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Assessment Report
On the
Fairchild Lake Property
Patricia Mining Division
Northwestern Ontario
Canada

Prepared for

Fairchild Gold Corp.
9285 203B Street
Langley, British Columbia,
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Prepared by:

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May 1, 2021

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1.0 SUMMARY

Prospectair Geosurveys was contracted to conduct a heliborne magnetic (MAG) and time-domain electromagnetic (TDEM) survey on the Fairchild Lake Property. The survey was flown on April 24th, 2020. One survey block was flown for a total of 323 line kilometers. A total of 3 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 85 km to the southwest of the block. The block lies about 20 km to the north of the village of Savant Lake. The block was flown with traverse lines at 100 m spacing and control lined spaced every 1000 m. The survey lines were oriented 358. The control lines were oriented perpendicular to the traverse lines.

Clark Exploration and Consulting employees carried out a program of prospecting, mapping, soil geochemical sampling, and lake bottom sediment sampling on the Property from June 8th to June 27th and July 27th to August 3rd. In total 23 days were spent on the Property with 4 days for mob/de-mob. The 2020 program was supported by boat; field crews were based in Savant Lake. The total exploration expenditure for the program was $145,093.

The Property is located approximately 250 km northwest of the City of Thunder Bay, in Northwestern Ontario. Fairchild Gold Corp. has the right to acquire a 100 % interest in the property encompassing 108 mining claims cells subject to the terms of the Option Agreement (as defined below). The centre of the property is located approximately at 657849 E, 5587148 N, NAD 83 UTM Zone 15N.

The Property lies in the western arm of the Savant Lake greenstone belt. This western end is terminated by the Miniss River Fault System while the eastern end expands into the Savant Lake greenstone belt proper. The Savant Lake greenstone belt marks the limit of the northerly development of the Wabigoon Subprovince. The property is transected by the east-west trending Kashaweogama Lake Fault. This fault divides the property geology in the centre of the lake. The north shore is dominated by mafic to ultramafic flows intercalated with magnetite-rich chemical sediments, all part of the Jutten Volcanic Sequence. The southern shoreline marks the northern limit of the Handy Lake Volcanic Sequence. The Dickson Lake Pluton, a massive granodiorite unit, is the most prominent of the late stage felsic intrusions. This type of geological and structural environment can host both the "greenstone-hosted quartz-carbonate vein deposits" as defined by Robert et. al. (1997) and Archean-aged orogenic gold deposits as defined by Groves et al. (1998).

Historical and recent exploration work has indicated the presence of elevated, or anomalous, gold values in grab, soil, and lake bottom sediment samples over an area in close proximity to the Kashaweogama fault system. This fault system represents a major crustal break within this greenstone belt, similar to the LP fault discovered by Great Bear Resources in the Red Lake District. However, the Author has not verified information with respect to the LP fault discovered by Great Bear Resources, and information in this report with respect to the LP fault is not

necessarily indicative of the mineralization on the Property. Both deposit models described in the report require this type of faulting. This environment represents a promising geological setting to host economic gold mineralization. There are no mineral resources, reserve estimates, or historical gold production for the Property.

The highest anomalous gold values are from the Sidore Prospect that returned 19.2 g/t Au from an outcrop grab sample A934502 and a float sample A934501 taken in the same area that returned a value of 6.89 g/t Au. The Hoey showings returned anomalous gold values in the 2019 program returning 1.72g/t Au and 0.732 g/t Au from a quartz vein and adjacent mafic volcanics, respectively. The area requires further exploration to better outline the areas of mineralization. The Cliff showing area returned 334 ppb Au, 1.8g/t Ag (B181294), 123 ppb Au, 5.5g/t Ag, 0.2% Pb (B181289), and 15 ppb Au, 1.8g/t Ag, 309 ppm Cu, 0.15% Zn (B181291). These anomalous values warrant further exploration to delineate structures and areas of mineralization.

Anomalous gold values found in the limited soil sampling correspond well with interpreted airborne magnetic highs that may be attributed with the underlying mafic volcanics and chemical sediments. Further infill sampling is required to define an anomalous trend. Limited lake bottom sampling returned an anomalous value of 23 ppb Au in sample B181507, indicating positive exploration potential beneath the lake.

An exploration program is recommended comprised of detailed geological mapping, manual outcrop stripping, washing, and sampling be completed on the four main historical zones that have been located if overburden depths allow. In addition, further prospecting and mapping should be completed to locate other historic trenches such as the Ramsay-Johnson, North Zone, Stringer Zone, and 11W Trench showings. Positive results from the preliminary summer soil sampling in 2020 should be followed up with extended lines and infill on 25 m centres to help further delineate a mineralized trend.

Additional soil sample grids should be completed at 100m spaced lines and 25m centres over top of the iron formation on the southern part of the property to identify areas of gold mineralization. Grids will be set up over areas of interpreted faulting as these structures are favourable for mineralization. The target 7 area is of high priority as it shows clear evidence of tight folding, where level repetition, horizons thickening, and higher concentrations of mineralization can occur.

2.0 INTRODUCTION

Prospectair Geosurveys was contracted to conduct a heliborne magnetic (MAG) and time-domain electromagnetic (TDEM) survey on the Fairchild Lake Property. The survey was flown on April 24th, 2020. One survey block was flown for a total of 323 line kilometers. A total of 3 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 85 km to the southwest of the block. The block lies about 20 km to the north of the village of Savant Lake. The block was flown with traverse lines at 100 m spacing and control lined spaced every 1000 m. The survey lines were oriented 358. The control lines were oriented perpendicular to the traverse lines.

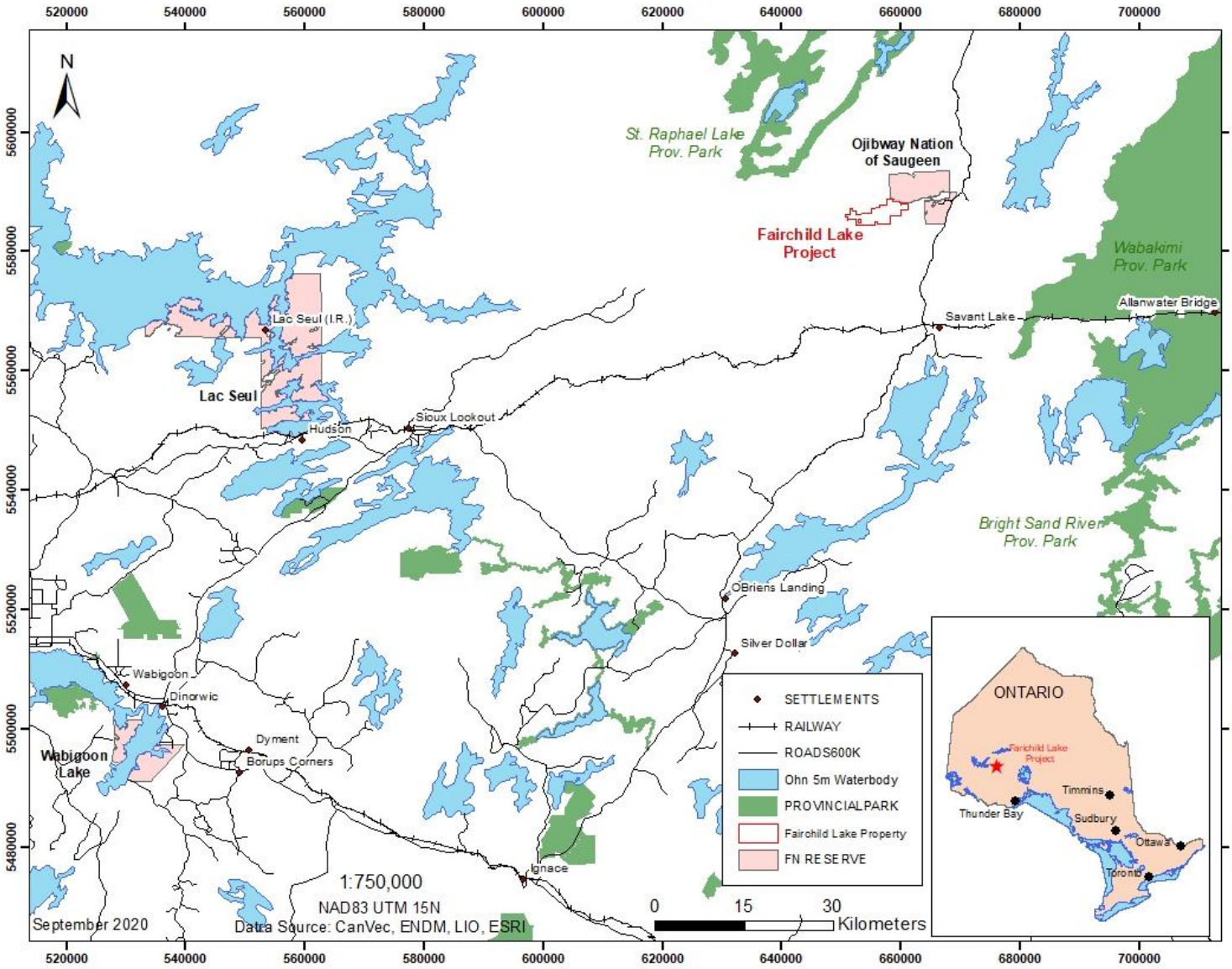
Clark Exploration and Consulting employees carried out a program of prospecting, mapping, soil geochemical sampling, and lake bottom sediment sampling on the Property from June 8th to June 27th and July 27th to August 3rd. In total 23 days were spent on the Property with 4 days for mob/de-mob. The 2020 program was supported by boat; field crews were based in Savant Lake.

The Property lies in the Patricia Mining Division, Northwestern Ontario (Figure 1). The Report is based on published literature and Ministry of Energy Northern Development and Mines (MENDM) assessment files and work carried out by Clark Exploration and Consulting.

The Property lies in the western arm of the Savant Lake greenstone belt. This western end is terminated by the Miniss River Fault System while the eastern end expands into the Savant Lake greenstone belt proper. The Savant Lake greenstone belt marks the limit of the northerly development of the Wabigoon Subprovince. The Property is transected by the east-west trending Kashaweogama Lake Fault. This fault divides the Property geology in the centre of the lake. The north shore is dominated by mafic to ultramafic flows intercalated with magnetite-rich chemical sediments, all part of the Jutten Volcanic Sequence. The southern shoreline marks the northern limit of the Handy Lake Volcanic Sequence. The Dickson Lake Pluton, a massive granodiorite unit, is the most prominent of the late stage felsic intrusions. This type of geological and structural environment can host both the "greenstone-hosted quartz-carbonate vein deposits" as defined by Robert et. al. (1997) and Archean-aged orogenic gold deposits as defined by Groves et al. (1998).

The Property is located approximately 250 km northwest of the City of Thunder Bay, in Northwestern Ontario. Fairchild Gold Corp. has the right to acquire a 100 % interest in the Property encompassing 108 mining claims cells subject to the terms of the Option Agreement.

Figure 1: Property Location



3.0 PROPERTY DESCRIPTION AND LOCATION

The Property is located approximately 250 km northwest of the City of Thunder Bay and 19km NNW of the village of Savant Lake (Figure 1) in the Armit Lake Area, within the Patricia Mining Division (NTS map sheet 52J/7). The centre of the Property is located approximately at 657849 E, 5587148 N, NAD 83 UTM Zone 15N.

The Property is comprised of 25 single-cell and multi-cell claims (108 cells) totalling 2224 hectares. The claims are shown in Figure 2 and are listed in Table 1. The total work requirements for all claims is $43,000 annually. The claims are held 100% by EMX Properties (Canada) Inc., a subsidiary of EMX Royalty Corporation.

On April 10, 2018, Ontario converted their manual system of ground and paper staking and maintaining unpatented mining claims to an online system. All active, unpatented claims were converted from their legally defined location by claim posts on the ground or by township survey to a cell-based provincial grid. Mining claims are now legally defined by their cell position on the grid and coordinate location in the Mining Land Administration System (“MLAS”) map viewer.

The proposed exploration program in this report is subject to the guidelines, policies and legislation of the Ontario Ministry of Energy, Northern Development and Mines (“MENDM”), the Ontario Ministry of Natural Resources and Forestry and the Federal Department of Fisheries and Oceans regarding surface exploration, stream crossings, and work being carried out near rivers and bodies of water.

No mineral resources, reserves or mines existing prior to the mineralization described in this report are known by the Author to occur on the Property. There are no known environmental liabilities associated with the Property, and there are no other known factors or risks that may affect access, title, or the right or ability to perform work on the Property. The mining claims do not give the claim holder title to or interest in the surface rights on those claims, and as the land is Crown land, legal access to the claims is available by public roads which cross the Property.

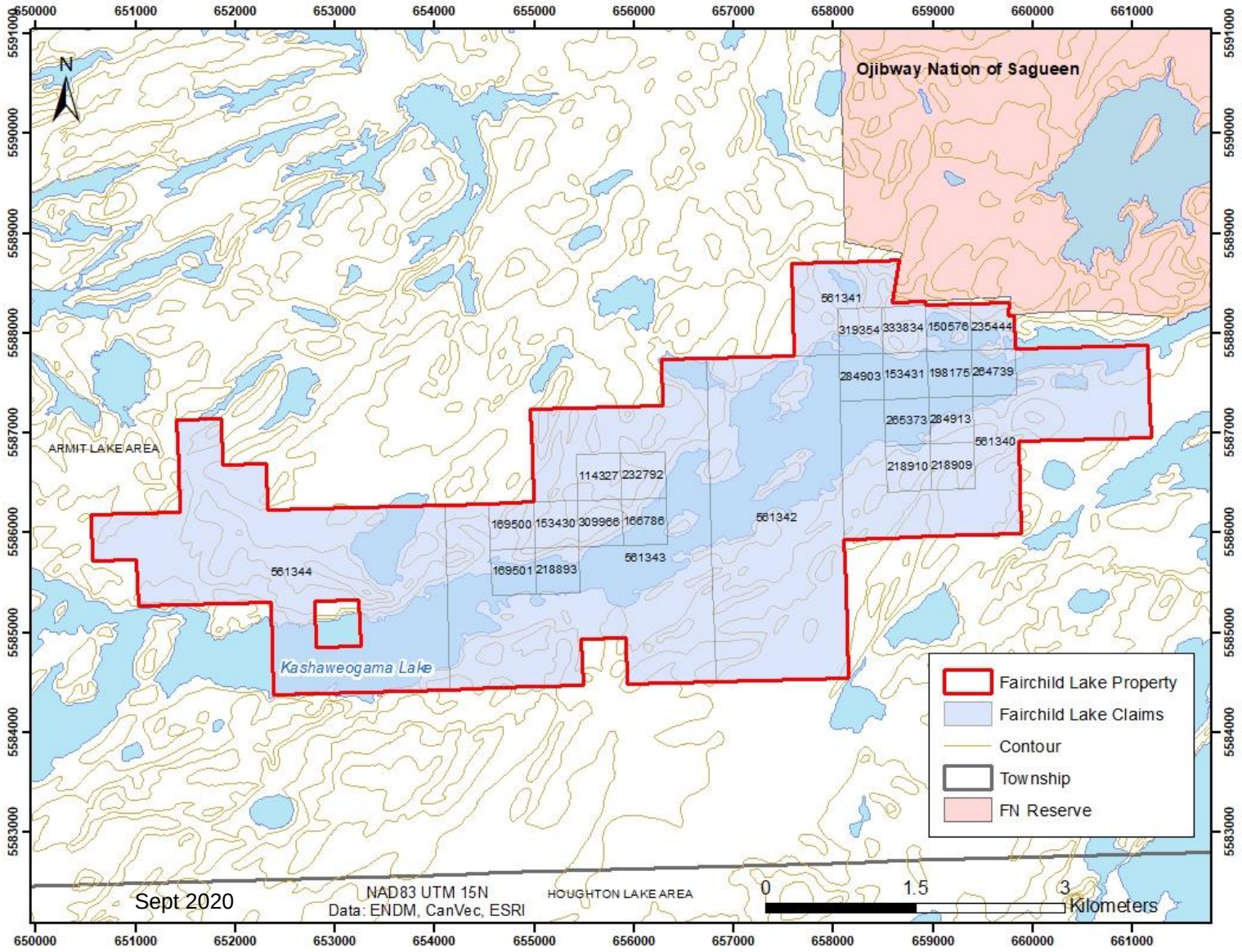
The Property has a valid permit (PR-20-000056) for diamond drilling, trenching and stripping, line cutting, and geophysics requiring a generator. All early exploration activities are subject to the terms and conditions of the permit.

It should be noted that the northeastern boundary of the claim block abuts the reserve lands of Ojibway Nation of Saugeen and the boat launch access to Kashaweogama Lake is through this First Nation reserve. Continued communications of ongoing and planned exploration work is critical to avoid potential future conflicts with this First Nation community.

Table 1: Fairchild Lake Claims

CELL NUMBER	TYPE	ANNIVERSARY	HOLDER	TOWNSHIP	# of Cells	WORK REQUIRED
114327	Single Cell Mining Claim	2021-12-15	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	1	$400
150576	Single Cell Mining Claim	2021-12-15	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	1	$400
153430	Single Cell Mining Claim	2021-12-15	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	1	$400
153431	Single Cell Mining Claim	2021-12-15	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	1	$400
166786	Single Cell Mining Claim	2021-12-15	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	1	$400
169500	Single Cell Mining Claim	2021-12-15	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	1	$400
169501	Single Cell Mining Claim	2021-12-15	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	1	$400
198175	Single Cell Mining Claim	2021-12-15	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	1	$400
218893	Single Cell Mining Claim	2021-12-15	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	1	$400
218909	Single Cell Mining Claim	2021-12-15	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	1	$400
218910*	Single Cell Mining Claim	2021-12-15	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	1	$400
232792	Single Cell Mining Claim	2021-12-15	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	1	$400
235444	Single Cell Mining Claim	2021-12-15	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	1	$400
264739	Single Cell Mining Claim	2021-12-15	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	1	$400
265373	Single Cell Mining Claim	2021-12-15	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	1	$400
284903	Single Cell Mining Claim	2021-12-15	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	1	$400
284913	Single Cell Mining Claim	2021-12-15	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	1	$400
309966	Single Cell Mining Claim	2021-12-15	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	1	$400
319354	Single Cell Mining Claim	2021-12-15	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	1	$400
333834	Single Cell Mining Claim	2021-12-15	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	1	$400
561340	Multi-cell Mining Claim	2021-10-07	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	14	$5,600
561341	Multi-cell Mining Claim	2021-10-07	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	4	$1,600
561342	Multi-cell Mining Claim	2021-10-07	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	21	$8,400
561343	Multi-cell Mining Claim	2021-10-07	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	24	$9,600
561344	Multi-cell Mining Claim	2021-10-07	(100) EMX Properties (Canada) Inc	ARMIT LAKE AREA	25	$10,000

Figure 2: Fairchild Lake Property Map



5.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

The Property is located approximately 250 km northwest of the City of Thunder Bay and 19km NNW of the village of Savant Lake (Figure 1) in the Armit Lake Area, within the Patricia Mining Division (NTS map sheet 52J/7). The centre of the Property is located approximately at 657849 E, 5587148 N, NAD 83 UTM Zone 15N.

Savant Lake is a village situated on Highway 599. The community has basic amenities such as accommodations, fuel and food and is a Canadian National Railway service point for the northern cross Canada CNR route. Power lines stretch along Highway 599 and there is a proposed 220 kV line that began construction in July 2020 constructed by Watay Power that will run from Dinorwic to Pickle Lake. The closest source of natural gas is the Trans-Canada line lying along the Highway 17 corridor, 130km to the south.

The City of Thunder Bay has a population of 110,000 and provides support services, equipment and skilled labour for both the minerals exploration and mining industries. Rail, national highway, port and international airport services are also available out of Thunder Bay.

From Thunder Bay, the Property can be reached by travelling west on Highway 17 for 246 km to the town of Ignace and continuing along highway 599 for 129 km to the village of Savant Lake. From Savant Lake, access to the Property can either be gained by boat utilizing the boat launch at the eastern end of Kashaweogama Lake on the Ojibway Nation of Saugeen Land or by utilizing Rusty Myers air service located just outside of Savant Lake for a short flight to Kashaweogama Lake. The southern part of the Property can also be accessed via numerous logging roads north from Highway 516.

