.188
160184	(100) GROUP TEN METALS INC	2.188
232904	(100) GROUP TEN METALS INC	2.188
571651	(100) GROUP TEN METALS INC	2.188
263608	(100) GROUP TEN METALS INC	2.183
271568	(100) GROUP TEN METALS INC	2.183
216392	(100) GROUP TEN METALS INC	2.183
151619	(100) GROUP TEN METALS INC	2.183
216391	(100) GROUP TEN METALS INC	2.183
263609	(100) GROUP TEN METALS INC	2.183
342617	(100) GROUP TEN METALS INC	2.183
116632	(100) GROUP TEN METALS INC	2.183
123094	(100) GROUP TEN METALS INC	2.183
181025	(100) GROUP TEN METALS INC	2.183
205574	(100) GROUP TEN METALS INC	2.183
216393	(100) GROUP TEN METALS INC	2.183
232281	(100) GROUP TEN METALS INC	2.183
328094	(100) GROUP TEN METALS INC	2.183
583006	(100) GROUP TEN METALS INC	2.183
583011	(100) GROUP TEN METALS INC	2.183

Tenure number	Holder	l-km within claim
181027	(100) GROUP TEN METALS INC	2.183
216394	(100) GROUP TEN METALS INC	2.183
216395	(100) GROUP TEN METALS INC	2.183
232282	(100) GROUP TEN METALS INC	2.183
232283	(100) GROUP TEN METALS INC	2.183
260948	(100) GROUP TEN METALS INC	2.183
283690	(100) GROUP TEN METALS INC	2.183
583007	(100) GROUP TEN METALS INC	2.183
583018	(100) GROUP TEN METALS INC	2.183
116889	(100) GROUP TEN METALS INC	2.183
160836	(100) GROUP TEN METALS INC	2.183
282283	(100) GROUP TEN METALS INC	2.183
328875	(100) GROUP TEN METALS INC	2.183
258133	(100) GROUP TEN METALS INC	2.183
260949	(100) GROUP TEN METALS INC	2.183
281000	(100) GROUP TEN METALS INC	2.183
582958	(100) GROUP TEN METALS INC	2.183
582959	(100) GROUP TEN METALS INC	2.183
582991	(100) GROUP TEN METALS INC	2.183
582992	(100) GROUP TEN METALS INC	2.183
583013	(100) GROUP TEN METALS INC	2.183
583017	(100) GROUP TEN METALS INC	2.183
116890	(100) GROUP TEN METALS INC	2.183
116891	(100) GROUP TEN METALS INC	2.183
121701	(100) GROUP TEN METALS INC	2.183
160837	(100) GROUP TEN METALS INC	2.183
583005	(100) GROUP TEN METALS INC	2.183
583016	(100) GROUP TEN METALS INC	2.183
324779	(100) GROUP TEN METALS INC	2.183
583000	(100) GROUP TEN METALS INC	2.183
583009	(100) GROUP TEN METALS INC	2.183
583012	(100) GROUP TEN METALS INC	2.183
583019	(100) GROUP TEN METALS INC	2.183
582957	(100) GROUP TEN METALS INC	2.184
582997	(100) GROUP TEN METALS INC	2.184
583004	(100) GROUP TEN METALS INC	2.184
583008	(100) GROUP TEN METALS INC	2.184
583022	(100) GROUP TEN METALS INC	2.184
584741	(100) GROUP TEN METALS INC	2.184
258134	(100) GROUP TEN METALS INC	2.184
583014	(100) GROUP TEN METALS INC	2.184
583015	(100) GROUP TEN METALS INC	2.184
128233	(100) GROUP TEN METALS INC	2.184
195541	(100) GROUP TEN METALS INC	2.184
195542	(100) GROUP TEN METALS INC	2.184
209478	(100) GROUP TEN METALS INC	2.184
260140	(100) GROUP TEN METALS INC	2.184
276120	(100) GROUP TEN METALS INC	2.184
276121	(100) GROUP TEN METALS INC	2.184
290307	(100) GROUP TEN METALS INC	2.184
582990	(100) GROUP TEN METALS INC	2.184

Tenure number	Holder	l-km within claim
583010	(100) GROUP TEN METALS INC	2.184
291741	(100) GROUP TEN METALS INC	2.184
320963	(100) GROUP TEN METALS INC	2.184
329466	(100) GROUP TEN METALS INC	2.184
196165	(100) GROUP TEN METALS INC	2.184
233622	(100) GROUP TEN METALS INC	2.184
582993	(100) GROUP TEN METALS INC	2.184
101628	(100) GROUP TEN METALS INC	2.185
289734	(100) GROUP TEN METALS INC	2.185
583021	(100) GROUP TEN METALS INC	2.185
582998	(100) GROUP TEN METALS INC	2.185
582999	(100) GROUP TEN METALS INC	2.185
583003	(100) GROUP TEN METALS INC	2.185
183132	(100) GROUP TEN METALS INC	2.183
266218	(100) GROUP TEN METALS INC	2.183
266219	(100) GROUP TEN METALS INC	2.183
208272	(100) GROUP TEN METALS INC	2.183
322313	(100) GROUP TEN METALS INC	2.183
322314	(100) GROUP TEN METALS INC	2.183
125190	(100) GROUP TEN METALS INC	2.183
218497	(100) GROUP TEN METALS INC	2.183
293067	(100) GROUP TEN METALS INC	2.183
297008	(100) GROUP TEN METALS INC	2.183
223667	(100) GROUP TEN METALS INC	2.183
296974	(100) GROUP TEN METALS INC	2.183
126872	(100) GROUP TEN METALS INC	2.185
156168	(100) GROUP TEN METALS INC	2.185
221604	(100) GROUP TEN METALS INC	2.185
228868	(100) GROUP TEN METALS INC	2.185
243985	(100) GROUP TEN METALS INC	2.185
294920	(100) GROUP TEN METALS INC	2.185
228869	(100) GROUP TEN METALS INC	2.186
257577	(100) GROUP TEN METALS INC	2.186
100748	(100) GROUP TEN METALS INC	2.186
156169	(100) GROUP TEN METALS INC	2.186
162191	(100) GROUP TEN METALS INC	2.186
144058	(100) GROUP TEN METALS INC	2.186
156170	(100) GROUP TEN METALS INC	2.186
162192	(100) GROUP TEN METALS INC	2.186
162193	(100) GROUP TEN METALS INC	2.186
259364	(100) GROUP TEN METALS INC	2.186
294921	(100) GROUP TEN METALS INC	2.186
307167	(100) GROUP TEN METALS INC	2.186
313927	(100) GROUP TEN METALS INC	2.186
326689	(100) GROUP TEN METALS INC	2.186
126873	(100) GROUP TEN METALS INC	2.186
139195	(100) GROUP TEN METALS INC	2.186
144059	(100) GROUP TEN METALS INC	2.186
163998	(100) GROUP TEN METALS INC	2.186
209521	(100) GROUP TEN METALS INC	2.186
223413	(100) GROUP TEN METALS INC	2.186

Tenure number	Holder	l-km within claim
259365	(100) GROUP TEN METALS INC	2.186
294922	(100) GROUP TEN METALS INC	2.186
324227	(100) GROUP TEN METALS INC	2.186
114911	(100) GROUP TEN METALS INC	2.186
126874	(100) GROUP TEN METALS INC	2.186
144060	(100) GROUP TEN METALS INC	2.186
144061	(100) GROUP TEN METALS INC	2.186
324228	(100) GROUP TEN METALS INC	2.186
128150	(100) GROUP TEN METALS INC	2.187
209500	(100) GROUP TEN METALS INC	2.187
290813	(100) GROUP TEN METALS INC	2.187
335786	(100) GROUP TEN METALS INC	2.187
335787	(100) GROUP TEN METALS INC	2.187
107524	(100) GROUP TEN METALS INC	2.187
192198	(100) GROUP TEN METALS INC	2.187
209501	(100) GROUP TEN METALS INC	2.187
287983	(100) GROUP TEN METALS INC	2.187
290814	(100) GROUP TEN METALS INC	2.187
100728	(100) GROUP TEN METALS INC	2.187
192199	(100) GROUP TEN METALS INC	2.187
134358	(100) GROUP TEN METALS INC	2.187
135621	(100) GROUP TEN METALS INC	2.187
140187	(100) GROUP TEN METALS INC	2.187
180263	(100) GROUP TEN METALS INC	2.187
200422	(100) GROUP TEN METALS INC	2.187
207745	(100) GROUP TEN METALS INC	2.187
335788	(100) GROUP TEN METALS INC	2.187
128151	(100) GROUP TEN METALS INC	2.187
141694	(100) GROUP TEN METALS INC	2.187
199172	(100) GROUP TEN METALS INC	2.187
228926	(100) GROUP TEN METALS INC	2.187
248350	(100) GROUP TEN METALS INC	2.187
303617	(100) GROUP TEN METALS INC	2.187
314919	(100) GROUP TEN METALS INC	2.187
180264	(100) GROUP TEN METALS INC	2.187
303616	(100) GROUP TEN METALS INC	2.187
100367	(100) GROUP TEN METALS INC	2.187
143365	(100) GROUP TEN METALS INC	2.187
156212	(100) GROUP TEN METALS INC	2.187
157486	(100) GROUP TEN METALS INC	2.187
187727	(100) GROUP TEN METALS INC	2.187
199173	(100) GROUP TEN METALS INC	2.187
200423	(100) GROUP TEN METALS INC	2.187
255055	(100) GROUP TEN METALS INC	2.187
292225	(100) GROUP TEN METALS INC	2.187
100270	(100) GROUP TEN METALS INC	2.183
313361	(100) GROUP TEN METALS INC	2.183
116835	(100) GROUP TEN METALS INC	2.184
144761	(100) GROUP TEN METALS INC	2.184
276765	(100) GROUP TEN METALS INC	2.184
313362	(100) GROUP TEN METALS INC	2.184

Tenure number	Holder	l-km within claim
583020	(100) GROUP TEN METALS INC	2.184
156865	(100) GROUP TEN METALS INC	2.184
172187	(100) GROUP TEN METALS INC	2.184
222306	(100) GROUP TEN METALS INC	2.184
228303	(100) GROUP TEN METALS INC	2.184
144000	(100) GROUP TEN METALS INC	2.184
144001	(100) GROUP TEN METALS INC	2.184
156866	(100) GROUP TEN METALS INC	2.184
257509	(100) GROUP TEN METALS INC	2.184
313363	(100) GROUP TEN METALS INC	2.184
116724	(100) GROUP TEN METALS INC	2.184
121006	(100) GROUP TEN METALS INC	2.184
179004	(100) GROUP TEN METALS INC	2.184
261559	(100) GROUP TEN METALS INC	2.184
261558	(100) GROUP TEN METALS INC	2.184
298907	(100) GROUP TEN METALS INC	2.184
211468	(100) GROUP TEN METALS INC	2.188
101008	(100) GROUP TEN METALS INC	2.188
180468	(100) GROUP TEN METALS INC	2.188
197565	(100) GROUP TEN METALS INC	2.188
101009	(100) GROUP TEN METALS INC	2.188
230290	(100) GROUP TEN METALS INC	2.188
271002	(100) GROUP TEN METALS INC	2.188
342558	(100) GROUP TEN METALS INC	2.188
197566	(100) GROUP TEN METALS INC	2.188
205003	(100) GROUP TEN METALS INC	2.188
223585	(100) GROUP TEN METALS INC	2.188
283621	(100) GROUP TEN METALS INC	2.188
180469	(100) GROUP TEN METALS INC	2.188
234358	(100) GROUP TEN METALS INC	2.188
279590	(100) GROUP TEN METALS INC	2.188
330205	(100) GROUP TEN METALS INC	2.188
101877	(100) GROUP TEN METALS INC	2.189
123033	(100) GROUP TEN METALS INC	2.189
205004	(100) GROUP TEN METALS INC	2.189
234359	(100) GROUP TEN METALS INC	2.189
104901	(100) GROUP TEN METALS INC	2.186
117483	(100) GROUP TEN METALS INC	2.186
127711	(100) GROUP TEN METALS INC	2.186
248760	(100) GROUP TEN METALS INC	2.186
257704	(100) GROUP TEN METALS INC	2.186
295096	(100) GROUP TEN METALS INC	2.186
336229	(100) GROUP TEN METALS INC	2.186
148418	(100) GROUP TEN METALS INC	2.186
228489	(100) GROUP TEN METALS INC	2.186
228490	(100) GROUP TEN METALS INC	2.186
228491	(100) GROUP TEN METALS INC	2.186
229268	(100) GROUP TEN METALS INC	2.186
257705	(100) GROUP TEN METALS INC	2.186
308104	(100) GROUP TEN METALS INC	2.186
323756	(100) GROUP TEN METALS INC	2.186

Tenure number	Holder	l-km within claim
324298	(100) GROUP TEN METALS INC	2.186
339343	(100) GROUP TEN METALS INC	2.186
143251	(100) GROUP TEN METALS INC	2.186
256590	(100) GROUP TEN METALS INC	2.186
257982	(100) GROUP TEN METALS INC	2.186
339344	(100) GROUP TEN METALS INC	2.186
104902	(100) GROUP TEN METALS INC	2.186
117484	(100) GROUP TEN METALS INC	2.186
191098	(100) GROUP TEN METALS INC	2.186
241156	(100) GROUP TEN METALS INC	2.186
241447	(100) GROUP TEN METALS INC	2.186
276221	(100) GROUP TEN METALS INC	2.186
295097	(100) GROUP TEN METALS INC	2.186
336230	(100) GROUP TEN METALS INC	2.186
102187	(100) GROUP TEN METALS INC	2.187
112999	(100) GROUP TEN METALS INC	2.187
143252	(100) GROUP TEN METALS INC	2.187
157334	(100) GROUP TEN METALS INC	2.187
228492	(100) GROUP TEN METALS INC	2.187
241157	(100) GROUP TEN METALS INC	2.187
241158	(100) GROUP TEN METALS INC	2.187
257983	(100) GROUP TEN METALS INC	2.187
324299	(100) GROUP TEN METALS INC	2.187
330462	(100) GROUP TEN METALS INC	2.187
104882	(100) GROUP TEN METALS INC	2.187
241448	(100) GROUP TEN METALS INC	2.187
287871	(100) GROUP TEN METALS INC	2.187
137787	(100) GROUP TEN METALS INC	2.187
139992	(100) GROUP TEN METALS INC	2.187
154534	(100) GROUP TEN METALS INC	2.187
199933	(100) GROUP TEN METALS INC	2.187
229250	(100) GROUP TEN METALS INC	2.187
236523	(100) GROUP TEN METALS INC	2.187
236524	(100) GROUP TEN METALS INC	2.187
256591	(100) GROUP TEN METALS INC	2.187
257984	(100) GROUP TEN METALS INC	2.187
267184	(100) GROUP TEN METALS INC	2.187
267185	(100) GROUP TEN METALS INC	2.187
141217	(100) GROUP TEN METALS INC	2.187
169968	(100) GROUP TEN METALS INC	2.187
229251	(100) GROUP TEN METALS INC	2.187
236525	(100) GROUP TEN METALS INC	2.187
241424	(100) GROUP TEN METALS INC	2.187
287846	(100) GROUP TEN METALS INC	2.187
323298	(100) GROUP TEN METALS INC	2.187
114923	(100) GROUP TEN METALS INC	2.188
209537	(100) GROUP TEN METALS INC	2.188
228888	(100) GROUP TEN METALS INC	2.188
312026	(100) GROUP TEN METALS INC	2.188
324745	(100) GROUP TEN METALS INC	2.188
324746	(100) GROUP TEN METALS INC	2.188

Tenure number	Holder	l-km within claim
100760	(100) GROUP TEN METALS INC	2.188
103597	(100) GROUP TEN METALS INC	2.188
105072	(100) GROUP TEN METALS INC	2.188
114924	(100) GROUP TEN METALS INC	2.188
123960	(100) GROUP TEN METALS INC	2.188
126891	(100) GROUP TEN METALS INC	2.188
151860	(100) GROUP TEN METALS INC	2.188
156180	(100) GROUP TEN METALS INC	2.188
161099	(100) GROUP TEN METALS INC	2.188
168478	(100) GROUP TEN METALS INC	2.188
221623	(100) GROUP TEN METALS INC	2.188
234466	(100) GROUP TEN METALS INC	2.188
253288	(100) GROUP TEN METALS INC	2.188
254618	(100) GROUP TEN METALS INC	2.188
288193	(100) GROUP TEN METALS INC	2.188
290496	(100) GROUP TEN METALS INC	2.188
331040	(100) GROUP TEN METALS INC	2.188
342075	(100) GROUP TEN METALS INC	2.188
329711	(100) GROUP TEN METALS INC	2.188
122610	(100) GROUP TEN METALS INC	2.189
123961	(100) GROUP TEN METALS INC	2.189
144076	(100) GROUP TEN METALS INC	2.189
151861	(100) GROUP TEN METALS INC	2.189
151862	(100) GROUP TEN METALS INC	2.189
156181	(100) GROUP TEN METALS INC	2.189
161100	(100) GROUP TEN METALS INC	2.189
187965	(100) GROUP TEN METALS INC	2.189
201488	(100) GROUP TEN METALS INC	2.189
201489	(100) GROUP TEN METALS INC	2.189
217280	(100) GROUP TEN METALS INC	2.189
217281	(100) GROUP TEN METALS INC	2.189
228889	(100) GROUP TEN METALS INC	2.189
246618	(100) GROUP TEN METALS INC	2.189
246619	(100) GROUP TEN METALS INC	2.189
246620	(100) GROUP TEN METALS INC	2.189
282427	(100) GROUP TEN METALS INC	2.189
290497	(100) GROUP TEN METALS INC	2.189
294931	(100) GROUP TEN METALS INC	2.189
126893	(100) GROUP TEN METALS INC	2.189
228890	(100) GROUP TEN METALS INC	2.189
324747	(100) GROUP TEN METALS INC	2.189
100761	(100) GROUP TEN METALS INC	2.189
122611	(100) GROUP TEN METALS INC	2.189
122612	(100) GROUP TEN METALS INC	2.189
123962	(100) GROUP TEN METALS INC	2.189
126892	(100) GROUP TEN METALS INC	2.189
151863	(100) GROUP TEN METALS INC	2.189
159678	(100) GROUP TEN METALS INC	2.189
162210	(100) GROUP TEN METALS INC	2.189
185232	(100) GROUP TEN METALS INC	2.189
233053	(100) GROUP TEN METALS INC	2.189

Tenure number	Holder	l-km within claim
246621	(100) GROUP TEN METALS INC	2.189
253289	(100) GROUP TEN METALS INC	2.189
260418	(100) GROUP TEN METALS INC	2.189
271836	(100) GROUP TEN METALS INC	2.189
282428	(100) GROUP TEN METALS INC	2.189
290498	(100) GROUP TEN METALS INC	2.189
342076	(100) GROUP TEN METALS INC	2.189
269757	(100) GROUP TEN METALS INC	2.189
159679	(100) GROUP TEN METALS INC	2.189
245240	(100) GROUP TEN METALS INC	2.189
245241	(100) GROUP TEN METALS INC	2.189
222849	(100) GROUP TEN METALS INC	2.189
233054	(100) GROUP TEN METALS INC	2.189
276803	(100) GROUP TEN METALS INC	2.189
289118	(100) GROUP TEN METALS INC	2.189
156905	(100) GROUP TEN METALS INC	2.189
229606	(100) GROUP TEN METALS INC	2.189
202730	(100) GROUP TEN METALS INC	2.189
258790	(100) GROUP TEN METALS INC	2.189
313971	(100) PATRICK PAUL RIIVES	2.186
326732	(100) PATRICK PAUL RIIVES	2.186
211404	(100) PATRICK PAUL RIIVES	2.186
331770	(100) PATRICK PAUL RIIVES	2.186
331771	(100) PATRICK PAUL RIIVES	2.186
211920	(100) PATRICK PAUL RIIVES	2.187
151293	(100) GROUP TEN METALS INC	2.183
571647	(100) GROUP TEN METALS INC	2.189
123000	(100) PATRICK PAUL RIIVES	2.186
134264	(100) PATRICK PAUL RIIVES	2.186
206396	(100) PATRICK PAUL RIIVES	2.186
290214	(100) PATRICK PAUL RIIVES	2.186
186914	(100) PATRICK PAUL RIIVES	2.186
320216	(100) PATRICK PAUL RIIVES	2.186
108813	(100) PATRICK PAUL RIIVES	2.187
186915	(100) PATRICK PAUL RIIVES	2.187
206397	(100) PATRICK PAUL RIIVES	2.187
253724	(100) PATRICK PAUL RIIVES	2.187
150934	(100) PATRICK PAUL RIIVES	2.186
200430	(100) PATRICK PAUL RIIVES	2.186
236390	(100) PATRICK PAUL RIIVES	2.186
223468	(100) PATRICK PAUL RIIVES	2.186
326733	(100) PATRICK PAUL RIIVES	2.186
277897	(100) PATRICK PAUL RIIVES	2.186
139249	(100) PATRICK PAUL RIIVES	2.187
223479	(100) PATRICK PAUL RIIVES	2.187
277898	(100) PATRICK PAUL RIIVES	2.187
199071	(100) PATRICK PAUL RIIVES	2.186
199072	(100) PATRICK PAUL RIIVES	2.186
150935	(100) PATRICK PAUL RIIVES	2.186
341074	(100) PATRICK PAUL RIIVES	2.186
319707	(100) PATRICK PAUL RIIVES	2.186

Tenure number	Holder	l-km within claim
319708	(100) PATRICK PAUL RIIVES	2.186
110326	(100) PATRICK PAUL RIIVES	2.186
207753	(100) PATRICK PAUL RIIVES	2.186
245657	(100) PATRICK PAUL RIIVES	2.186
186913	(100) PATRICK PAUL RIIVES	2.186
207754	(100) PATRICK PAUL RIIVES	2.186
273156	(100) PATRICK PAUL RIIVES	2.186
123001	(100) PATRICK PAUL RIIVES	2.186
124217	(100) PATRICK PAUL RIIVES	2.186
179472	(100) PATRICK PAUL RIIVES	2.186

XIII. Appendix C – Black Lake Drayton block TDEM anomaly table

Line	UTM_X (m)	UTM_Y (m)	ID	Time Constant (msec)	Amplitude at zero delay (nT/s)
200	577557	5540877	200.01	0.10	0
210	577671	5540849	210.01	0.10	0
220	577751	5540905	220.01	0.10	0
230	577846	5540960	230.01	0.16	395
240	577915	5541089	240.01	0.14	497
250	578019	5541086	250.01	0.17	347
260	578102	5541177	260.01	0.15	720
270	578225	5541091	270.01	0.10	0
280	578332	5541065	280.01	0.10	0
280	578264	5541357	280.02	0.10	0
280	578005	5542395	280.03	0.10	0
290	578428	5541109	290.01	0.10	0
290	578349	5541434	290.02	0.10	0
290	578214	5541972	290.03	0.10	0
290	578159	5542179	290.04	0.10	0
300	578542	5541072	300.01	0.10	0
300	578447	5541439	300.02	0.10	0
300	578294	5542056	300.03	0.10	0
330	578798	5541271	330.01	0.10	0
340	578906	5541232	340.01	0.10	0
350	578842	5541937	350.01	0.10	0
360	578943	5541932	360.01	0.10	0
370	579246	5541129	370.01	0.10	0
380	579384	5540963	380.01	0.13	514
380	579350	5541112	380.02	0.10	0
390	579531	5540806	390.01	0.10	0
390	579467	5541087	390.02	0.13	763
390	579243	5541980	390.03	0.10	0
400	579544	5541189	400.01	0.10	0
400	579378	5541862	400.02	0.10	0
410	579670	5541100	410.01	0.10	0
410	579625	5541295	410.02	0.10	0
420	579664	5541517	420.01	0.10	0
430	579750	5541593	430.01	0.10	0
440	579828	5541694	440.01	0.10	0
450	579895	5541846	450.01	0.10	0
460	579975	5541924	460.01	0.10	0
470	580077	5541948	470.01	0.10	0
580	581343	5541423	580.01	0.10	0
590	581495	5541203	590.01	0.10	0
650	581928	5541952	650.01	0.10	0
830	584093	5540691	830.01	0.39	137
840	584199	5540687	840.01	0.10	0
850	584299	5540719	850.01	0.10	0
860	584346	5540743	860.01	0.10	0
870	584500	5540728	870.01	0.10	0
880	584606	5540720	880.01	0.10	0
920	584623	5542310	920.01	0.10	0
930	584723	5542299	930.01	0.10	0
940	584817	5542336	940.01	0.10	0
950	584930	5542341	950.01	0.10	0
960	585319	5541175	960.01	0.35	335
960	585280	5541350	960.02	0.40	167
960	585012	5542397	960.03	0.10	0

970	585408	5541231	970.01	0.25	339
970	585367	5541375	970.02	0.41	146
970	585106	5542444	970.03	0.10	0
980	585537	5541116	980.01	0.31	188
980	585492	5541306	980.02	0.26	422
980	585460	5541432	980.03	0.33	168
980	585202	5542452	980.04	0.10	0
990	585743	5540720	990.01	0.10	0
990	585649	5541070	990.02	0.28	194
990	585593	5541303	990.03	0.26	360
990	585539	5541534	990.04	0.10	0
990	585285	5542538	990.05	0.10	0
1000	585819	5540756	1000.01	0.10	0
1000	585743	5541088	1000.02	0.36	219
1000	585685	5541353	1000.03	0.31	288
1000	585639	5541546	1000.04	0.36	151
1010	585934	5540790	1010.01	0.24	207
1010	585891	5540963	1010.02	0.27	234
1010	585847	5541137	1010.03	0.32	227
1010	585797	5541343	1010.04	0.30	255
1010	585733	5541602	1010.05	0.10	0
1020	586019	5540809	1020.01	0.22	315
1020	585986	5540957	1020.02	0.28	224
1020	585931	5541177	1020.03	0.28	332
1020	585888	5541354	1020.04	0.33	221
1030	586126	5540839	1030.01	0.31	296
1030	586087	5540977	1030.02	0.33	292
1030	586039	5541159	1030.03	0.27	211
1030	585995	5541352	1030.04	0.35	183
1040	586214	5540845	1040.01	0.35	207
1040	586140	5541183	1040.02	0.31	248
1040	586086	5541405	1040.03	0.10	0
1050	586253	5541134	1050.01	0.42	137
1050	586323	5540856	1050.02	0.10	0
1050	586189	5541418	1050.03	0.10	0
1060	586458	5540747	1060.01	0.10	0
1060	586399	5540973	1060.02	0.10	0
1060	586333	5541241	1060.03	0.36	163
1060	586289	5541413	1060.04	0.44	130
1070	586549	5540786	1070.01	0.10	0
1070	586513	5540926	1070.02	0.10	0
1070	586430	5541273	1070.03	0.10	0
1070	586390	5541436	1070.04	0.48	152
1080	586664	5540757	1080.01	0.10	0
1080	586602	5540997	1080.02	0.10	0
1080	586514	5541326	1080.03	0.32	199
1080	586485	5541459	1080.04	0.39	170
1090	586717	5540997	1090.01	0.10	0
1090	586629	5541311	1090.02	0.10	0
1090	586576	5541503	1090.03	0.10	0
1100	586854	5540755	1100.01	0.10	0
1100	586785	5541036	1100.02	0.10	0
1110	586985	5540751	1110.01	0.10	0
1120	587067	5540731	1120.01	0.10	0
1130	587173	5540748	1130.01	0.34	192
1140	587250	5540826	1140.01	0.37	178
1150	587371	5540808	1150.01	0.40	293
1160	587439	5540843	1160.01	0.48	237
1170	587594	5540741	1170.01	0.33	460
1170	587565	5540855	1170.02	0.42	392
1180	587670	5540808	1180.01	0.40	744