The terrain is fairly typical for the Pre-Cambrian of north-west Ontario, with low rolling hills and swamp/marsh. Property elevation ranges from 391 to 439 metres above mean sea level ('MSL'). Natural vegetation has been dramatically modified by logging and periodic forest fires. Storms and associated microbursts have caused local, significant blow down. Hill tops are generally clearer, with relict jack pine predominant; otherwise, the area now supports a mixed bush of spruce, poplar, pine, birch and alders with almost no old growth remaining.

The climate in the Savant Lake area is described as warm-summer humid continental (climate type Dfb according to the Köppen climate classification system). Mean daily temperatures range from -18˚C in January to +18˚C in July. Annual precipitation averages 70 cm, mainly occurring as summer showers, which includes a total of about two metres of snow. Snow usually starts falling during late October and starts melting during March but is not normally fully melted until late April. Late-season snow in May does occur. Fieldwork and drilling are possible year-round on the Property although certain wetter areas are more easily accessible when frozen in the winter.

The land holdings are sufficient to allow for exploration and development. The potential surface rights holdings, that can be triggered when the claims go to lease, are sufficient for development of infrastructure to sustain a mining operation.

6.0 PROPERTY HISTORY

There are no mineral resources, reserve estimates, or historical gold production for the Property. Relevant historical exploration work conducted on the Property is summarized below. The dominant source of this information were assessment reports filed with the MENDM.

1920 - Ontario Bureau of Mines (AFRI 52J07NW2651): Conducted a magnetic survey over Kashaweogama Lake for the Ontario Bureau of Mines.

1975 – F. Hoey (AFRI 52J07NW0037): Performed manual stripping and trenching in the vicinity of claim 218893. No results were reported.

1981 – S. Johnson (AFRI 52J07NW0021): Conducted a magnetometer survey across a single claim. The reading at all stations were similar and no anomalies were located.

1981 &82 – Stargazer Resources (AFRI 52J09SW2355): Field operations included line cutting and ground geophysics, trenching and pitting, as well as 5 diamond drill holes totalling 2081ft. These operations were carried out along several locations from Fairchild Lake to Savant Lake. Two of the drill holes fall on the Property. Drill hole 82-4 returned no anomalous Au results and drill hole 82-5 near the Hoey showings returned values of 102 to 136 ppb Au over 20, 10, and 3.2 foot intervals respectively.

1985 & 86 – Dome Exploration (AFRI20000005277): Carried out a diamond drilling program of eight (8) holes totaling 906.5m at the western end of Kashaweogama Lake. One of the holes may fall on claim 561344. Assay results were not reported.

1988 & 1989 - Redaurum Red Lake Mines Ltd (AFRI 52J07NE0006, 52J07NE0002, 52J07NE8877): Conducted a VLF-EM survey over the eastern portion of the current Property. A total of 51.8 miles of line were established. In total there were 51.8 line miles of magnetic survey and 95.7 line miles of VLF-EM completed. A total of 390 soil and 152 rock samples were collected. Highlighted samples from the Johnson showing (also known as the Sidore prospect) returned 95.36 g/t Au (8646), 4.46g/t Au (8870) and 1.406 g/t Au (8880) (Figure 3). Soil sampling outlined two areas of higher gold geochemical values located south of Duck Pond Lake. Trenching and sampling consisting of five (5) trenches east of duck pond (Claim 561340) were completed. Trench 5 returned one assay of 1.337 g/t Au (8872) (Figure 4).

Figure 3: Sketch of Sidore (Johnson) showing Redaurum 1989

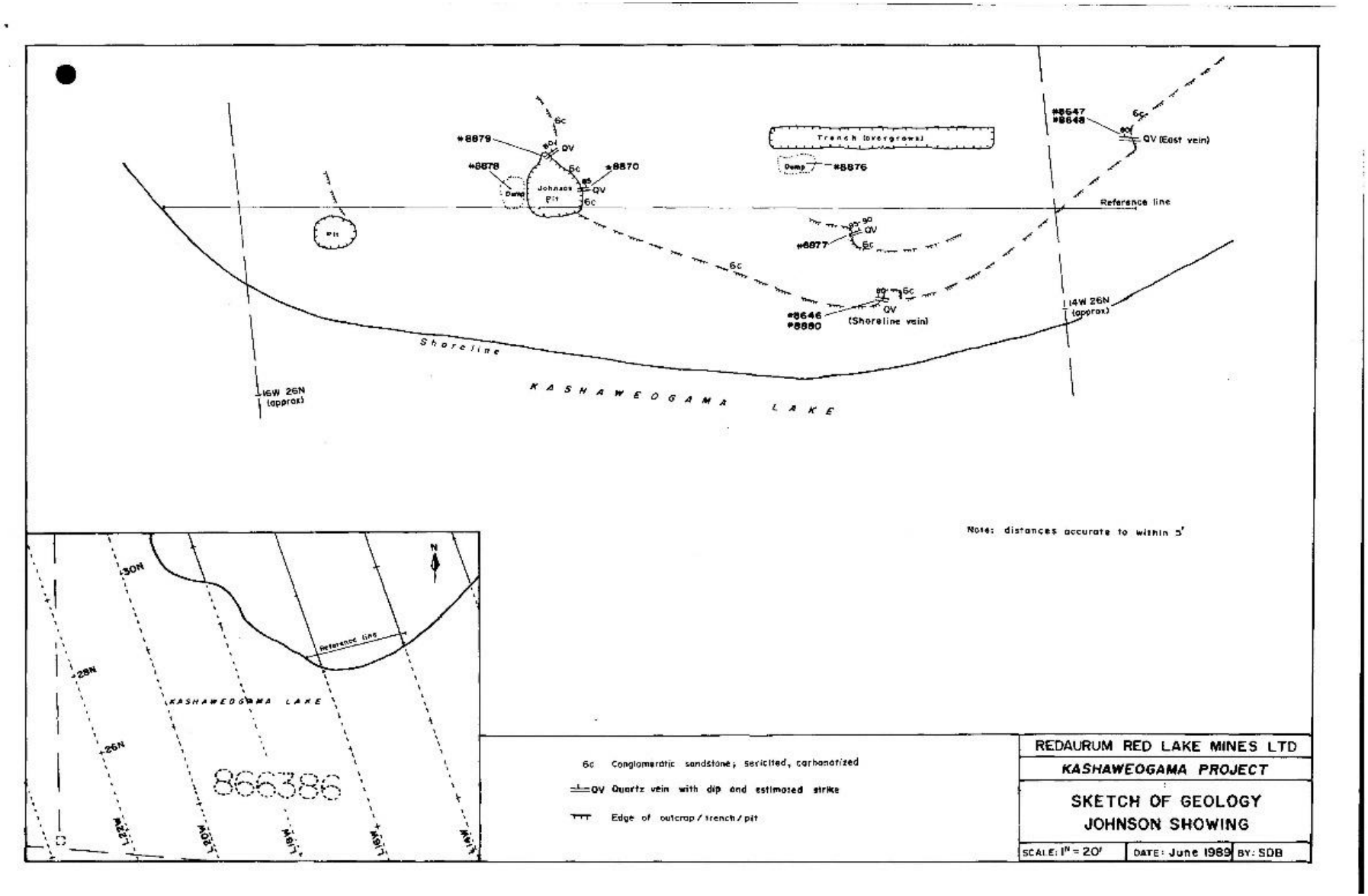
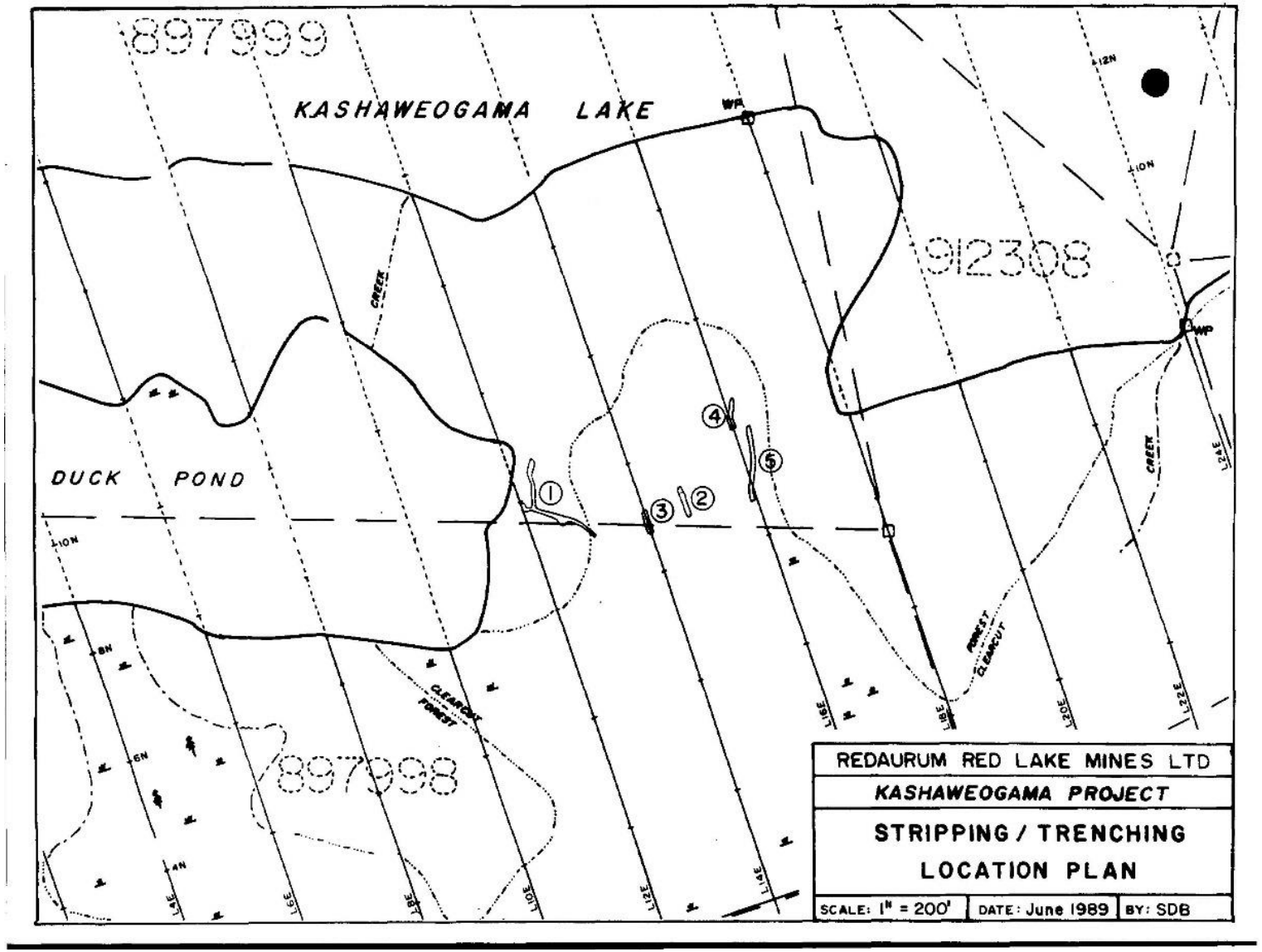


Figure 4: Sketch of trenching locations Redaurum 1989

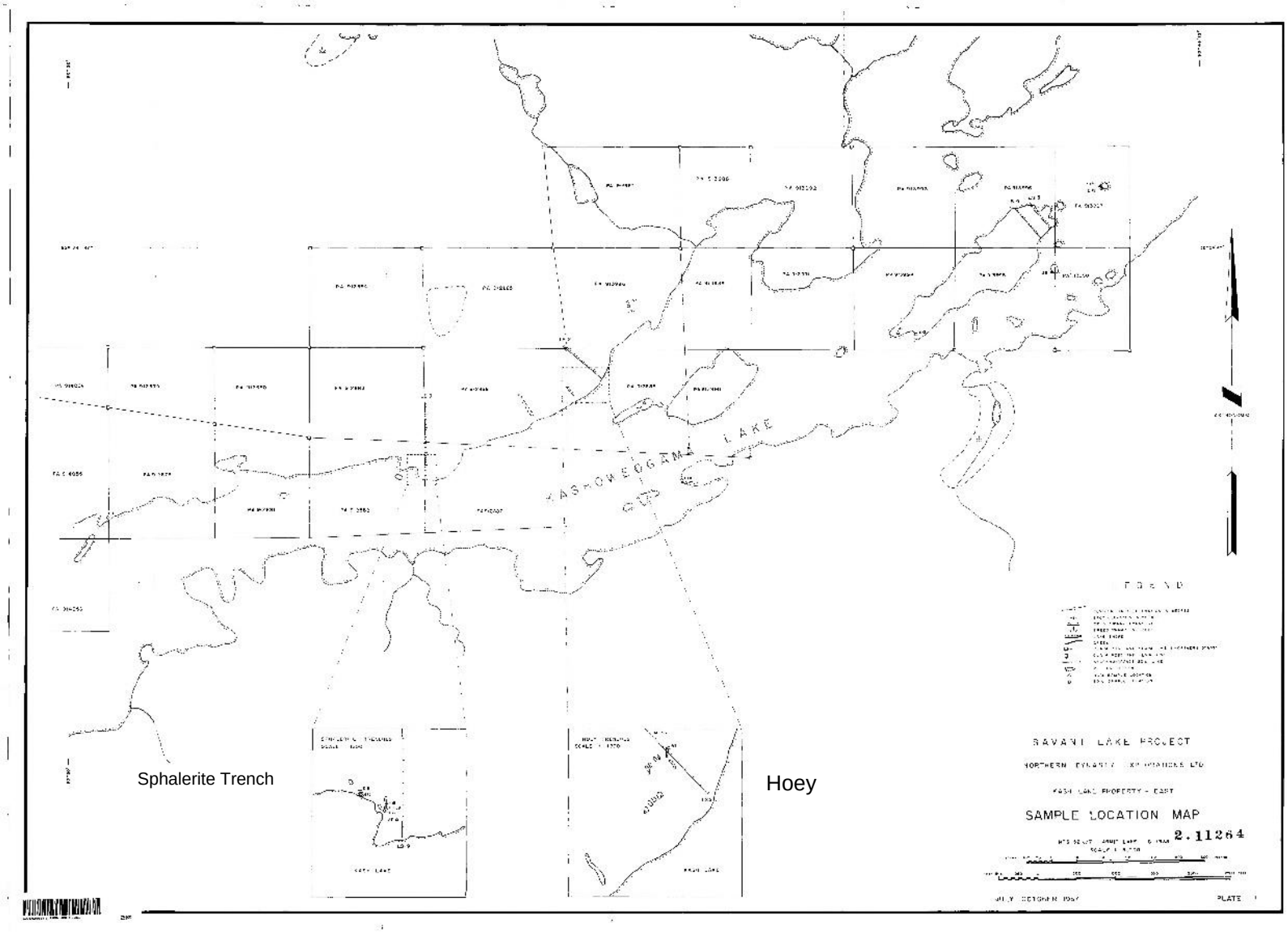


1987-89 – Northern Dynasty Exploration Ltd (AFRI 52J07NW0011, 52J07NW8931, 52J07NW0012, 52J07NW0007): Over the 1987 and 1988 field seasons a program of geological mapping and sampling was executed. The Hoey showing samples returned multiple assays over 1.3 g/t Au up to 8.39 g/t Au. Sampling was focused on three main zones of mineralization and alteration; the "Hoey Zone", the Sphalerite Trench and the Alteration island zone (Figure 5). Both lithological and soil samples were taken. The Hoey showing returned values of 1.86 g/t Au (J53) and 1.15 g/t Au (R3). The "Sphalerite Zone returned values of 4.79 g/t Au (E16) and 2.84 g/t Au (J8). The "Alteration Island Zone' returned values of 2.35 g/t Au (G127), 5.44g/t Au (E150) and 3.11 g/t Au (G4). The Hoey zone referenced is on claim 166786. The "Sphalerite zone" is on claim 218893, and "Alteration Island" is off of the Property.

A ground magnetic and electromagnetic program comprised of 45 line-km was completed across the Property. These surveys outline a number of magnetite iron formations and a variety of conductors.

A five (5) hole diamond drill program totalling 909m (2982ft) was completed on various targets. Assays reported included 600 ppb gold over 0.79m from K-89-01 and 0.67 oz/t Au over 1.3m in K-89-02 (banded chlorite-carbonate-sericite schist). These holes fall on claims 561344, 218893, 166786, and 232792.

Figure 5: Northern Dynasty sample locations Hoey and Sphalerite Trench 1988



1990-1997 – G Hogg & R Ramsay:

1990 (AFRI 52J07NW0003, 52J07NW0001):
Conducted prospecting, line-cutting, a VLF-EM survey, a dip needle survey, and trenching. Samples from the "Sidore prospect" returned values of 9.18 oz/t Au (8669) , 3.77 g/t Au (8902), and 9.6 g/t Au (8905) with the "North Zone" samples returning 1.75 g/t Au (8933) and 16.2 g/t Au (8945).

Conducted a VLF survey over the area east of June Lake. The survey results suggested that well-mineralized formational units extend in an easterly direction across the grid area and that they are disturbed by folding and/or faulting action.

1991 (AFRI 52J07NW8938, 52J07NE0007, 52J07NW0002):
Carried out a program comprised of prospecting, geological mapping, trenching, and geophysical surveys. A total of 36 samples were reported, sampling the "Cliff Zone", "Sidore Prospect", "Stringer Zone" and the "11W Trench". 8407 - 0.08 oz/t Au "North Zone", 8409 - 2.91 oz/t Au "Sidore", 8410 - 0.47 oz/t Au, "Sidore", 8411 - 0.08oz/ t Au - North Vein #1 "Sidore", 8412 - 0.01oz/t Au North Vein #1 Sidore, 8417 - 0.17oz/t Au Sidore, 8423 - 830ppb Trench 11W.

Conducted stripping, trenching, blasting, and prospecting at the "Stringer Zone" and "North Zones" (Claim 561341). Some assays were reported but location cannot be determined.

1992 (AFRI 52J07NE8876):

Conducted sampling, geological mapping, and trenching. In total 62 samples were analyzed and taken across five general areas across the Property. Twenty samples were taken east of June Lake reporting 19 to 444 ppb. One sample was crushed and panned yielding a value of 0.15oz/t Au (8467) while the unconcentrated source material reported 290 ppb (8468). The sampling on the southern shores of Kashaweogama Lake demonstrated that the soil anomalies reflect metalliferous content in the underlying bedrock. Prospecting, stripping, trenching and sampling on areas east of June Lake were completed. A total of 35 samples were taken on the Property with the highest value returning 2.91oz/t Au and 0.49oz/t Au from the "Sidore Prospect", 0.08oz/t Au from the North Vein #1 and 830 ppb from Trench 11W.

1993 (AFRI 52J07NE8875):
Conducted mapping and sampling on previously worked areas along the southern shore of Kashaweogama Lake and East of June Lake. Sample 8457 from 11w Trench returned a value of 0.15oz/t Au; this was an assay of concentrate located east of June Lake.

1994 (AFRI 52J07NE0008, 52J07NE0014):
Conducted a program of stripping, trenching and sampling concentrated in northeastern area of the Property. In total, 38 samples were collected with the highest sample returning 450ppb.

1995 (AFRI 52J07NE0011, 52J07NE0012):
Conducted a trenching and sampling program in 1994 concentrated on the NE part of the Property to test the gold potential of the magnetite iron formation. Several areas along the south shore of Kashaweogama Lake in the vicinity of Duck Pond were stripped, and three areas were drilled by plugger and trenched by blasting. In total 38 samples were submitted for analysis. Samples returned 530 ppb Au and 450 ppb Au from the Island Prospect, 94-3 Trench Area; 26 to 60 ppb Au. 94-2 Trench Area; 21 to 61 ppb Au. and 94-1 Trench; 40 to 78 ppb Au.

Conducted exploration trenching and sampling during 1995 in the vicinity of Hough Creek (Claim 284913 / 561340). A total of six (6) representative samples were taken ranging from 5 to 15 ppb Au. Earlier reported samples were up to 300 ppb.

1997 (AFRI 52J07NW0004):
R.G Ramsay conducted additional trenching and sampling in the 11W Trench Area (Claim 561341). Approximately 150 feet north of the trenching area is a strong ESE-striking VLF-EM conductor. Grab samples from the trench reported 10 to 450 ppb Au.

2010 – Enstar Corp (20000006277): Conducted a VTEM and MAG airborne survey, flying a total of 112 l-km at 100m line spacing. Intersecting parts of claims 561340, 561342, 218910 and 218909. The majority of the survey falls south east of the Property.

7.0 GEOLOGICAL SETTING AND MINERALIZATION

7.1 Regional Geology

The Property is in the western arm of the Savant Lake greenstone belt. This western end is terminated by the Miniss River Fault System while the eastern end expands into the Savant Lake greenstone belt proper. The Savant Lake greenstone belt marks the limit of the northerly development of the Wabigoon Subprovince.

W. D. Bond (1980) provides an excellent description of the regional geology. This report combined with map P. 3099 (Trowell, 1988) forms a comprehensive geological picture (Figure 6).

In summary, the regional geology can be divided into three main supracrustal units with a late stage felsic intrusive phase. The oldest of the supracrustal rocks is the Jutten Volcanic Sequence. This unit comprises essentially massive and pillowed mafic volcanic flows interlayered with thick chert-iron formation horizons. The next stratigraphic group is localized about Kashaweogama Lake. Neither Bond (1980) nor Trowell (1988) clearly define the stratigraphic relationships, either within the group nor between it and the other supergroups. However, both authors do implicitly acknowledge the existence of a discontinuity. This field evidence suggests that there are distinct variances in the lithological and structural nature of the rocks centred about. Kashaweogama Lake. Therefore, the rocks of Kashaweogama Lake are believed to belong to a separate and distinct geological environment. For the purposes of this Report the rocks of Kashaweogama Lake are combined under the term Kashaweogama Lake supergroup. The Kashaweogama Lake supergroup is composed of several distinct but laterally related units. The lowermost unit of this group is the Savant Narrows formation. This unit unconformably overlies the Jutten Volcanic Sequence and is composed of a lower granitoid and volcanic-clastic conglomerate and an upper volcanic-clastic conglomerate. The sedimentary Whimbrel Lake Volcanic Sequence, in the extreme east, is interbedded with the Savant Narrows formation and shows lateral facies changes into it. The Savant formation stratigraphically lies above the Savant Narrows formation and is essentially a mafic metavolcanic flow dominated formation. The last unit is the Savant Group. This group comprises fine wacke and siltstone with substantial accumulation of intercalated chert and magnetite ironstone.

The youngest supracrustal package is the Handy Lake Volcanic Sequence. This group comprises a complex interlayered sequence of mafic, intermediate, and felsic metavolcanics. This in turn is intercalated with arenaceous, argillaceous, and ferruginous metasediments.

Finally, felsic plutons and batholiths have intruded all the supracrustal sequences.

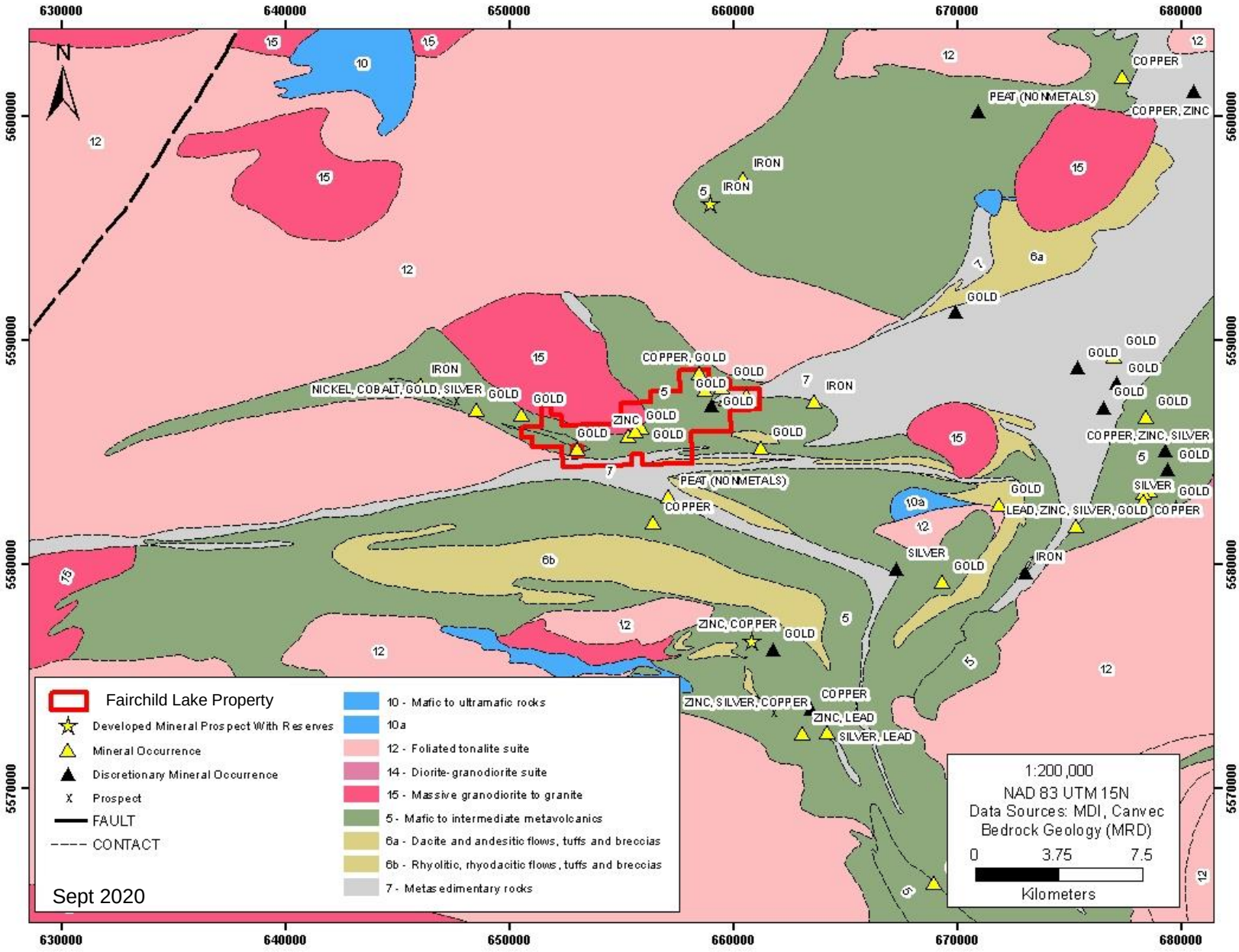
A Summary of the stratigraphic order follows:

YOUNGEST

- Dickson Lake Pluton
- Handy Lake Volcanic Sequence
- Kashaweogama Lake supergroup
    - Savant Group
    - Savant formation
    - Savant Narrows formation
- Jutten Volcanic Sequence

OLDEST

Figure 6: Regional Geology



7.2 Local and Property Geology

Below is summarized from J. Ho 1988

The Fairchild Lake claim block occupies a stratigraphically complex region (Figure 7). The north shore is dominated by mafic to ultramafic flows intercalated with magnetite-rich chemical sediments, all part of the Jutten Volcanic Sequence. The island within the claim blocks are mafic in character and form part of the Savant Lake Formation. Several of the smaller islands in the east end are also highly magnetic, suggesting either magnetite-bearing metavolcanics or ferruginous metasediments. Poor exposure has limited investigation, however, both types of magnetic lithologies are known to exist in the area. The southern shoreline marks the northern limit of the Handy Lake Volcanic Sequence. The Dickson Lake Pluton, a massive granodiorite unit, is the most prominent of the late stage felsic intrusions. This unit outcrops within 200m of the north lake shore.
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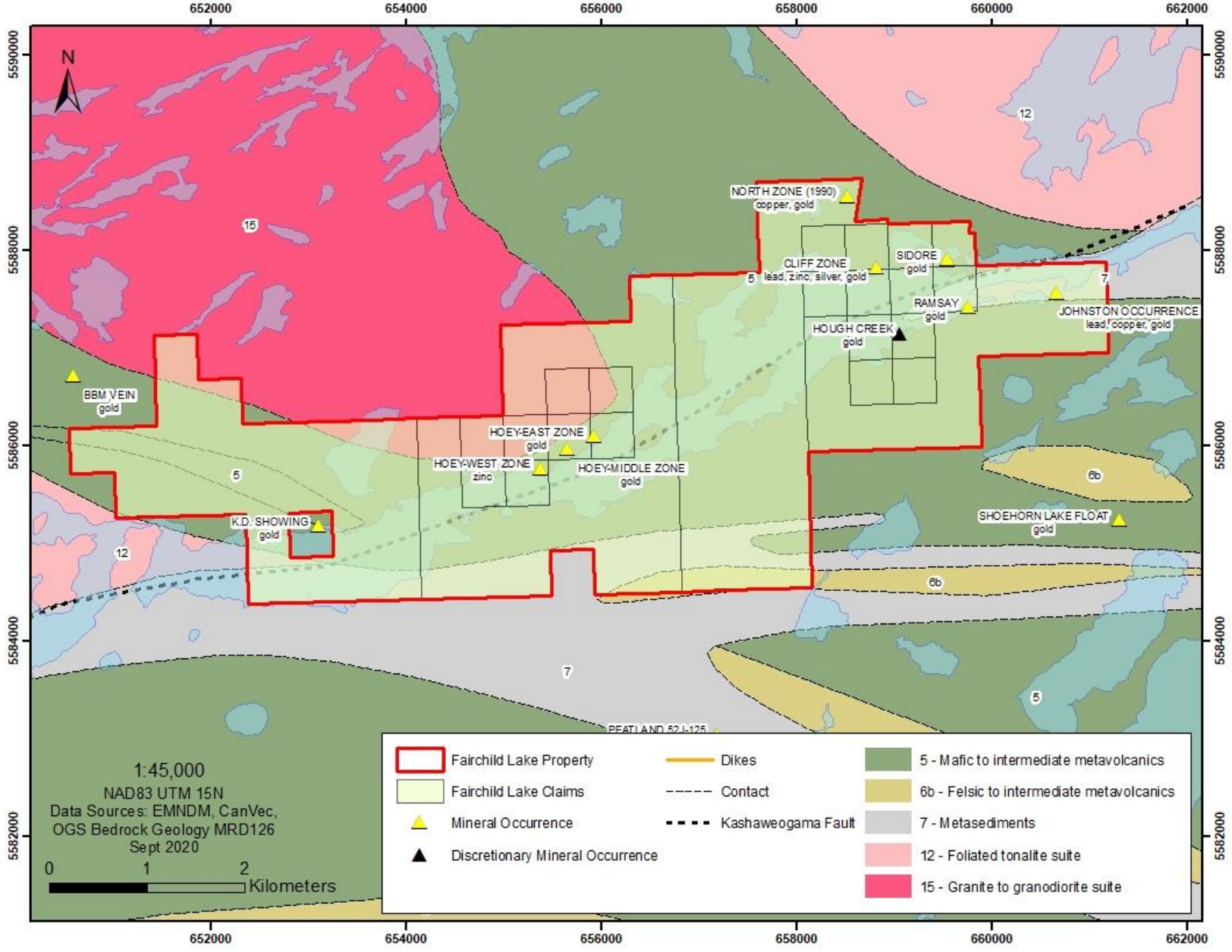
Figure 7: Property Geology



7.3 Mineralization

Gold mineralization on the Property is located north and in proximity to the Kashaweogama fault system as disseminated pyrite with lesser chalcopyrite, sphalerite, and galena in widespread quartz veining and within the sedimentary units themselves. Anomalous gold is commonly associated with the sulphide mineralization, and locally it occurs in native form in quartz veining. Fuchsite occurring in bands or beds is frequently present in the siliceous and tuffaceous clastics of the northwest Property area and as patchy areas of hematitic alteration (Hogg, 1992).

Historically four main areas of anomalous gold mineralization have been identified on the Property: Hoey Zones (west, middle, east), North Zone, Cliff Zone, and Sidore Zone (Figure 7).

- Hoey Zones: Gold mineralization, including free gold, occurs in Fe-carbonate-pyrite-quartz veins and pyritic shears. These veins are hosted in mafic to ultramafic volcanics. Alteration is dominated by iron and calcium carbonatization, sericitization, talc, and chromium mica development, and silicification. The nature of the alteration is controlled by host rock lithology. Both auriferous quartz veins and alteration zones are highly deformed. The best gold values and most extensive alteration are mainly located close to the Kashaweogama Lake deformation zone.
- North Zone: This is located in an area of weak conductivity which shows strong development of quartz veining in sheared mafic volcanics. Mineralized quartz veins contain pyrite, pyrrhotite, and chalcopyrite.
- Cliff Zone: Zone of broad pyritic mineralization in sheared and variably siliceous tuffaceous graywacke.
- Sidore Zone: Mineralization in this zone is restricted to quartz veins within unmineralized granitoid-clast conglomerate. This consists of a series of pyrite-bearing white quartz veins in an exposure of conglomerate. The veining varies from 10’s of cm’s to 0.75 m in width, and is controlled by near vertical, easterly striking shearing (Ho, J. W., 1988).

8.0 DEPOSIT TYPES

The deposit type being targeted by Fairchild on the Property is “greenstone-hosted quartz-carbonate vein deposits” as defined by Robert et. al. (1997).

Deposits of this group, typified by the Mother Lode and Grass Valley and including many important Precambrian examples, consist of quartz-carbonate veins in moderately to steeply dipping brittle-ductile shear zones and locally in related shallow-dipping extensional fractures. They are commonly distributed along major fault zones in deformed greenstone terranes of all ages. Veins have strike- and dip-lengths of 100 to 1000 m either singly or, more typically, in complex vein networks. They are hosted by a wide variety of lithologies but there are district specific lithologic associations.

The veins are dominated by quartz and carbonate, with lesser amounts of chlorite, scheelite, tourmaline and native gold; pyrite, chalcopyrite and pyrrhotite comprise less than 10 vol.% of the veins. The mineralization is gold-rich (Au:Ag = 5:1 to 10:1) and have elevated concentrations of As, W, B, and Mo, with very low base metal concentrations. Despite their significant vertical extent (commonly > 1 km), the deposits lack any clear vertical mineral zoning. Wallrock alteration haloes are zoned and consist of carbonatization, sericitization and pyritization. Halo dimensions vary with the composition of the host lithologies and may envelope entire deposits in mafic and ultramafic rocks.

There is also the potential for Archean-aged orogenic gold deposits as defined by Groves et al. (1998). Following Kerrich et al. (2000), orogenic gold deposits are typically associated with crustal-scale fault structures, although the most abundant gold mineralization is hosted by lower-order splays from these major structures. Deposition of gold is generally syn-kinematic, syn- to post-peak metamorphism and is largely restricted to the brittle-ductile transition zone. However, deposition over a much broader range of 200–650ºC and 1–5 kbar has been demonstrated. Host rocks are highly variable, but typically include mafic and ultramafic volcanic rocks, banded iron formation, sedimentary rocks and rarely, granitoids. Alteration mineral assemblages are dominated by quartz, carbonate, mica, albite, chlorite, pyrite, scheelite and tourmaline, although there is much inter-deposit variation.

9.0 EXPLORATION

Exploration conducted on behalf of Fairchild on the Property consisted of airborne geophysics, prospecting, mapping, and soil sampling. A short reconnaissance program was also carried out in the fall of 2019. Field work for the 2019 program was supported by fixed wing aircraft. In 2020 an airborne geophysical survey of the entire claim group was flown by Prospectair Geosurveys in April. Clark Exploration Consulting carried out a program of prospecting, mapping, and soil sampling of the Property from June 8th to June 27th and July 27th to August 3rd. In total 23 days were spent on the Property with 4 days for mob/de-mob. The 2020 program was supported by boat; field crews were based in Savant Lake.

2020 Program

Airborne Geophysics

Prospectair Geosurveys was contracted to conduct a heliborne magnetic (MAG) and time-domain electromagnetic (TDEM) survey on the Fairchild Lake Property. The survey was flown on April 24th, 2020. One survey block was flown for a total of 323 line kilometers. A total of 3 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 85 km to the southwest of the block. The block lies about 20 km to the north of the village of Savant Lake. The block was flown with traverse lines at 100 m spacing and control lined spaced every 1000 m. The survey lines were oriented 358. The control lines were oriented perpendicular to the traverse lines.

Most of the survey block is affected by linear magnetic features characteristic of alternating sequences of mafic volcanics with sedimentary or intermediate to felsic volcanic rocks, with probably some small size intrusive stocks or dykes locally. The north area of the survey block shows low magnetic signal variations and more homogeneous magnetic textures, which is typical of large size felsic to intermediate intrusions. The strongest anomalies of the survey are found in the eastern and southeastern parts of the block and are interpreted to relate to magnetite rich iron formations. Stronger anomalies are best seen on Figure 9 which illustrates the residual total magnetic intensity (TMI) data with a linear color distribution. Other weaker anomalies are likely associated to mafic/ultramafic volcanic or intrusive rocks. In between these magnetic anomalies, areas with low magnetic signal variations and depressed background values, are possibly related to sedimentary or felsic volcanic rocks.

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. Shorter wavelength anomalies are greatly enhanced on the first vertical derivative (FVD) (Figure 10) and on the TILT (Figure 11) products. Since the FVD attenuates longer wavelength anomalies and the TILT enhances very weak amplitude anomalies, they are the preferred products for structural interpretation.

On the Fairchild Lake block, 13 EM anomalies were identified. All are marginal to weak anomalies with TAU lower than 0.25 msec and are included in a group represented by an empty circle on the anomaly map (Figure 11). The early off-time map (Figure 11) provides a good overview of the TDEM response amplitude distribution. There are three conductive areas that have been outlined by the survey. Of these, two are located at the north end of the block and are marginally conductive, only slightly exceeding the noise envelope of the system. These are also occurring beside lake and wetlands and could be caused by conductive sediments, or, although less likely, by conductive mineralization of very limited extents. The third conductive area occurs underneath Kashaweogama Lake. It depicts a stronger response at later times which is more typical of bedrock conductors. It also occurs very close to a very strong and continuous magnetic anomaly interpreted to relate to an iron formation. It could therefore directly originate from a sulphide rich section along this iron formation or from another conductive source (sulphides/graphite) spatially parallel and close to the iron formation.

The magnetic data was interpreted by Prospectair and recommendations were made for target areas of exploration (Figure 12).

Targets 1, 2 and 3 relate to faulting/shearing structures cross-cutting mag anomalies likely associated to mafic volcanics.

Targets 4, 7 and 9 pertain to areas where strongly magnetic iron formations are also cross-cut by main structures. In addition, targets 7 and 9 show clear evidence of folding, where structural repetition and stratigraphic thickening may have occurred. The possible opening of dilatant zones in these areas may also have provided traps mineralizing fluids.

Target 5 and 6 both occur near the contact zone with the large intrusion, along a possible fault/shear of interest. Target 5 includes marginal EM anomalies near the lake shore that warrant further investigation. Target 6 includes an intriguing compact and isolated magnetic anomaly.

Target 8 is under the lake, but is situated on the main, strong, conductor of the survey, very close to a strong magnetic anomaly possibly related to an iron formation. If support can be found during future exploration for mineralization in these structures on adjacent peninsulas and islands, then a case can perhaps be built for drill testing this target.