1180	587639	5540926	1180.02	0.49	354
1190	587732	5540993	1190.01	0.42	267
1190	587673	5541232	1190.02	0.41	153
1200	587759	5541301	1200.01	0.48	192
1210	587872	5541319	1210.01	0.48	215
1220	587981	5541215	1220.01	0.38	474
1220	587943	5541354	1220.02	0.36	212
1230	588090	5541221	1230.01	0.40	425
1230	588055	5541374	1230.02	0.52	183
1240	588169	5541278	1240.01	0.33	551
1240	588141	5541413	1240.02	0.40	277
1250	588283	5541315	1250.01	0.34	297
1260	588388	5541259	1260.01	0.46	296
1260	588312	5541568	1260.02	0.10	0
1270	588492	5541258	1270.01	0.41	495
1270	588419	5541535	1270.02	0.40	176
1280	588591	5541313	1280.01	0.38	524
1280	588504	5541607	1280.02	0.42	161
1290	588678	5541350	1290.01	0.34	590
1290	588615	5541623	1290.02	0.37	224
1300	588814	5541223	1300.01	0.10	0
1300	588745	5541479	1300.02	0.36	294
1300	588696	5541676	1300.03	0.41	247
1310	588912	5541258	1310.01	0.10	0
1310	588862	5541440	1310.02	0.30	353
1310	588798	5541693	1310.03	0.43	373
1320	588998	5541295	1320.01	0.10	0
1320	588930	5541582	1320.02	0.45	195
1320	588892	5541746	1320.03	0.46	311
1330	589056	5541528	1330.01	0.45	124
1330	589011	5541675	1330.02	0.52	150
1330	588974	5541797	1330.03	0.51	250
1340	589170	5541428	1340.01	0.10	0
1340	589142	5541555	1340.02	0.37	176
1340	589098	5541752	1340.03	0.50	187
1340	589077	5541845	1340.04	0.47	313
1350	589317	5541271	1350.01	0.10	0
1350	589240	5541572	1350.02	0.10	0
1350	589200	5541731	1350.03	0.10	0
1350	589162	5541889	1350.04	0.35	324
1360	589379	5541429	1360.01	0.35	176
1360	589331	5541611	1360.02	0.10	0
1360	589298	5541768	1360.03	0.55	147
1360	589239	5541993	1360.04	0.44	132
1360	589209	5542099	1360.05	0.10	0
1360	588521	5544869	1360.06	0.10	0
1370	589504	5541321	1370.01	0.10	0
1370	589473	5541439	1370.02	0.45	172
1370	589410	5541711	1370.03	0.48	161
1370	589355	5541938	1370.04	0.44	142
1370	589318	5542093	1370.05	0.48	140
1380	589608	5541316	1380.01	0.10	0
1380	589562	5541507	1380.02	0.28	241
1380	589503	5541753	1380.03	0.33	360
1380	589437	5542001	1380.04	0.34	198
1390	589744	5541241	1390.01	0.53	111
1390	589708	5541364	1390.02	0.10	0
1390	589607	5541725	1390.03	0.33	376
1390	589579	5541850	1390.04	0.40	445
1400	589802	5541282	1400.01	0.39	206
1400	589737	5541640	1400.02	0.37	178

1400	589669	5541894	1400.03	0.42	308
1400	589614	5542121	1400.04	0.10	0
1410	589917	5541354	1410.01	0.48	349
1410	589839	5541664	1410.02	0.10	0
1410	589789	5541870	1410.03	0.30	505
1410	589746	5542050	1410.04	0.10	0
1420	590029	5541263	1420.01	0.31	317
1420	590003	5541388	1420.02	0.46	438
1420	589879	5541871	1420.03	0.35	292
1420	589839	5542031	1420.04	0.40	165
1420	588903	5545799	1420.05	0.56	122
1430	590139	5541268	1430.01	0.46	129
1430	590089	5541455	1430.02	0.45	199
1430	590007	5541774	1430.03	0.10	0
1430	589946	5542034	1430.04	0.10	0
1430	589054	5545654	1430.05	0.47	130
1430	589003	5545859	1430.06	0.10	0
1440	590207	5541395	1440.01	0.10	0
1440	590108	5541797	1440.02	0.10	0
1440	590040	5542063	1440.03	0.10	0
1440	589143	5545658	1440.04	0.10	0
1450	590319	5541369	1450.01	0.10	0
1450	590169	5541983	1450.02	0.10	0
1450	589246	5545667	1450.03	0.70	98
1460	590550	5540857	1460.01	0.10	0
1460	590496	5541068	1460.02	0.32	212
1460	590424	5541350	1460.03	0.10	0
1460	590385	5541506	1460.04	0.10	0
1460	589348	5545667	1460.05	0.10	0
1470	590586	5541148	1470.01	0.34	161
1470	590424	5541789	1470.02	0.10	0
1470	589456	5545673	1470.03	0.72	100
1480	590755	5540876	1480.01	0.10	0
1480	590674	5541176	1480.02	0.10	0
1480	590581	5541547	1480.03	0.46	139
1480	590555	5541664	1480.04	0.10	0
1480	589546	5545677	1480.05	0.10	0
1491	590860	5540852	1491.01	0.10	0
1491	590773	5541192	1491.02	0.10	0
1491	590663	5541609	1491.03	0.40	202
1491	589652	5545701	1491.04	0.58	112
1501	590881	5541182	1501.01	0.28	248
1501	590760	5541653	1501.02	0.10	0
1501	589858	5545278	1501.03	0.10	0
1501	589755	5545688	1501.04	0.45	137
1501	589724	5545807	1501.05	0.43	257
1511	590990	5541152	1511.01	0.10	0
1511	590931	5541379	1511.02	0.10	0
1511	589865	5545665	1511.03	0.10	0
1521	591162	5540873	1521.01	0.10	0
1521	591100	5541126	1521.02	0.10	0
1530	591279	5540810	1530.01	0.10	0
1530	591210	5541097	1530.02	0.10	0
1540	591380	5540840	1540.01	0.10	0
1540	591328	5541080	1540.02	0.10	0
1550	591492	5540784	1550.01	0.10	0
1550	591440	5541006	1550.02	0.10	0
1561	591592	5540796	1561.01	0.10	0
1561	591549	5540971	1561.02	0.53	151
1561	590978	5543264	1561.03	0.10	0
1570	591690	5540812	1570.01	0.10	0

1570	591655	5540950	1570.02	0.10	0
1570	590419	5545942	1570.03	0.10	0
1580	591835	5540661	1580.01	0.10	0
1580	591764	5540943	1580.02	0.10	0
1580	591416	5542324	1580.03	0.10	0
1580	590524	5545943	1580.04	0.10	0
1590	591953	5540592	1590.01	0.10	0
1590	591860	5540961	1590.02	0.10	0
1590	590639	5545872	1590.03	0.10	0
1590	590563	5546171	1590.04	0.10	0
1600	592037	5540671	1600.01	0.29	170
1600	591975	5540917	1600.02	0.10	0
1600	590736	5545893	1600.03	0.10	0
1610	592158	5540597	1610.01	0.10	0
1610	592103	5540827	1610.02	0.10	0
1610	590855	5545838	1610.03	0.10	0
1610	590793	5546080	1610.04	0.10	0
1620	592273	5540542	1620.01	0.59	142
1620	592204	5540830	1620.02	0.10	0
1620	590947	5545913	1620.03	0.10	0
1620	590745	5546667	1620.04	0.10	0
1630	592409	5540414	1630.01	0.10	0
1630	592370	5540631	1630.02	0.10	0
1630	592286	5540931	1630.03	0.10	0
1630	591034	5545944	1630.04	0.31	361
1640	592445	5540718	1640.01	0.10	0
1640	592037	5542338	1640.02	0.10	0
1640	591148	5545890	1640.03	0.10	0
1640	591091	5546119	1640.04	0.10	0
1650	592520	5540815	1650.01	0.10	0
1650	592076	5542591	1650.02	0.10	0
1650	591274	5545777	1650.03	0.10	0
1650	591164	5546262	1650.04	0.10	0
1660	592264	5542280	1660.01	0.10	0
1660	591388	5545767	1660.02	0.10	0
1660	591250	5546293	1660.03	0.30	317
1660	591163	5546669	1660.04	0.10	0
1670	592349	5542329	1670.01	0.10	0
1670	591479	5545807	1670.02	0.10	0
1670	591382	5546202	1670.03	0.10	0
1670	591325	5546457	1670.04	0.10	0
1680	592431	5542392	1680.01	0.10	0
1680	591420	5546463	1680.02	0.32	374
1680	591380	5546591	1680.03	0.10	0
1690	591509	5546509	1690.01	0.32	167
1700	591614	5546509	1700.01	0.10	0
1710	591695	5546591	1710.01	0.10	0
1720	591868	5546303	1720.01	0.10	0
1730	591971	5546324	1730.01	0.10	0
1740	592056	5546372	1740.01	0.10	0
1760	592229	5546525	1760.01	0.10	0
1900	594532	5542823	1900.01	0.10	0
1910	594614	5542839	1910.01	0.39	216
1920	594786	5542942	1920.01	0.10	0
1930	594810	5543131	1930.01	0.10	0
1940	594868	5543362	1940.01	0.10	0
1950	595101	5542888	1950.01	0.10	0
1950	594928	5543532	1950.02	0.10	0
1960	594992	5543673	1960.01	0.10	0
1970	595020	5543886	1970.01	0.10	0
1980	595125	5544029	1980.01	0.10	0

1990	595166	5544212	1990.01	0.10	0
2000	595250	5544338	2000.01	0.10	0
2010	595260	5544682	2010.01	0.10	0
2020	595354	5544733	2020.01	0.10	0
2030	595437	5544799	2030.01	0.10	0
2040	595507	5544968	2040.01	0.10	0
2050	595521	5545307	2050.01	0.10	0
2060	595602	5545430	2060.01	0.10	0
2060	595502	5545799	2060.02	0.10	0
2070	595705	5545341	2070.01	0.10	0
2070	595576	5545926	2070.02	0.10	0
2080	595753	5545662	2080.01	0.10	0
2090	595798	5545830	2090.01	0.10	0
2100	595878	5545948	2100.01	0.10	0
2110	595935	5546113	2110.01	0.10	0
2120	596012	5546234	2120.01	0.10	0
2130	596078	5546329	2130.01	0.10	0
2140	596136	5546554	2140.01	0.10	0
2150	596194	5546756	2150.01	0.10	0
2160	596282	5546897	2160.01	0.10	0
2170	596336	5546980	2170.01	0.10	0
2180	596412	5547138	2180.01	0.10	0
2190	596460	5547337	2190.01	0.10	0
2200	596532	5547471	2200.01	0.10	0
2200	595685	5550863	2200.02	0.10	0
2210	596585	5547662	2210.01	0.10	0
2220	596655	5547803	2220.01	0.10	0
2230	596711	5547991	2230.01	0.10	0
2240	596795	5548083	2240.01	0.10	0
2250	596853	5548201	2250.01	0.10	0
2260	596935	5548363	2260.01	0.10	0
2270	596981	5548536	2270.01	0.10	0
2280	597055	5548686	2280.01	0.10	0
2290	597102	5548870	2290.01	0.10	0
2300	597183	5549000	2300.01	0.10	0
2310	597231	5549187	2310.01	0.10	0
2320	597308	5549259	2320.01	0.10	0
2330	597361	5549459	2330.01	0.10	0
2340	597439	5549589	2340.01	0.10	0
2350	597499	5549751	2350.01	0.10	0
2360	597564	5549940	2360.01	0.10	0
2370	597632	5550053	2370.01	0.10	0
2380	597701	5550262	2380.01	0.10	0
2390	597735	5550419	2390.01	0.10	0
2400	597834	5550532	2400.01	0.10	0
2410	597880	5550652	2410.01	0.10	0
2420	597965	5550848	2420.01	0.10	0
2430	599192	5546276	2430.01	0.10	0
2430	598009	5550938	2430.02	0.10	0
2440	598085	5551176	2440.01	0.10	0
2440	597624	5552995	2440.02	0.10	0
2450	598134	5551304	2450.01	0.10	0
2460	598232	5551410	2460.01	0.10	0
2470	598279	5551573	2470.01	0.10	0
2470	597409	5555106	2470.02	0.10	0
2480	598363	5551753	2480.01	0.10	0
2490	598407	5551889	2490.01	0.10	0
2490	597398	5555954	2490.02	0.42	336
2502	598489	5552012	2502.01	0.10	0
2502	597628	5555425	2502.02	0.10	0
2502	597498	5556007	2502.03	0.55	414

2510	598556	5552088	2510.01	0.10	0
2510	597592	5556005	2510.02	0.38	411
2521	598645	5552197	2521.01	0.10	0
2521	597679	5556101	2521.02	0.25	227
2531	598721	5552299	2531.01	0.10	0
2531	597897	5555598	2531.02	0.10	0
2531	597753	5556189	2531.03	0.35	183
2540	598804	5552405	2540.01	0.10	0
2540	597849	5556240	2540.02	0.10	0
2540	597781	5556516	2540.03	0.10	0
2550	598877	5552482	2550.01	0.10	0
2550	597941	5556248	2550.02	0.10	0
2550	597880	5556490	2550.03	0.10	0
2550	597796	5556858	2550.04	0.10	0
2560	598957	5552635	2560.01	0.10	0
2560	598751	5553408	2560.02	0.10	0
2560	598016	5556354	2560.03	0.10	0
2560	597961	5556597	2560.04	0.10	0
2570	599030	5552716	2570.01	0.10	0
2570	598239	5555875	2570.02	0.10	0
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2580	598163	5556615	2580.04	0.10	0
2590	599191	5552899	2590.01	0.10	0
2590	598430	5555951	2590.02	0.10	0
2590	598286	5556510	2590.03	0.26	191
2600	599263	5552980	2600.01	0.10	0
2600	598507	5556040	2600.02	0.10	0
2600	598376	5556558	2600.03	0.10	0
2600	598338	5556715	2600.04	0.10	0
2600	598295	5556903	2600.05	0.10	0
2610	600838	5547097	2610.01	0.10	0
2610	599348	5553079	2610.02	0.10	0
2610	598607	5556072	2610.03	0.10	0
2610	598474	5556607	2610.04	0.47	120
2610	598444	5556742	2610.05	0.10	0
2610	598392	5556974	2610.06	0.10	0
2620	599430	5553188	2620.01	0.10	0
2620	599078	5554580	2620.02	0.10	0
2620	598687	5556152	2620.03	0.10	0
2620	598573	5556609	2620.04	0.49	142
2620	598525	5556804	2620.05	0.10	0
2620	598468	5557032	2620.06	0.10	0
2630	600927	5547589	2630.01	0.26	209
2630	599519	5553252	2630.02	0.10	0
2630	598784	5556143	2630.03	0.10	0
2630	598684	5556577	2630.04	0.44	336
2630	598638	5556789	2630.05	0.10	0
2630	598581	5557036	2630.06	0.10	0
2640	600972	5547791	2640.01	0.10	0
2640	599594	5553353	2640.02	0.10	0
2640	598785	5556579	2640.03	0.45	383
2640	598711	5556880	2640.04	0.10	0
2640	598671	5557048	2640.05	0.10	0
2651	599814	5552900	2651.01	0.10	0
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2651	598890	5556615	2651.03	0.47	159
2651	598806	5556947	2651.04	0.10	0

2651	598767	5557101	2651.05	0.10	0
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2661	599748	5553615	2661.02	0.10	0
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2670	599934	5553210	2670.01	0.48	127
2670	599884	5553414	2670.02	0.35	576
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2680	600225	5552485	2680.01	0.10	0
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2680	599896	5553802	2680.03	0.10	0
2680	599078	5557085	2680.04	0.10	0
2690	600334	5552456	2690.01	0.21	381
2690	599989	5553829	2690.02	0.10	0
2700	600442	5552424	2700.01	0.10	0
2700	600080	5553899	2700.02	0.10	0
2700	599283	5557108	2700.03	0.10	0
2710	600567	5552351	2710.01	0.40	165
2710	600152	5554012	2710.02	0.10	0
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2720	600226	5554114	2720.03	0.10	0
2730	600868	5551952	2730.01	0.10	0
2730	600794	5552249	2730.02	0.53	116
2730	600317	5554189	2730.03	0.10	0
2740	600983	5551913	2740.01	0.57	124
2740	600386	5554340	2740.02	0.10	0
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2770	600155	5556453	2770.03	0.10	0
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2790	600789	5554761	2790.01	0.10	0
2800	600863	5554899	2800.01	0.10	0
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2820	601011	5555099	2820.01	0.10	0
2830	601094	5555183	2830.01	0.10	0
2840	601186	5555240	2840.01	0.10	0
2850	601255	5555430	2850.01	0.10	0
2860	601334	5555495	2860.01	0.10	0
2870	601420	5555565	2870.01	0.10	0
2880	601503	5555656	2880.01	0.10	0
2890	601583	5555732	2890.01	0.10	0
2900	601664	5555809	2900.01	0.10	0
2910	601719	5556004	2910.01	0.10	0
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2920	601824	5555982	2920.02	0.10	0
2930	602361	5554247	2930.01	0.10	0
2930	602268	5554638	2930.02	0.10	0
2930	601898	5556113	2930.03	0.10	0
2940	602117	5555635	2940.01	0.10	0
2940	601972	5556220	2940.02	0.10	0
2950	602566	5554252	2950.01	0.10	0
2950	602477	5554610	2950.02	0.10	0
2950	602205	5555702	2950.03	0.10	0
2950	602049	5556324	2950.04	0.10	0
2960	602665	5554243	2960.01	0.10	0
2960	602565	5554663	2960.02	0.10	0
2960	602483	5554993	2960.03	0.10	0
2960	602142	5556385	2960.04	0.10	0

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2971	602574	5555051	2971.02	0.10	0
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2980	602783	5554623	2980.01	0.10	0
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2980	602667	5555089	2980.03	0.10	0
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2990	602830	5554832	2990.02	0.10	0
2990	602510	5556135	2990.03	0.10	0
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2990	601925	5558510	2990.05	0.10	0
3001	602952	5554758	3001.01	0.10	0
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3020	602510	5557369	3020.02	0.10	0
3030	603331	5554552	3030.01	0.10	0
3030	602683	5557086	3030.02	0.10	0
3040	602770	5557161	3040.01	0.10	0
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3060	602931	5557351	3060.01	0.10	0
3070	602996	5557482	3070.01	0.10	0
3080	603072	5557583	3080.01	0.10	0
3080	602891	5558382	3080.02	0.10	0
3090	603392	5556829	3090.01	0.10	0
3090	603154	5557669	3090.02	0.10	0
3090	602954	5558361	3090.03	0.26	344
3100	603217	5558049	3100.01	0.22	363
3110	603310	5557888	3110.01	0.29	271
3120	603418	5557858	3120.01	0.10	0
3120	603260	5558507	3120.02	0.10	0
3130	603339	5558569	3130.01	0.10	0
3140	603460	5558530	3140.01	0.10	0
3190	604072	5558106	3190.01	0.10	0
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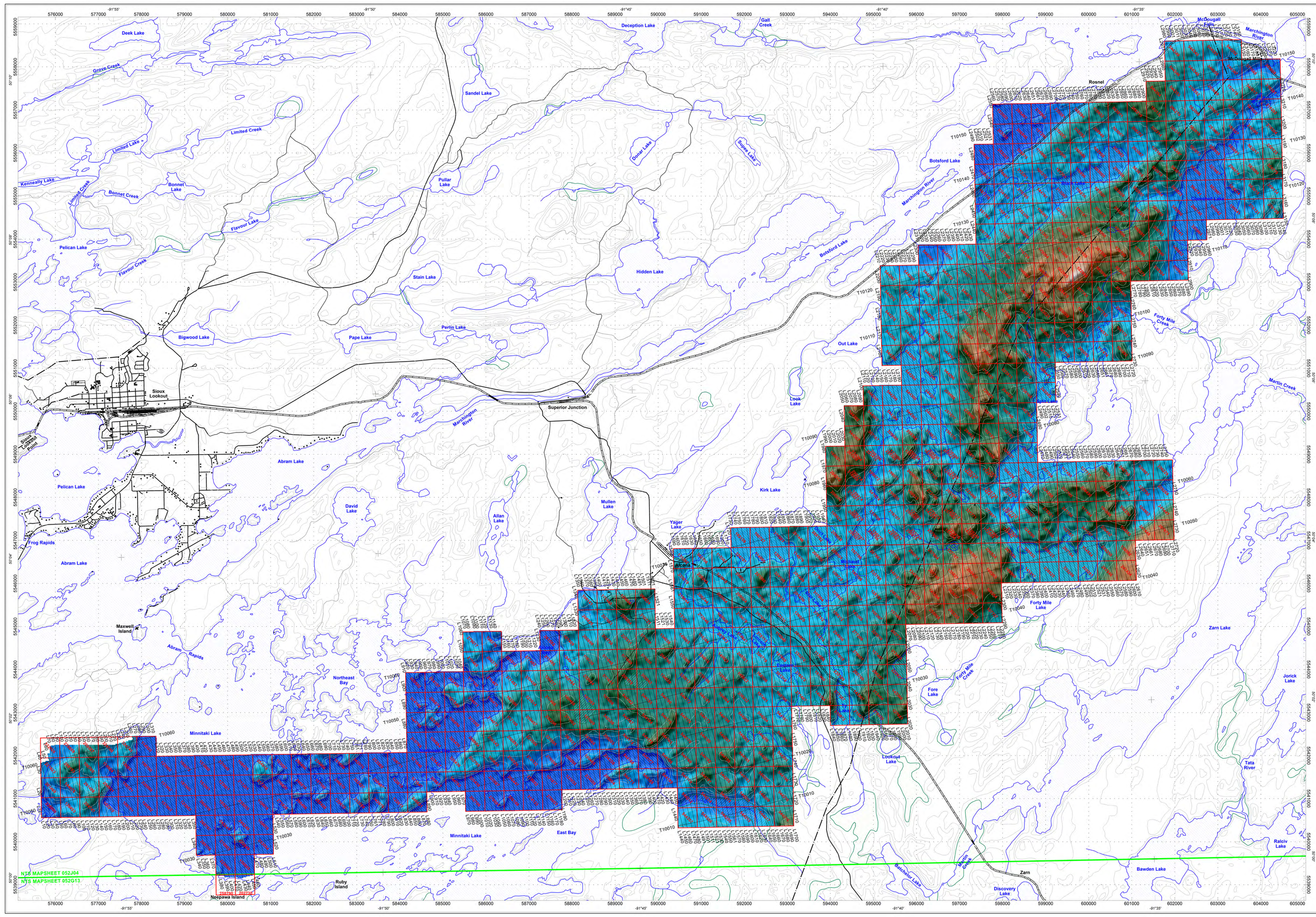


Legend

- Topographic contours (15m)
- Building
- Bridge
- Power Line
- Railway
- Road, trail
- Wetland
- Water body
- Water stream
- Mineral license

Survey Specifications

Line spacing & orientation	: 100 m & N166
Tie-line spacing & orientation	: 1000 m & N076
Average survey speed	: 29.2 m/s
Average helicopter height	: 91 m
Average Mag height	: 66 m
Average TDEM Tx height	: 41 m
Sampling rate	: 10 Hz

Instrumentations

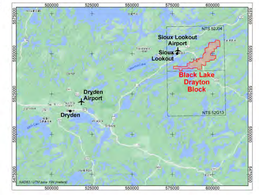
Helicopter	: Eurocopter EC120B
Navigation&Acquisition	: PicoEnvirotec AGIS
Real-Time DGPS	: Omnistar
Magnetometer	: Geometrics G-822A
TDEM System	: ProspecTEM
Tx base frequency	: 30 Hz
Moment dipole	: 150000 NIA

Digital Elevation Model
(meters)

356 362 368 374 380 386 392 398 404 410 416 422 428 434 440

Scale 1:30000

500 0 500 1000 1500 2000
(meters)
NAD83/CSRS(i) / UTM zone 15N



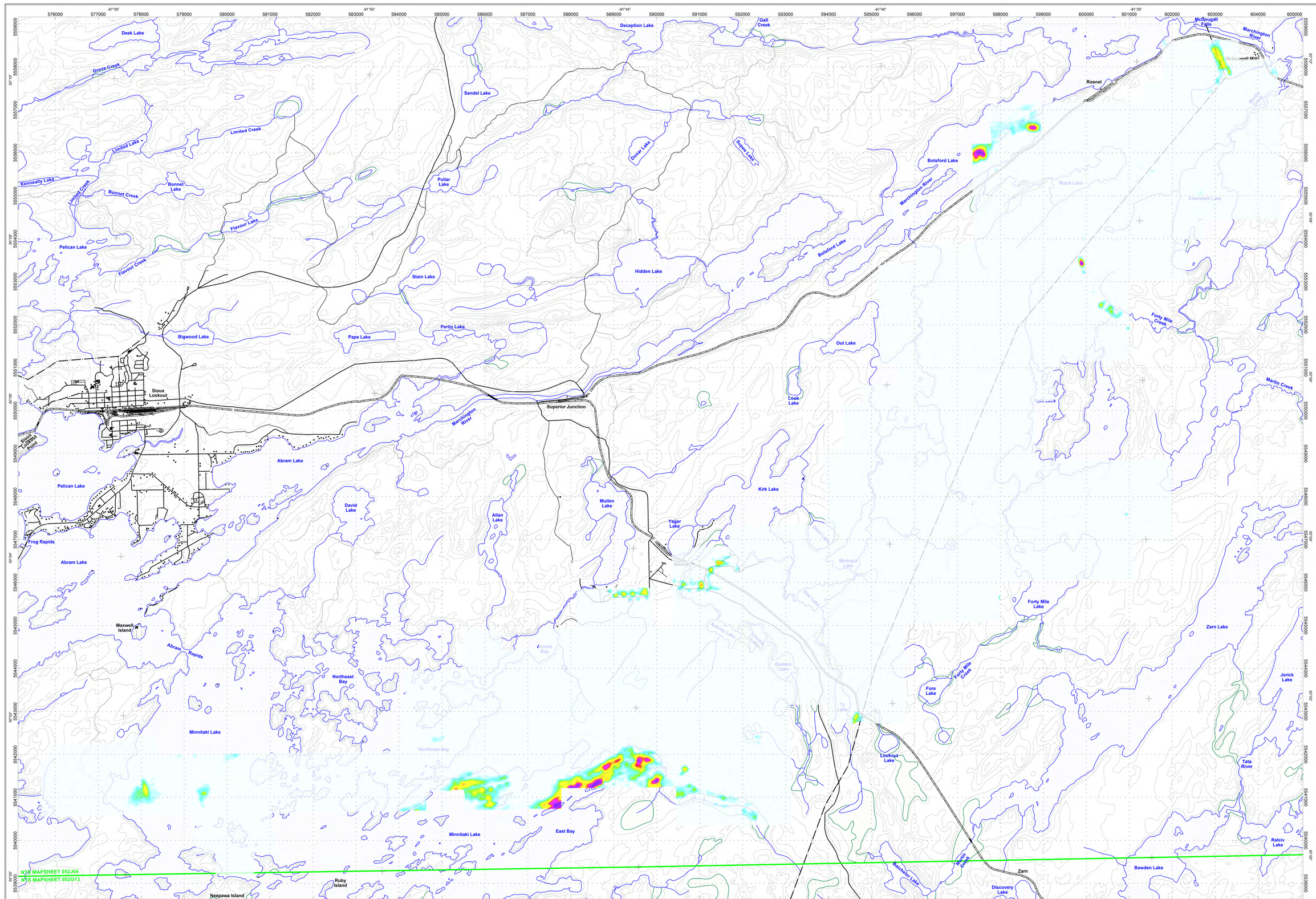
HERITAGE MINING LTD.
Black Lake Drayton Project, Ontario, 2022

DIGITAL ELEVATION MODEL WITH FLIGHT PATH AND PROPERTY CLAIMS

MAGNETIC AND TDEM HELIBORNE SURVEY

Flown by : PROSPECTAIR Geosurveys

Compiled by : *Joël Dubé, P.Eng.*
Dynamic Discovery Geoscience



Legend

- Topographic contours (15m)
- Building
- Bridge
- Power Line
- Railway
- Road, trail
- Wetland
- Water body
- Water stream
- Mineral license

Survey Specifications

Line spacing & orientation	: 100 m & N166
Tie-line spacing & orientation	: 1000 m & N076
Average survey speed	: 29.2 m/s
Average helicopter height	: 91 m
Average Mag height	: 66 m
Average TDEM Tx height	: 41 m
Sampling rate	: 10 Hz

Instrumentations

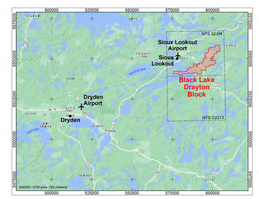
Helicopter	: Eurocopter EC120B
Navigation&Acquisition	: PicoEnvirotec AGIS
Real-Time DGPS	: Omnistar
Magnetometer	: Geometrics G-822A
TDEM System	: ProspecTEM
Tx base frequency	: 30 Hz
Moment dipole	: 150000 NIA

Early Off-Time - Channel 13
(nT/s)