Figure 8: Fairchild Lake Total Magnetic Intensity (TMI)

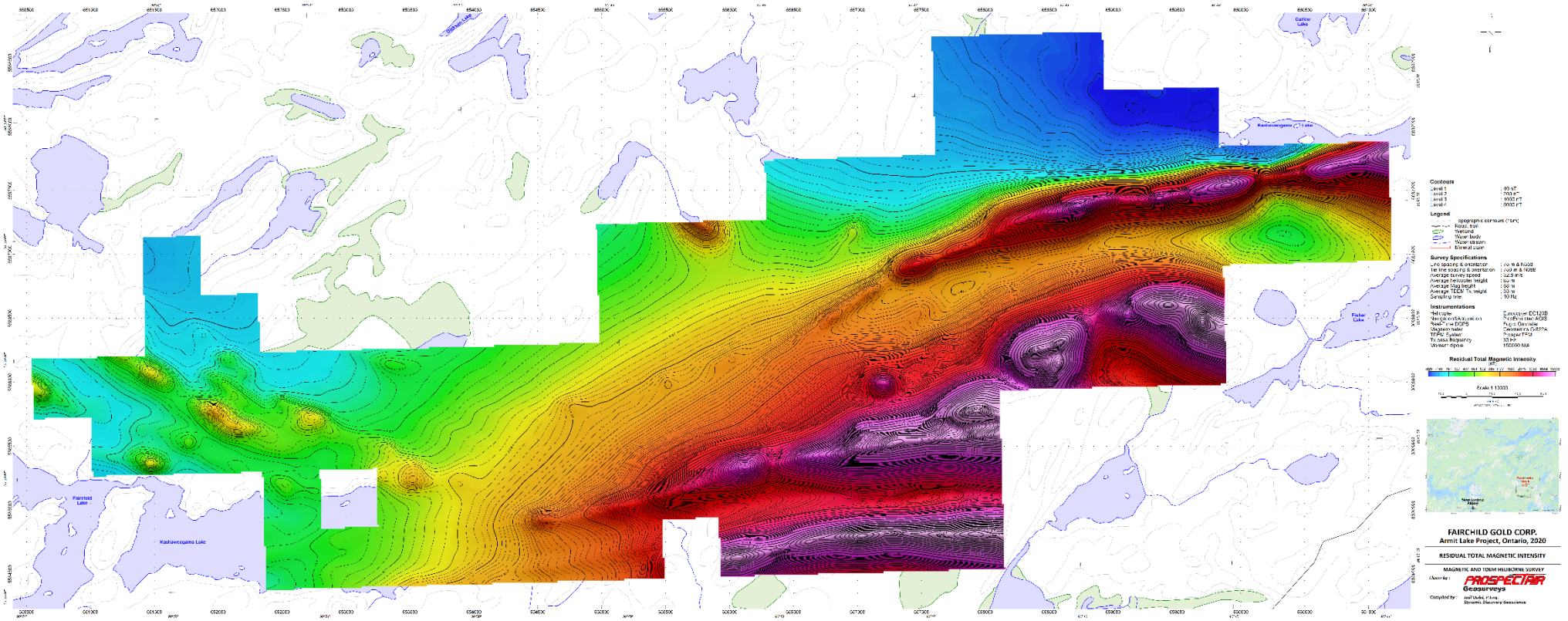


Figure 9: TILT Angle Derivative with TDEM anomaly picks

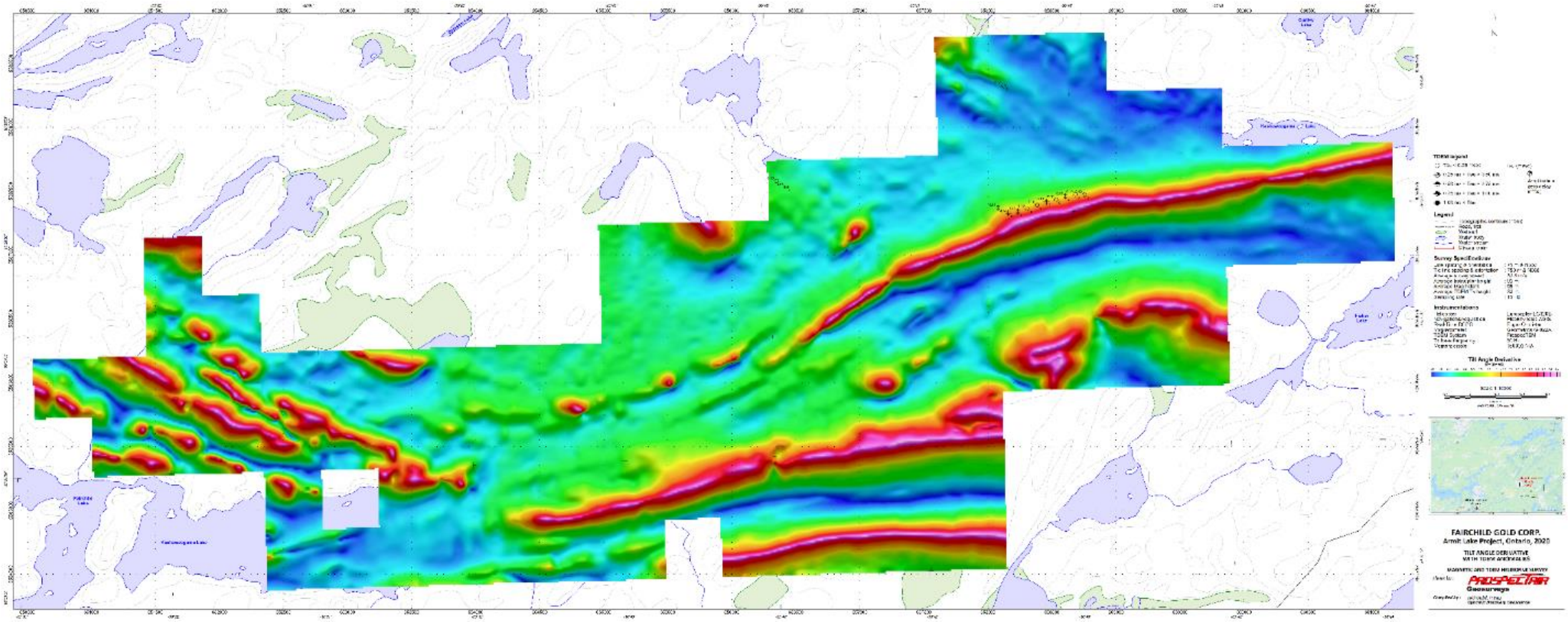


Figure 10: Early off-time response

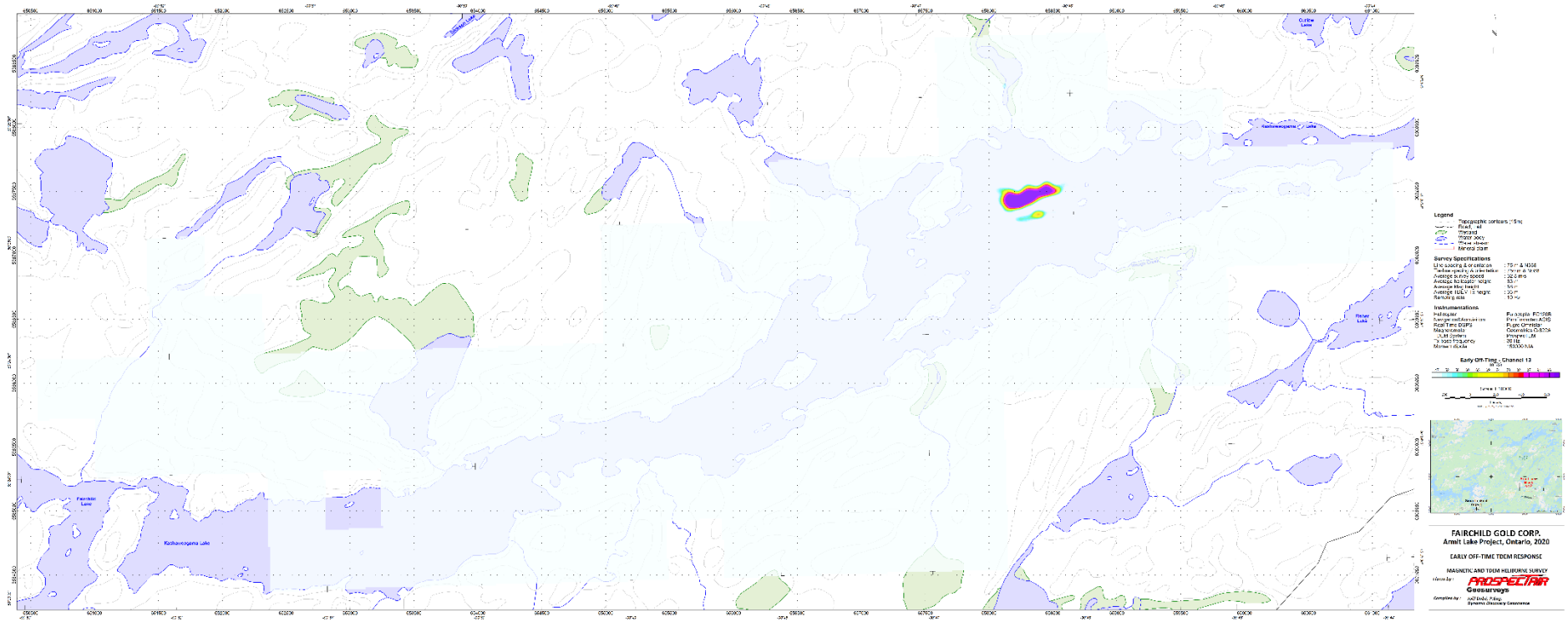
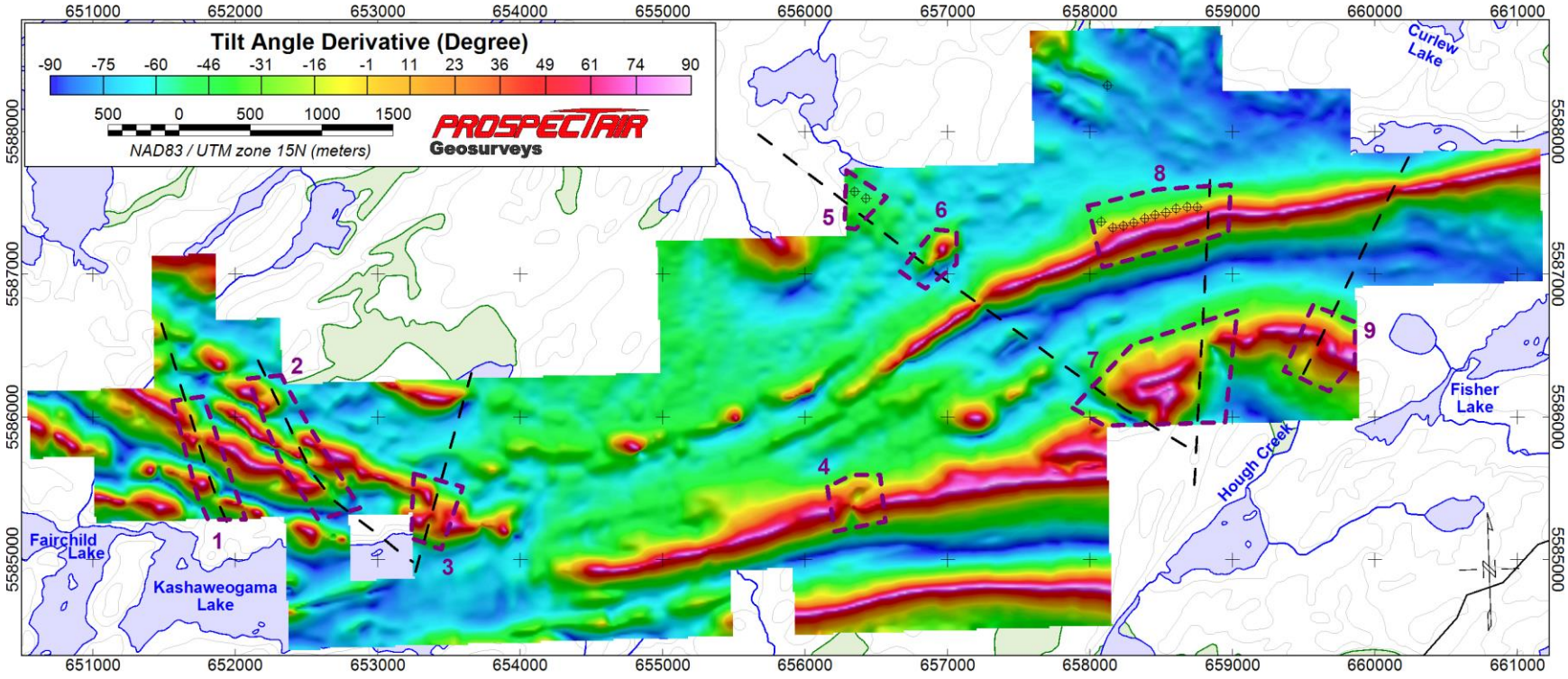


Figure 11: Areas of interpreted structures



Rock Sampling

A total of 106 grab rock samples (which includes 4 blanks). The prospecting and mapping programs were designed to locate and sample historical occurrences on the Property (Figure 13). Grab samples taken on the Property ranged from below detection limit to >6000 ppb Au (Table 2). The highest assays were returned from the Sidore prospect, followed by the Hoey showing, and Cliff Zone.

Figure 12: Overview of grab samples taken from the 2020 exploration program

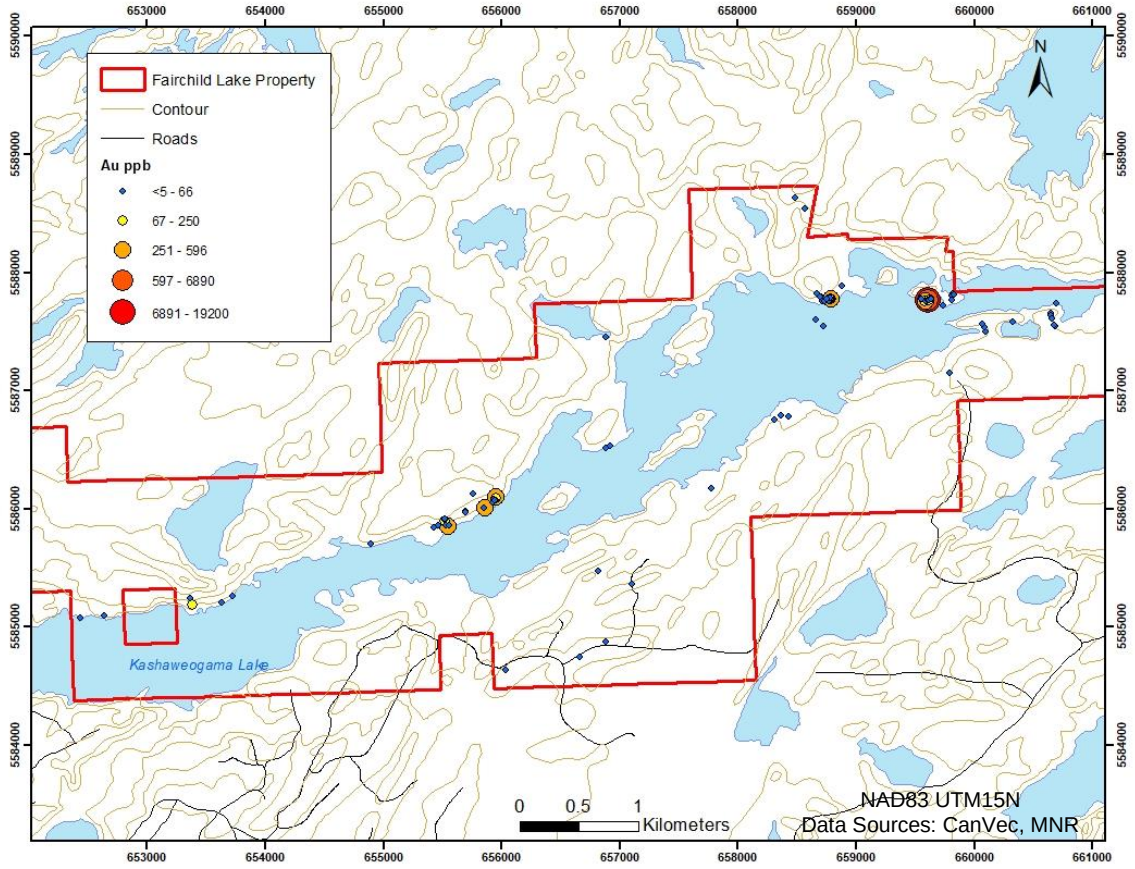


Table 2: Summary of grab sample ranges for the 2020 exploration program

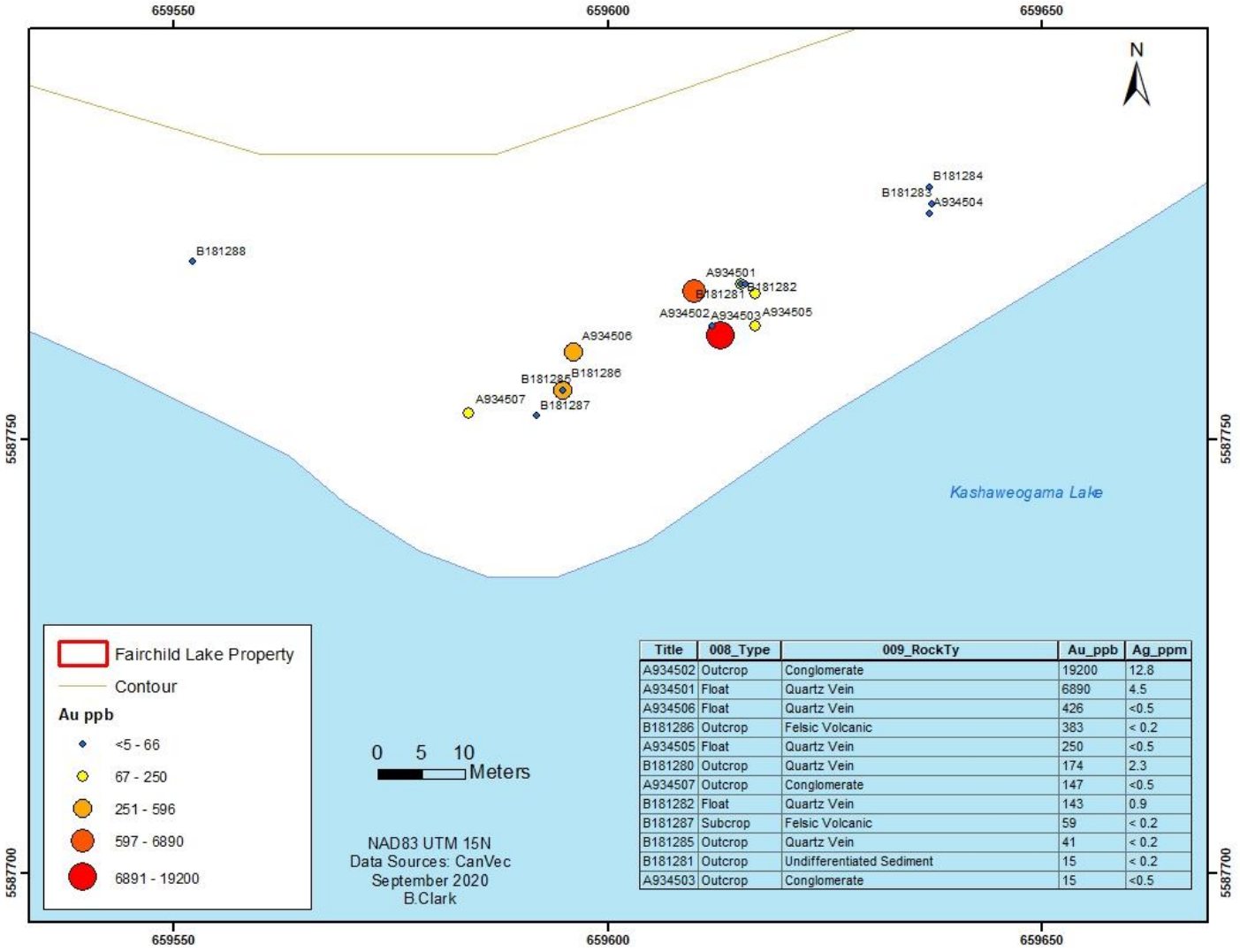
Number of Samples	Gold PPB
39	<5
49	5 to 100
9	100 to 200
5	200 to 400
2	400 to 600
2	>6000

The highest gold assays were from the Sidore Prospect returning 19.2g/t Au, 12.8g/t Ag A934502, and 6.89g/t Au, 4.5g/t Ag A934501 Figure 14 (Table 3). Other samples from the Sidore prospect returned values from <5ppb to 426 ppb Au. Sample A934502 was taken from a quartz vein hosted in conglomerate. It is believed that this sample was taken from the same veins historically sampled which returned up to 9.48oz/t (G. Hogg, 1990).