44 61 78 95 112 130 147 164 181 198 216 233

Scale 1:30000

500 0 500 1000 1500 2000
(meters)
NAD83/CSRS(2) / UTM zone 15N



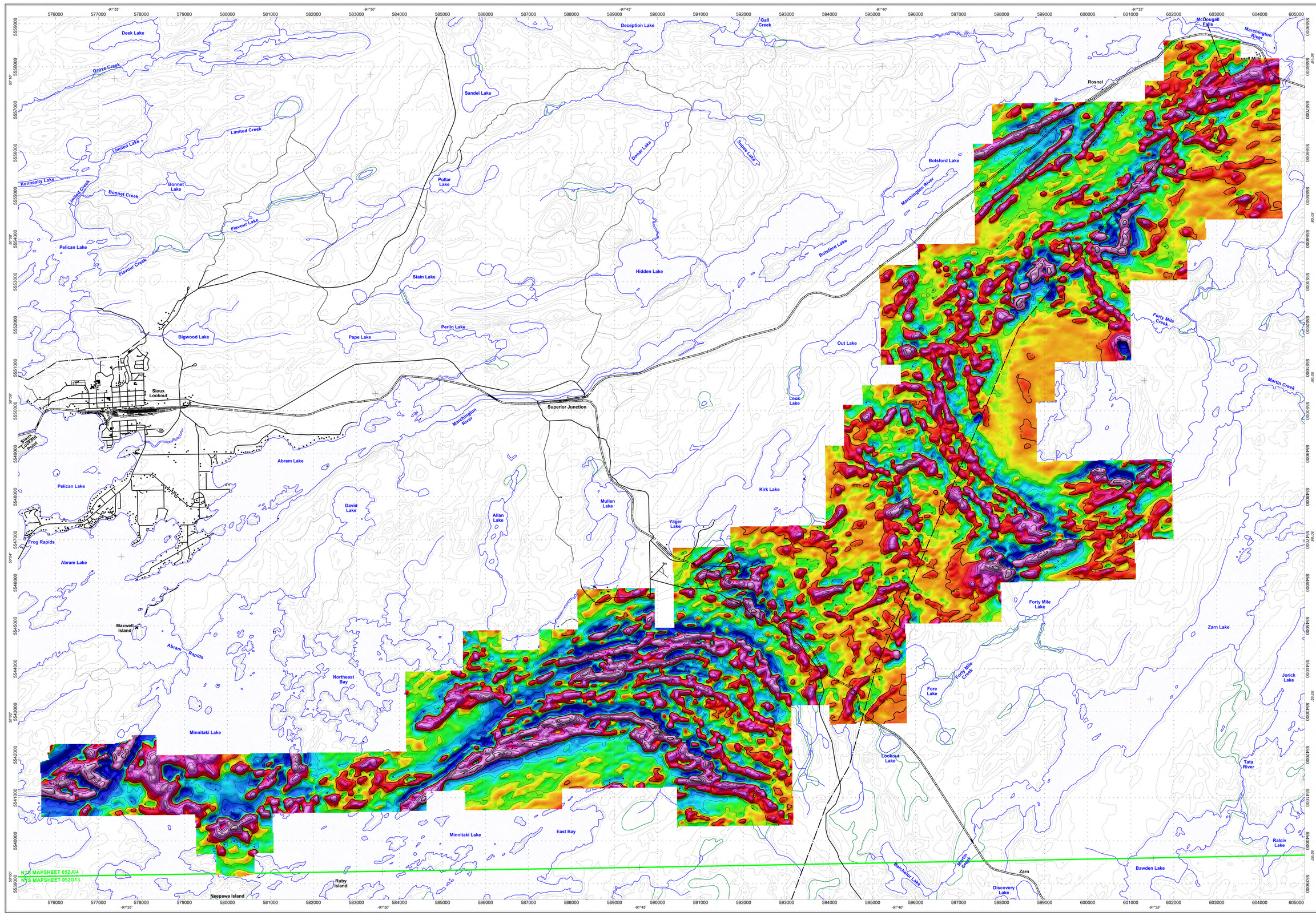
HERITAGE MINING LTD.
Black Lake Drayton Project, Ontario, 2022

EARLY OFF-TIME TDEM RESPONSE

MAGNETIC AND TDEM HELIBORNE SURVEY

Flown by : PROSPECTAIR Geosurveys

Compiled by : *Joël Dubé, P.Eng.*
Dynamic Discovery Geoscience



Contours

Level 1	: 0.25 nT/m
Level 2	: 1 nT/m
Level 3	: 5 nT/m

Legend

- Topographic contours (15m)
- Building
- Bridge
- Power Line
- Railway
- Road, trail
- Wetland
- Water body
- Water stream
- Mineral license

Survey Specifications

Line spacing & orientation	: 100 m & N166
Tie-line spacing & orientation	: 1000 m & N076
Average survey speed	: 29.2 m/s
Average helicopter height	: 91 m
Average Mag height	: 66 m
Average TDEM Tx height	: 41 m
Sampling rate	: 10 Hz

Instrumentations

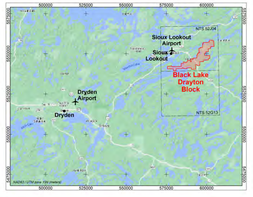
Helicopter	: Eurocopter EC120B
Navigation&Acquisition	: PicoEnvirotec AGIS
Real-Time DGPS	: Omnistar
Magnetometer	: Geometrics G-822A
TDEM System	: ProspecTEM
Tx base frequency	: 30 Hz
Moment dipole	: 150000 NIA

First Vertical Derivative of the TMI
(nT/m)

-2.12 -0.65 -0.43 -0.32 -0.24 -0.17 -0.11 -0.03 0.10 0.32 0.77 1.94

Scale 1:30000

500 0 500 1000 1500 2000
(meters)
NAD83/CSRS(1) / UTM zone 15V



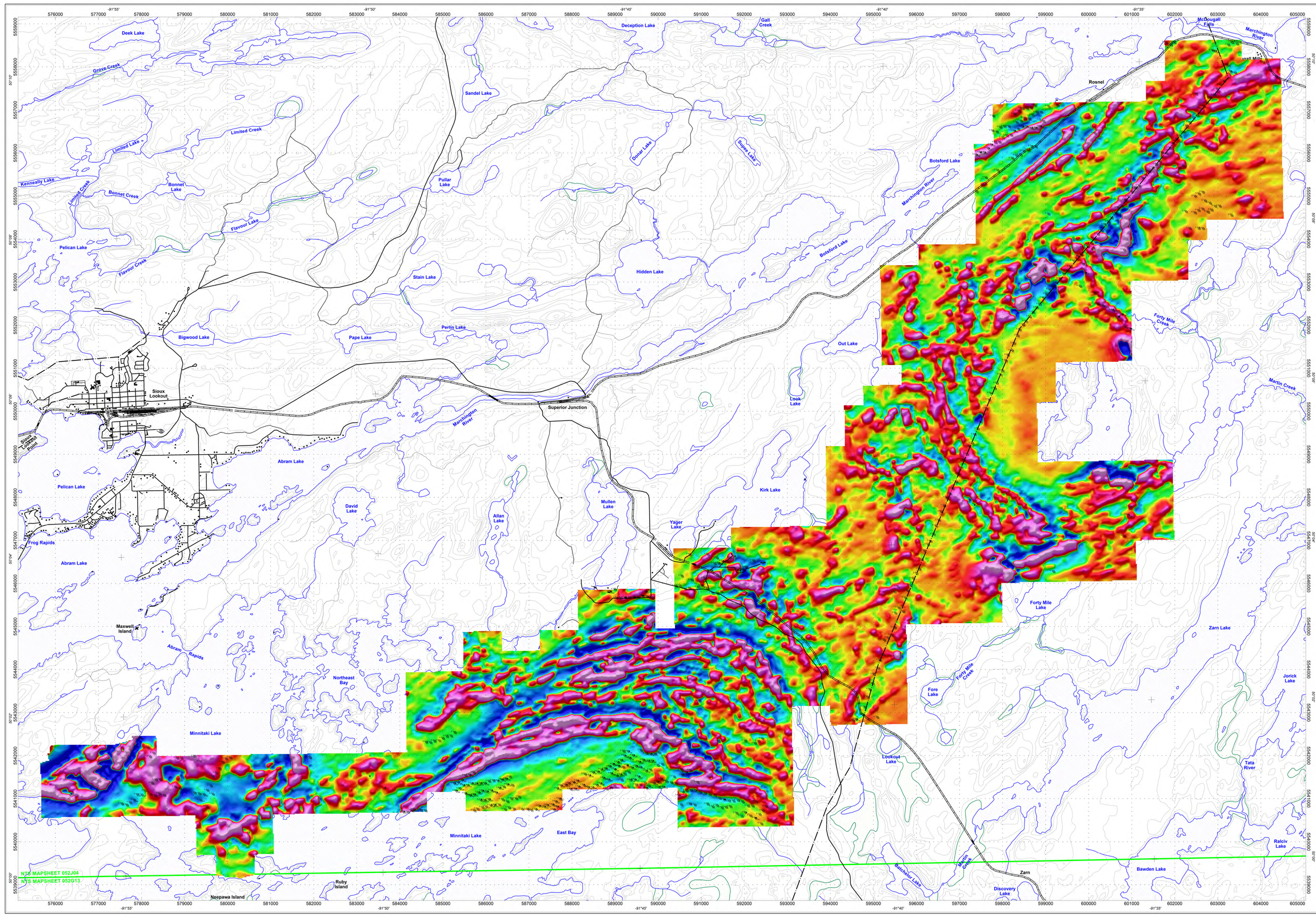
HERITAGE MINING LTD.
Black Lake Drayton Project, Ontario, 2022

FIRST VERTICAL DERIVATIVE OF THE TMI

MAGNETIC AND TDEM HELIBORNE SURVEY

Flown by : PROSPECTAIR Geosurveys

Compiled by : *Joël Dubé, P.Eng.*
Dynamic Discovery Geoscience



TDEM legend

- Tau < 0.25 msec
- 0.25 ms < Tau < 0.50 ms
- 0.50 ms < Tau < 0.75 ms
- 0.75 ms < Tau < 1.00 ms
- 1.00 ms < Tau

Tau (msec)

Amplitude at zero delay (nT/s)

Legend

- Topographic contours (15m)
- Building
- Bridge
- Power Line
- Railway
- Road, trail
- Wetland
- Water body
- Water stream
- Mineral license

Survey Specifications

Line spacing & orientation	: 100 m & N166
Tie-line spacing & orientation	: 1000 m & N076
Average survey speed	: 29.2 m/s
Average helicopter height	: 91 m
Average Mag height	: 66 m
Average TDEM Tx height	: 41 m
Sampling rate	: 10 Hz

Instrumentations

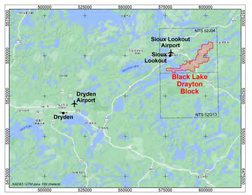
Helicopter	: Eurocopter EC120B
Navigation&Acquisition	: PicoEnvirotec AGIS
Real-Time DGPS	: Omnistar
Magnetometer	: Geometrics G-822A
TDEM System	: ProspecTEM
Tx base frequency	: 30 Hz
Moment dipole	: 150000 NIA

First Vertical Derivative of the TMI
(nT/m)

-2.12 -0.65 -0.43 -0.32 -0.24 -0.17 -0.11 -0.03 0.10 0.32 0.77 1.94

Scale 1:30000

500 0 500 1000 1500 2000
(meters)
NAD83/CSRS) / UTM zone 15N



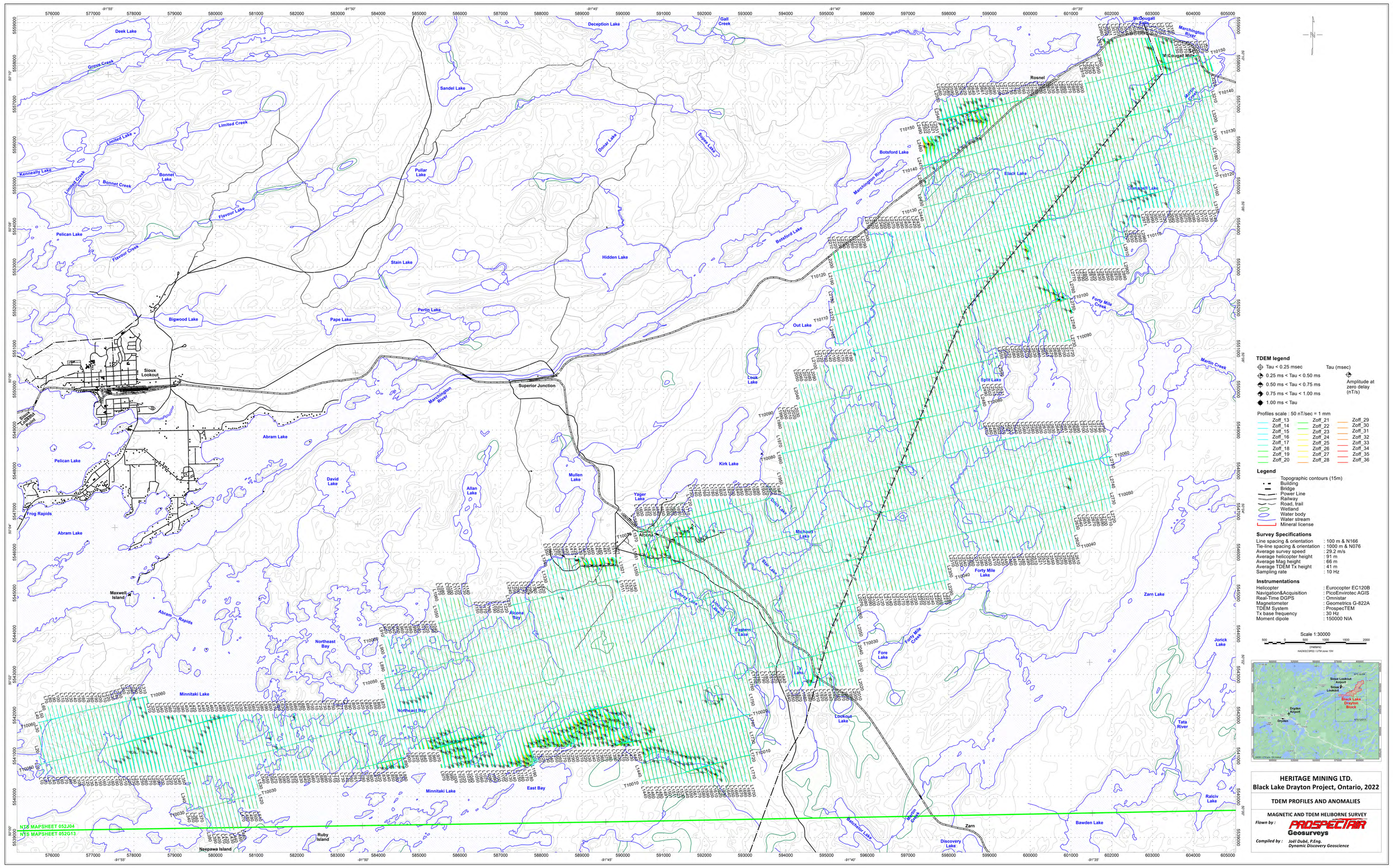
HERITAGE MINING LTD.
Black Lake Drayton Project, Ontario, 2022

FIRST VERTICAL DERIVATIVE OF THE TMI WITH TDEM ANOMALIES

MAGNETIC AND TDEM HELIBORNE SURVEY

Flown by : PROSPECTAIR Geosurveys

Compiled by : *Joël Dubé, P.Eng.* *Dynamic Discovery Geoscience*



TDEM legend

- Tau < 0.25 msec
- 0.25 ms < Tau < 0.50 ms
- 0.50 ms < Tau < 0.75 ms
- 0.75 ms < Tau < 1.00 ms
- 1.00 ms < Tau

Tau (msec)

Amplitude at zero delay (nT/s)

Profiles scale : 50 nT/sec = 1 mm

Zoff_13	Zoff_21	Zoff_29
Zoff_14	Zoff_22	Zoff_30
Zoff_15	Zoff_23	Zoff_31
Zoff_16	Zoff_24	Zoff_32
Zoff_17	Zoff_25	Zoff_33
Zoff_18	Zoff_26	Zoff_34
Zoff_19	Zoff_27	Zoff_35
Zoff_20	Zoff_28	Zoff_36

Legend

- Topographic contours (15m)
- Building
- Bridge
- Power Line
- Railway
- Road, trail
- Wetland
- Water body
- Water stream
- Mineral license

Survey Specifications

Line spacing & orientation	: 100 m & N166
Tie-line spacing & orientation	: 1000 m & N076
Average survey speed	: 29.2 m/s
Average helicopter height	: 91 m
Average Mag height	: 66 m
Average TDEM Tx height	: 41 m
Sampling rate	: 10 Hz

Instrumentations

Helicopter	: Eurocopter EC120B
Navigation&Acquisition	: PicoEnvirotec AGIS
Real-Time DGPS	: Omnistar
Magnetometer	: Geometrics G-822A
TDEM System	: ProspecTEM
Tx base frequency	: 30 Hz
Moment dipole	: 150000 NIA

Scale 1:30000

500 0 500 1000 1500 2000 (meters)

NAD83/CSRS(98) / UTM zone 15N

HERITAGE MINING LTD.

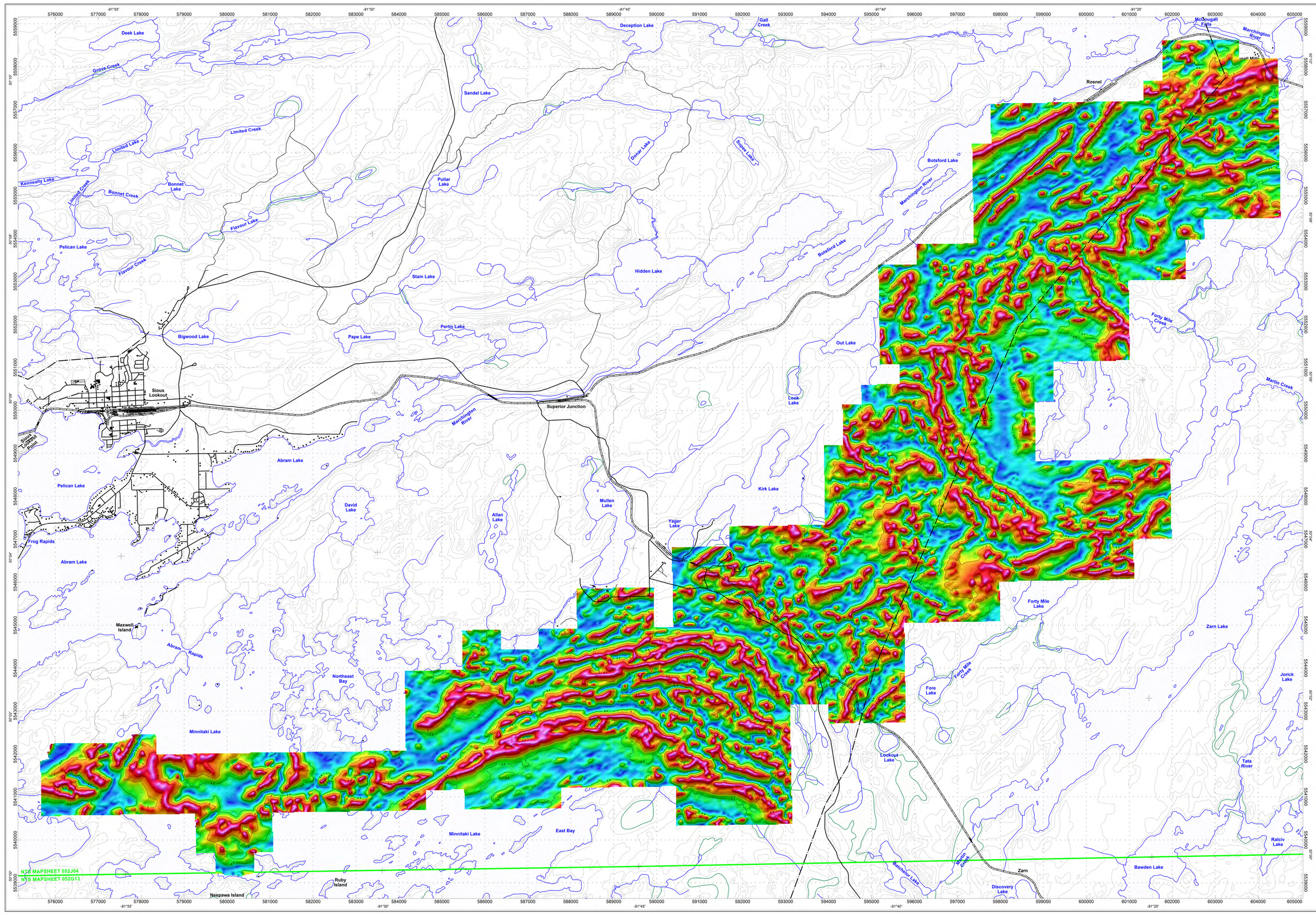
Black Lake Drayton Project, Ontario, 2022

TDEM PROFILES AND ANOMALIES

MAGNETIC AND TDEM HELIBORNE SURVEY

Flown by : PROSPECTAIR Geosurveys

Compiled by : *Joël Dubé, P.Eng.* *Dynamic Discovery Geoscience*



Contours
Level 1 : 45 degrees

Legend
- Topographic contours (15m)
- Building
- Bridge
- Power Line
- Railway
- Road, trail
- Wetland
- Water body
- Water stream
- Mineral license

Survey Specifications

Line spacing & orientation	: 100 m & N166
Tie-line spacing & orientation	: 1000 m & N076
Average survey speed	: 29.2 m/s
Average helicopter height	: 91 m
Average Mag height	: 66 m
Average TDEM Tx height	: 41 m
Sampling rate	: 10 Hz

Instrumentations

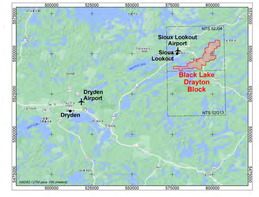
Helicopter	: Eurocopter EC120B
Navigation&Acquisition	: PicoEnvirotec AGIS
Real-Time DGPS	: Omnistar
Magnetometer	: Geometrics G-822A
TDEM System	: ProspecTEM
Tx base frequency	: 30 Hz
Moment dipole	: 150000 NIA

Tilt Angle Derivative
(degrees)

-89 -78 -67 -55 -44 -33 -21 -10 1 7 12 22 31 40 49 58 67 77 86

Scale 1:30000

500 0 500 1000 1500 2000
(meters)
NAD83/CSRS(i) / UTM zone 15N



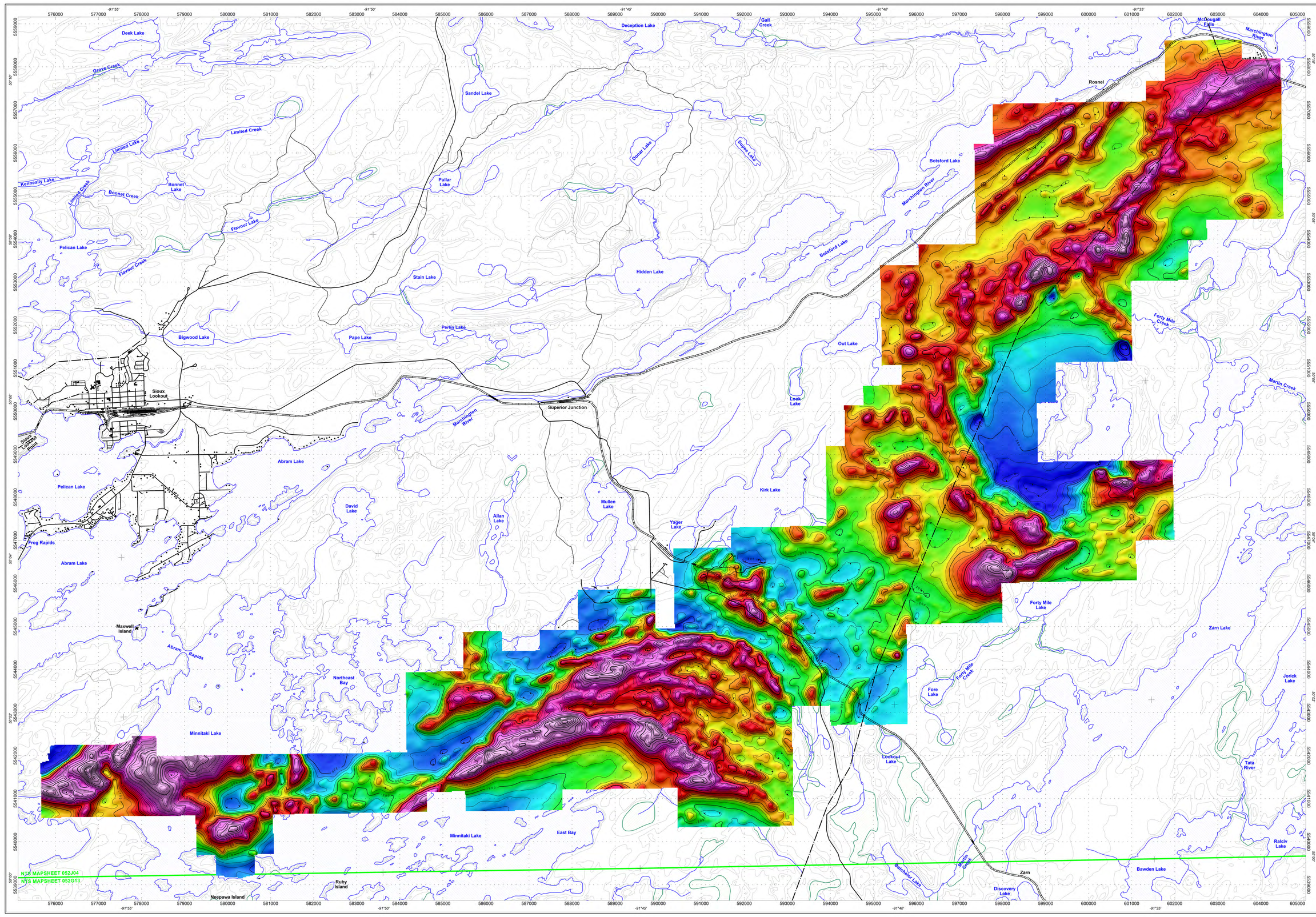
HERITAGE MINING LTD.
Black Lake Drayton Project, Ontario, 2022

TILT ANGLE DERIVATIVE

MAGNETIC AND TDEM HELIBORNE SURVEY

Flown by : PROSPECTAIR Geosurveys

Compiled by : *Joël Dubé, P.Eng.*
Dynamic Discovery Geoscience



Contours

Level 1	: 25 nT
Level 2	: 100 nT
Level 3	: 500 nT

Legend

- Topographic contours (15m)
- Building
- Bridge
- Power Line
- Railway
- Road, trail
- Wetland
- Water body
- Water stream
- Mineral license

Survey Specifications

Line spacing & orientation	: 100 m & N166
Tie-line spacing & orientation	: 1000 m & N076
Average survey speed	: 29.2 m/s
Average helicopter height	: 91 m
Average Mag height	: 66 m
Average TDEM Tx height	: 41 m
Sampling rate	: 10 Hz

Instrumentations

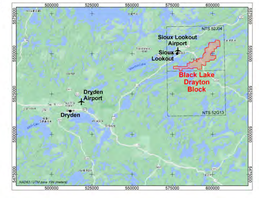
Helicopter	: Eurocopter EC120B
Navigation&Acquisition	: PicoEnvirotec AGIS
Real-Time DGPS	: Omnistar
Magnetometer	: Geometrics G-822A
TDEM System	: ProspecTEM
Tx base frequency	: 30 Hz
Moment dipole	: 150000 NIA

Residual Total Magnetic Intensity
(nT)

-360 -259 -227 -197 -171 -151 -131 -109 -83 -58 -26 20 77 174 546

Scale 1:30000

500 0 500 1000 1500 2000
(meters)
NAD83/CSRS(2) / UTM zone 15N



HERITAGE MINING LTD.
Black Lake Drayton Project, Ontario, 2022

RESIDUAL TOTAL MAGNETIC INTENSITY

MAGNETIC AND TDEM HELIBORNE SURVEY

Flown by : PROSPECTAIR Geosurveys

Compiled by : *Joël Dubé, P.Eng.*
Dynamic Discovery Geoscience

APPENDIX VI – GRAB SAMPLE MAPS

600000 601000 602000 603000

5557000

5556000

N

SHARRON LAKE AREA

52J04H028 544354 | 9095 | 9144 9146 | 544353 52J04H029 | 216392 52J04H030 | 263609 52J04H031 | 151619 52J04H032 | 342617 52J04H033

9093 9094 | 9097 | 9096 | 9261 | 9219 9262 9267 | 9220 | 9266 | 9221 | 181025 52J04H053

52J04H044 328094 | 116632 52J04H045 | 583011 52J04H046 | 52J04H047 266219 | 9147 | 183132 52J04H048 | 266218 52J04H049 | 583006 52J04H050 | 205574 52J04H051 | 123094 52J04H052

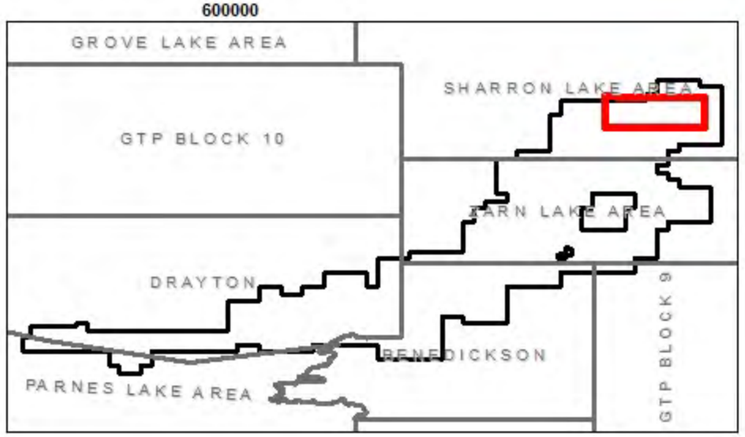
52J04H064 232282 | 260948 52J04H065 | 583007 52J04H066 | 208272 52J04H067 | 322314 52J04H068 | 322313 52J04H069 | 583018 52J04H070 | 283690 52J04H071 | 181027 52J04H072 | 216395 52J04H073

9150 | 9265 | 9264 | 9263 | 52J04H088 125190 | 218497 52J04H089 | 583013 52J04H090 | 582959 52J04H091 | 582991 52J04H092 | 583017 52J04H093

52J04H084 260949 | 582958 52J04H085 | 582992 52J04H086 | 293067 52J04H087 | 9073 9074 | 9072 | 9153 | 9154

9268 | 116890 52J04H104 | 583005 52J04H105 | 297008 52J04H106 | 583016 52J04H107 | 583019 52J04H108 | 583012 52J04H109 | 9155 | 583000 52J04H110 | 223667 52J04H111 | 296974 52J04H112 | 583009 52J04H113

600000 601000 602000 603000



HERITAGE MINING LTD

Drayton-Black Lake Project

2022 Grab Sample Map - A
Sharron Lake Area

1:10,000	NAD83 UTM 15N
B.Clark 2023	Clark Geoservices Inc.

0 0.5 1 Kilometers

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township
- Roads
- Contour
- Waterbody
- Watercourse

Grab Sample - Au ppm

- <0.5
- 0.5 - 1.5
- 1.5 - 5
- 5 - 10
- >10

598000 599000 600000 601000 602000

N

303355 52J04G080 | 206845 52J04H061 | 151293 52J04H062 | 232283 52J04H063 | 232282 52J04H064 | 260948 52J04H065 | 583007 52J04H066 | 208272 52J04H067 | 322314 52J04H068 | 52J04H069 322313

9142 9143 9141 9092 9090 9089 9010 9004 9157 9282 9018 9150 9265 9264 9263 9153 9154 9073 9074 9072 9268 9155 9229 9228 9281 9156 9283 9230 9012 9284 9285 9231 9286 9163 9083 9080 9081 9227

52J04G100 282283 | 328875 52J04H081 | 116889 52J04H082 | 281000 52J04H083 | 260949 52J04H084 | 582958 52J04H085 | 582992 52J04H086 | 293067 52J04H087 | 52J04H088 125190 | 52J04H089 218497

SHARRON LAKE AREA

52J04G120 116891 | 313361 52J04H101 | 100270 52J04H102 | 121701 52J04H103 | 116890 52J04H104 | 583005 52J04H105 | 297008 52J04H106 | 583016 52J04H107 | 583019 52J04H108 | 52J04H109 583012

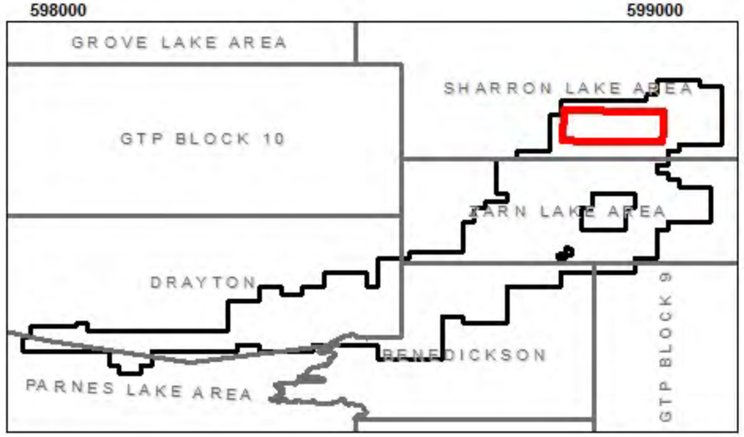
234159 | 276765 52J04H121 | 144761 52J04H122 | 313362 52J04H123 | 116835 52J04H124 | 583020 52J04H125 | 583008 52J04H126 | 582957 52J04H127 | 583004 52J04H128 | 52J04H129 583022

52J04G140

52J04G160 168121 | 222306 52J04H141 | 156865 52J04H142 | 228303 52J04H143 | 172187 52J04H144 | 209478 52J04H145 | 290307 52J04H146 | 128233 52J04H147 | 583010 52J04H148 | 52J04H149 582990

5556000 5555000

598000 599000 600000 601000 602000



HERITAGE MINING LTD

Drayton-Black Lake Project

2022 Grab Sample Map - B
Sharron Lake Area

1:10,000	NAD83 UTM 15N
B.Clark 2023	Clark Geoservices Inc.

0 0.5 1 Kilometers

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township
- Roads
- Contour
- Waterbody
- Watercourse

Grab Sample - Au ppm

- <0.5
- 0.5 - 1.5
- 1.5 - 5
- 5 - 10
- >10

598000 599000 600000 601000

N

197378 52J04G139 | 52J04G140 | 9231 9286 | 9163 | 9083

151564 52J04G159 | 168121 52J04G160 | 222306 52J04H141 | 156865 52J04H142 | 228303 52J04H143 | 172187 | 9080 9081 | 52J04H144 | 209478 52J04H145 | 290307 52J04H146 | 128233 52J04H147

9287 | 9087 | 9131 | 9132 | 9078 9079

9130 | 9129 | 9075 9076 | 9077

SHARRON LAKE AREA

9232 | 9158

197387 52J04G179 | 331386 52J04G180 | 156866 52J04H161 | 313363 52J04H162 | 257509 52J04H163 | 144001 52J04H164 | 144000 52J04H165 | 192696 52J04H166 | 192695 52J04H167

9086 | 9085 | 9084 | 9006

9127 9128

544266 | 52J04G198 | 271422 52J04G199 | 197388 52J04G200 | 116724 52J04H181 | 179004 52J04H182 | 121006 52J04H183 | 261559 52J04H184 | 261558 52J04H185 | 128700 52J04H186 | 128699 52J04H187

9088 | 9067 | 9005 | 9070 | 9069

544271 | 52J04G218 | 9252 | 9251 | 9071 | 9223 | 9222 | 9023 | 9022

263442 52J04G219 | 329466 52J04G220 | 52J04H201 | 298907 | 583001 52J04H202 | 582995 52J04H203 | 52J04H204 | 582994 | 582996 52J04H205 | 583002 52J04H206 | 175279 52J04H207

ZARN LAKE AREA

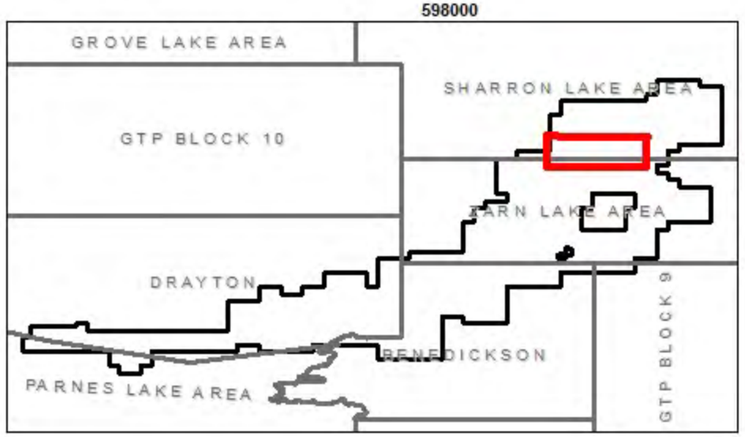
9068

544276 | 544277 52J04G239 | 233622 52J04G240 | 196165 52J04H221 | 582993 52J04H222 | 228475 52J04H223 | 287761 52J04H224 | 102167 52J04H225 | 220486 52J04H226 | 717299 52J04H227

5554000

5553000

598000 599000 600000 601000



HERITAGE MINING LTD

Drayton-Black Lake Project

2022 Grab Sample Map - C
Sharron Lake Area

1:10,000	NAD83 UTM 15N
B.Clark 2023	Clark Geoservices Inc.

0 0.5 1 Kilometers

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township
- Roads
- Contour
- Waterbody
- Watercourse

Grab Sample - Au ppm

- <0.5
- 0.5 - 1.5
- 1.5 - 5
- 5 - 10
- >10

597000 598000 599000 600000

5553000

5552000

N

SHARRON LAKE AREA

ZARN LAKE AREA

544266 52J04G198 | 271422 52J04G199 | 197388 52J04G200 | 116724 | 52J04H181 | 52J04H182 | 179004 | 121006 52J04H183 | 261559 52J04H184 | 261558 52J04H185 | 128700 52J04H186

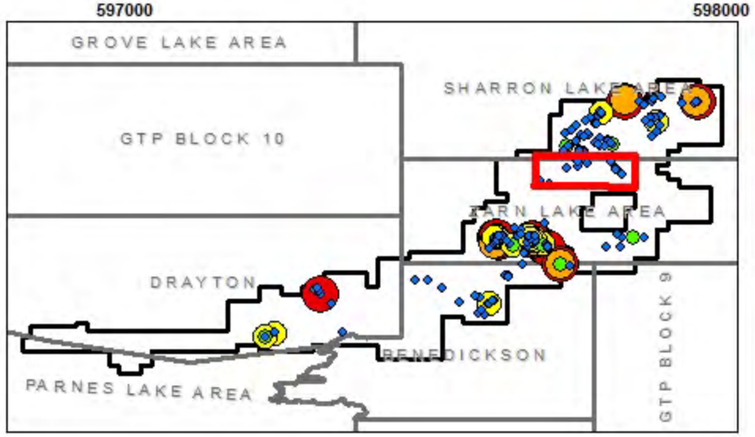
544265 | 544270 | 52J04G217 | 544271 52J04G218 | 263442 52J04G219 | 329466 52J04G220 | 52J04H201 | 298907 | 583001 52J04H202 | 582995 52J04H203 | 52J04H204 | 582994 | 582996 52J04H205 | 583002 52J04H206

544275 | 52J04G237 | 544276 52J04G238 | 544277 52J04G239 | 233622 52J04G240 | 196165 52J04H221 | 582993 52J04H222 | 228475 52J04H223 | 287761 52J04H224 | 102167 52J04H225 | 220486 52J04H226

544281 | 52J04G257 | 544282 52J04G258 | 544283 52J04G259 | 101628 52J04G260 | 289734 52J04H241 | 583021 52J04H242 | 209058 52J04H243 | 102169 52J04H244 | 287762 52J04H245 | 295076 52J04H246

544287 | 52J04G277 | 544288 52J04G278 | 183978 52J04G279 | 582998 52J04G280 | 582999 52J04H261 | 583003 52J04H262 | 155642 52J04H263 | 228476 52J04H264 | 174537 52J04H265 | 52J04H266 | 102170

9088 9067 9005 9070 9069 9252 9071 9251 9068 9202 9203 9222 9223 9022 9023 9278 9279 9224 9225 9226 9280 9100 9099 9098



HERITAGE MINING LTD

Drayton-Black Lake Project

2022 Grab Sample Map - D

Sharron, Zarn Lake Area

1:10,000	NAD83 UTM 15N
B.Clark 2023	Clark Geoservices Inc.

0 0.5 1 Kilometers

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township
- Roads
- Contour
- Waterbody
- Watercourse

Grab Sample - Au ppm

- <0.5
- 0.5 - 1.5
- 1.5 - 5
- 5 - 10
- >10

599000 600000 601000 602000

N

294922 52J04H381 | 52J04H386

144060 52J04A001 | 257704 52J04A002 | 117483 52J04A003 | 127711 52J04A004 | 52J04A005 295096 9136 | 248760 52J04A006 | 104901 52J04A007 | 336229 52J04A008

52J04B020 339343

9138 | 9241 | 9137

228491 52J04A021 | 324298 52J04A022 | 257705 52J04A023 | 228490 52J04A024 | 228489 52J04A025 | 308104 52J04A026 | 323756 52J04A027 | 229268 52J04A028

52J04B040 339344

ZARN LAKE AREA

9139 9140 | 9134 9135 | 9133

295097 52J04A041 | 276221 52J04A042 | 241156 52J04A043 | 117484 52J04A044 | 52J04A045 191098 | 336230 52J04A046 | 104902 52J04A047 | 241447 52J04A048

52J04B060

324299 52J04A061 | 241158 52J04A062 | 102187 52J04A063 | 241157 52J04A064 | 228492 52J04A065 | 104882 52J04A066 | 241448 52J04A067 | 287871 52J04A068

52J04B080 330462

52J04A083 267184 | 154534 52J04A084 | 229250 52J04A085 | 139992 52J04A086

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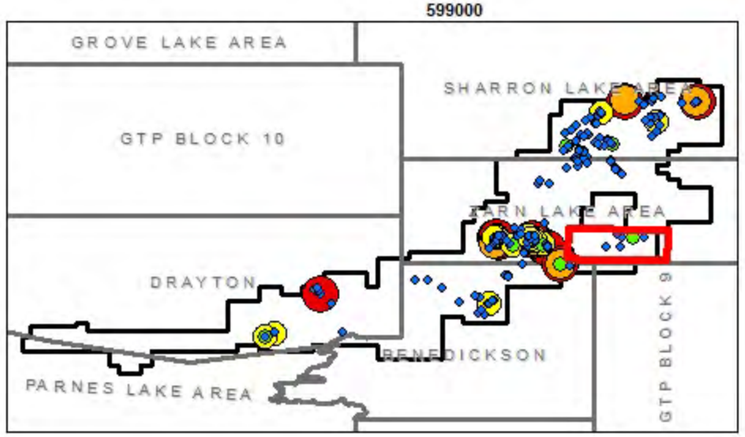
5547000

599000 600000 601000 602000



HERITAGE MINING LTD

Drayton-Black Lake Project

2022 Grab Sample Map - E

Sharron, Zarn Lake Area

1:10,000	NAD83 UTM 15N
B.Clark 2023	Clark Geoservices Inc.

0 0.5 1 Kilometers

Legend

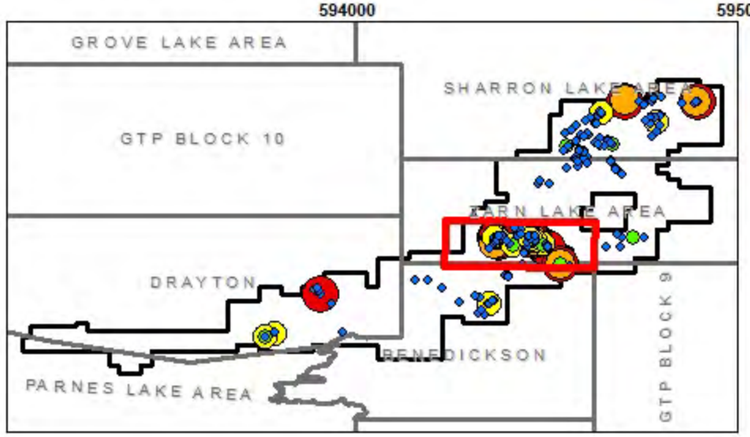
- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township
- Roads
- Contour
- Waterbody
- Watercourse

Grab Sample - Au ppm

- <0.5
- 0.5 - 1.5
- 1.5 - 5
- 5 - 10
- >10

ZARN LAKE AREA

BENEDICKSON



HERITAGE MINING LTD

Drayton-Black Lake Project

2022 Grab Sample Map - F

Zarn Lake Area, Benedickson

1:15,000	NAD83 UTM 15N
B.Clark 2023	Clark Geoservices Inc.

0 0.75 1.5 Kilometers

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township
- Roads
- Contour
- Waterbody
- Watercourse

Grab Sample - Au ppm

- <0.5
- 0.5 - 1.5
- 1.5 - 5
- 5 - 10
- >10

591000 592000 593000 594000 595000 596000

5546000 5545000 5544000

N

DRAYTON

BENEDICKSON

52J04B103 52J04B104 52J04B105 52J04B106 52J04B107 52J04B108 52J04B109 52J04B110 52J04B111 52J04B112 52J04B113 52J04B114 52J04B115

52J04B123 226244 52J04B124 295984 52J04B125 209504 52J04B126 162160 52J04B127 288153 52J04B128 201450 52J04B129 311984 52J04B130 228926 52J04B131 314919 52J04B132 128151 52J04B133 248350 52J04B134 141694 52J04B136

9151 9210 9214 9215 9152 52J04B135 199172 52J04B137

319944 9014 9260

52J04B143 151297 272846 52J04B144 140020 52J04B145 210076 52J04B146 257619 52J04B147 162233 52J04B148 126925 52J04B149 276112 52J04B150 156212 52J04B151 143365 52J04B152 100367 52J04B153 157486 52J04B154 199173 52J04B155 255055 52J04B156 52J04B157

9218

149965 52J04B163 115384 52J04B164 287872 52J04B165 114941 52J04B166 276113 52J04B167 114940 52J04B168 221647 52J04B169 156213 52J04B170 294956 52J04B171 277386 52J04B172 325519 52J04B173 202779 52J04B174

9212

333308 52J04B183 320816 52J04B184 140021 52J04B185 248761 52J04B186 320719 52J04B187 197459 52J04B188 333212 52J04B189 113898 52J04B190 117018 52J04B191 278921 52J04B192 9211 157487 52J04B193 313463 52J04B194

9209 9254

9255

9207 9208 9206 9205 52J04B213 296227

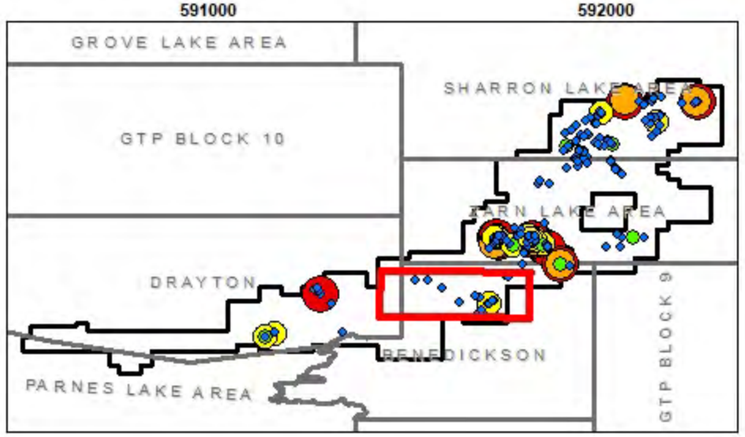
320817 52J04B203 218196 52J04B204 128541 52J04B205 140022 52J04B206 168708 52J04B207 301318 52J04B208 318572 52J04B209 197460 52J04B210 230199 52J04B211 202780 52J04B212 222927 52J04B214

9204 52J04B232 9213 9253 143367 9256

544172 52J04B223 544181 52J04B224 104904 52J04B225 336232 52J04B226 197461 52J04B227 168709 52J04B228 271487 52J04B229 149354 52J04B230 277387 52J04B231 313464 52J04B233 143366 52J04B234

52J04B251 52J04B252 52J04B253 52J04B254

591000 592000 593000 594000 595000 596000



HERITAGE MINING LTD

Drayton-Black Lake Project

2022 Grab Sample Map - G

Benedickson, Drayton Township

1:15,000	NAD83 UTM 15N
B.Clark 2023	Clark Geoservices Inc.

0 0.75 1.5 Kilometers

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township
- Roads
- Contour
- Waterbody
- Watercourse

Grab Sample - Au ppm

- <0.5
- 0.5 - 1.5
- 1.5 - 5
- 5 - 10
- >10

586000 587000 588000 589000 590000

5545000

N

100141 52J04C138 | 171440 52J04C139 | 125606 52J04C140 | 266824 52J04B121

266825 52J04C158 | 227603 52J04C159 | 286904 52J04C160 | 310723 52J04B141

9276 9277

9275

261563 52J04C176 | 101409 52J04C177 | 302696 52J04C178 | 274759 52J04C179 | 220311 52J04C180 | 571652 52J04B161 | 134638 52J04B162

52J04C173
128276

9274

DRAYTON

9271 9272
9270

203379 52J04C193 | 223513 52J04C194 | 277482 52J04C195 | 211465 52J04C196 | 194946 52J04C197 | 116726 52J04C198 | 571648 52J04C199 | 571649 52J04C200 | 571650 52J04B181 | 264760 52J04B182

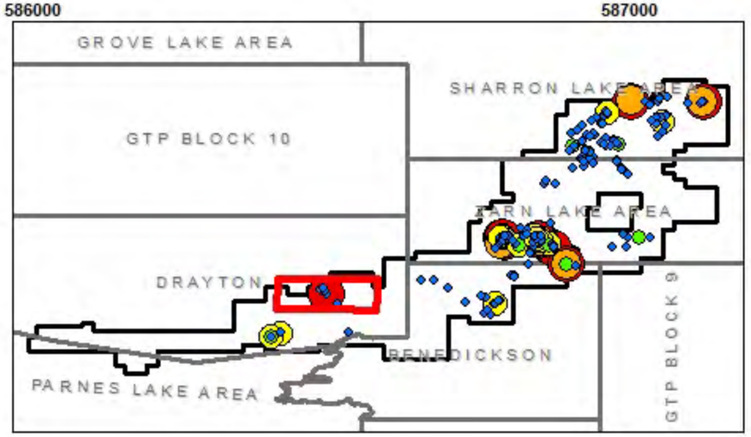
5544000

9269

211467 52J04C213 | 277483 52J04C214 | 259456 52J04C215 | 128277 52J04C216 | 160184 52J04C217 | 232904 52J04C218 | 571651 52J04C219 | 206179 52J04C220 | 302042 52J04B201 | 134639 52J04B202

52J04C238 | 52J04C239 | 101008 | 544182 52J04C240 | 544185 52J04B221 | 52J04B222

586000 587000 588000 589000 590000



HERITAGE MINING LTD

Drayton-Black Lake Project

2022 Grab Sample Map - H

Benedickson, Drayton Township

1:10,000	NAD83 UTM 15N
B.Clark 2023	Clark Geoservices Inc.

0 0.5 1 Kilometers

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township
- Roads
- Contour
- Waterbody
- Watercourse

Grab Sample - Au ppm

- <0.5
- 0.5 - 1.5
- 1.5 - 5
- 5 - 10
- >10

586000 587000 588000 589000

N

313358 52J04C252 | 314072 52J04C253 | 117109 52J04C254 | 259457 52J04C255 | 230290 52J04C256 | 271002 52J04C257 | 101009 52J04C258 | 342558 52J04C259 | 544187 52J04C260

325435 52J04C271 | 288854 52J04C272 | 230342 52J04C273 | 296893 52J04C274 | 223586 52J04C275 | 223585 52J04C276 | 283621 52J04C277 | 197566 52J04C278 | 205003 52J04C279 | 52J04C280 544174

DRAYTON

9234 9236 9273

325436 52J04C291 | 202705 52J04C292 | 163655 52J04C293 | 259526 52J04C294 | 314132 52J04C295 | 279590 52J04C296 | 330205 52J04C297 | 180469 52J04C298 | 234358 52J04C299 | 52J04C300 544168

9289 9290 9288 9235

52J04C311 144782 | 325438 52J04C312 | 223587 52J04C313 | 203447 52J04C314 | 278052 52J04C315 | 101877 52J04C316 | 123033 52J04C317 | 234359 52J04C318 | 205004 52J04C319 | 52J04C320 544171

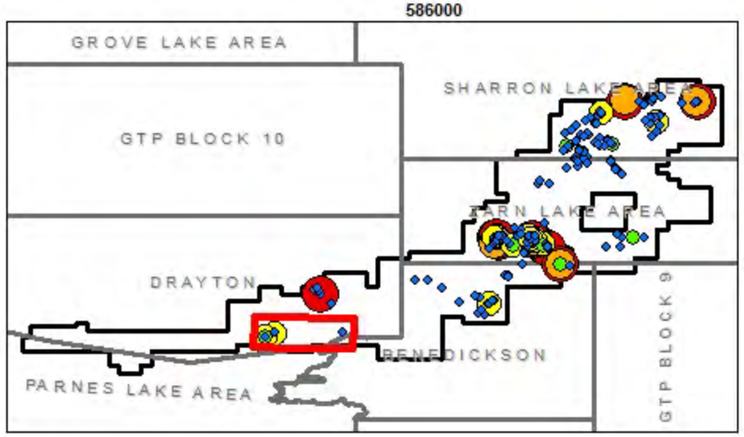
BENEDICKSON

202706 52J04C332 | 279591 52J04C333 | 326166 52J04C334 | 314133 52J04C335 | 278053 52J04C336

PARNES LAKE AREA

5542000 5541000

586000 587000 588000 589000



HERITAGE MINING LTD

Drayton-Black Lake Project

2022 Grab Sample Map - I

Benedickson, Drayton Township

1:10,000	NAD83 UTM 15N
B.Clark 2023	Clark Geoservices Inc.