Table 3: Summary of highest grade assays for the 2020 exploration program

Sample	Northing	Easting	Location	Sample Type	Description	Au ppb	Ag ppm
A934502	5587762	659613	Sidore	Outcrop	15x10x8cm w/ sugary qtz stringers, trace diss py w/ possible galena, rusty vugs on fracture w/ ankerite	19200	12.8
A934501	5587767	659610	Sidore	Float	10 cm sugary qtz vein, trace diss py, minor chl & vuggyness	6890	4.5
B181271	5585853	655550	Hoey West	Outcrop	sheared mafic volcanic. str ser + chl and locally silicified. silicification carries sulphides. mgr py, cpy, asp, sphalerite	596	0.4
A934506	5587760	659596	Sidore	Float	Sugary float qtz vein from 10-15 cm vein, trace diss py & possible galena?	426	<0.5
B181286	5587756	659595	Sidore	Outcrop	silicified and sheared rhyolite wallrock adjacent to Sidore vein sample B181285. trace fgr py + arseno	383	< 0.2
B181326	5586094	655956	Hoey East	Outcrop	foliated mafic volcanics (chl-bt schist) with local irreg qtz veining and trace py	344	0.3
B181294	5587773	658791	Cliff Zone	Outcrop	qtz-ser schist w 7% sulphides. local fuchsite	334	1.8
A934517	5586007	655861	Hoey East	Outcrop	20% mafic volcanic w/ 1-2% diss py, 80% rusty qtz vein, sugary in areas, minor sulphides	317	2.4
A934505	5587763	659617	Sidore	Float	Sugary qtz vein float w/ patchy ankerite, trace diss py & possible galena?	250	<0.5

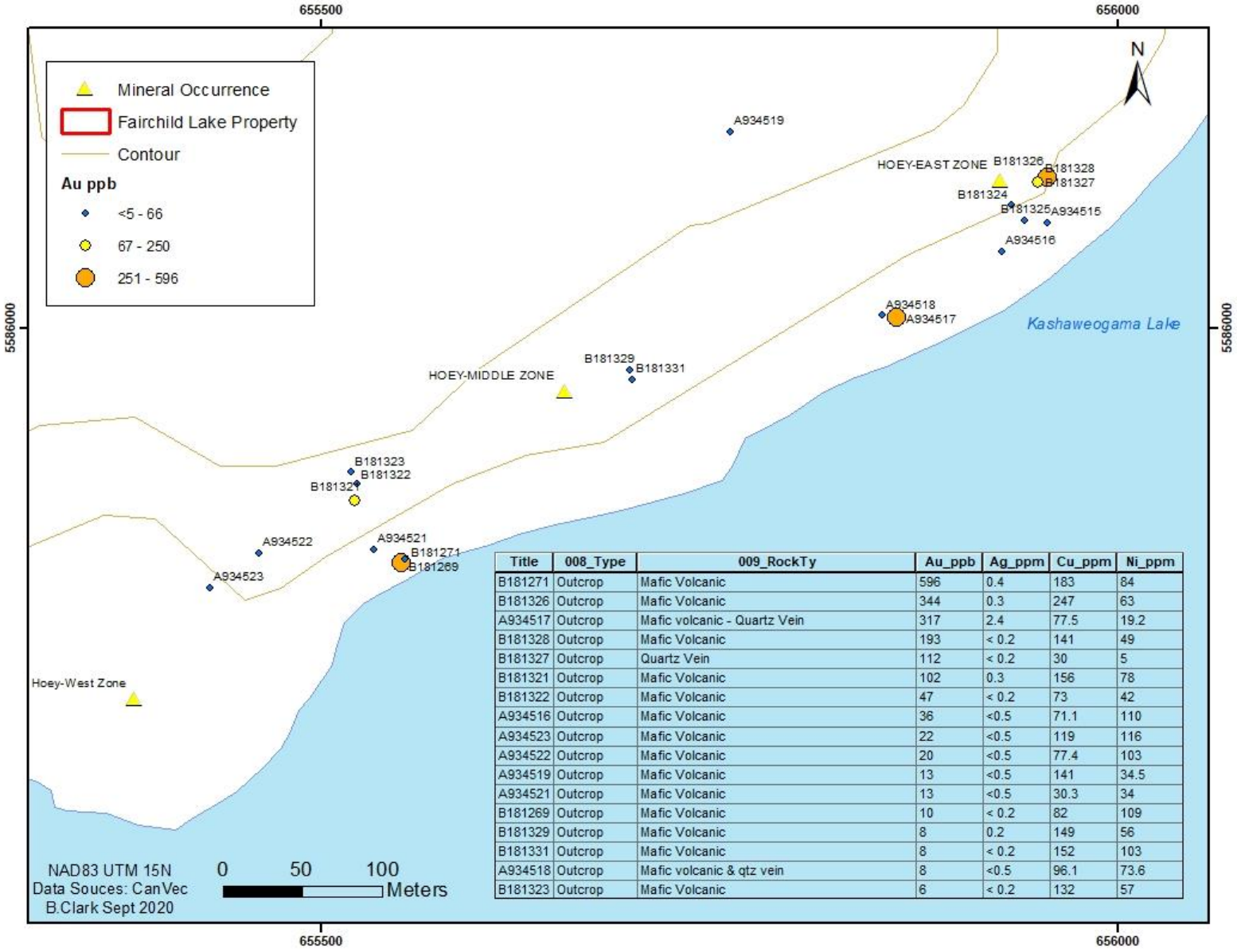
Figure 13: Samples taken in the vicinity of the Sidore prospect, 2020



Title	008_Type	009_RockTy	Au_ppb	Ag_ppm
A934502	Outcrop	Conglomerate	19200	12.8
A934501	Float	Quartz Vein	6890	4.5
A934506	Float	Quartz Vein	426	<0.5
B181286	Outcrop	Felsic Volcanic	383	< 0.2
A934505	Float	Quartz Vein	250	<0.5
B181280	Outcrop	Quartz Vein	174	2.3
A934507	Outcrop	Conglomerate	147	<0.5
B181282	Float	Quartz Vein	143	0.9
B181287	Subcrop	Felsic Volcanic	59	< 0.2
B181285	Outcrop	Quartz Vein	41	< 0.2
B181281	Outcrop	Undifferentiated Sediment	15	< 0.2
A934503	Outcrop	Conglomerate	15	<0.5

In total 17 grab samples were taken from the Hoey East and West areas. There were six (6) samples that returned greater than 100ppb Au with the highest assays being 596ppb Au (B181271) and 344ppb Au, 247ppm Cu (B181326) (Figure 15). These samples were hosted in foliated weakly silicified mafic volcanics.

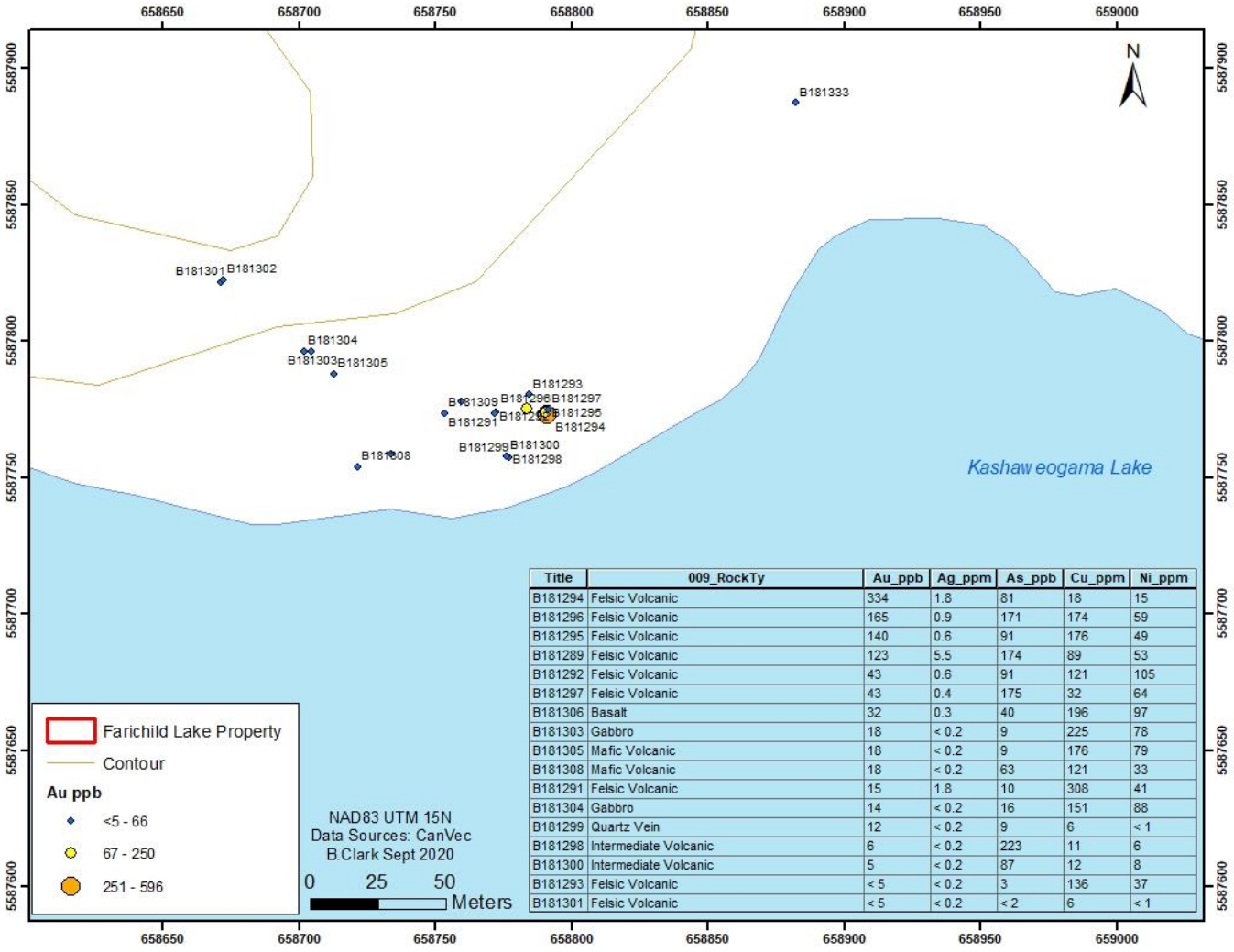
Figure 14: Samples taken near the Hoey series of historical showings, 2020.



Title	008_Type	009_RockTy	Au_ppb	Ag_ppm	Cu_ppm	Ni_ppm
B181271	Outcrop	Mafic Volcanic	596	0.4	183	84
B181326	Outcrop	Mafic Volcanic	344	0.3	247	63
A934517	Outcrop	Mafic volcanic - Quartz Vein	317	2.4	77.5	19.2
B181328	Outcrop	Mafic Volcanic	193	< 0.2	141	49
B181327	Outcrop	Quartz Vein	112	< 0.2	30	5
B181321	Outcrop	Mafic Volcanic	102	0.3	156	78
B181322	Outcrop	Mafic Volcanic	47	< 0.2	73	42
A934516	Outcrop	Mafic Volcanic	36	<0.5	71.1	110
A934523	Outcrop	Mafic Volcanic	22	<0.5	119	116
A934522	Outcrop	Mafic Volcanic	20	<0.5	77.4	103
A934519	Outcrop	Mafic Volcanic	13	<0.5	141	34.5
A934521	Outcrop	Mafic Volcanic	13	<0.5	30.3	34
B181269	Outcrop	Mafic Volcanic	10	< 0.2	82	109
B181329	Outcrop	Mafic Volcanic	8	0.2	149	56
B181331	Outcrop	Mafic Volcanic	8	< 0.2	152	103
A934518	Outcrop	Mafic volcanic & qtz vein	8	<0.5	96.1	73.6
B181323	Outcrop	Mafic Volcanic	6	< 0.2	132	57

In total twenty (20) samples were taken around the Cliff showing (Figure 16). Samples consisted of felsic and mafic volcanics and local quartz veins. There were six samples that returned below detection limit. Highlighted samples from this area returned 334ppb Au, 1.8g/t Ag (B181294), 123ppb Au, 5.5g/t Ag, 0.2% Pb (B181289), and 15 pb Au, 1.8g/t Ag, 309ppm Cu, 0.15% Zn (B181291).

Figure 15: Grab samples taken from the Cliff showing, 2020.



Title	009_RockTy	Au_ppb	Ag_ppm	As_ppb	Cu_ppm	Ni_ppm
B181294	Felsic Volcanic	334	1.8	81	18	15
B181296	Felsic Volcanic	165	0.9	171	174	59
B181295	Felsic Volcanic	140	0.6	91	176	49
B181289	Felsic Volcanic	123	5.5	174	89	53
B181292	Felsic Volcanic	43	0.6	91	121	105
B181297	Felsic Volcanic	43	0.4	175	32	64
B181306	Basalt	32	0.3	40	196	97
B181303	Gabbro	18	< 0.2	9	225	78
B181305	Mafic Volcanic	18	< 0.2	9	176	79
B181308	Mafic Volcanic	18	< 0.2	63	121	33
B181291	Felsic Volcanic	15	1.8	10	308	41
B181304	Gabbro	14	< 0.2	16	151	88
B181299	Quartz Vein	12	< 0.2	9	6	< 1
B181298	Intermediate Volcanic	6	< 0.2	223	11	6
B181300	Intermediate Volcanic	5	< 0.2	87	12	8
B181293	Felsic Volcanic	< 5	< 0.2	3	136	37
B181301	Felsic Volcanic	< 5	< 0.2	< 2	6	< 1

Soil Sampling

The soil sampling grid at the western end of the Property was designed to aid in determining lithological contacts as well as defining the gold trend associated with the "KD showing" which is not on the Property. Soil samples were taken at 50m intervals on 100m spaced lines. Of the 68 B-horizon soil samples collected 19 returned values above 5 ppb Au up to 77 ppb Au (Table 4). Soil sample values show a moderate correlation with what is interpreted to be lithological contacts between mafic and ultramafic volcanics of the Jutten Volcanic sequence and interbedded metasediments. Base metal values up to 124ppm Cu and 106ppm Ni most likely correlate with ultramafic bedrock lithologies. Gold values of 20 ppb and greater warrant additional follow-up sampling, prospecting, and mapping in order to explain these relatively high values that may reflect bedrock gold mineralization.

Table 4: Summary of soil sample results for the 2020 exploration grid

Number of Samples	Gold ppb
44	<5
13	5 to 10
4	11 to 19
2	20 to 77

Figure 16: Soil sample results Au with the First Vertical Derivative background, 2020.

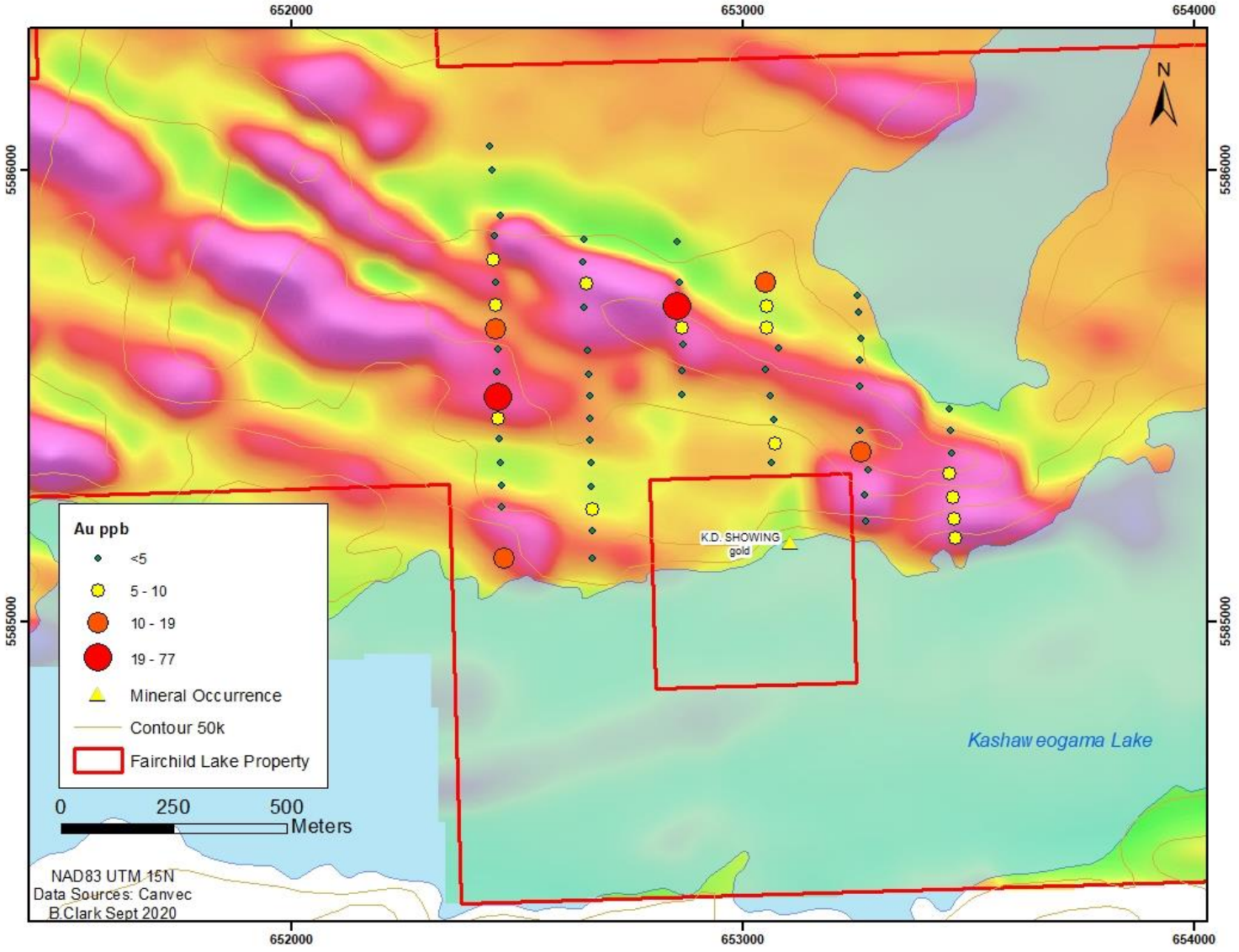


Figure 17: Soil sample results for Cu with the First Vertical Derivative background, 2020.

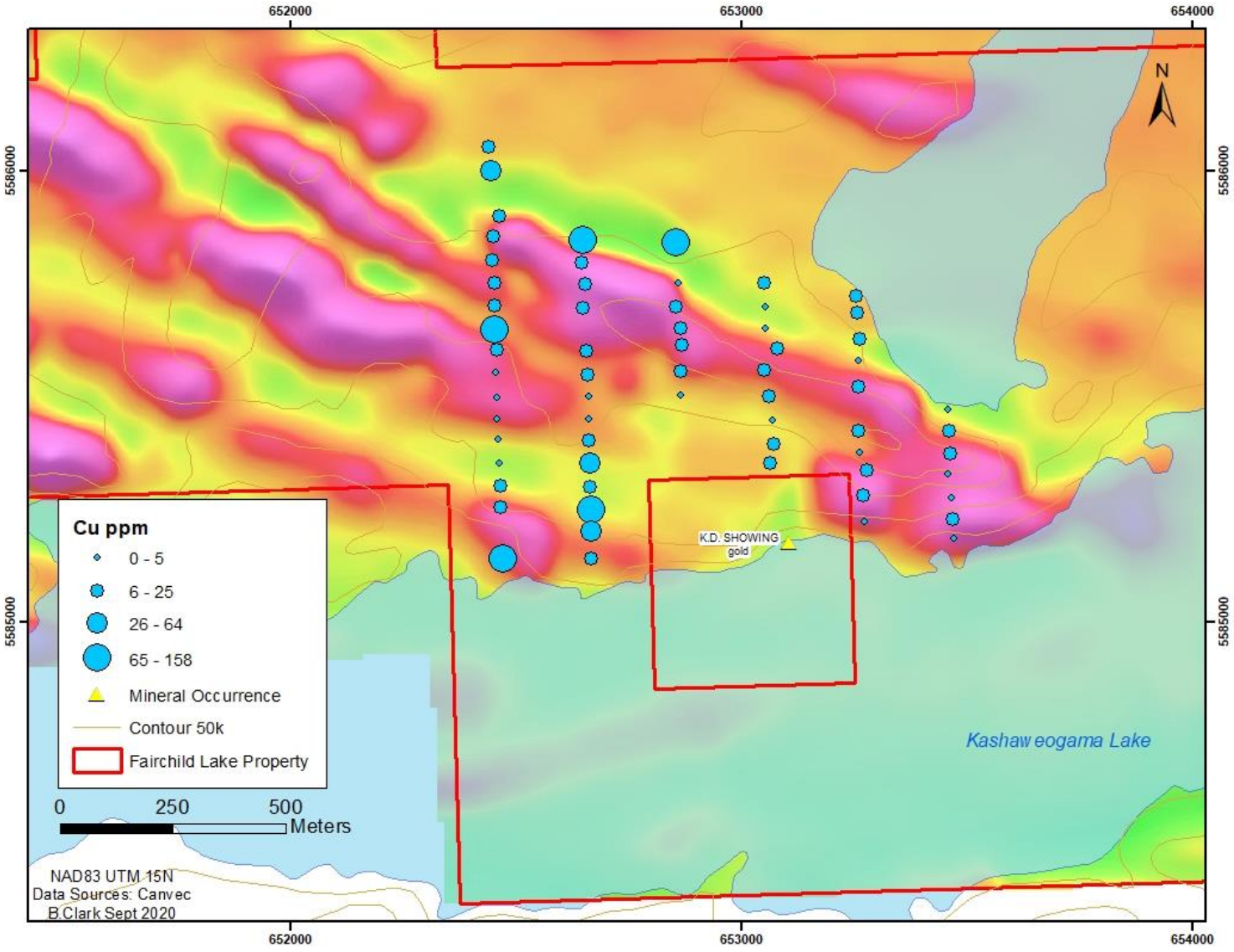
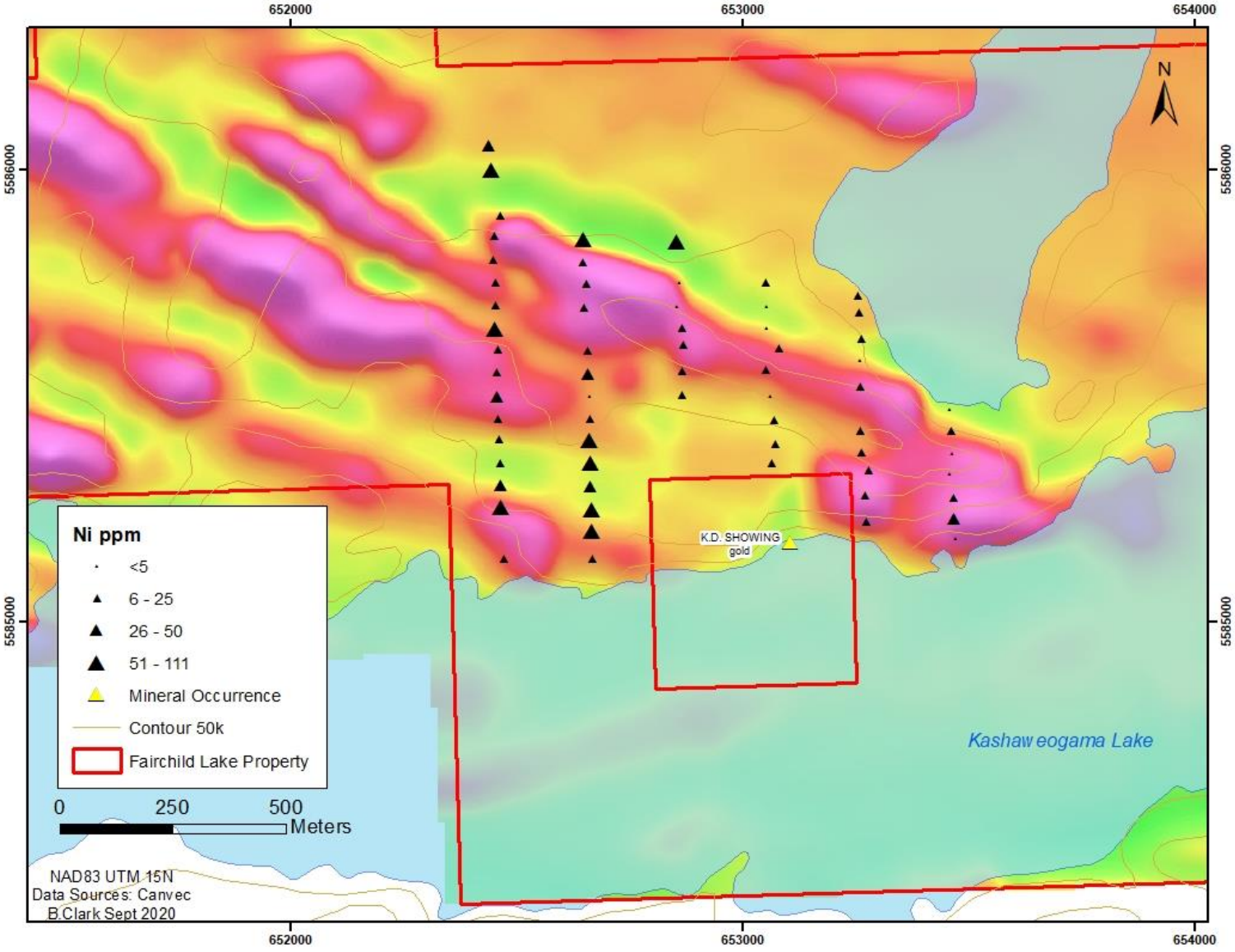


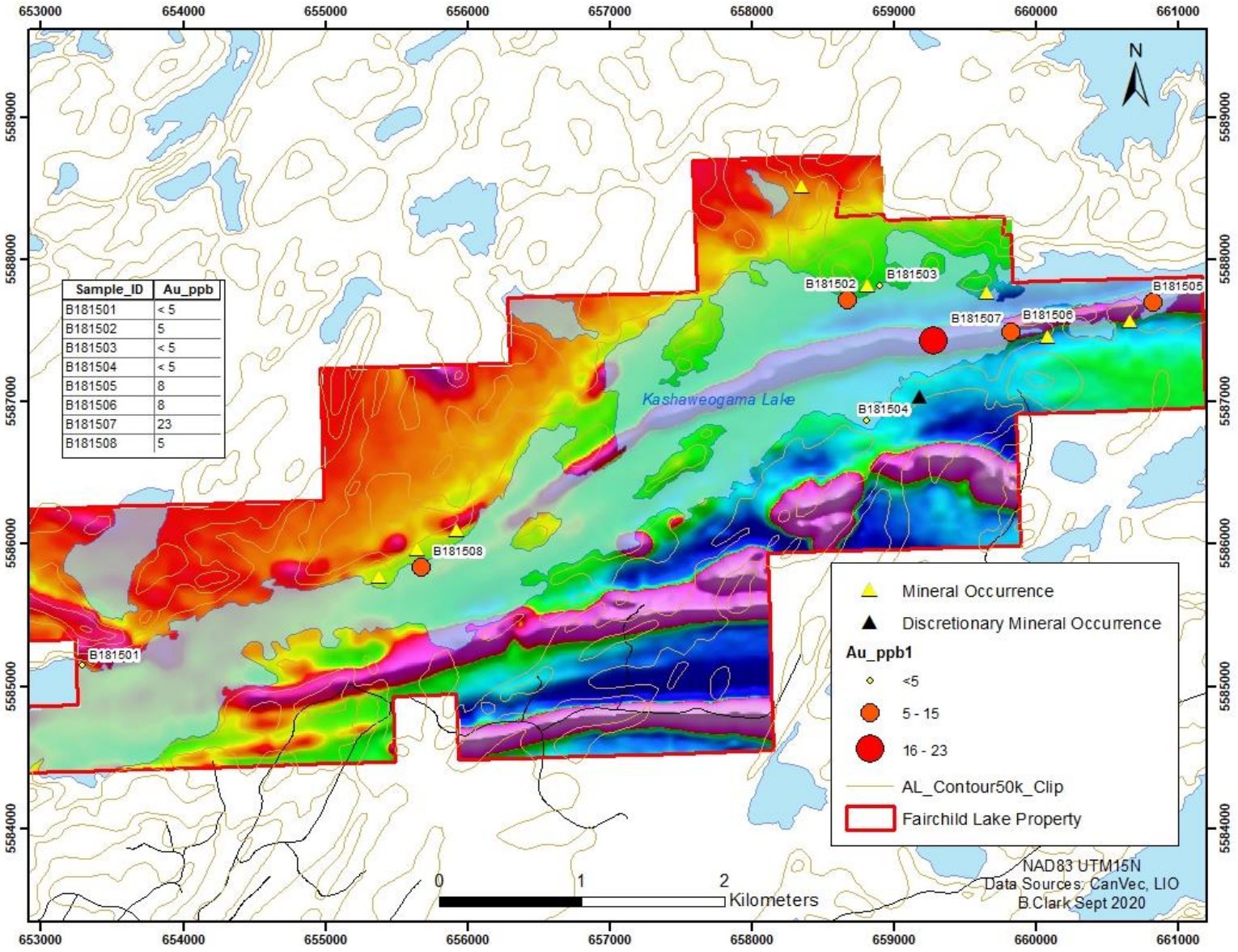
Figure 18: Soil sample Ni values with the First Vertical Derivative background, 2020.



Lake Bottom Sampling

Lake bottom sediment sampling returned three samples below detection limit, 4 samples between 5-8ppb and one sample returned 23ppb Au (B181507) (Figure 20). The samples that returned results above the detection limit may reflect mineralization in the Kashaweogama Lake Fault.

Figure 19: Lake bottom sample location and results for Au with First Vertical Derivative background, 2020.



The exploration programs succeeded in re-locating areas of historically reported mineralization on the Property. Rock sampling in these areas demonstrated that gold mineralization with potentially economic grades occurs on the Property at the Sidore occurrence where grab samples assayed 16.8 and 6.89 grams/tonne gold. Rock samples from quartz vein-filled shear zones at the Hoey and Cliff zones also returned analyses of several hundred ppb gold and therefore warrant more detailed follow-up. Airborne geophysics identified 9 target areas warranting follow-up. Several of these are coincident with the known gold occurrences or are within close proximity to them.

11.0 SAMPLE PREPARATION, ANALYSIS AND SECURITY

Grab samples were collected and placed in sample bags with appropriate sample tags and sealed with tape or zip ties. Soil samples were collected using an auger and placed in paper bags, then inside a plastic bag to avoid any contamination and sealed. Between each station the auger was wiped clean with a cloth. For field quality assurance and quality control blanks were inserted every twenty samples. In total 3 blank samples of pool sand were analysed with the results all being below detection limits. Lake bottom samples were collected with a Kajak-Brinhurst type sediment core sampler and placed in individual sample bags. These were then allowed to dry and sealed. All samples were delivered directly to the laboratories utilized by Clark staff.

Analysis for the initial field program from June 8th to June 27th was conducted by Actlabs in Thunder Bay, Ontario. Actlabs is independent from Fairchild. The samples were transported to Thunder Bay and dropped off at the lab where they were crushed and prepared for assay. A pulverized sub-sample was then shipped to Actlabs in Kamloops, BC for analysis. Samples were analyzed for Au by 30g fire assay with ICP-AAS finish and a multi-element aqua regia digestion with an ICP-OES finish.

Actlabs' Quality System is accredited to international quality standards through the following organizations:

- Standards Council of Canada (SCC)
- Canadian Association for Laboratory Accreditation (CALA)

Actlabs is accredited and/or certified to the following standards:

- ISO/IEC 17025:2017
- ISO 9001:2015

The second phase of fieldwork followed the same sample protocols but used AGAT Laboratories in Thunder Bay for the analysis of the grab samples. AGAT Laboratories is independent from Fairchild. Sample analysis consisted of 30g Fire Assay with AAS finish and a 4 Acid Digest with ICP-OES finish. Over limit gold assay A934502 was run through a Fire Assay – Au Ore Grade, Gravimetric finish.

Due to the limited number of grab samples taken, no field quality assurance or quality control was completed.

AGAT Laboratories is accredited for specific tests as listed in the laboratory's current scope of accreditation by the following organizations:

- The Standards Council of Canada (SCC)
- The Canadian Association for Laboratory Accreditation (CALA) and
- SAI Global

AGAT Laboratories is accredited, for specific tests, to the following standard:

- ISO/IEC 17025:2005.

AGAT Laboratories is certified to the following standard:

- ISO 9001:2015

In the authors opinion sample preparation, security and analytical procedures were adequate for the size and scope of the sampling program.

12.0 INTERPRETATION AND CONCLUSIONS

Historical and recent exploration work has indicated the presence of elevated gold values in grab, soil and lake bottom sediment samples over an area in close proximity to the Kashaweogama fault system. This fault system represents a major crustal break within this greenstone belt, similar to the LP fault discovered by Great Bear Resources in the Red Lake District. However, the Author has not verified information with respect to the LP fault discovered by Great Bear Resources, and information in this Report with respect to the LP fault is not necessarily indicative of the mineralization on the Property. Both gold deposit models described in the Report are associated with or in close proximity to major fault zones. This environment represents a promising geological setting to host economic gold mineralization.

The highest gold value from the Sidore Prospect returned 19.2 g/t Au from an outcrop grab sample A934502. A float sample A934501 taken in the same area returned a value of 6.89 g/t Au. The Hoey showings returned gold values from the 2019 program of 1.72g/t Au and 0.732 g/t Au from a quartz vein and adjacent mafic volcanics, respectively. The area requires further exploration to fully delineate the surface extent of the mineralized areas. The Cliff showing area returned 334 ppb Au, 1.8g/t Ag (B181294), 123 ppb Au, 5.5g/t Ag, 0.2% Pb (B181289), and 15 ppb Au, 1.8g/t Ag, 309 ppm Cu, 0.15% Zn (B181291). These values are considered anomalous and warrant further exploration to delineate structures and surface extent of mineralization.

Gold values found in the limited soil sampling correspond well with interpreted airborne magnetic highs that may be attributed with the underlying mafic volcanics and chemical sediments. Extension of the soil grids is warranted in order to evaluate the potential for this and other areas to host gold mineralization. Limited lake bottom sampling returned a value of 23 ppb Au in sample B181507, indicating positive exploration potential beneath the lake.

In addition to gold exploration, the airborne magnetics and TDEM completed over the Property has highlighted various structural trends and domains of rock types that provide targets for base metal massive sulphides.

The Property is at an early stage of exploration and will require substantial work to find and fully evaluate its resource potential. No mineral resources or reserves have been estimated for the Property. There is no guarantee that further work will be successful in locating potentially economic mineral resources on the Property.

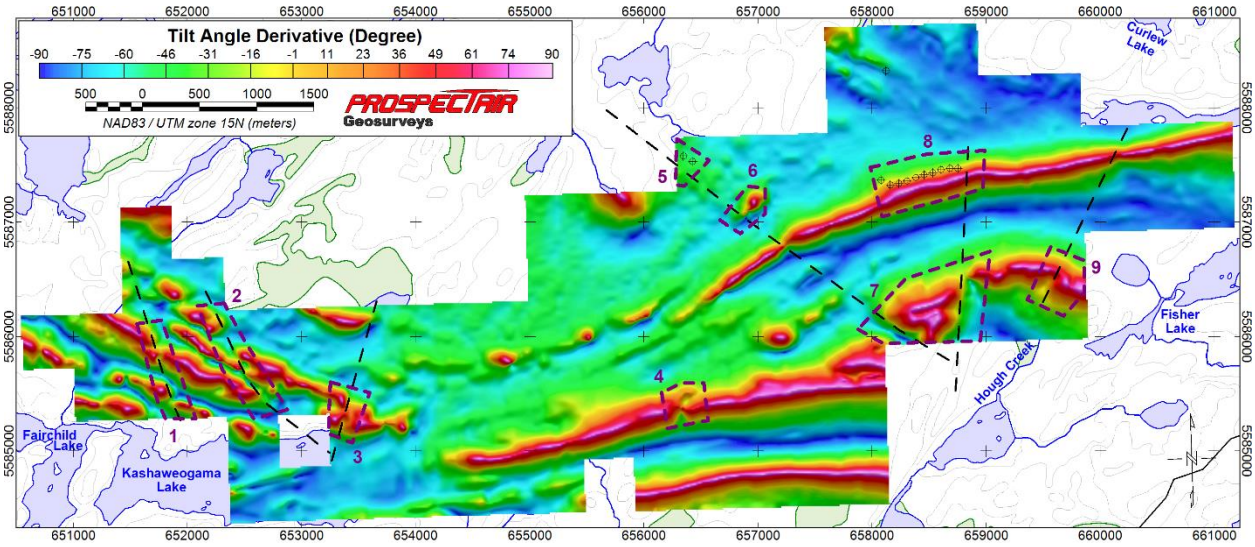
13.0 RECOMMENDATIONS

An exploration program comprised of detailed geological mapping, manual outcrop stripping, washing, and sampling to be completed on the four main historical zones (Cliff, Hoey, North, and Sidore) is recommended.

Further prospecting and mapping is recommended to locate other historic trenches such as the Ramsay-Johnson, North Zone, Stringer Zone, and 11W Trench showings. Positive results from the preliminary summer soil sampling in 2020 should be followed up with extended lines and infill on 25 m centres to help further delineate a mineralized trend.

Additional soil sample grids are recommended at 100m spaced lines and 25m centres over top of the iron formation on the southern part of the Property to identify areas of gold mineralization. Grids will be set up over areas of interpreted faulting as these structures are favourable for mineralization. The target 7 area is of high priority as it shows clear evidence of tight folding, where repetition and thickening of strata may allow for structures favourable for mineralization to accumulate (Figure 21).

Figure 20: Exploration target areas recommended from airborne



If results warrant, selected targets should later be drill tested with wide-spaced shallow holes to test for large-scale alteration, mineralization, and/or structural targets.

14.0 REFERENCES

Bond, W.D. 1980; Ontario Geological Survey Report 195: Geology of the Houghton-Hough Lake Area (Savant Lake Area).

Brown, A., 1969: Diamond Drill Report, Armit Lake Area; Assessment Report 52J07NW0027, Report No. 11, Canadian Nickel.

Fernberg. P.A., 1988: Geophysical Survey Kashaweogama Lake Project Ontario; Report 52J07NE006. Redaurum Red Lakes Mines LTD.

Fernberg. P.A., 1988: Geological & Geochemical Survey, Kashaweogama Lake Project Ontario; Report 52J07NE8877. Redaurum Red Lakes Mines LTD.

Groves, D. I., Goldfarb, R. J., Gebre-Mariam, M., Hagemann, S. G., and Robert, F., 1998. Orogenic gold deposits: A proposed classification in the context of their crustal distribution and relationship to other gold deposit types: Ore Geology Reviews, v. 13, p. 7-27.