0 0.5 1 Kilometers

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township
- Roads
- Contour
- Waterbody
- Watercourse

Grab Sample - Au ppm

- <0.5
- 0.5 - 1.5
- 1.5 - 5
- 5 - 10
- >10

APPENDIX VII – CHANNEL SAMPLE MAPS

597355 597360 597365 597370

N

5547655

5547650

331771

52J04B058

ZARN LAKE AREA

D909462
1.18 ppm

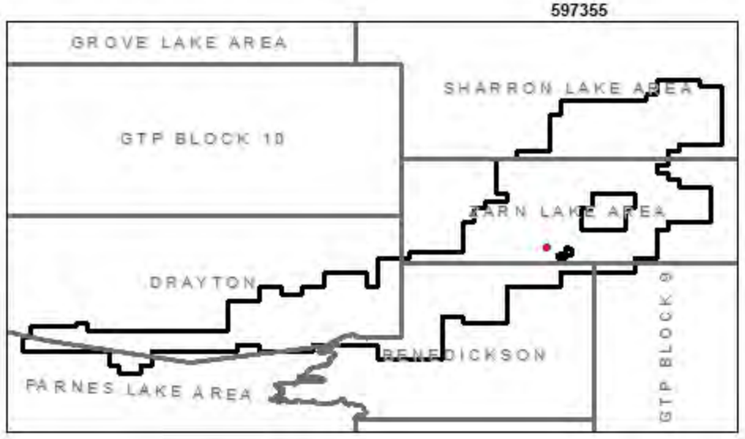
D909461
1.07 ppm

D909459
9.46 ppm

D909458
0.063 ppm

D909457
0.407 ppm

D909455
6.05 ppm



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-01

Zarn Lake Area

1:50	NAD83 UTM 15N
B.Clark 2023	

0 2.5 5 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5.0
- 5.0 - 10
- >10

597310 597315 597320 597325

5547680

N

D909454
0.028 ppm

D909453
21.9 ppm

D909452
0.0025 ppm

D909451
0.005 ppm

D909449
0.0025 ppm

331771

52J04B058

5547675

ZARN LAKE AREA

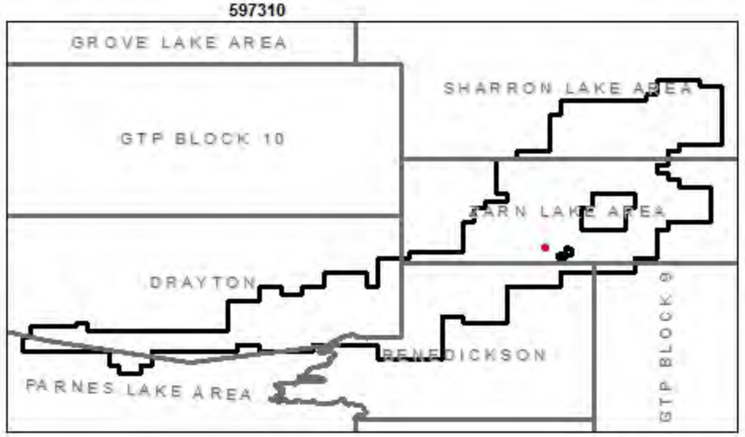
D909448
0.0025 ppm

D909447
0.0025 ppm

D909446
0.0025 ppm

D909444
0.0025 ppm

597310 597315 597320 597325



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-02

Zarn Lake Area

1:50	NAD83 UTM 15N
B.Clark 2023	

0 2.5 5 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

597245 597250 597255

N

CH-22-04

D909468
0.23 ppm

D909467
1.895 ppm

CH-22-03

D909472
0.25 ppm

D909470
28.1 ppm

D909469
0.461 ppm

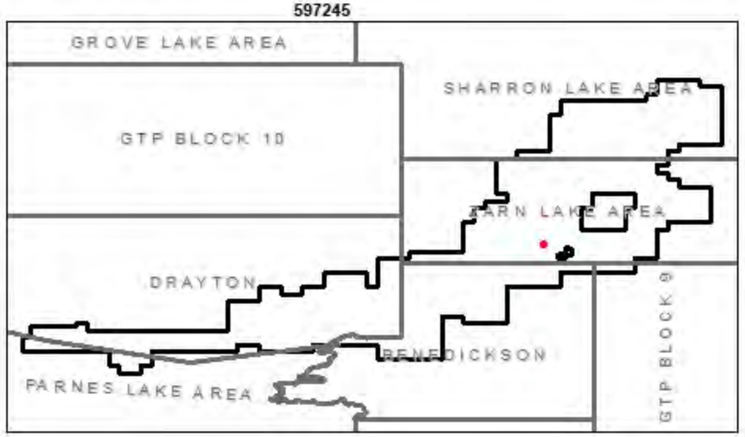
5547860

ZARN LAKE AREA 223468

52J04B038

5547860

597245 597250 597255



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-03 & 04
Zarn Lake Area

1:34	NAD83 UTM 15N
B.Clark 2023	

0 1.5 3 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

597340 597345 597350 597355

5547820

5547815

N

CH-22-06

D909481
0.035 ppm
D909479
0.044 ppm
D909478
0.135 ppm
D909477
0.059 ppm

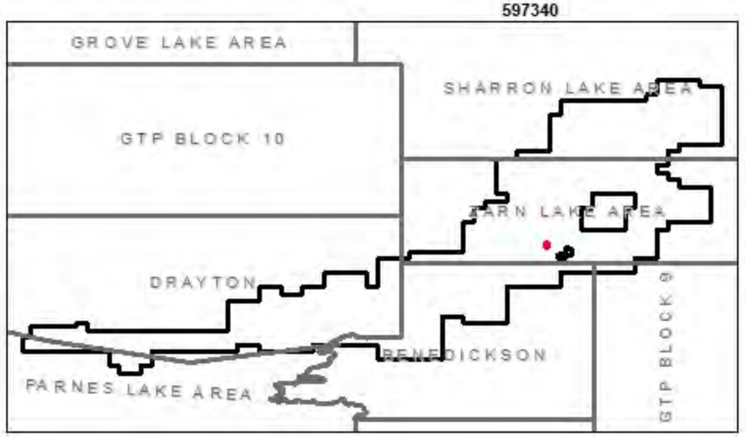
CH-22-05

D909493
0.121 ppm
D909492
0.096 ppm
D909491
0.008 ppm
D909489
0.011 ppm
D909488
0.0025 ppm
D909487
0.013 ppm
D909485
0.006 ppm
D909484
0.011 ppm
D909483
0.01 ppm
D909482
0.735 ppm

331771

52J04B058

ZARN LAKE AREA



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-05 & 06
Zarn Lake Area

1:50	NAD83 UTM 15N
B.Clark 2023	

0 2.5 5 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

597300 597305 597310 597315

N

CH-22-07

D916504
0.012 ppm

D916503
0.025 ppm

D916502
1.17 ppm

D909500
0.014 ppm

D909499
0.008 ppm

D909498
0.007 ppm

D909497
0.0025 ppm

D909496
0.007 ppm

D909494
0.005 ppm

331771

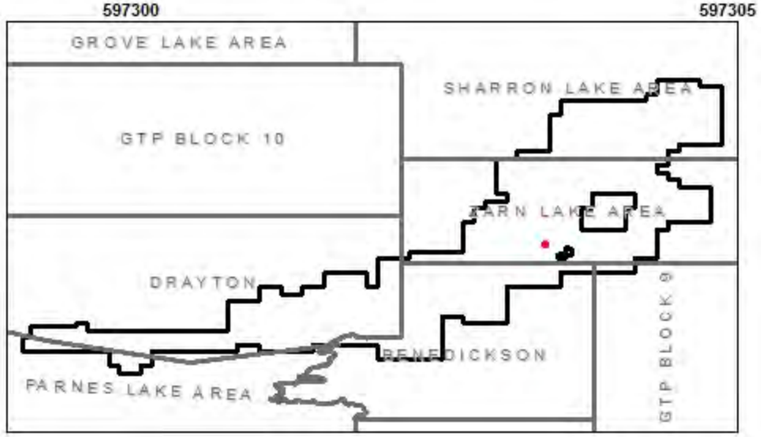
52J04B058

ZARN LAKE AREA

5547850

5547845

597300 597305 597310 597315



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-07

Zarn Lake Area

1:50	NAD83 UTM 15N
B.Clark 2023	

0 2.5 5 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

597255 597260 597265 597270

N

5547740

CH-22-08

D909466
0.306 ppm

D909464
1.99 ppm

D909463
0.296 ppm

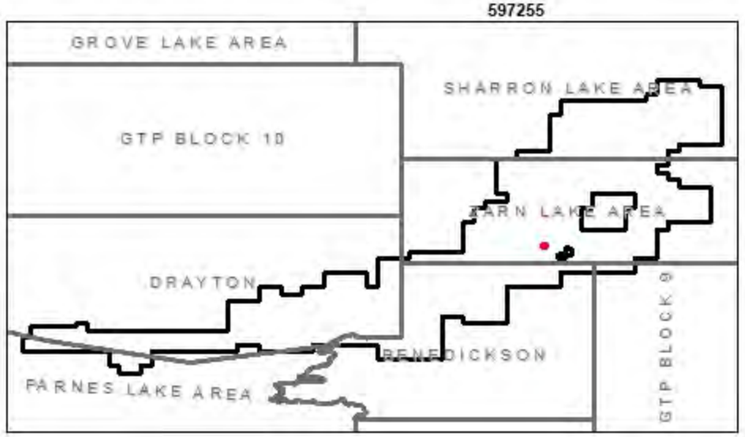
331771

52J04B058

ZARN LAKE AREA

5547735

597255 597260 597265 597270



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-08

Zarn Lake Area

1:50	NAD83 UTM 15N
B.Clark 2023	

0 2.5 5 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

597415

597420

N

CH-22-09

D909476
0.013 ppm

D909474
0.121 ppm

D909473
0.021 ppm

331771

52J04B058

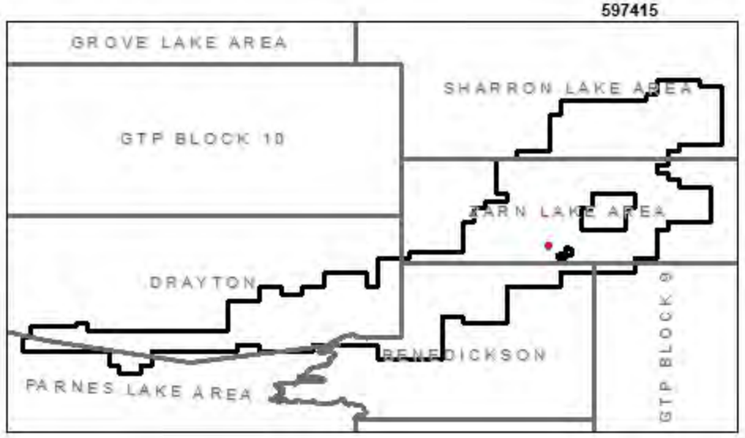
ZARN LAKE AREA

5547765

5547765

597415

597420



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-09

Zarn Lake Area

1:30	NAD83 UTM 15N
B.Clark 2023	

0 1.5 3 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township
- Roads

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

595210 595215 595220 595225

N

CH-22-10

D916539
0.042 ppm

D916538
0.014 ppm

D916537
0.05 ppm

D916536
0.024 ppm

D916534
0.008 ppm

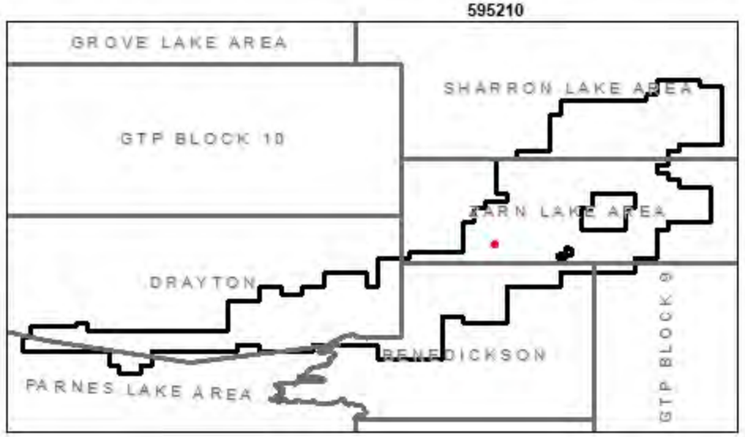
5547845

341074

52J04B033

ZARN LAKE AREA

595210 595215 595220 595225



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-10

Zarn Lake Area

1:50	NAD83 UTM 15N
B.Clark 2023	

0 2.5 5 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

595310 595315 595320 595325 595330

N

CH-22-12

D916549
0.021 ppm

D916548
0.255 ppm

D916547
0.023 ppm

D916546
0.005 ppm

D916544
0.0025 ppm

CH-22-11

D916553
0.017 ppm

D916552
11.15 ppm

D916551
0.008 ppm

CH-22-13

150935

52J04B034

ZARN LAKE AREA

D916543
0.131 ppm

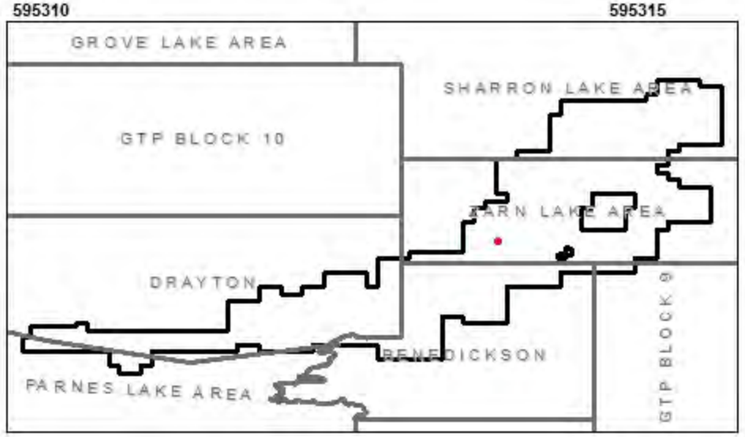
D916542
0.127 ppm

D916541
0.0025 ppm

5548005

5548000

595310 595315 595320 595325 595330



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-11, 12, 13
Zarn Lake Area

1:50	NAD83 UTM 15N
B.Clark 2023	

0 2.5 5 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

595205 595210 595215 595220

N

CH-22-15

D916533
0.0025 ppm

D916532
0.009 ppm

D916530
0.194 ppm

D916529
0.027 ppm

D916527
0.028 ppm

D916528
0.09 ppm

D916526
0.017 ppm

D916524
0.006 ppm

D916523
0.011 ppm

D916522
0.006 ppm

D916521
0.008 ppm

319708

52J04B053

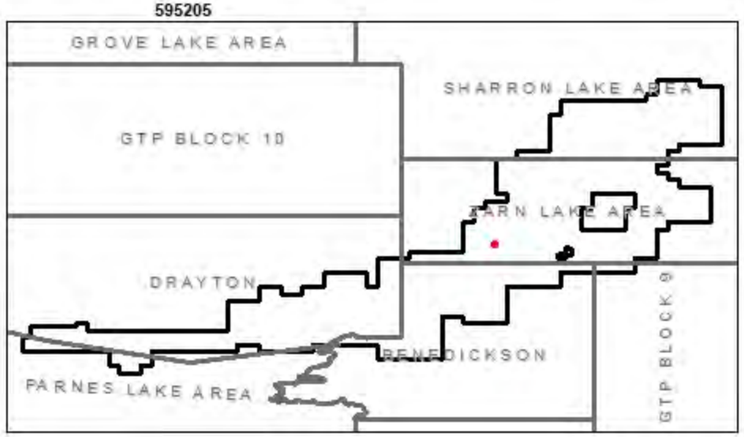
ZARN LAKE AREA

CH-22-14

5547800

5547795

595205 595210 595215 595220



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-14 & 15

Zarn Lake Area

1:50	NAD83 UTM 15N
B.Clark 2023	

0 2.5 5 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

595250 595255 595260

N

CH-22-16

D916511
0.0025 ppm

D916509
0.021 ppm

D916508
5.31 ppm

D916507
0.006 ppm

D916506
0.005 ppm

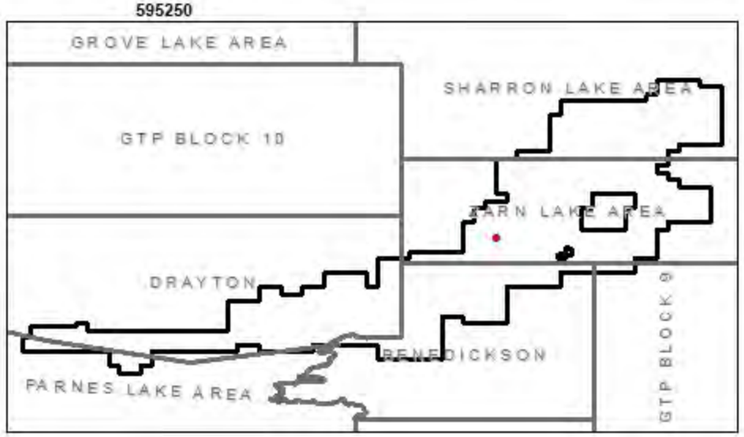
150935

52J04B034

ZARN LAKE AREA

5548270

595250 595255 595260



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-16

Zarn Lake Area

1:30	NAD83 UTM 15N
B.Clark 2023	

0 1.5 3 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

595260 595265 595270

5548280

N

CH-22-17

D916515
0.03 ppm

D916514
0.007 ppm

D916513
4.99 ppm

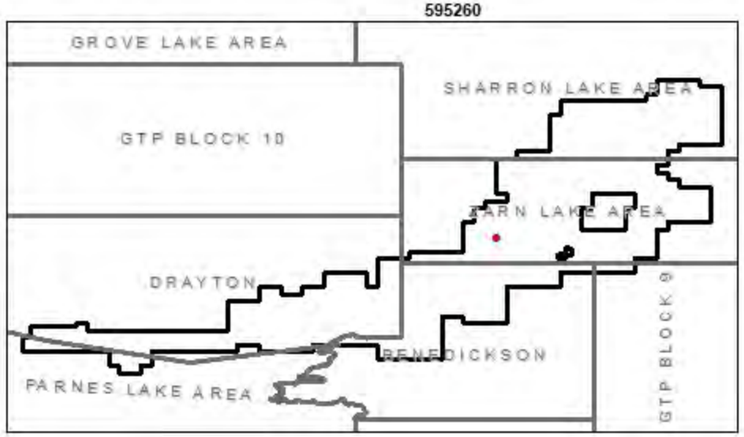
D916512
0.013 ppm

150935

52J04B034

ZARN LAKE AREA

595260 595265 595270



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-17

Zarn Lake Area

1:30	NAD83 UTM 15N
B.Clark 2023	

0 1.5 3 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

595295

595300

N

CH-22-18

D916519
0.455 ppm

D916518
1.19 ppm

D916517
0.775 ppm

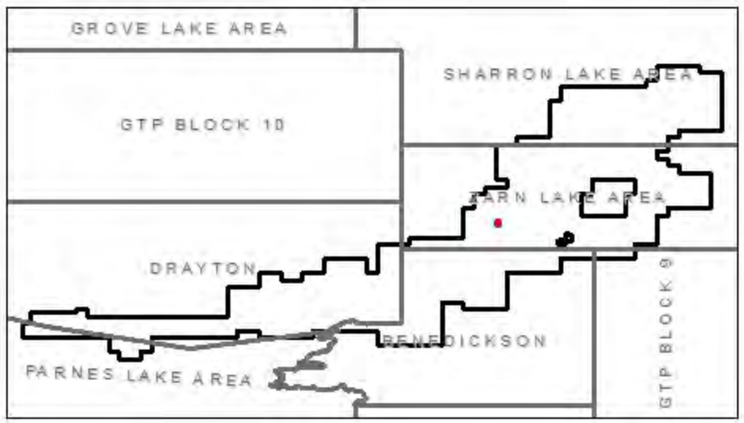
199071

52J04B014

ZARN LAKE AREA

595295

595300



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-18

Zarn Lake Area

1:20	NAD83 UTM 15N
B.Clark 2023	

0 1 2 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

N

CH-22-24

D909417
D909416
D909413
D909414
D909412
D909410
D909409
D909408

CH-22-23

D909407
D909406
D909404
D909403
D909402
D909401
D909399
D909398
D909397
D909395
D909394
D909393
D909392
D909391
D909389
D909388
D909387

CH-22-22

D909386
D909384
D909383
D909382
D909380
D909379
D909378
D909377
D909376
D909374
D909373
D909372
D909371
D909369
D909368
D909367
D909365

CH-22-21

D909364
D909363
D909362
D909361
D909359
D909358
D909357
D909356
D909354
D909353
D909352
D909351

CH-22-20

D909424
D909423
D909422
D909421
D909419
D909418

CH-22-19

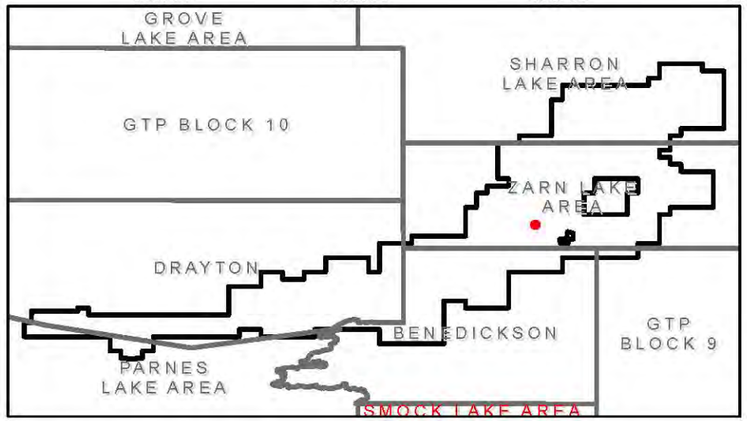
D909429
D909428
D909427
D909425

207754 *52J04B037*

ZARN LAKE AREA

596785 596790 596795 596800 596805 596810 596815 596820 596825 596830 596835 596840

5548120 5548115 5548110 5548105 5548100



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-19, 20, 21, 22, 23, 24
Zarn Lake Area

1:150	NAD83 UTM 15N
B.Clark 2023	

0 5 10 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township
- Contour

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

596770

596775

N

CH-22-25

D909433

D909432

D909431

207754

52J04B037

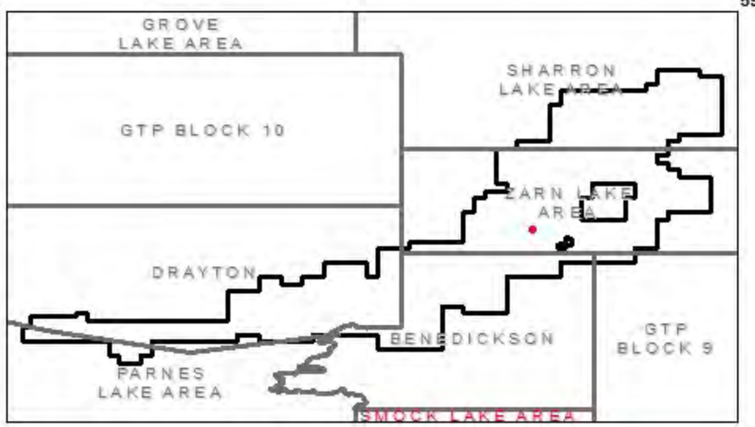
ZARN LAKE AREA

5548135

5548135

596770

596775



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-25

Zarn Lake Area

1:30	NAD83 UTM 15N
B.Clark 2023	

0 1.5 3 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township
- Contour

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

596720

596725

5548190

N

CH-22-26

D909438

D909437

D909436

D909434

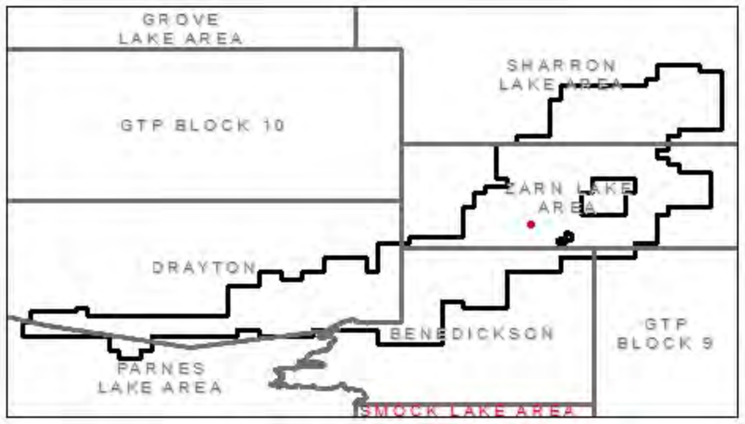
207754

52J04B037

ZARN LAKE AREA

596720

596725



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-26

Zarn Lake Area

1:30	NAD83 UTM 15N
B.Clark 2023	

0 1.5 3 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

596920 596925 596930

N

CH-22-27

D909443

D909441

D909440

D909439

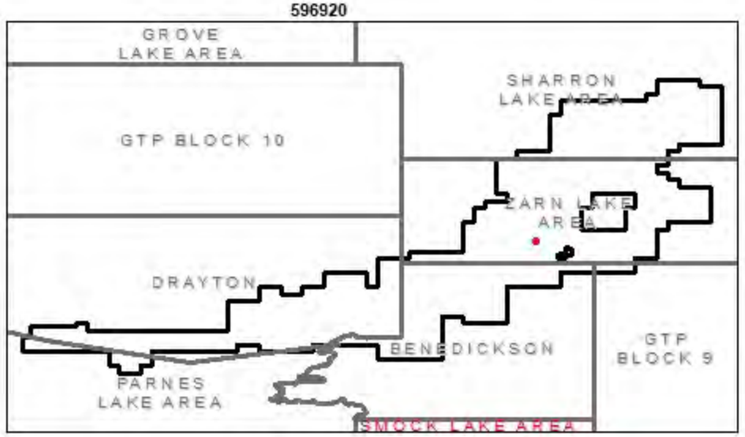
207754

52J04B037

ZARN LAKE AREA

5548020

596920 596925 596930



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-27

Zarn Lake Area

1:30	NAD83 UTM 15N
B.Clark 2023	

0 1.5 3 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township
- Contour

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

603425 603430 603435

5557190

N

CH-22-28

D916558

D916557

D916556

D916554

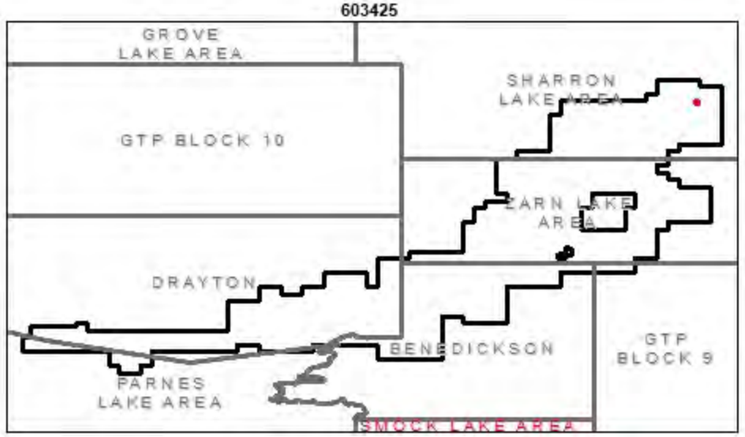
123094

52J04H052

SHARRON LAKE AREA

5557185

603425 603430 603435



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-28

Sharron Lake Area

1:30	NAD83 UTM 15N
B.Clark 2023	

0 1.5 3 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

603470

603475

5557155

N

CH-22-29

D916564

D916563

D916562

D916560

D916559

123094

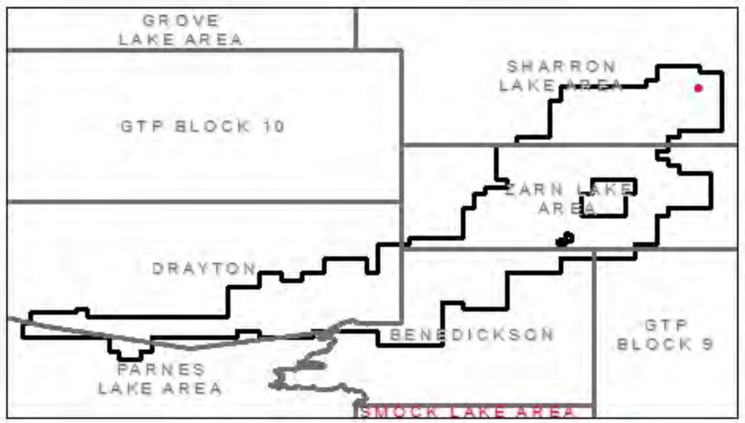
52J04H052

SHARRON LAKE AREA

5557150

603470

603475



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-29

Sharron Lake Area

1:30	NAD83 UTM 15N
B.Clark 2023	

0 1.5 3 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

603355

603360

N

CH-22-30

D916567

D916566

123094

52J04H052

SHARRON LAKE AREA

CH-22-31

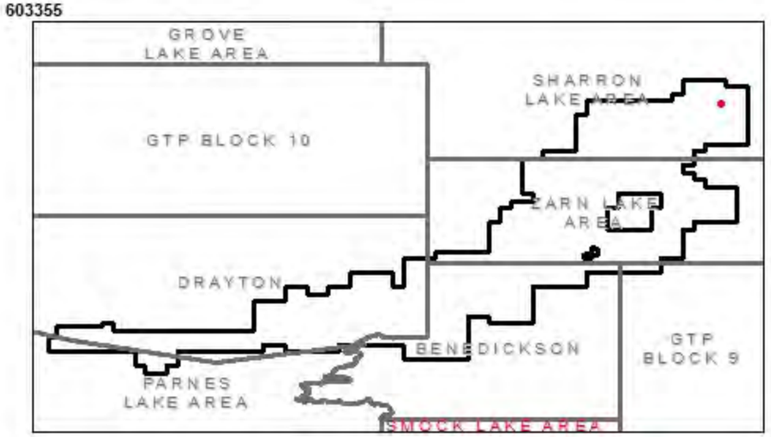
D916571

D916569

D916568

603355

603360



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-30 & 31

Sharron Lake Area

1:15	NAD83 UTM 15N
B.Clark 2023	

0 0.75 1.5 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

599445 599450 599455 599460

N

CH-22-32

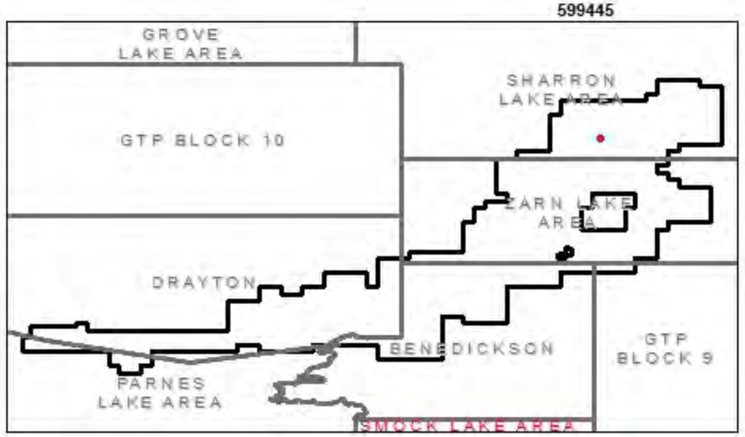
D916581
D916579
D916578
D916577
D916576
D916574
D916573
D916572