Ho, J. W., 1988: Kash Lake Property 1987 Geology and Geochemistry Report; Report 52J07NW0013. Northern Dynasty Expl Ltd

Ho, J. W., 1988: Kash Lake Property, 1988 Geology and Geochemistry Report. Report 52J07NW8931 Northern Dynasty Expl Ltd

Ho, J. W., 1988: Kash Lake Property, 1988 Winter Geophysics Report; Report. Report 52J07NW0012 Northern Dynasty Expl Ltd

Northern Dynasty Expl Ltd. 1989. Diamond Drill Report, Armit Lake Area; Report 52J07NW0007 Report No 17. Northern Dynasty Expl Ltd

Hogg, G. M., 1990: A REPORT ON THE KASHAWEOGAMA (KASH) PROPERTY, SAVANT LAKE AREA, NORTHWESTERN ONTARIO; Report 52J07NW0001. G M Hogg & Associates

Hogg, G. M., 1990: A Report on the Geophysical Work on the Kashaweogama Property, Northwestern Ontario, During 1990; Report 52J07NW0003. G M Hogg & Associates

Hogg, G. M., 1991: REPORT ON THE 1991 Prospecting Program, Kashaweogama Lake, NORTHWESTERN ONTARIO, DURING 1990; Report 52J07NE0007. G M Hogg & Associates

Hogg, G. M., 1992: A Report on 1992 Sampling Operations, Kashaweogama Property; Report 52J07NE8876. G M Hogg & Associates

Hogg, G. M., 1992: A REPORT ON PROSPECTING OPERATIONS S SAMPLING ON THE KASHAWEOGAMA PROPERTY, NW ONTARIO, DURING 1991.; Report 52J07NE0001. G M Hogg & Associates

Hogg, G. M., 1992: A REPORT ON TRENCHING Se STRIPPING OPERATIONS. KASHAWEOGAMA PROPERTY, 1992; Report 52J07NW9183. G M Hogg & Associates

Hogg, G. M., 1994: REPORT ON ANALYTICAL WORK, KASHAWEOGAMA PROPERTY. 1994; Report 52J07NE0014. G M Hogg & Associates

Hogg, G. M., 1995: A REPORT ON TRENCHING k SAMPLING OPERATIONS, KASHAWEOGAMA PROPERTY, 1995; Report 52J07NE0012. G M Hogg & Associates

Johnson, S, C., 1981: Magnetometer Survey Report; Assessment Report 52J07NW0021

Kerrich, R., Goldfarb, R. J., Groves, D. I., and Garwin, S., 2000. The geodynamics of world-class gold deposits: Characteristics, space-time distribution, and origins: Reviews in Economic Geology, v. 13, p. 501-551.

Leary. G.M.,1982: FINAL REPORT 1982 SAVANT LAKE WINTER-SPRING PROJECT; Report 52J09SW2355. GML MINERALS CONSULTING LTD.

Leary. G.M.,1982: Diamond Drill Report, Armit Lake Area; Report 52J07NW0020 GML MINERALS CONSULTING LTD.

Robert, F., Poulsen, K.H., and Dube, B. (1997) Gold Deposits and Their Geological Classification. *In* “Proceedings of Exploration 97: Fourth Decennial International Conference on Mineral Exploration” *edited by* A.G. Gubins, 1977, p.209-220.

Robinson, A., 1920: Report on the Magnetic Survey made at Kashaweogama Lake. Assessment Report; 52J07NW2651, Ontario Bureau of Mines

15.0 CERTIFICATE OF QUALIFICATIONS

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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.

3. "Assessment Report" refers to the report titled "Assessment Report on the Fairchild Property, Patricia Mining Division, Northwestern Ontario" dated May, 11, 2021.

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

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

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

7. 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 11th day of May 2021.

"Brent Clark"

_____

APPENDIX

Prospectair Technical Report
Assay Certificates

Technical Report

Heliborne Magnetic and TDEM Survey

Armit Lake Project, Savant Lake area
Patricia Mining Division, Ontario
2020

Fairchild Gold Corp.
9285 203b Street
Langley, BC, Canada, V1M 2L9

Prospectair Geosurveys

Dynamic Discovery Geoscience

Prepared by:
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FIGURES

TABLES

I. INTRODUCTION

Prospectair conducted a heliborne magnetic (MAG) and time-domain electromagnetic (TDEM) survey for the mineral exploration company Fairchild Gold Corp. on its Armit Lake Property, located in the Savant Lake area, Patricia Mining Division, Province of Ontario (Figure 1). The survey was flown on April 24th, 2020.

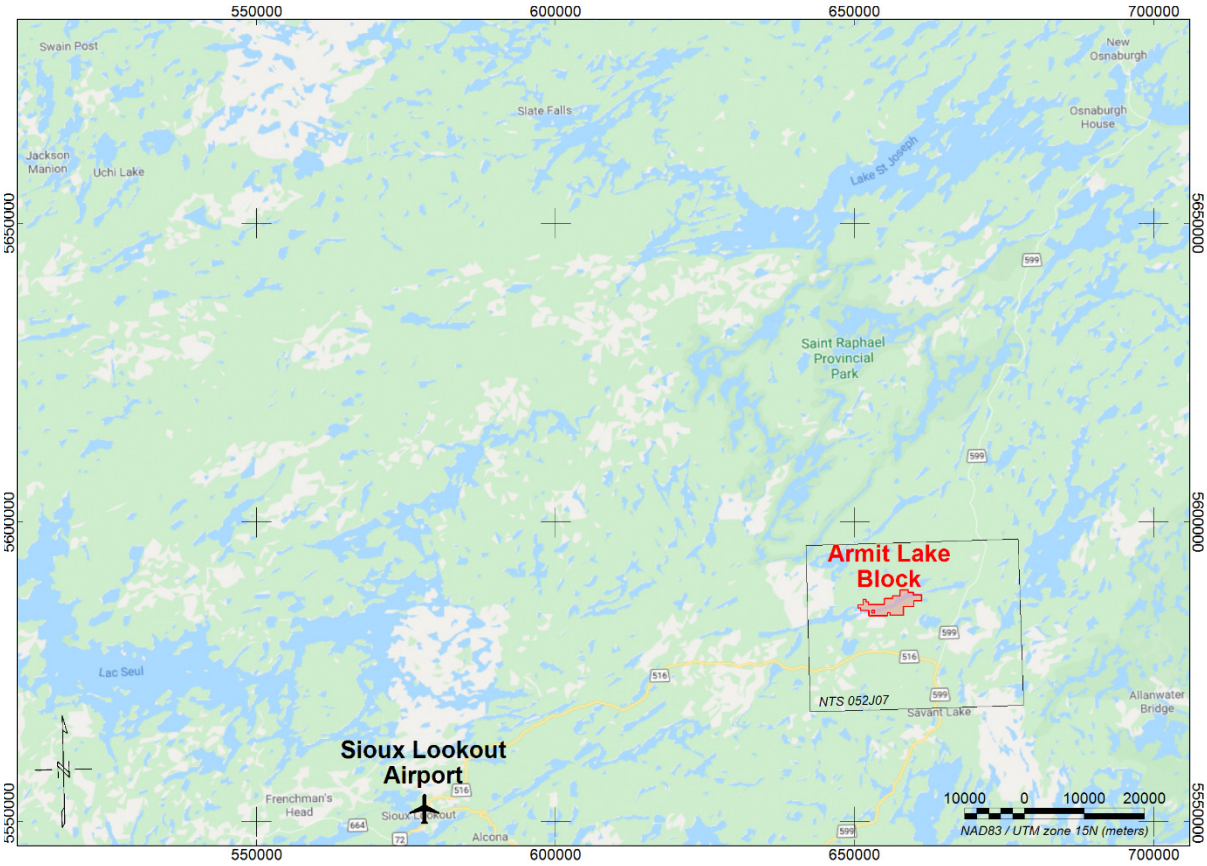
Figure 1: **General survey location**

One survey block was flown for a total of 323 l-km (Table 1). A total of 3 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 85 km to the southwest of the block. The block lies about 20 km to the north of the village of Savant Lake (Figure 2).

Table 1: **Survey blocks particulars**

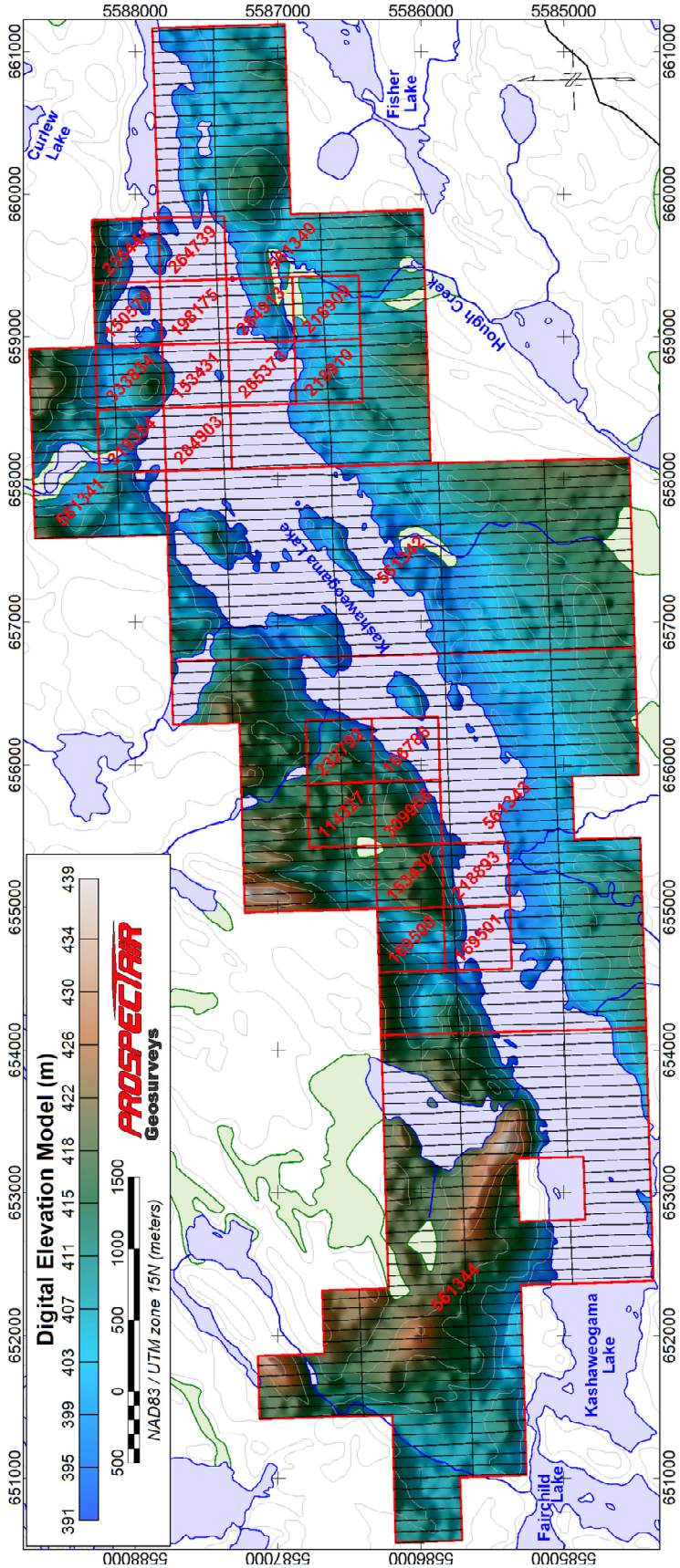
Block	NTS Mapsheets	Line-km flown	Flight numbers	Dates Flown
Armit Lake	052J07	323 l-km	Flt 1 to 3	April 24th

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



The Armit Lake block was flown with traverse lines at 100 m spacing and control lines spaced every 1000 m. The survey lines were oriented N358. The control lines were oriented perpendicular to traverse lines. The average height above ground of the helicopter was 83 m, with the mag sensor and receiver coil at 58 m, and the transmitter loop at 33 m above the ground. The average survey flying speed (calculated equivalent ground speed) was 32.8 m/s. The survey area is covered by forest, lakes and a few wetlands, and the topography is mostly gently undulating, with a few low-level hills. The elevation is ranging from 391 to 439 m above mean sea level (MSL). The south part of the Property can be accessed via forestry trails connecting to road 516, which links Sioux Lookout to Savant Lake. The Kashaweogama Lake lies in the center of the survey block, and stretches over its entire length. The Fairchild Lake is found at the southwest tip of the block. Coordinates outlining the survey block are given in Appendix A, with respect to NAD-83 datum, UTM projection zone 15N. The location of the Armit Lake Property claims (in red) and of the survey lines is shown on Figure 3. The Property claims numbers are also listed in Appendix B.

Figure 3: **Survey lines and Armit Lake 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

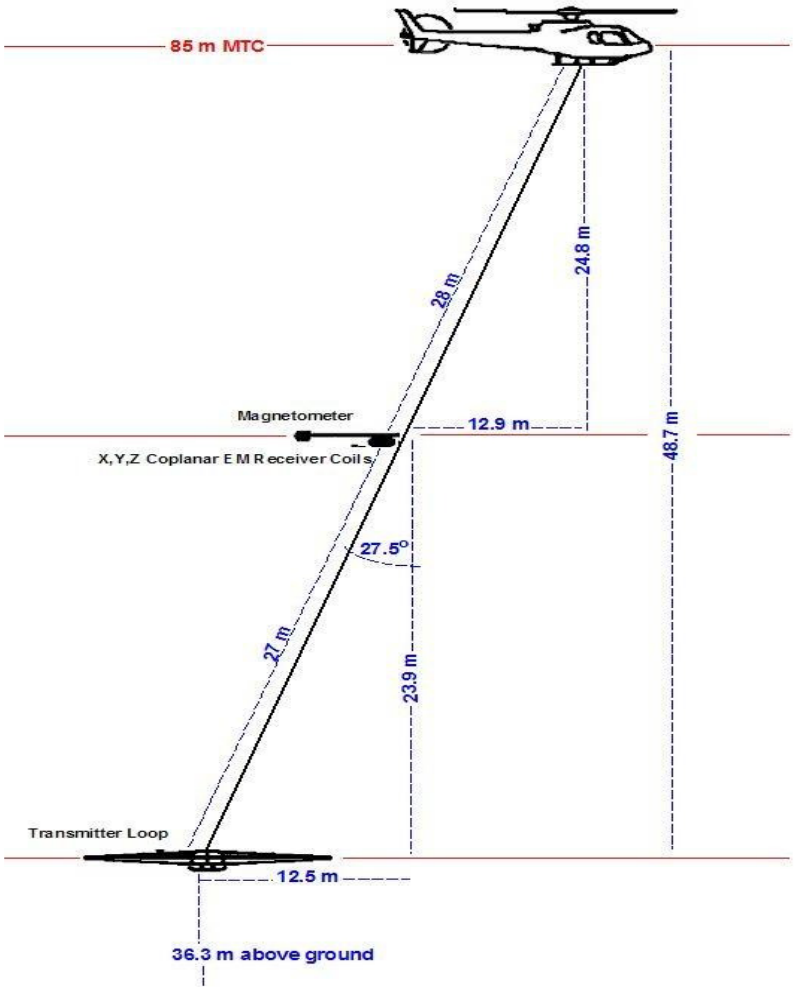
limits the total field excursions. The tear-drop vessel acts as a vane and maintains the mast in the line of flight.

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 (BMP format) 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: **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 total magnetic lag value for the AGIS acquisition system has been calculated to 0.69 s for this survey. The TDEM lag has been calculated to 1.15 s.

V. FIELD OPERATIONS

The survey operations were conducted out of the Sioux Lookout Airport on April 24th, 2020. The MAG-TDEM data acquisition required 3 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 50.1146552°N, longitude 91.8988731°W. The survey pilot was Alain Tremblay and the survey system technician was Jonathan Drolet.

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 9.7 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. A 0.69 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 allow 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 allow 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 58 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 juxtaposition 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 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 is 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 1.15 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 15 m grid cell size, appropriate for the survey lines spaced at 75 m. Traverse lines were used in the gridding process.

VII. RESULTS AND DISCUSSION

Magnetic data

The Residual Total Magnetic Intensity (TMI) of the Armit Lake block, presented in Figure 7 together with TDEM anomalies, is extremely active and varies over a range of 28,431 nT, with an average of 2,288 nT and a standard deviation of 3,609 nT.

Most of the survey block is affected by linear magnetic features characteristic of alternating sequences of mafic volcanics with sedimentary or intermediate to felsic volcanic rocks, with probably some small size intrusive stocks or dykes locally. The north area of the survey block shows settled magnetic signal variations and more homogeneous magnetic textures, which is typical of large size felsic to intermediate intrusions. The strongest anomalies of the survey are found in the eastern and southeastern parts of the block and certainly relate to magnetite rich iron formations. Stronger anomalies are best seen on Figure 8 which shows the residual TMI data with a linear color distribution. Other weaker anomalies that are still relatively strong are likely associated to mafic/ultramafic volcanic or intrusive rocks. In between these magnetic anomalies, areas with settled magnetic signal variations and depressed background values, are possibly related to sedimentary or felsic volcanic rocks.

Magnetic lineaments are mostly trending from NE-SW to ENE-WSW in the eastern part of the block, and are gradually switching to WNW-ESE in the western part of the block. Many lineaments are clearly curved, and even heavily folded in some places. These evidences of folding are attesting that the area underwent strong deformation events in the past and that shearing likely occurred in the area. 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 Armit Lake 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.

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

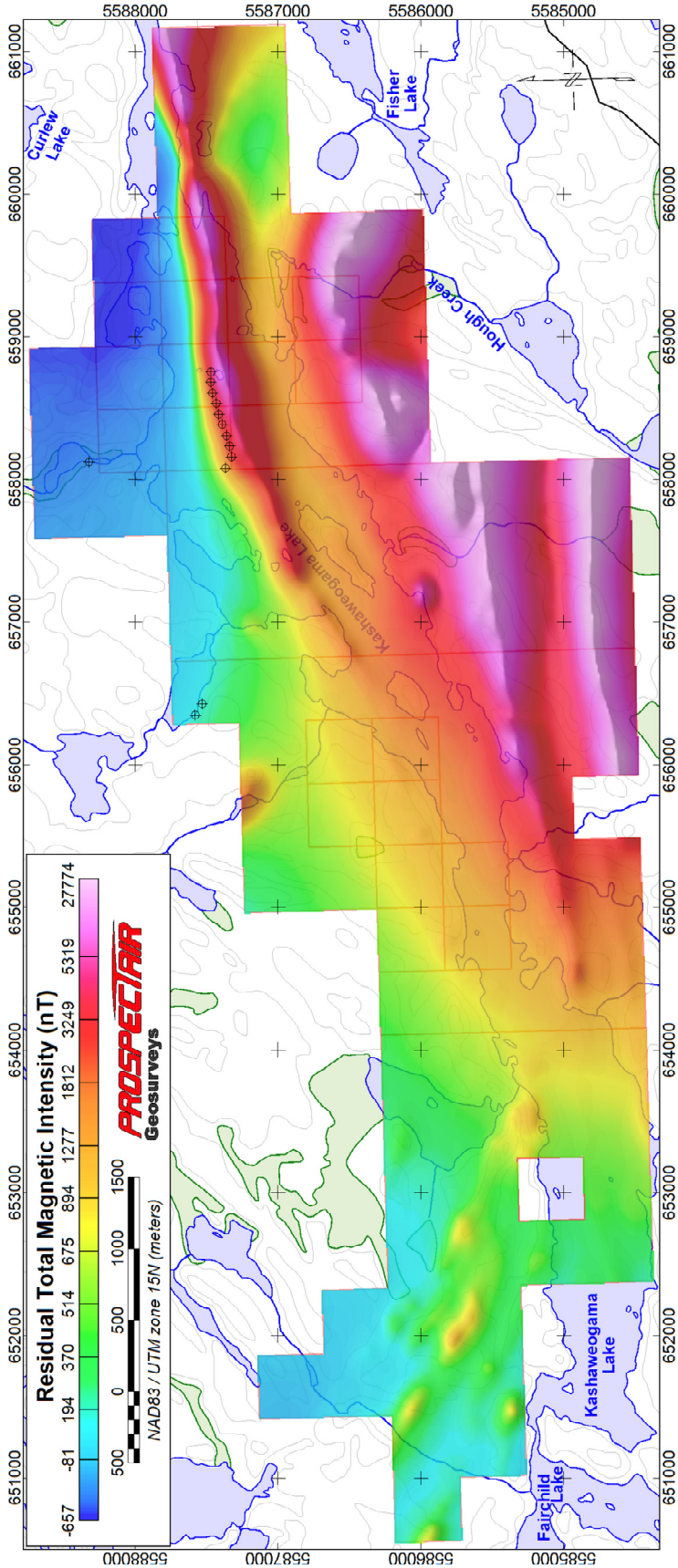


Figure 8: **Total magnetic intensity with linear color distribution and TDEM anomalies**