228303 *52J04H143*

SHARRON LAKE AREA

5554770 5554765

599445 599450 599455 599460



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-32

Sharron Lake Area

1:50	NAD83 UTM 15N
B.Clark 2023	

0 2.5 5 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

599805 599810 599815 599820 599825 599830 599835 599840 599845

5554600 5554595 5554590 5554585

N

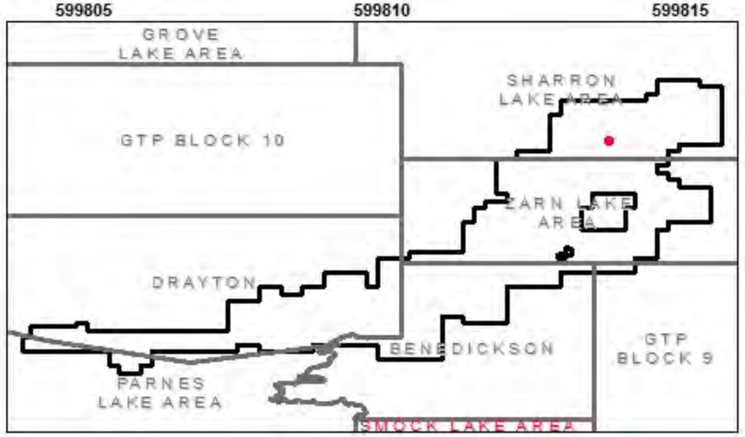
CH-22-34

D916603
D916602
D916601
D916599
D916598
D916597
D916596
D916594
D916593
D916592
D916590
D916589
D916588
D916587
D916586
D916584
D916583
D916582

CH-22-33

172187 *52J04H144*

SHARRON LAKE AREA



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-33 & 34

Sharron Lake Area

1:100	NAD83 UTM 15N
B.Clark 2023	

0 5 10 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

599990 599995 600000 600005

N

CH-22-35

D916609

D916608

D916607

D916605

D916604

5554480

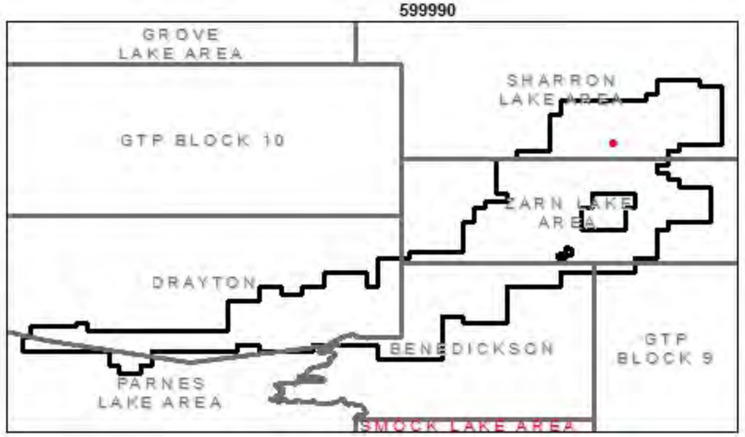
172187

52J04H144

SHARRON LAKE AREA

5554475

599990 599995 600000 600005



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-35

Sharron Lake Area

1:50	NAD83 UTM 15N
B.Clark 2023	

0 2.5 5 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

600015 600020 600025 600030 600035

N

CH-22-36

D916622
D916620
D916619
D916618
D916617
D916616
D916614
D916613
D916612
D916611

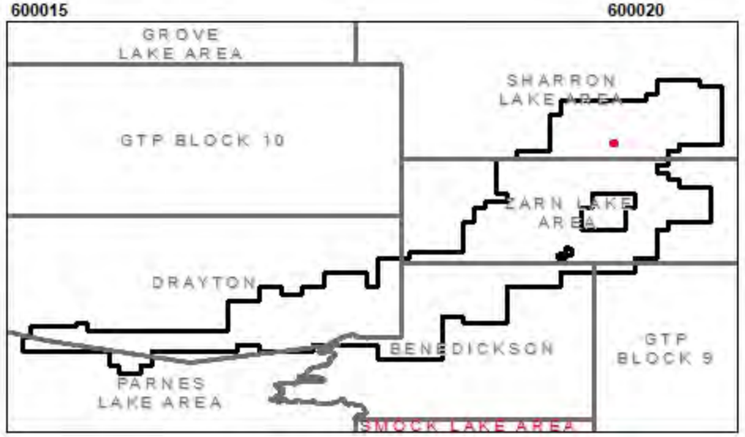
5554490

5554485

172187 *52J04H144*

SHARRON LAKE AREA

600015 600020 600025 600030 600035



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-36

Sharron Lake Area

1:50	NAD83 UTM 15N
B.Clark 2023	

0 2.5 5 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

600040

600045

N

CH-22-37

5554490

D916627

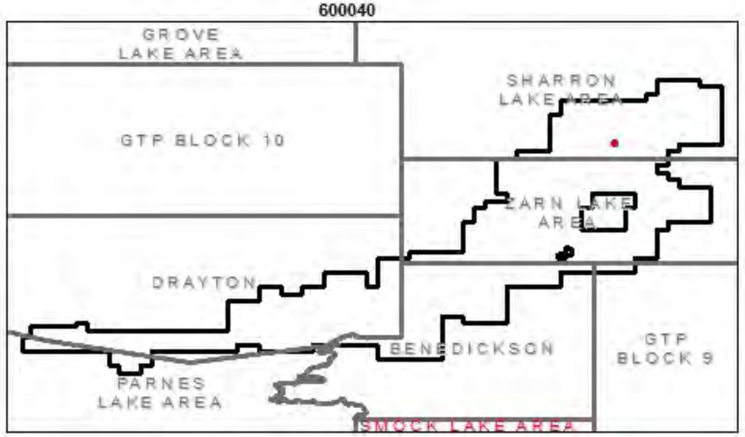
D916626

D916624

D916623

172187 *52J04H144*

SHARRON LAKE AREA



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-37

Sharron Lake Area

1:20	NAD83 UTM 15N
B.Clark 2023	

0 1 2 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

600010 600015 600020 600025 600030

5554385

5554380

N

CH-22-39

D916638

CH-22-38

D916637

D916635

D916634

D916633

D916632

D916631

D916630

D916629

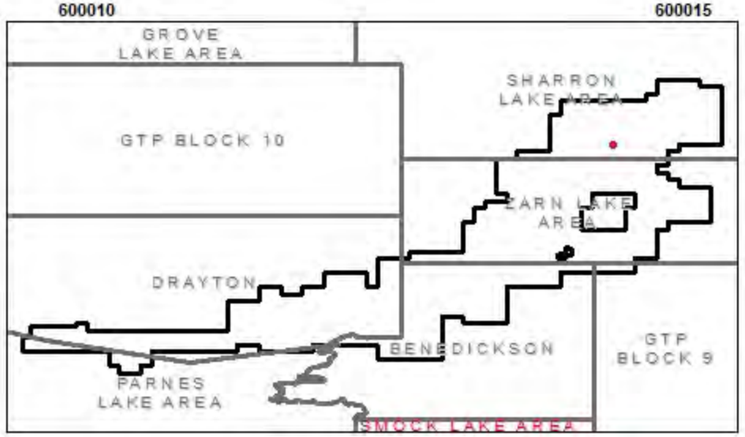
D916628

144001

52J04H164

SHARRON LAKE AREA

600010 600015 600020 600025 600030



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-38 & 39

Sharron Lake Area

1:50	NAD83 UTM 15N
B.Clark 2023	

0 2.5 5 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

603390 603395 603400 603405

N

5557210

CH-22-40

F809512
F809511
F809509
F809508
F809507
F809506
F809504
F809503
F809502
F809501
F809513
F809514
F809516

CH-22-41

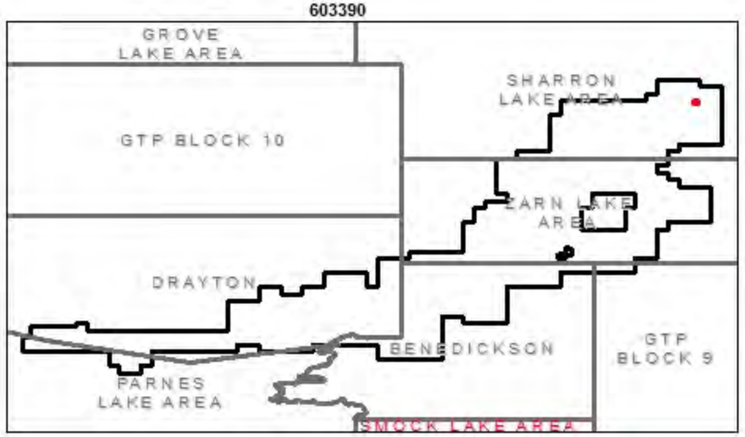
123094

52J04H052

SHARRON LAKE AREA

5557205

603390 603395 603400 603405



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-40 & 41

Sharron Lake Area

1:50	NAD83 UTM 15N
B.Clark 2023	

0 2.5 5 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

599015

599020

5554945

N

CH-22-42

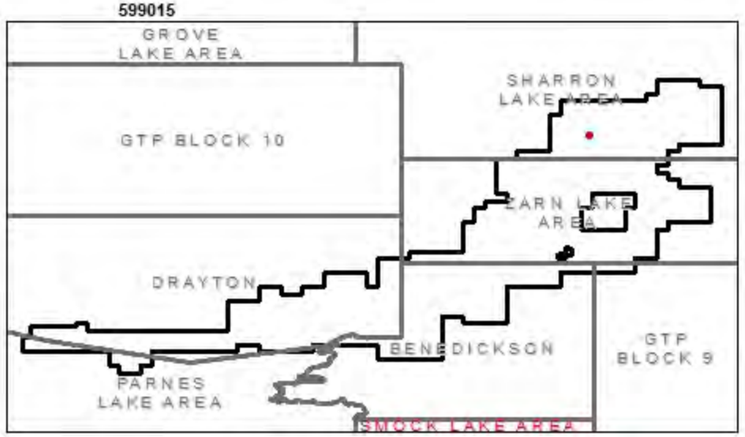
D916642

D916641

D916639

144761 *52J04H122*

SHARRON LAKE AREA



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-42

Sharron Lake Area

1:20	NAD83 UTM 15N
B.Clark 2023	

0 1 2 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

599010

599015

5554940

N

CH-22-43

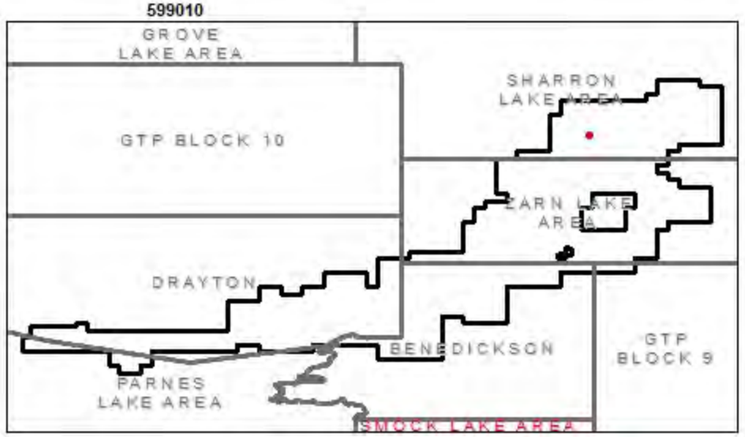
D916646

D916644

144761

52J04H122

SHARRON LAKE AREA



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-43

Sharron Lake Area

1:20	NAD83 UTM 15N
B.Clark 2023	

0 1 2 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

598825

598830

N

5554805

5554805

CH-22-44

D916649

D916648

D916647

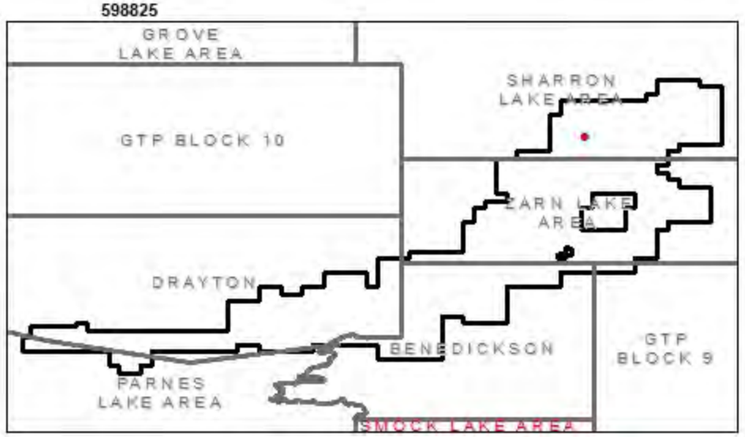
156865

52J04H142

SHARRON LAKE AREA

598825

598830



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-44

Sharron Lake Area

1:20	NAD83 UTM 15N
B.Clark 2023	

0 1 2 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

598010

N

CH-22-45

331386

52J04G180

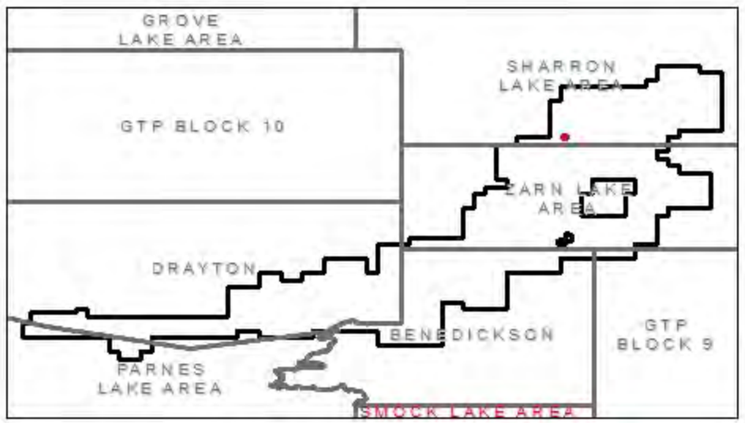
SHARRON LAKE AREA

F809517

553910

553910

598010



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-45

Sharron Lake Area

1:20	NAD83 UTM 15N
B.Clark 2023	

0 1 2 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

597995

598000

N

CH-22-46

553915

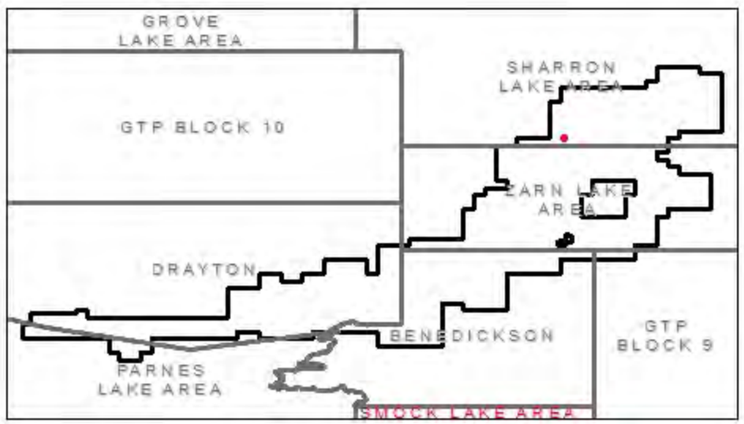
F809519

F809518

331386

52J04G180

SHARRON LAKE AREA



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-46

Sharron Lake Area

1:20	NAD83 UTM 15N
B.Clark 2023	

0 1 2 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

597985

597990

N

CH-22-47

331386

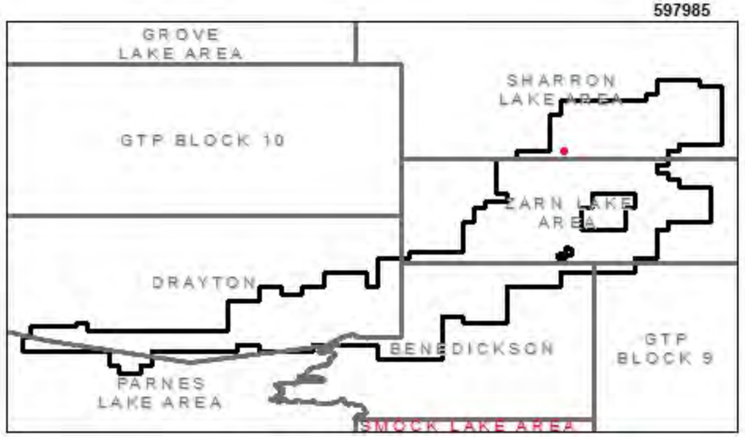
52J04G180

SHARRON LAKE AREA

F809521

597985

597990



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-47

Sharron Lake Area

1:20	NAD83 UTM 15N
B.Clark 2023	

0 1 2 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

597960

597965

N

5553900

5553900

CH-22-48

331386

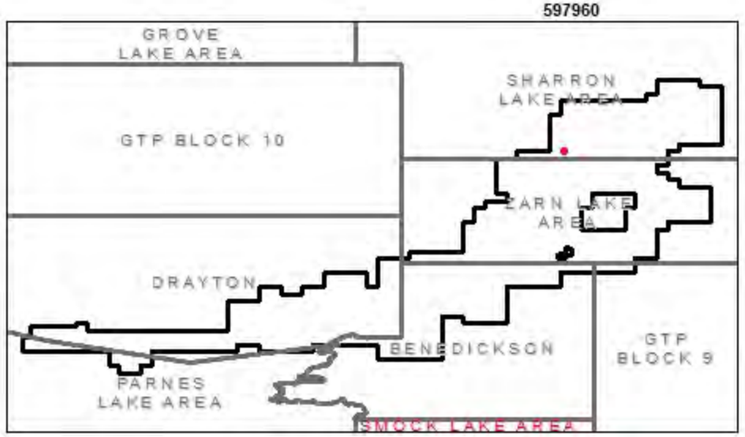
52J04G180

SHARRON LAKE AREA

F809522

597960

597965



HERITAGE MINING LTD

Drayton-Black Lake Project

CH-22-48

Sharron Lake Area

1:20	NAD83 UTM 15N
B.Clark 2023	

0 1 2 Meters

Legend

- Drayton-Black Lake Project
- Drayton-Black Lake Claims
- Prov. Cell Grid
- Township

Au ppm

- <0.5
- 0.5 - 2.5
- 2.5 - 5
- 5 - 10
- >10

APPENDIX IX – DAILY LOG

Name	Initials	Position	Company
Mark (Steve) King	SK	Sr Geo	
Mitch Lavery	ML	Sr Geo	
Rick Horne	RH	Geo	
Harrison Reid	HR	Geo	Clark Expl Consulting
Tommy Clark	TC	Geo	Clark Expl Consulting
Daniel Chodur	DC	Geo	Clark Expl Consulting
AJ MacLurin	AM	Geo	BigRiver Mineral Exploration
Sam Atterley	SA	Geo	BigRiver Mineral Exploration
Claude Jacques	CJ	Tech	
Edward Blackned	EB	Tech	
Gabriel Brazeau	GB	Tech	BigRiver Mineral Exploration

Date	Personnel	Work Type	Grab Sample ID	Num Grab Samples	Channel Sample ID	Num Channel Samples
2022-07-14	CJ, AM, HR, DC, EB, GB	Travel to Site, organize crews, prepare for field				
2022-07-15	CJ, AM, HR, DC, EB, GB	Travel to Site, organize crews, prepare for field				
2022-07-16	CJ, AM, HR, DC, EB, GB	Travel to Site, organize crews, prepare for field				
2022-07-17	CJ, AM, HR, DC, EB, GB	Travel to Site, organize crews, prepare for field				
2022-07-18	CJ, AM, HR, DC, EB, GB	Crews at site, introduction, familiarize with project, drive access roads				
2022-07-19	CJ, AM, HR, DC, EB, GB	Crews at site, introduction, familiarize with project, drive access roads				
2022-07-20	CJ, AM, HR, DC, EB, GB	Sampling	D909001, D909051, D909101 - D909110	12		
2022-07-21	CJ, AM, HR, DC, EB, GB	Sampling	D909052 - D909054, D909111	4		
2022-07-22	CJ, AM, HR, DC, EB, GB	Sampling	D909002, D909002 - D909114, D909121	5		
2022-07-23	CJ, AM, HR, DC, EB, GB	Sampling	D909005, D909055 - D909057, D909115, D909117 - D909119	8		
2022-07-24	CJ, AM, HR, DC, EB, GB	Sampling	D909003, D909058 - D909062, D909116, D909120	8		
2022-07-25	CJ, AM, HR, DC, EB, GB	Sampling	D909063 - D909066, D909122 - D909126	9		
2022-07-26	CJ, AM, HR, DC, EB, GB	Weather Day & Data Entry				
2022-07-27	CJ, AM, HR, DC, EB, GB	Sampling	D909067 - D909071, D909127 - D909136	15		
2022-07-28	CJ, AM, HR, DC, EB, GB	Sampling	D909006, D909072 - D909074, D909137 - D909138	6		
2022-07-29	CJ, AM, HR, DC, EB, GB	Sampling	D909007, D909075 - D909083, D909139 - D909140	12		
2022-07-30	CJ, AM, HR, DC, EB, GB	Sampling	D909084 - D909088, D909141 - D909143	8		
2022-07-31	CJ, AM, HR, DC, EB, GB	Sampling	D909089 - D909095, D909144 - D909147	11		
2022-08-01	CJ, AM, HR, DC, EB, GB	Sampling	D909096 - D909097, D909149	3		
2022-08-02	CJ, AM, HR, DC, EB, GB	Sampling	D909098, D909099, D909100, D909148	4		
2022-08-03	CJ, AM, HR, DC, EB, GB	Sampling	D909150 - D909152	3		
2022-08-04	CJ, AM, HR, DC, EB, GB	Sampling	D909004, D909008 - D909013	9		
2022-08-05	CJ, AM, HR, DC, EB, GB	Travel				
2022-08-18	CJ, AM, HR, DC, EB, GB	Travel	D909014	1		
2022-08-19	CJ, AM, HR, DC, EB, GB	Sampling	D909253, D909254	2		
2022-08-20	CJ, AM, HR, DC, EB, GB	Sampling	D909204 - D909209	7		

2022-08-21	CJ, AM, HR, DC, EB, GB	Sampling	D909211 - D909213, D909256	4		
2022-08-22	CJ, AM, HR, DC, EB, GB	Sampling	D909015, D909151 - D909152, D909210, D909214 -D909216, D909257 - D909258	9		
2022-08-23	CJ, AM, HR, DC, EB, GB	Sampling	D909016 - D909018, D909259 - D909260	5		
2022-08-24	CJ, AM, HR, DC, EB, GB	Sampling	D909219 - D909221, D909261 , D909262	5		
2022-08-25	CJ, AM, HR, DC, EB, GB	Sampling	D909263 - D909267	5		
2022-08-26	CJ, AM, HR, DC, EB, GB	Sampling	D909153 - D909155, D909268	4		
2022-08-27	CJ, AM, HR, DC, EB, GB	Sampling	D909269	1		
2022-08-28	CJ, AM, HR, DC, EB, GB	Sampling	D909270 -D909273	4		
2022-08-29	CJ, AM, HR, DC, EB, GB	Sampling	D909017, D909274 - D909277	5		
2022-08-30	CJ, AM, HR, DC, EB, GB	Sampling	D909222 - D909226, D909278 - D909280	8		
2022-08-31	CJ, AM, HR, DC, EB, GB	Sampling				
2022-09-01	CJ, AM, HR, DC, EB, GB	Sampling	D909018, D909156 - D909157, D909227 - D909229, D909281 - D909283, D909020	8		
2022-09-02	CJ, AM, HR, DC, EB, GB	Sampling	D909283, D909019	2		
2022-09-03	CJ, AM, HR, DC, EB, GB	Sampling	D909020 - D909023, D909158, D909163 D909230 - D909233, D909284 - D909287	14		
2022-09-04	CJ, AM, HR, DC, EB, GB	Sampling	D909234 - D909236 D909288 - D909290	6		
2022-09-05	CJ, AM, HR, DC, EB, GB	Sampling	D909237	1		
2022-09-06	CJ, AM, HR, DC, EB, GB	Sampling				
2022-09-07	CJ, AM, HR, DC, EB, GB	Sampling	D909238	1		
2022-09-08	CJ, AM, HR, DC, EB, GB	Sampling	D909239 - D909240	2		
2022-09-09	CJ, AM, HR, DC, EB, GB	Sampling	D909241	1		
2022-09-10	CJ, AM, HR, DC, EB, GB	Sampling				
2022-09-11	CJ, AM, HR, DC, EB, GB	Sampling				
2022-09-24	TC, DC	Travel				
2022-09-25	TC, DC	Sampling				
2022-09-26	TC, DC	Sampling				
2022-09-27	TC, DC	Sampling				
2022-09-28	TC, DC	Sampling				
2022-09-29	TC, DC	Sampling				

2022-09-30	TC, DC	Sampling	D909291 - D909293	3		
2022-10-01	TC, DC	Sampling	D909295 - D909300	6		
2022-10-02	TC, DC, SA, AM	AM & SA, Arrive	D909164 - D909165 D909242 - D909243	4		
2022-10-03	TC, DC, SA, AM	Manual Stripping				
2022-10-04	TC, DC, SA, AM	Manual Stripping				
2022-10-05	TC, DC, SA, AM	Manual Stripping				
2022-10-06	TC, DC, SA, AM	Manual Stripping				
2022-10-07	TC, DC, SA, AM	Manual Stripping				
2022-10-08	TC, DC, SA, AM	Channel Sampling			D909351 - D909364	12
2022-10-09	TC, DC, SA, AM	Channel Sampling & Sampling	D909244 - D909245	2	D909365 - D909386	19
2022-10-10	TC, DC, SA, AM	Channel Sampling			D909387 - D909402	14
2022-10-11	TC, DC, SA, AM	Channel Sampling			D909403 - D909443	36
2022-10-12	TC, DC, SA, AM	Channel Sampling			D909444 - D909472	25
2022-10-13	TC, DC, SA, AM	Weather Day & Data Entry				
2022-10-14	TC, DC, SA, AM	Channel Sampling			D909473 - D916504	28
2022-10-15	TC, DC, SA, AM	Channel Sampling			D916506 - D916519	13
2022-10-16	TC, DC, SA, AM	Channel Sampling			D916521 - D916539	17
2022-10-17	TC, DC, SA, AM	Channel Sampling			D916541 - D916553	12
2022-10-18	TC, DC, SA, AM	Channel Sampling			D916554 - D916571	15
2022-10-19	TC, DC, SA, AM	Channel Sampling			D916572 - D916603 D916628 - D916637 F809501 - F809516	51
2022-10-20	TC, DC, SA, AM	Channel Sampling			D916638	1
2022-10-21	TC, DC, SA, AM	Channel Sampling			D916604 - D916627	21
2022-10-22	TC, DC, SA, AM	Sampling	D909167 - D909173	7		
2022-10-23	TC, DC, SA, AM	Channel Sampling	D9091754, D909175	2	D916639 - D916650 F809517 - F809522	15
2022-10-24	TC, DC, SA, AM	Sampling & Travel	D909201	1		

APPENDIX X – MINING CLAIM WORK BREAKDOWN

Claim_ID	Prov. Cell Grid ID	HOLDER	l-km	Grab Samples	Channel Samples
100141	52J04C138	(100) GROUP TEN METALS INC	2.187	0	0
100270	52J04H102	(100) GROUP TEN METALS INC	2.183	0	0
100367	52J04B153	(100) GROUP TEN METALS INC	2.187	0	0
100727	52J04B067	(100) GROUP TEN METALS INC	2.187	0	0
100728	52J04B111	(100) GROUP TEN METALS INC	2.187	0	0
100748	52J04G360	(100) GROUP TEN METALS INC	2.186	0	0
100760	52J04D292	(100) GROUP TEN METALS INC	2.188	0	0
100761	52J04D334	(100) GROUP TEN METALS INC	2.189	0	0
101008	52J04C239	(100) GROUP TEN METALS INC	2.188	0	0
101009	52J04C258	(100) GROUP TEN METALS INC	2.188	0	0
101409	52J04C177	(100) GROUP TEN METALS INC	2.187	4	0
101628	52J04G260	(100) GROUP TEN METALS INC	2.185	0	0
101848	52J04C231	(100) GROUP TEN METALS INC	2.188	0	0
101877	52J04C316	(100) GROUP TEN METALS INC	2.189	0	0
102167	52J04H225	(100) GROUP TEN METALS INC	2.185	4	0
102169	52J04H244	(100) GROUP TEN METALS INC	2.185	0	0
102170	52J04H266	(100) GROUP TEN METALS INC	2.185	0	0
102187	52J04A063	(100) GROUP TEN METALS INC	2.187	0	0
103597	52J04C282	(100) GROUP TEN METALS INC	2.188	0	0
104882	52J04A066	(100) GROUP TEN METALS INC	2.187	0	0
104901	52J04A007	(100) GROUP TEN METALS INC	2.186	0	0
104902	52J04A047	(100) GROUP TEN METALS INC	2.186	0	0
104904	52J04B225	(100) GROUP TEN METALS INC	2.188	0	0
105072	52J04D297	(100) GROUP TEN METALS INC	2.188	0	0
106906	52J04H209	(100) GROUP TEN METALS INC	2.184	0	0
107524	52J04B094	(100) GROUP TEN METALS INC	2.187	0	0
108813	52J04B074	(100) PATRICK PAUL RIIVES	2.187	0	0
110326	52J04B017	(100) PATRICK PAUL RIIVES	2.186	3	0
112999	52J04B079	(100) GROUP TEN METALS INC	2.187	0	0
113898	52J04B190	(100) GROUP TEN METALS INC	2.188	0	0
114879	52J04B089	(100) GROUP TEN METALS INC	2.187	0	0
114880	52J04B087	(100) GROUP TEN METALS INC	2.187	0	0
114911	52J04B019	(100) GROUP TEN METALS INC	2.186	0	0
114923	52J04D275	(100) GROUP TEN METALS INC	2.188	0	0
114924	52J04D293	(100) GROUP TEN METALS INC	2.188	0	0
114940	52J04B168	(100) GROUP TEN METALS INC	2.187	0	0
114941	52J04B166	(100) GROUP TEN METALS INC	2.187	0	0
115383	52J04B085	(100) GROUP TEN METALS INC	2.187	0	0
115384	52J04B164	(100) GROUP TEN METALS INC	2.187	0	0
116632	52J04H045	(100) GROUP TEN METALS INC	2.183	0	0
116724	52J04H181	(100) GROUP TEN METALS INC	2.184	1	0
116726	52J04C198	(100) GROUP TEN METALS INC	2.188	0	0
116835	52J04H124	(100) GROUP TEN METALS INC	2.184	0	0
116889	52J04H082	(100) GROUP TEN METALS INC	2.183	2	0
116890	52J04H104	(100) GROUP TEN METALS INC	2.183	0	0
116891	52J04G120	(100) GROUP TEN METALS INC	2.183	0	0

117018	52J04B191	(100) GROUP TEN METALS INC	2.188	0	0
117108	52J04C212	(100) GROUP TEN METALS INC	2.188	0	0
117109	52J04C254	(100) GROUP TEN METALS INC	2.188	0	0
117474	52J04H285	(100) GROUP TEN METALS INC	2.185	0	0
117483	52J04A003	(100) GROUP TEN METALS INC	2.186	0	0
117484	52J04A044	(100) GROUP TEN METALS INC	2.186	2	0
119103	52J04G319	(100) GROUP TEN METALS INC	2.185	0	0
121006	52J04H183	(100) GROUP TEN METALS INC	2.184	0	0
121701	52J04H103	(100) GROUP TEN METALS INC	2.183	2	0
122610	52J04C308	(100) GROUP TEN METALS INC	2.189	0	0
122611	52J04C328	(100) GROUP TEN METALS INC	2.189	0	0
122612	52J04C325	(100) GROUP TEN METALS INC	2.189	0	0
123000	52J04G394	(100) PATRICK PAUL RIIVES	2.186	0	0
123001	52J04B055	(100) PATRICK PAUL RIIVES	2.186	2	0
123033	52J04C317	(100) GROUP TEN METALS INC	2.189	0	0
123094	52J04H052	(100) GROUP TEN METALS INC	2.183	6	27
123960	52J04D296	(100) GROUP TEN METALS INC	2.188	0	0
123961	52J04D319	(100) GROUP TEN METALS INC	2.189	0	0
123962	52J04D337	(100) GROUP TEN METALS INC	2.189	0	0
124217	52J04B057	(100) PATRICK PAUL RIIVES	2.186	0	0
125190	52J04H088	(100) GROUP TEN METALS INC	2.183	3	0
125606	52J04C140	(100) GROUP TEN METALS INC	2.187	0	0
126328	52J04B088	(100) GROUP TEN METALS INC	2.187	0	0
126872	52J04G339	(100) GROUP TEN METALS INC	2.185	0	0
126873	52J04G398	(100) GROUP TEN METALS INC	2.186	1	0
126874	52J04B017	(100) GROUP TEN METALS INC	2.186	0	0
126891	52J04D294	(100) GROUP TEN METALS INC	2.188	0	0
126892	52J04D335	(100) GROUP TEN METALS INC	2.189	0	0
126893	52J04D331	(100) GROUP TEN METALS INC	2.189	0	0
126925	52J04B149	(100) GROUP TEN METALS INC	2.187	0	0
127681	52J04B254	(100) GROUP TEN METALS INC	2.188	0	0
127711	52J04A004	(100) GROUP TEN METALS INC	2.186	0	0
128150	52J04B074	(100) GROUP TEN METALS INC	2.187	0	0
128151	52J04B133	(100) GROUP TEN METALS INC	2.187	0	0
128233	52J04H147	(100) GROUP TEN METALS INC	2.184	0	0
128276	52J04C173	(100) GROUP TEN METALS INC	2.187	0	0
128277	52J04C216	(100) GROUP TEN METALS INC	2.188	0	0
128541	52J04B205	(100) GROUP TEN METALS INC	2.188	0	0
128699	52J04H187	(100) GROUP TEN METALS INC	2.184	0	0
128700	52J04H186	(100) GROUP TEN METALS INC	2.184	0	0
133292	52J04B083	(100) GROUP TEN METALS INC	2.187	0	0
134264	52J04G392	(100) PATRICK PAUL RIIVES	2.186	0	0
134358	52J04B115	(100) GROUP TEN METALS INC	2.187	0	0
134638	52J04B162	(100) GROUP TEN METALS INC	2.187	0	0
134639	52J04B202	(100) GROUP TEN METALS INC	2.188	0	0
135621	52J04B117	(100) GROUP TEN METALS INC	2.187	0	0
137787	52J04B097	(100) GROUP TEN METALS INC	2.187	0	0

139195	52J04G395	(100) GROUP TEN METALS INC	2.186	3	0
139249	52J04B078	(100) PATRICK PAUL RIIVES	2.187	0	0
139992	52J04A086	(100) GROUP TEN METALS INC	2.187	0	0
140020	52J04B145	(100) GROUP TEN METALS INC	2.187	0	0
140021	52J04B185	(100) GROUP TEN METALS INC	2.188	0	0
140022	52J04B206	(100) GROUP TEN METALS INC	2.188	0	0
140187	52J04B114	(100) GROUP TEN METALS INC	2.187	0	0
141217	52J04A101	(100) GROUP TEN METALS INC	2.187	0	0
141694	52J04B136	(100) GROUP TEN METALS INC	2.187	0	0
143251	52J04B056	(100) GROUP TEN METALS INC	2.186	0	0
143252	52J04B078	(100) GROUP TEN METALS INC	2.187	0	0
143365	52J04B152	(100) GROUP TEN METALS INC	2.187	0	0
143366	52J04B234	(100) GROUP TEN METALS INC	2.188	0	0
143367	52J04B232	(100) GROUP TEN METALS INC	2.188	4	0
143475	52J04C233	(100) GROUP TEN METALS INC	2.188	0	0
144000	52J04H165	(100) GROUP TEN METALS INC	2.184	0	0
144001	52J04H164	(100) GROUP TEN METALS INC	2.184	3	9
144058	52J04H361	(100) GROUP TEN METALS INC	2.186	0	0
144059	52J04G399	(100) GROUP TEN METALS INC	2.186	0	0
144060	52J04A001	(100) GROUP TEN METALS INC	2.186	0	0
144061	52J04B018	(100) GROUP TEN METALS INC	2.186	0	0
144076	52J04D311	(100) GROUP TEN METALS INC	2.189	0	0
144759	52J04C249	(100) GROUP TEN METALS INC	2.188	0	0
144761	52J04H122	(100) GROUP TEN METALS INC	2.184	3	6
144782	52J04C311	(100) GROUP TEN METALS INC	2.189	0	0
146092	52J04H189	(100) GROUP TEN METALS INC	2.184	0	0
148418	52J04B039	(100) GROUP TEN METALS INC	2.186	0	0
149354	52J04B230	(100) GROUP TEN METALS INC	2.188	0	0
149965	52J04B163	(100) GROUP TEN METALS INC	2.187	0	0
150934	52J04G395	(100) PATRICK PAUL RIIVES	2.186	0	0
150935	52J04B034	(100) PATRICK PAUL RIIVES	2.186	16	20
151293	52J04H062	(100) GROUP TEN METALS INC	2.183	0	0
151297	52J04B143	(100) GROUP TEN METALS INC	2.187	0	0
151564	52J04G159	(100) GROUP TEN METALS INC	2.184	0	0
151619	52J04H032	(100) GROUP TEN METALS INC	2.183	0	0
151860	52J04D298	(100) GROUP TEN METALS INC	2.188	0	0
151861	52J04D318	(100) GROUP TEN METALS INC	2.189	0	0
151862	52J04D316	(100) GROUP TEN METALS INC	2.189	0	0
151863	52J04D336	(100) GROUP TEN METALS INC	2.189	0	0
153503	52J04G060	(100) GROUP TEN METALS INC	2.183	0	0
154534	52J04A084	(100) GROUP TEN METALS INC	2.187	0	0
155642	52J04H263	(100) GROUP TEN METALS INC	2.185	0	0
156168	52J04H321	(100) GROUP TEN METALS INC	2.185	0	0
156169	52J04G359	(100) GROUP TEN METALS INC	2.186	0	0
156170	52J04G377	(100) GROUP TEN METALS INC	2.186	0	0
156180	52J04D295	(100) GROUP TEN METALS INC	2.188	0	0
156181	52J04D314	(100) GROUP TEN METALS INC	2.189	0	0

156212	52J04B151	(100) GROUP TEN METALS INC	2.187	0	0
156213	52J04B170	(100) GROUP TEN METALS INC	2.187	0	0
156859	52J04C251	(100) GROUP TEN METALS INC	2.188	0	0
156865	52J04H142	(100) GROUP TEN METALS INC	2.184	3	3
156866	52J04H161	(100) GROUP TEN METALS INC	2.184	2	0
156884	52J04C270	(100) GROUP TEN METALS INC	2.188	0	0
156905	52J04D400	(100) GROUP TEN METALS INC	2.189	0	0
157334	52J04B077	(100) GROUP TEN METALS INC	2.187	0	0
157486	52J04B154	(100) GROUP TEN METALS INC	2.187	0	0
157487	52J04B193	(100) GROUP TEN METALS INC	2.188	2	0
158434	52J04H281	(100) GROUP TEN METALS INC	2.185	0	0
159678	52J04C321	(100) GROUP TEN METALS INC	2.189	0	0
159679	52J04C341	(100) GROUP TEN METALS INC	2.189	0	0
160184	52J04C217	(100) GROUP TEN METALS INC	2.188	0	0
160836	52J04G099	(100) GROUP TEN METALS INC	2.183	0	0
160837	52J04G119	(100) GROUP TEN METALS INC	2.183	0	0
161099	52J04C285	(100) GROUP TEN METALS INC	2.188	0	0
161100	52J04C304	(100) GROUP TEN METALS INC	2.189	0	0
162159	52J04B066	(100) GROUP TEN METALS INC	2.187	0	0
162160	52J04B127	(100) GROUP TEN METALS INC	2.187	1	0
162191	52J04H341	(100) GROUP TEN METALS INC	2.186	0	0
162192	52J04G380	(100) GROUP TEN METALS INC	2.186	0	0
162193	52J04G379	(100) GROUP TEN METALS INC	2.186	0	0
162210	52J04D333	(100) GROUP TEN METALS INC	2.189	0	0
162233	52J04B148	(100) GROUP TEN METALS INC	2.187	0	0
163596	52J04C234	(100) GROUP TEN METALS INC	2.188	0	0
163655	52J04C293	(100) GROUP TEN METALS INC	2.188	2	0
163998	52J04G396	(100) GROUP TEN METALS INC	2.186	0	0
165043	52J04G299	(100) GROUP TEN METALS INC	2.185	0	0
168121	52J04G160	(100) GROUP TEN METALS INC	2.184	0	0
168478	52J04D300	(100) GROUP TEN METALS INC	2.188	0	0
168708	52J04B207	(100) GROUP TEN METALS INC	2.188	0	0
168709	52J04B228	(100) GROUP TEN METALS INC	2.188	0	0
168821	52J04G391	(100) GROUP TEN METALS INC	2.186	0	0
168822	52J04B051	(100) GROUP TEN METALS INC	2.186	0	0
169968	52J04B120	(100) GROUP TEN METALS INC	2.187	1	0
171440	52J04C139	(100) GROUP TEN METALS INC	2.187	0	0
172187	52J04H144	(100) GROUP TEN METALS INC	2.184	4	37
174537	52J04H265	(100) GROUP TEN METALS INC	2.185	0	0
175279	52J04H207	(100) GROUP TEN METALS INC	2.184	0	0
179004	52J04H182	(100) GROUP TEN METALS INC	2.184	3	0
179472	52J04B056	(100) PATRICK PAUL RIIVES	2.186	1	0
180263	52J04B119	(100) GROUP TEN METALS INC	2.187	0	0
180264	52J04B139	(100) GROUP TEN METALS INC	2.187	0	0
180468	52J04C237	(100) GROUP TEN METALS INC	2.188	0	0
180469	52J04C298	(100) GROUP TEN METALS INC	2.188	0	0
181025	52J04H053	(100) GROUP TEN METALS INC	2.183	0	0

181027	52J04H072	(100) GROUP TEN METALS INC	2.183	0	0
183132	52J04H048	(100) GROUP TEN METALS INC	2.183	1	0
183978	52J04G279	(100) GROUP TEN METALS INC	2.185	1	0
183979	52J04H301	(100) GROUP TEN METALS INC	2.185	0	0
185232	52J04D339	(100) GROUP TEN METALS INC	2.189	0	0
186913	52J04B035	(100) PATRICK PAUL RIIVES	2.186	1	0
186914	52J04B032	(100) PATRICK PAUL RIIVES	2.186	0	0
186915	52J04B073	(100) PATRICK PAUL RIIVES	2.187	0	0
187727	52J04B159	(100) GROUP TEN METALS INC	2.187	0	0
187965	52J04D317	(100) GROUP TEN METALS INC	2.189	0	0
191093	52J04H286	(100) GROUP TEN METALS INC	2.185	0	0
191098	52J04A045	(100) GROUP TEN METALS INC	2.186	3	0
192198	52J04B092	(100) GROUP TEN METALS INC	2.187	0	0
192199	52J04B112	(100) GROUP TEN METALS INC	2.187	0	0
192695	52J04H167	(100) GROUP TEN METALS INC	2.184	0	0
192696	52J04H166	(100) GROUP TEN METALS INC	2.184	0	0
194946	52J04C197	(100) GROUP TEN METALS INC	2.188	3	0
195541	52J04H152	(100) GROUP TEN METALS INC	2.184	0	0
195542	52J04H151	(100) GROUP TEN METALS INC	2.184	0	0
196165	52J04H221	(100) GROUP TEN METALS INC	2.184	1	0
197378	52J04G139	(100) GROUP TEN METALS INC	2.184	0	0
197387	52J04G179	(100) GROUP TEN METALS INC	2.184	0	0
197388	52J04G200	(100) GROUP TEN METALS INC	2.184	0	0
197459	52J04B188	(100) GROUP TEN METALS INC	2.188	0	0
197460	52J04B210	(100) GROUP TEN METALS INC	2.188	1	0
197461	52J04B227	(100) GROUP TEN METALS INC	2.188	0	0
197565	52J04C238	(100) GROUP TEN METALS INC	2.188	0	0
197566	52J04C278	(100) GROUP TEN METALS INC	2.188	0	0
199071	52J04B014	(100) PATRICK PAUL RIIVES	2.186	8	3
199072	52J04B013	(100) PATRICK PAUL RIIVES	2.186	0	0
199172	52J04B135	(100) GROUP TEN METALS INC	2.187	4	0
199173	52J04B155	(100) GROUP TEN METALS INC	2.187	0	0
199933	52J04A081	(100) GROUP TEN METALS INC	2.187	0	0
200422	52J04B118	(100) GROUP TEN METALS INC	2.187	0	0
200423	52J04B158	(100) GROUP TEN METALS INC	2.187	0	0
200430	52J04G396	(100) PATRICK PAUL RIIVES	2.186	1	0
201448	52J04B069	(100) GROUP TEN METALS INC	2.187	0	0
201449	52J04B109	(100) GROUP TEN METALS INC	2.187	0	0
201450	52J04B129	(100) GROUP TEN METALS INC	2.187	0	0
201488	52J04D312	(100) GROUP TEN METALS INC	2.189	0	0
201489	52J04D310	(100) GROUP TEN METALS INC	2.189	0	0
202705	52J04C292	(100) GROUP TEN METALS INC	2.188	4	0
202706	52J04C332	(100) GROUP TEN METALS INC	2.189	0	0
202730	52G13L020	(100) GROUP TEN METALS INC	2.189	0	0
202779	52J04B174	(100) GROUP TEN METALS INC	2.187	0	0
202780	52J04B212	(100) GROUP TEN METALS INC	2.188	0	0
203379	52J04C193	(100) GROUP TEN METALS INC	2.188	0	0

203428	52J04C211	(100) GROUP TEN METALS INC	2.188	0	0
203447	52J04C314	(100) GROUP TEN METALS INC	2.189	0	0
205003	52J04C279	(100) GROUP TEN METALS INC	2.188	0	0
205004	52J04C319	(100) GROUP TEN METALS INC	2.189	0	0
205574	52J04H051	(100) GROUP TEN METALS INC	2.183	1	0
206078	52J04B031	(100) GROUP TEN METALS INC	2.186	0	0
206079	52J04B052	(100) GROUP TEN METALS INC	2.186	0	0
206179	52J04C220	(100) GROUP TEN METALS INC	2.188	0	0
206396	52J04G393	(100) PATRICK PAUL RIIVES	2.186	0	0
206397	52J04B072	(100) PATRICK PAUL RIIVES	2.187	0	0
206845	52J04H061	(100) GROUP TEN METALS INC	2.183	0	0
207745	52J04B116	(100) GROUP TEN METALS INC	2.187	0	0
207753	52J04B016	(100) PATRICK PAUL RIIVES	2.186	2	0
207754	52J04B037	(100) PATRICK PAUL RIIVES	2.186	21	75
208272	52J04H067	(100) GROUP TEN METALS INC	2.183	0	0
209058	52J04H243	(100) GROUP TEN METALS INC	2.185	0	0
209478	52J04H145	(100) GROUP TEN METALS INC	2.184	0	0
209500	52J04B071	(100) GROUP TEN METALS INC	2.187	0	0
209501	52J04B091	(100) GROUP TEN METALS INC	2.187	0	0
209502	52J04B090	(100) GROUP TEN METALS INC	2.187	0	0
209503	52J04B106	(100) GROUP TEN METALS INC	2.187	0	0
209504	52J04B126	(100) GROUP TEN METALS INC	2.187	1	0
209521	52J04G397	(100) GROUP TEN METALS INC	2.186	0	0
209537	52J04D272	(100) GROUP TEN METALS INC	2.188	0	0
210076	52J04B146	(100) GROUP TEN METALS INC	2.187	0	0
210769	52J04C269	(100) GROUP TEN METALS INC	2.188	0	0
210871	52J04B252	(100) GROUP TEN METALS INC	2.188	0	0
210872	52J04B251	(100) GROUP TEN METALS INC	2.188	0	0
211404	52J04B040	(100) PATRICK PAUL RIIVES	2.186	0	0
211465	52J04C196	(100) GROUP TEN METALS INC	2.188	0	0
211466	52J04C192	(100) GROUP TEN METALS INC	2.188	0	0
211467	52J04C213	(100) GROUP TEN METALS INC	2.188	0	0
211468	52J04C236	(100) GROUP TEN METALS INC	2.188	0	0
211920	52J04B080	(100) PATRICK PAUL RIIVES	2.187	0	0
216391	52J04H034	(100) GROUP TEN METALS INC	2.183	0	0
216392	52J04H030	(100) GROUP TEN METALS INC	2.183	0	0
216393	52J04H054	(100) GROUP TEN METALS INC	2.183	0	0
216394	52J04H074	(100) GROUP TEN METALS INC	2.183	0	0
216395	52J04H073	(100) GROUP TEN METALS INC	2.183	0	0
217280	52J04C301	(100) GROUP TEN METALS INC	2.189	0	0
217281	52J04D320	(100) GROUP TEN METALS INC	2.189	0	0
218196	52J04B204	(100) GROUP TEN METALS INC	2.188	0	0
218201	52J04B032	(100) GROUP TEN METALS INC	2.186	0	0
218497	52J04H089	(100) GROUP TEN METALS INC	2.183	1	0
218965	52J04H042	(100) GROUP TEN METALS INC	2.183	0	0
220311	52J04C180	(100) GROUP TEN METALS INC	2.187	0	0
220486	52J04H226	(100) GROUP TEN METALS INC	2.185	0	0

221580	52J04B107	(100) GROUP TEN METALS INC	2.187	0	0
221604	52J04G338	(100) GROUP TEN METALS INC	2.185	0	0
221623	52J04D290	(100) GROUP TEN METALS INC	2.188	0	0
221647	52J04B169	(100) GROUP TEN METALS INC	2.187	1	0
221940	52J04H188	(100) GROUP TEN METALS INC	2.184	0	0
222302	52J04C250	(100) GROUP TEN METALS INC	2.188	0	0
222306	52J04H141	(100) GROUP TEN METALS INC	2.184	1	0
222849	52J04D380	(100) GROUP TEN METALS INC	2.189	0	0
222927	52J04B214	(100) GROUP TEN METALS INC	2.188	0	0
223413	52J04G393	(100) GROUP TEN METALS INC	2.186	0	0
223468	52J04B038	(100) PATRICK PAUL RIIVES	2.186	1	5
223479	52J04B077	(100) PATRICK PAUL RIIVES	2.187	0	0
223513	52J04C194	(100) GROUP TEN METALS INC	2.188	0	0
223514	52J04C235	(100) GROUP TEN METALS INC	2.188	0	0
223585	52J04C276	(100) GROUP TEN METALS INC	2.188	0	0
223586	52J04C275	(100) GROUP TEN METALS INC	2.188	0	0
223587	52J04C313	(100) GROUP TEN METALS INC	2.189	0	0
223667	52J04H111	(100) GROUP TEN METALS INC	2.183	0	0
223811	52J04G320	(100) GROUP TEN METALS INC	2.185	0	0
226243	52J04B104	(100) GROUP TEN METALS INC	2.187	0	0
226244	52J04B124	(100) GROUP TEN METALS INC	2.187	0	0
227603	52J04C159	(100) GROUP TEN METALS INC	2.187	0	0
228303	52J04H143	(100) GROUP TEN METALS INC	2.184	3	8
228475	52J04H223	(100) GROUP TEN METALS INC	2.185	0	0
228476	52J04H264	(100) GROUP TEN METALS INC	2.185	0	0
228489	52J04A025	(100) GROUP TEN METALS INC	2.186	1	0
228490	52J04A024	(100) GROUP TEN METALS INC	2.186	0	0
228491	52J04A021	(100) GROUP TEN METALS INC	2.186	0	0
228492	52J04A065	(100) GROUP TEN METALS INC	2.187	0	0
228868	52J04G337	(100) GROUP TEN METALS INC	2.185	0	0
228869	52J04G358	(100) GROUP TEN METALS INC	2.186	0	0
228888	52J04D271	(100) GROUP TEN METALS INC	2.188	0	0
228889	52J04D315	(100) GROUP TEN METALS INC	2.189	0	0
228890	52J04D330	(100) GROUP TEN METALS INC	2.189	0	0
228926	52J04B131	(100) GROUP TEN METALS INC	2.187	0	0
229250	52J04A085	(100) GROUP TEN METALS INC	2.187	0	0
229251	52J04A104	(100) GROUP TEN METALS INC	2.187	0	0
229268	52J04A028	(100) GROUP TEN METALS INC	2.186	0	0
229606	52J04D399	(100) GROUP TEN METALS INC	2.189	0	0
230199	52J04B211	(100) GROUP TEN METALS INC	2.188	0	0
230290	52J04C256	(100) GROUP TEN METALS INC	2.188	0	0
230342	52J04C273	(100) GROUP TEN METALS INC	2.188	0	0
232281	52J04H043	(100) GROUP TEN METALS INC	2.183	0	0
232282	52J04H064	(100) GROUP TEN METALS INC	2.183	0	0
232283	52J04H063	(100) GROUP TEN METALS INC	2.183	10	0
232904	52J04C218	(100) GROUP TEN METALS INC	2.188	1	0
233053	52J04D340	(100) GROUP TEN METALS INC	2.189	0	0

233054	52J04C361	(100) GROUP TEN METALS INC	2.189	0	0
233622	52J04G240	(100) GROUP TEN METALS INC	2.184	1	0
234159	52J04G140	(100) GROUP TEN METALS INC	2.184	1	0
234358	52J04C299	(100) GROUP TEN METALS INC	2.188	1	0
234359	52J04C318	(100) GROUP TEN METALS INC	2.189	0	0
234466	52J04C284	(100) GROUP TEN METALS INC	2.188	0	0
236390	52J04G397	(100) PATRICK PAUL RIIVES	2.186	0	0
236523	52J04A082	(100) GROUP TEN METALS INC	2.187	0	0
236524	52J04B099	(100) GROUP TEN METALS INC	2.187	0	0
236525	52J04A102	(100) GROUP TEN METALS INC	2.187	0	0
241156	52J04A043	(100) GROUP TEN METALS INC	2.186	0	0
241157	52J04A064	(100) GROUP TEN METALS INC	2.187	0	0
241158	52J04A062	(100) GROUP TEN METALS INC	2.187	0	0
241424	52J04A106	(100) GROUP TEN METALS INC	2.187	0	0
241447	52J04A048	(100) GROUP TEN METALS INC	2.186	0	0
241448	52J04A067	(100) GROUP TEN METALS INC	2.187	0	0
243985	52J04H322	(100) GROUP TEN METALS INC	2.185	0	0
245240	52J04D360	(100) GROUP TEN METALS INC	2.189	0	0
245241	52J04D359	(100) GROUP TEN METALS INC	2.189	0	0
245657	52J04B015	(100) PATRICK PAUL RIIVES	2.186	0	0
246618	52J04C305	(100) GROUP TEN METALS INC	2.189	0	0
246619	52J04C303	(100) GROUP TEN METALS INC	2.189	0	0
246620	52J04C302	(100) GROUP TEN METALS INC	2.189	0	0
246621	52J04C329	(100) GROUP TEN METALS INC	2.189	0	0
248350	52J04B134	(100) GROUP TEN METALS INC	2.187	1	0
248760	52J04A006	(100) GROUP TEN METALS INC	2.186	0	0
248761	52J04B186	(100) GROUP TEN METALS INC	2.188	0	0
253288	52J04C287	(100) GROUP TEN METALS INC	2.188	0	0
253289	52J04C326	(100) GROUP TEN METALS INC	2.189	0	0
253724	52J04B075	(100) PATRICK PAUL RIIVES	2.187	0	0
254618	52J04C281	(100) GROUP TEN METALS INC	2.188	0	0
255055	52J04B156	(100) GROUP TEN METALS INC	2.187	0	0
256590	52J04B055	(100) GROUP TEN METALS INC	2.186	0	0
256591	52J04B098	(100) GROUP TEN METALS INC	2.187	0	0
257509	52J04H163	(100) GROUP TEN METALS INC	2.184	4	0
257543	52J04B110	(100) GROUP TEN METALS INC	2.187	0	0
257577	52J04G357	(100) GROUP TEN METALS INC	2.186	0	0
257619	52J04B147	(100) GROUP TEN METALS INC	2.187	0	0
257704	52J04A002	(100) GROUP TEN METALS INC	2.186	0	0
257705	52J04A023	(100) GROUP TEN METALS INC	2.186	0	0
257982	52J04B057	(100) GROUP TEN METALS INC	2.186	0	0
257983	52J04B076	(100) GROUP TEN METALS INC	2.187	2	0
257984	52J04B096	(100) GROUP TEN METALS INC	2.187	1	0
258133	52J04H094	(100) GROUP TEN METALS INC	2.183	0	0
258134	52J04H134	(100) GROUP TEN METALS INC	2.184	0	0
258790	52G13L019	(100) GROUP TEN METALS INC	2.189	0	0
259364	52J04G375	(100) GROUP TEN METALS INC	2.186	0	0

259365	52J04G394	(100) GROUP TEN METALS INC	2.186	0	0
259456	52J04C215	(100) GROUP TEN METALS INC	2.188	0	0
259457	52J04C255	(100) GROUP TEN METALS INC	2.188	0	0
259502	52J04C209	(100) GROUP TEN METALS INC	2.188	0	0
259526	52J04C294	(100) GROUP TEN METALS INC	2.188	0	0
260140	52J04H150	(100) GROUP TEN METALS INC	2.184	0	0
260418	52J04D338	(100) GROUP TEN METALS INC	2.189	0	0
260948	52J04H065	(100) GROUP TEN METALS INC	2.183	0	0
260949	52J04H084	(100) GROUP TEN METALS INC	2.183	0	0
261558	52J04H185	(100) GROUP TEN METALS INC	2.184	0	0
261559	52J04H184	(100) GROUP TEN METALS INC	2.184	0	0
261563	52J04C176	(100) GROUP TEN METALS INC	2.187	0	0
263442	52J04G219	(100) GROUP TEN METALS INC	2.184	0	0
263608	52J04H014	(100) GROUP TEN METALS INC	2.183	0	0
263609	52J04H031	(100) GROUP TEN METALS INC	2.183	0	0
264760	52J04B182	(100) GROUP TEN METALS INC	2.188	0	0
266218	52J04H049	(100) GROUP TEN METALS INC	2.183	0	0
266219	52J04H047	(100) GROUP TEN METALS INC	2.183	2	0
266824	52J04B121	(100) GROUP TEN METALS INC	2.187	0	0
266825	52J04C158	(100) GROUP TEN METALS INC	2.187	0	0
267184	52J04A083	(100) GROUP TEN METALS INC	2.187	0	0
267185	52J04B100	(100) GROUP TEN METALS INC	2.187	3	0
269757	52J04D358	(100) GROUP TEN METALS INC	2.189	0	0
271002	52J04C257	(100) GROUP TEN METALS INC	2.188	0	0
271422	52J04G199	(100) GROUP TEN METALS INC	2.184	0	0
271487	52J04B229	(100) GROUP TEN METALS INC	2.188	0	0
271568	52J04H013	(100) GROUP TEN METALS INC	2.183	0	0
271836	52J04C322	(100) GROUP TEN METALS INC	2.189	0	0
272846	52J04B144	(100) GROUP TEN METALS INC	2.187	0	0
273156	52J04B036	(100) PATRICK PAUL RIIVES	2.186	0	0
274759	52J04C179	(100) GROUP TEN METALS INC	2.187	0	0
276112	52J04B150	(100) GROUP TEN METALS INC	2.187	0	0
276113	52J04B167	(100) GROUP TEN METALS INC	2.187	0	0
276120	52J04H154	(100) GROUP TEN METALS INC	2.184	0	0
276121	52J04H153	(100) GROUP TEN METALS INC	2.184	0	0
276221	52J04A042	(100) GROUP TEN METALS INC	2.186	0	0
276765	52J04H121	(100) GROUP TEN METALS INC	2.184	2	0
276803	52J04D379	(100) GROUP TEN METALS INC	2.189	0	0
277386	52J04B172	(100) GROUP TEN METALS INC	2.187	0	0
277387	52J04B231	(100) GROUP TEN METALS INC	2.188	0	0
277482	52J04C195	(100) GROUP TEN METALS INC	2.188	0	0
277483	52J04C214	(100) GROUP TEN METALS INC	2.188	0	0
277897	52J04B059	(100) PATRICK PAUL RIIVES	2.186	0	0
277898	52J04B079	(100) PATRICK PAUL RIIVES	2.187	0	0
278052	52J04C315	(100) GROUP TEN METALS INC	2.189	0	0
278053	52J04C336	(100) GROUP TEN METALS INC	2.189	0	0
278921	52J04B192	(100) GROUP TEN METALS INC	2.188	2	0

278922	52J04B253	(100) GROUP TEN METALS INC	2.188	0	0
279017	52J04C172	(100) GROUP TEN METALS INC	2.187	0	0
279590	52J04C296	(100) GROUP TEN METALS INC	2.188	0	0
279591	52J04C333	(100) GROUP TEN METALS INC	2.189	0	0
281000	52J04H083	(100) GROUP TEN METALS INC	2.183	1	0
282283	52J04G100	(100) GROUP TEN METALS INC	2.183	0	0
282427	52J04C306	(100) GROUP TEN METALS INC	2.189	0	0
282428	52J04C324	(100) GROUP TEN METALS INC	2.189	0	0
283621	52J04C277	(100) GROUP TEN METALS INC	2.188	0	0
283690	52J04H071	(100) GROUP TEN METALS INC	2.183	0	0
284212	52J04B011	(100) GROUP TEN METALS INC	2.186	0	0
285487	52J04H041	(100) GROUP TEN METALS INC	2.183	0	0
286904	52J04C160	(100) GROUP TEN METALS INC	2.187	0	0
287761	52J04H224	(100) GROUP TEN METALS INC	2.185	0	0
287762	52J04H245	(100) GROUP TEN METALS INC	2.185	2	0
287779	52J04H283	(100) GROUP TEN METALS INC	2.185	0	0
287846	52J04A105	(100) GROUP TEN METALS INC	2.187	0	0
287871	52J04A068	(100) GROUP TEN METALS INC	2.187	0	0
287872	52J04B165	(100) GROUP TEN METALS INC	2.187	0	0
287983	52J04B093	(100) GROUP TEN METALS INC	2.187	0	0
288152	52J04B070	(100) GROUP TEN METALS INC	2.187	0	0
288153	52J04B128	(100) GROUP TEN METALS INC	2.187	0	0
288193	52J04D291	(100) GROUP TEN METALS INC	2.188	0	0
288854	52J04C272	(100) GROUP TEN METALS INC	2.188	0	0
288872	52J04C310	(100) GROUP TEN METALS INC	2.189	0	0
289118	52J04D378	(100) GROUP TEN METALS INC	2.189	0	0
289734	52J04H241	(100) GROUP TEN METALS INC	2.185	0	0
290214	52J04B012	(100) PATRICK PAUL RIIVES	2.186	0	0
290307	52J04H146	(100) GROUP TEN METALS INC	2.184	0	0
290496	52J04C283	(100) GROUP TEN METALS INC	2.188	0	0
290497	52J04C307	(100) GROUP TEN METALS INC	2.189	0	0
290498	52J04C323	(100) GROUP TEN METALS INC	2.189	0	0
290813	52J04B075	(100) GROUP TEN METALS INC	2.187	0	0
290814	52J04B095	(100) GROUP TEN METALS INC	2.187	0	0
291741	52J04H169	(100) GROUP TEN METALS INC	2.184	0	0
292225	52J04B157	(100) GROUP TEN METALS INC	2.187	0	0
293067	52J04H087	(100) GROUP TEN METALS INC	2.183	3	0
294920	52J04G340	(100) GROUP TEN METALS INC	2.185	0	0
294921	52J04G378	(100) GROUP TEN METALS INC	2.186	0	0
294922	52J04H381	(100) GROUP TEN METALS INC	2.186	0	0
294931	52J04D313	(100) GROUP TEN METALS INC	2.189	0	0
294956	52J04B171	(100) GROUP TEN METALS INC	2.187	0	0
295076	52J04H246	(100) GROUP TEN METALS INC	2.185	0	0
295093	52J04H284	(100) GROUP TEN METALS INC	2.185	0	0
295096	52J04A005	(100) GROUP TEN METALS INC	2.186	1	0
295097	52J04A041	(100) GROUP TEN METALS INC	2.186	0	0
295984	52J04B125	(100) GROUP TEN METALS INC	2.187	0	0

296227	52J04B213	(100) GROUP TEN METALS INC	2.188	4	0
296874	52J04C230	(100) GROUP TEN METALS INC	2.188	0	0
296893	52J04C274	(100) GROUP TEN METALS INC	2.188	0	0
296974	52J04H112	(100) GROUP TEN METALS INC	2.183	0	0
297008	52J04H106	(100) GROUP TEN METALS INC	2.183	0	0
298441	52J04H302	(100) GROUP TEN METALS INC	2.185	0	0
298907	52J04H201	(100) GROUP TEN METALS INC	2.184	5	0
301318	52J04B208	(100) GROUP TEN METALS INC	2.188	0	0
301939	52J04G392	(100) GROUP TEN METALS INC	2.186	0	0
302042	52J04B201	(100) GROUP TEN METALS INC	2.188	0	0
302696	52J04C178	(100) GROUP TEN METALS INC	2.187	0	0
303355	52J04G080	(100) GROUP TEN METALS INC	2.183	0	0
303356	52J04B084	(100) GROUP TEN METALS INC	2.187	0	0
303616	52J04B138	(100) GROUP TEN METALS INC	2.187	0	0
303617	52J04B137	(100) GROUP TEN METALS INC	2.187	0	0
307167	52J04G373	(100) GROUP TEN METALS INC	2.186	0	0
308104	52J04A026	(100) GROUP TEN METALS INC	2.186	1	0
308783	52J04H168	(100) GROUP TEN METALS INC	2.184	0	0
310723	52J04B141	(100) GROUP TEN METALS INC	2.187	0	0
311983	52J04B068	(100) GROUP TEN METALS INC	2.187	0	0
311984	52J04B130	(100) GROUP TEN METALS INC	2.187	0	0
312026	52J04D270	(100) GROUP TEN METALS INC	2.188	0	0
313358	52J04C252	(100) GROUP TEN METALS INC	2.188	0	0
313361	52J04H101	(100) GROUP TEN METALS INC	2.183	1	0
313362	52J04H123	(100) GROUP TEN METALS INC	2.184	0	0
313363	52J04H162	(100) GROUP TEN METALS INC	2.184	1	0
313463	52J04B194	(100) GROUP TEN METALS INC	2.188	0	0
313464	52J04B233	(100) GROUP TEN METALS INC	2.188	0	0
313927	52J04G376	(100) GROUP TEN METALS INC	2.186	0	0
313971	52J04B019	(100) PATRICK PAUL RIIVES	2.186	0	0
314071	52J04C232	(100) GROUP TEN METALS INC	2.188	0	0
314072	52J04C253	(100) GROUP TEN METALS INC	2.188	0	0
314107	52J04C210	(100) GROUP TEN METALS INC	2.188	0	0
314108	52J04C229	(100) GROUP TEN METALS INC	2.188	0	0
314132	52J04C295	(100) GROUP TEN METALS INC	2.188	0	0
314133	52J04C335	(100) GROUP TEN METALS INC	2.189	0	0
314919	52J04B132	(100) GROUP TEN METALS INC	2.187	0	0
318572	52J04B209	(100) GROUP TEN METALS INC	2.188	0	0
318669	52J04B012	(100) GROUP TEN METALS INC	2.186	0	0
319707	52J04B054	(100) PATRICK PAUL RIIVES	2.186	0	0
319708	52J04B053	(100) PATRICK PAUL RIIVES	2.186	4	11
319944	52J04B123	(100) GROUP TEN METALS INC	2.187	0	0
320216	52J04B052	(100) PATRICK PAUL RIIVES	2.186	0	0
320719	52J04B187	(100) GROUP TEN METALS INC	2.188	0	0
320816	52J04B184	(100) GROUP TEN METALS INC	2.188	0	0
320817	52J04B203	(100) GROUP TEN METALS INC	2.188	0	0
320963	52J04H170	(100) GROUP TEN METALS INC	2.184	0	0

322313	52J04H069	(100) GROUP TEN METALS INC	2.183	0	0
322314	52J04H068	(100) GROUP TEN METALS INC	2.183	0	0
323298	52J04A103	(100) GROUP TEN METALS INC	2.187	0	0
323756	52J04A027	(100) GROUP TEN METALS INC	2.186	1	0
324197	52J04B086	(100) GROUP TEN METALS INC	2.187	0	0
324198	52J04B108	(100) GROUP TEN METALS INC	2.187	0	0
324227	52J04G400	(100) GROUP TEN METALS INC	2.186	0	0
324228	52J04B020	(100) GROUP TEN METALS INC	2.186	0	0
324295	52J04H282	(100) GROUP TEN METALS INC	2.185	0	0
324298	52J04A022	(100) GROUP TEN METALS INC	2.186	0	0
324299	52J04A061	(100) GROUP TEN METALS INC	2.187	0	0
324745	52J04D274	(100) GROUP TEN METALS INC	2.188	0	0
324746	52J04D273	(100) GROUP TEN METALS INC	2.188	0	0
324747	52J04D332	(100) GROUP TEN METALS INC	2.189	0	0
324779	52J04H114	(100) GROUP TEN METALS INC	2.183	0	0
325435	52J04C271	(100) GROUP TEN METALS INC	2.188	0	0
325436	52J04C291	(100) GROUP TEN METALS INC	2.188	0	0
325437	52J04C290	(100) GROUP TEN METALS INC	2.188	0	0
325438	52J04C312	(100) GROUP TEN METALS INC	2.189	0	0
325519	52J04B173	(100) GROUP TEN METALS INC	2.187	0	0
326166	52J04C334	(100) GROUP TEN METALS INC	2.189	0	0
326689	52J04G374	(100) GROUP TEN METALS INC	2.186	0	0
326732	52J04B018	(100) PATRICK PAUL RIIVES	2.186	0	0
326733	52J04B039	(100) PATRICK PAUL RIIVES	2.186	0	0
327055	52J04G300	(100) GROUP TEN METALS INC	2.185	0	0
328094	52J04H044	(100) GROUP TEN METALS INC	2.183	0	0
328875	52J04H081	(100) GROUP TEN METALS INC	2.183	0	0
329466	52J04G220	(100) GROUP TEN METALS INC	2.184	0	0
329711	52J04C288	(100) GROUP TEN METALS INC	2.188	0	0
330205	52J04C297	(100) GROUP TEN METALS INC	2.188	0	0
330462	52J04B080	(100) GROUP TEN METALS INC	2.187	0	0
331040	52J04D299	(100) GROUP TEN METALS INC	2.188	0	0
331386	52J04G180	(100) GROUP TEN METALS INC	2.184	3	5
331770	52J04B060	(100) PATRICK PAUL RIIVES	2.186	0	0
331771	52J04B058	(100) PATRICK PAUL RIIVES	2.186	11	44
333212	52J04B189	(100) GROUP TEN METALS INC	2.188	0	0
333308	52J04B183	(100) GROUP TEN METALS INC	2.188	0	0
333918	52J04B105	(100) GROUP TEN METALS INC	2.187	0	0
333919	52J04B103	(100) GROUP TEN METALS INC	2.187	0	0
335786	52J04B073	(100) GROUP TEN METALS INC	2.187	0	0
335787	52J04B072	(100) GROUP TEN METALS INC	2.187	0	0
335788	52J04B113	(100) GROUP TEN METALS INC	2.187	0	0
336229	52J04A008	(100) GROUP TEN METALS INC	2.186	0	0
336230	52J04A046	(100) GROUP TEN METALS INC	2.186	0	0
336232	52J04B226	(100) GROUP TEN METALS INC	2.188	0	0
336304	52J04H208	(100) GROUP TEN METALS INC	2.184	0	0
339343	52J04B040	(100) GROUP TEN METALS INC	2.186	0	0

339344	52J04B060	(100) GROUP TEN METALS INC	2.186	0	0
341074	52J04B033	(100) PATRICK PAUL RIIVES	2.186	8	5
342075	52J04C286	(100) GROUP TEN METALS INC	2.188	0	0
342076	52J04C327	(100) GROUP TEN METALS INC	2.189	0	0
342558	52J04C259	(100) GROUP TEN METALS INC	2.188	0	0
342617	52J04H033	(100) GROUP TEN METALS INC	2.183	0	0
544168	52J04C300	(100) GROUP TEN METALS INC	2.189	0	0
544169	52J04B283	(100) GROUP TEN METALS INC	2.189	0	0
544170	52J04B263	(100) GROUP TEN METALS INC	2.188	0	0
544171	52J04C320	(100) GROUP TEN METALS INC	2.189	0	0
544172	52J04B223	(100) GROUP TEN METALS INC	2.188	0	0
544173	52J04B244	(100) GROUP TEN METALS INC	2.188	0	0
544174	52J04C280	(100) GROUP TEN METALS INC	2.188	0	0
544175	52J04B242	(100) GROUP TEN METALS INC	2.188	0	0
544176	52J04B243	(100) GROUP TEN METALS INC	2.188	0	0
544177	52J04B281	(100) GROUP TEN METALS INC	2.189	0	0
544178	52J04B261	(100) GROUP TEN METALS INC	2.188	0	0
544179	52J04B303	(100) GROUP TEN METALS INC	2.189	0	0
544180	52J04B264	(100) GROUP TEN METALS INC	2.188	0	0
544181	52J04B224	(100) GROUP TEN METALS INC	2.188	0	0
544182	52J04C240	(100) GROUP TEN METALS INC	2.188	0	0
544183	52J04B262	(100) GROUP TEN METALS INC	2.188	0	0
544184	52J04B241	(100) GROUP TEN METALS INC	2.188	0	0
544185	52J04B221	(100) GROUP TEN METALS INC	2.188	0	0
544186	52J04B282	(100) GROUP TEN METALS INC	2.189	0	0
544187	52J04C260	(100) GROUP TEN METALS INC	2.188	0	0
544188	52J04B301	(100) GROUP TEN METALS INC	2.189	0	0
544189	52J04B302	(100) GROUP TEN METALS INC	2.189	0	0
544190	52J04B222	(100) GROUP TEN METALS INC	2.188	0	0
544191	52J04B304	(100) GROUP TEN METALS INC	2.189	0	0
544192	52J04B284	(100) GROUP TEN METALS INC	2.189	0	0
544193	52J04B306	(100) GROUP TEN METALS INC	2.189	0	0
544194	52J04B268	(100) GROUP TEN METALS INC	2.188	0	0
544195	52J04B286	(100) GROUP TEN METALS INC	2.189	0	0
544196	52J04B308	(100) GROUP TEN METALS INC	2.189	0	0
544197	52J04B248	(100) GROUP TEN METALS INC	2.188	0	0
544198	52J04B245	(100) GROUP TEN METALS INC	2.188	0	0
544199	52J04B285	(100) GROUP TEN METALS INC	2.189	0	0
544200	52J04B246	(100) GROUP TEN METALS INC	2.188	0	0
544201	52J04B288	(100) GROUP TEN METALS INC	2.189	0	0
544202	52J04B305	(100) GROUP TEN METALS INC	2.189	0	0
544203	52J04B266	(100) GROUP TEN METALS INC	2.188	0	0
544204	52J04B247	(100) GROUP TEN METALS INC	2.188	0	0
544205	52J04B287	(100) GROUP TEN METALS INC	2.189	0	0
544206	52J04B267	(100) GROUP TEN METALS INC	2.188	0	0
544207	52J04B265	(100) GROUP TEN METALS INC	2.188	0	0
544208	52J04B307	(100) GROUP TEN METALS INC	2.189	0	0

544209	52J04B327	(100) GROUP TEN METALS INC	2.189	0	0
544210	52J04B328	(100) GROUP TEN METALS INC	2.189	0	0
544211	52J04B326	(100) GROUP TEN METALS INC	2.189	0	0
544212	52J04B323	(100) GROUP TEN METALS INC	2.189	0	0
544213	52J04B325	(100) GROUP TEN METALS INC	2.189	0	0
544214	52J04B324	(100) GROUP TEN METALS INC	2.189	0	0
544215	52J04B346	(100) GROUP TEN METALS INC	2.189	0	0
544216	52J04B348	(100) GROUP TEN METALS INC	2.189	0	0
544217	52J04B347	(100) GROUP TEN METALS INC	2.189	0	0
544264	52J04G196	(100) GROUP TEN METALS INC	2.184	0	0
544265	52J04G197	(100) GROUP TEN METALS INC	2.184	0	0
544266	52J04G198	(100) GROUP TEN METALS INC	2.184	0	0
544267	52J04G214	(100) GROUP TEN METALS INC	2.184	0	0
544268	52J04G215	(100) GROUP TEN METALS INC	2.184	0	0
544269	52J04G216	(100) GROUP TEN METALS INC	2.184	0	0
544270	52J04G217	(100) GROUP TEN METALS INC	2.184	0	0
544271	52J04G218	(100) GROUP TEN METALS INC	2.184	0	0
544272	52J04G234	(100) GROUP TEN METALS INC	2.184	0	0
544273	52J04G235	(100) GROUP TEN METALS INC	2.184	0	0
544274	52J04G236	(100) GROUP TEN METALS INC	2.184	0	0
544275	52J04G237	(100) GROUP TEN METALS INC	2.184	0	0
544276	52J04G238	(100) GROUP TEN METALS INC	2.184	0	0
544277	52J04G239	(100) GROUP TEN METALS INC	2.184	0	0
544278	52J04G254	(100) GROUP TEN METALS INC	2.185	0	0
544279	52J04G255	(100) GROUP TEN METALS INC	2.185	0	0
544280	52J04G256	(100) GROUP TEN METALS INC	2.185	0	0
544281	52J04G257	(100) GROUP TEN METALS INC	2.185	0	0
544282	52J04G258	(100) GROUP TEN METALS INC	2.185	0	0
544283	52J04G259	(100) GROUP TEN METALS INC	2.185	0	0
544284	52J04G274	(100) GROUP TEN METALS INC	2.185	0	0
544285	52J04G275	(100) GROUP TEN METALS INC	2.185	0	0
544286	52J04G276	(100) GROUP TEN METALS INC	2.185	0	0
544287	52J04G277	(100) GROUP TEN METALS INC	2.185	0	0
544288	52J04G278	(100) GROUP TEN METALS INC	2.185	2	0
544289	52J04G294	(100) GROUP TEN METALS INC	2.185	0	0
544290	52J04G295	(100) GROUP TEN METALS INC	2.185	0	0
544291	52J04G296	(100) GROUP TEN METALS INC	2.185	0	0
544292	52J04G297	(100) GROUP TEN METALS INC	2.185	0	0
544293	52J04G298	(100) GROUP TEN METALS INC	2.185	0	0
544294	52J04G315	(100) GROUP TEN METALS INC	2.185	0	0
544295	52J04G316	(100) GROUP TEN METALS INC	2.185	0	0
544296	52J04G317	(100) GROUP TEN METALS INC	2.185	0	0
544297	52J04G318	(100) GROUP TEN METALS INC	2.185	0	0
544298	52J04G333	(100) GROUP TEN METALS INC	2.185	0	0
544299	52J04G334	(100) GROUP TEN METALS INC	2.185	0	0
544300	52J04G335	(100) GROUP TEN METALS INC	2.185	0	0
544301	52J04G336	(100) GROUP TEN METALS INC	2.185	0	0

544302	52J04G352	(100) GROUP TEN METALS INC	2.186	0	0
544303	52J04G353	(100) GROUP TEN METALS INC	2.186	0	0
544304	52J04G354	(100) GROUP TEN METALS INC	2.186	0	0
544305	52J04G355	(100) GROUP TEN METALS INC	2.186	0	0
544306	52J04G356	(100) GROUP TEN METALS INC	2.186	0	0
544307	52J04G372	(100) GROUP TEN METALS INC	2.186	0	0
544345	52J04I390	(100) GROUP TEN METALS INC	2.181	0	0
544346	52J04H009	(100) GROUP TEN METALS INC	2.183	0	0
544347	52J04H012	(100) GROUP TEN METALS INC	2.183	0	0
544348	52J04H010	(100) GROUP TEN METALS INC	2.183	0	0
544349	52J04I389	(100) GROUP TEN METALS INC	2.181	0	0
544350	52J04H011	(100) GROUP TEN METALS INC	2.183	0	0
544351	52J04I391	(100) GROUP TEN METALS INC	2.181	0	0
544352	52J04I392	(100) GROUP TEN METALS INC	2.181	0	0
544353	52J04H029	(100) GROUP TEN METALS INC	2.183	2	0
544354	52J04H028	(100) GROUP TEN METALS INC	2.183	1	0
544355	52J04B345	(100) GROUP TEN METALS INC	2.189	0	0
544356	52J04B344	(100) GROUP TEN METALS INC	2.189	0	0
544357	52J04B343	(100) GROUP TEN METALS INC	2.189	0	0
571646	52J04C289	(100) GROUP TEN METALS INC	2.188	0	0
571647	52J04C309	(100) GROUP TEN METALS INC	2.189	0	0
571648	52J04C199	(100) GROUP TEN METALS INC	2.188	0	0
571649	52J04C200	(100) GROUP TEN METALS INC	2.188	0	0
571650	52J04B181	(100) GROUP TEN METALS INC	2.188	0	0
571651	52J04C219	(100) GROUP TEN METALS INC	2.188	0	0
571652	52J04B161	(100) GROUP TEN METALS INC	2.187	0	0
582957	52J04H127	(100) GROUP TEN METALS INC	2.184	0	0
582958	52J04H085	(100) GROUP TEN METALS INC	2.183	0	0
582959	52J04H091	(100) GROUP TEN METALS INC	2.183	0	0
582990	52J04H149	(100) GROUP TEN METALS INC	2.184	0	0
582991	52J04H092	(100) GROUP TEN METALS INC	2.183	0	0
582992	52J04H086	(100) GROUP TEN METALS INC	2.183	0	0
582993	52J04H222	(100) GROUP TEN METALS INC	2.184	0	0
582994	52J04H204	(100) GROUP TEN METALS INC	2.184	7	0
582995	52J04H203	(100) GROUP TEN METALS INC	2.184	0	0
582996	52J04H205	(100) GROUP TEN METALS INC	2.184	0	0
582997	52J04H131	(100) GROUP TEN METALS INC	2.184	0	0
582998	52J04G280	(100) GROUP TEN METALS INC	2.185	0	0
582999	52J04H261	(100) GROUP TEN METALS INC	2.185	0	0
583000	52J04H110	(100) GROUP TEN METALS INC	2.183	0	0
583001	52J04H202	(100) GROUP TEN METALS INC	2.184	2	0
583002	52J04H206	(100) GROUP TEN METALS INC	2.184	0	0
583003	52J04H262	(100) GROUP TEN METALS INC	2.185	0	0
583004	52J04H128	(100) GROUP TEN METALS INC	2.184	1	0
583005	52J04H105	(100) GROUP TEN METALS INC	2.183	0	0
583006	52J04H050	(100) GROUP TEN METALS INC	2.183	0	0
583007	52J04H066	(100) GROUP TEN METALS INC	2.183	0	0

583008	52J04H126	(100) GROUP TEN METALS INC	2.184	0	0
583009	52J04H113	(100) GROUP TEN METALS INC	2.183	0	0
583010	52J04H148	(100) GROUP TEN METALS INC	2.184	1	0
583011	52J04H046	(100) GROUP TEN METALS INC	2.183	2	0
583012	52J04H109	(100) GROUP TEN METALS INC	2.183	1	0
583013	52J04H090	(100) GROUP TEN METALS INC	2.183	0	0
583014	52J04H132	(100) GROUP TEN METALS INC	2.184	0	0
583015	52J04H133	(100) GROUP TEN METALS INC	2.184	0	0
583016	52J04H107	(100) GROUP TEN METALS INC	2.183	0	0
583017	52J04H093	(100) GROUP TEN METALS INC	2.183	0	0
583018	52J04H070	(100) GROUP TEN METALS INC	2.183	0	0
583019	52J04H108	(100) GROUP TEN METALS INC	2.183	3	0
583020	52J04H125	(100) GROUP TEN METALS INC	2.184	0	0
583021	52J04H242	(100) GROUP TEN METALS INC	2.185	0	0
583022	52J04H129	(100) GROUP TEN METALS INC	2.184	0	0
584741	52J04H130	(100) GROUP TEN METALS INC	2.184	0	0
TOTALS			**1574**	**238**	**258**