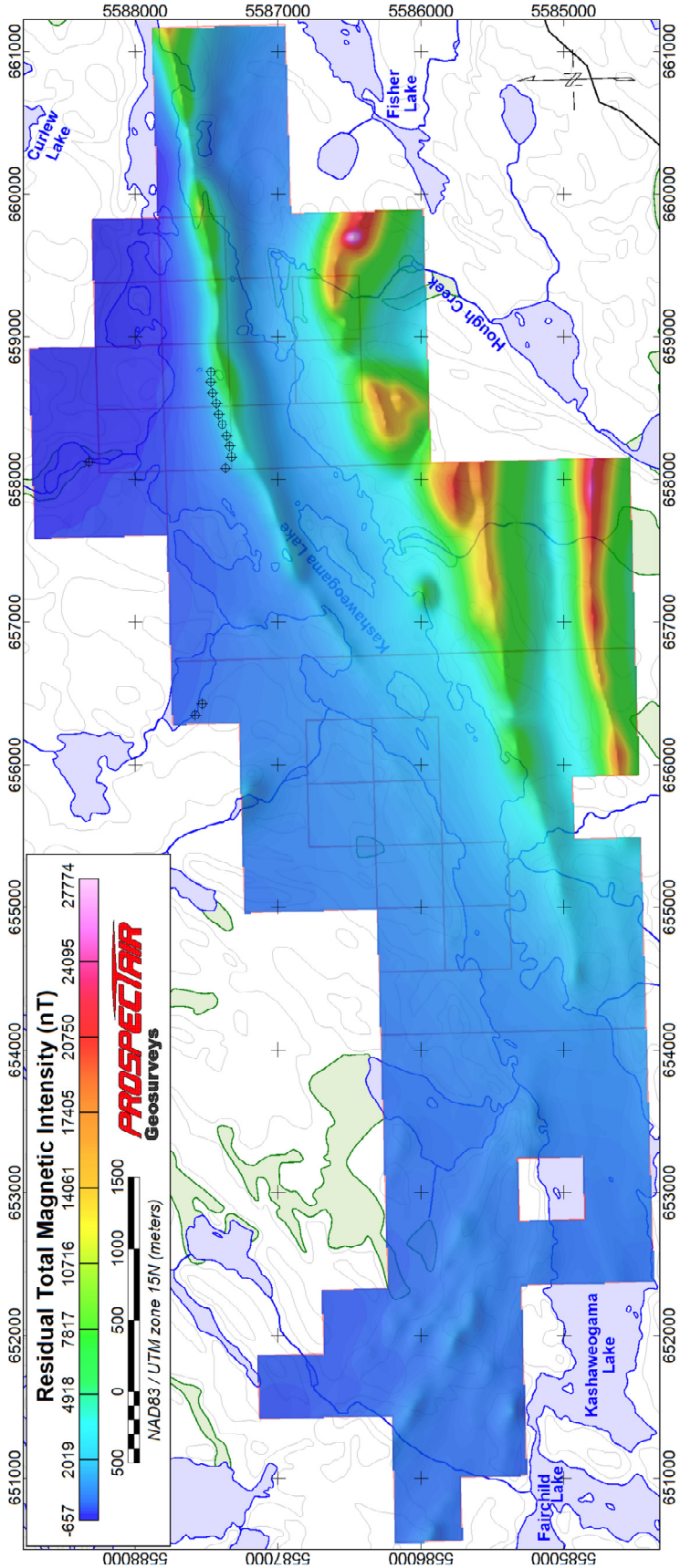


Figure 9: **First vertical derivative of TMI and TDEM anomalies**

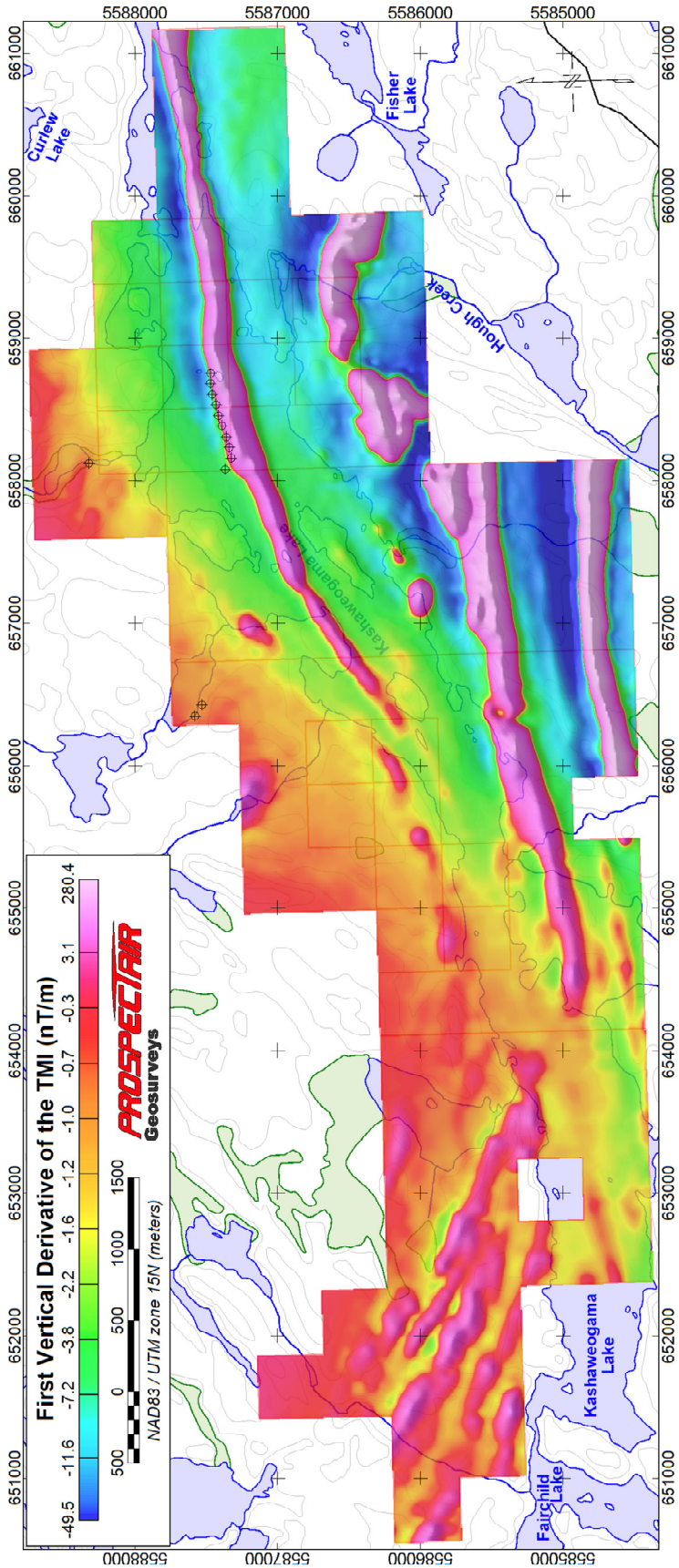


Figure 10: **Magnetic tilt angle derivative and TDEM anomalies**

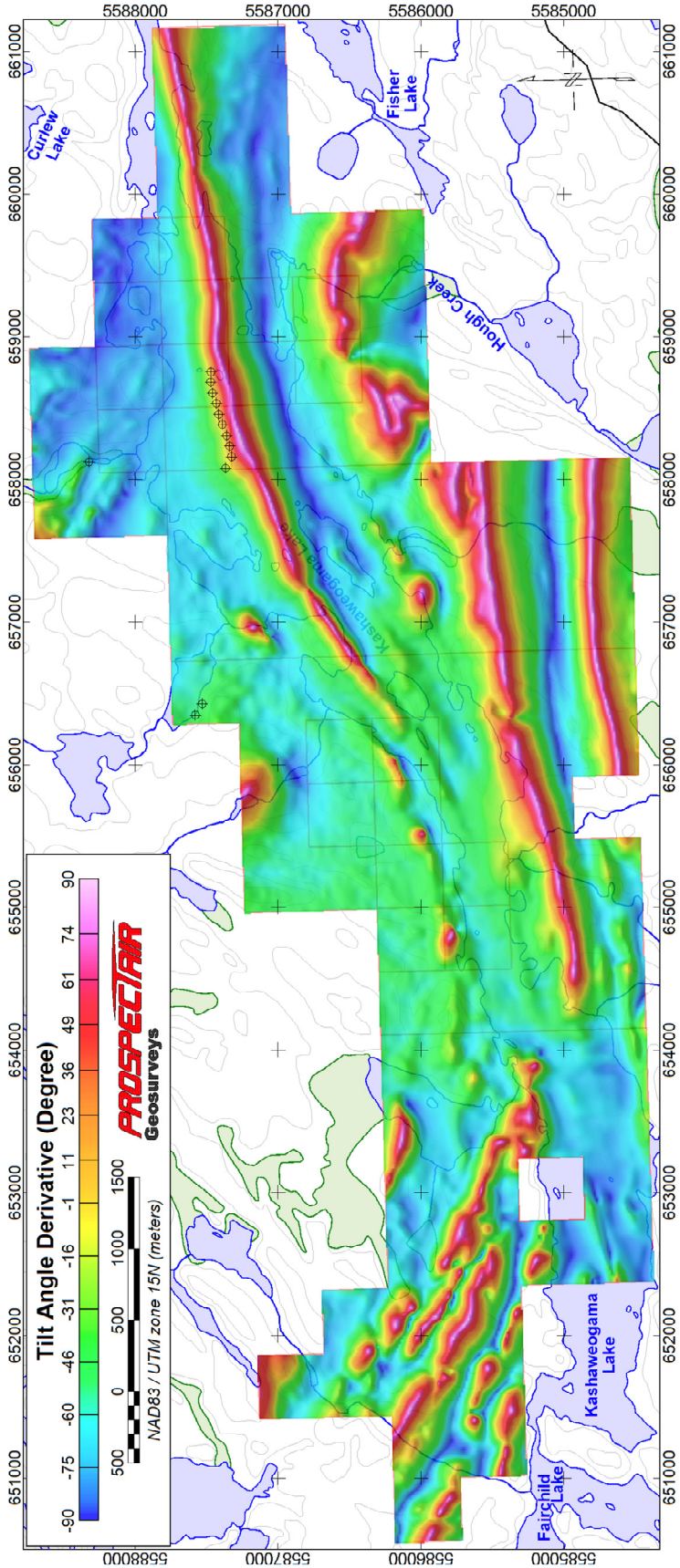
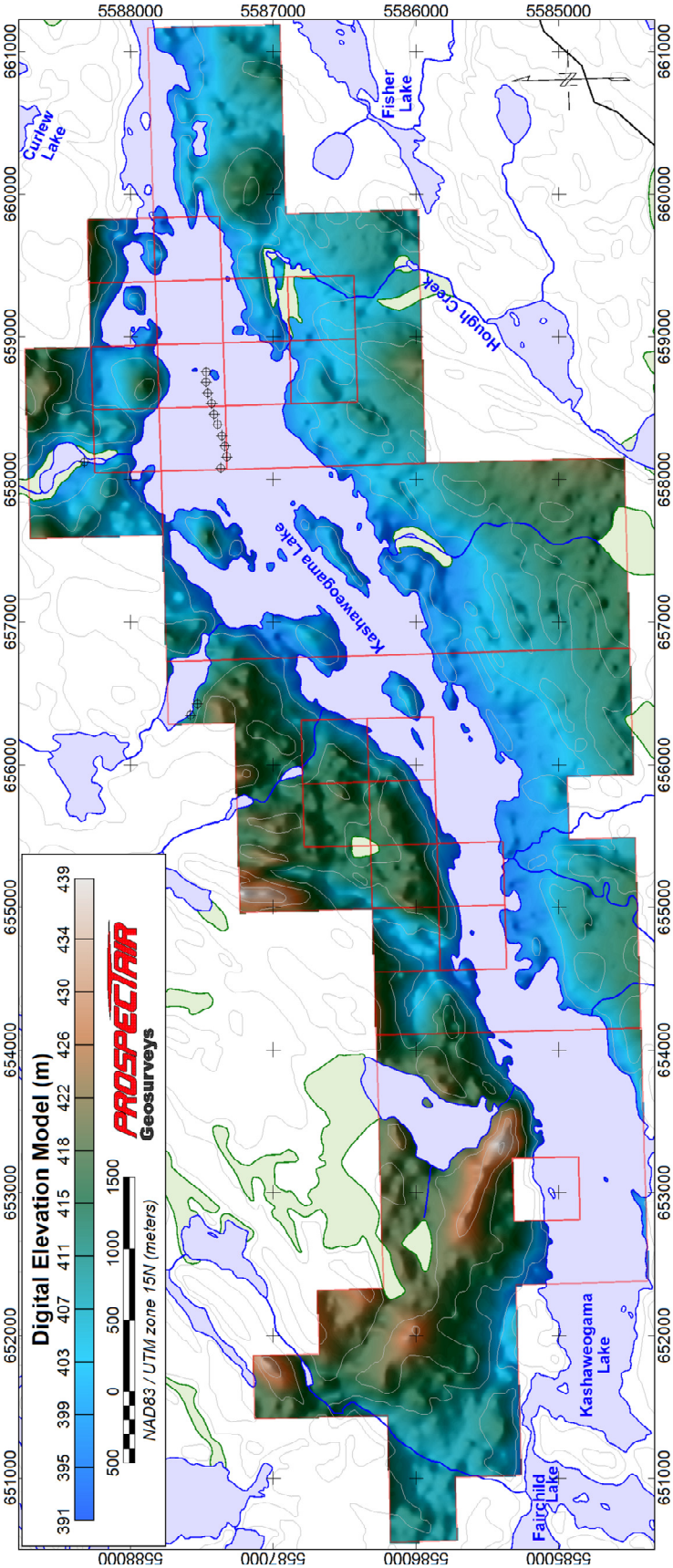


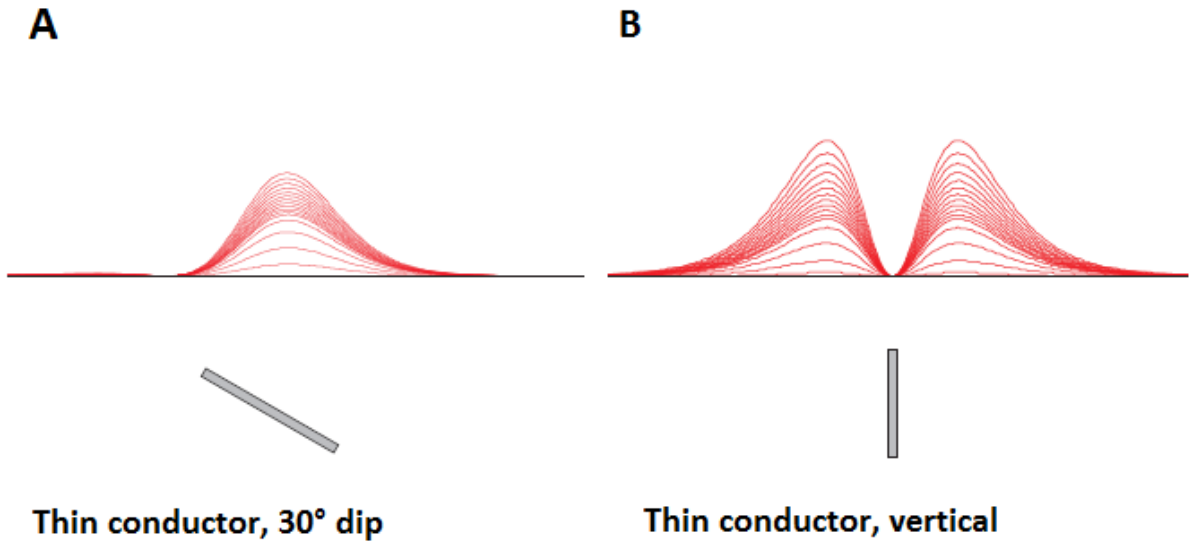
Figure 11: **Digital elevation model and TDEM anomalies**



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**

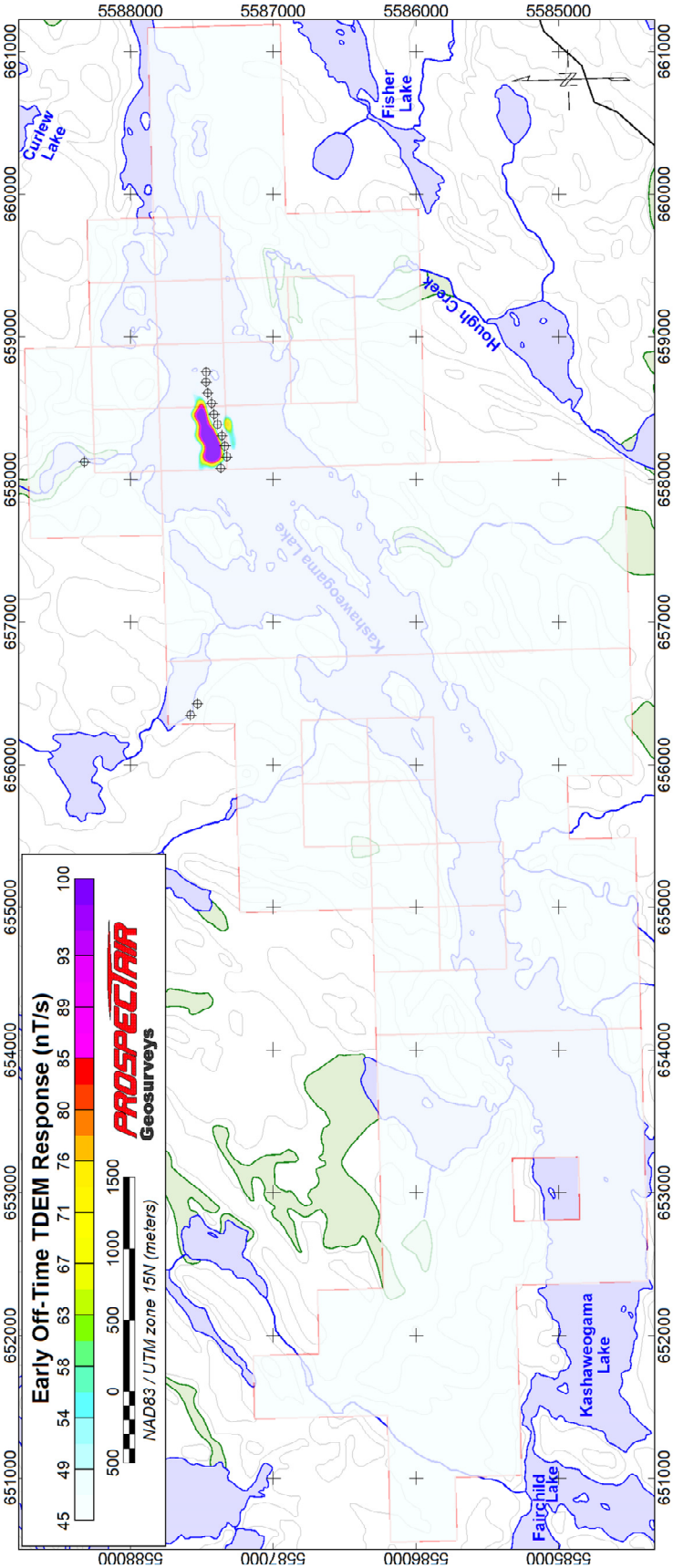


The classification of anomalies is based on the calculated time constant (TAU). The EM time constant is a general measure of the speed of decay of the electromagnetic response and reflects the "conductance quality" of a source. The decay rate of the secondary EM field recorded by the TDEM system is a 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 Armit Lake block, 13 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, all 13 anomalies are reported in this class. 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.

Basically, 3 distinct conductive areas have been outlined by the survey. Out of these, 2 are located at the north end of the block. They are really marginally conductive as they are only slightly exceeding the noise envelope of the system. They are also occurring besides lakes and wetlands and could be caused by conductive sediments, or, although less likely, by conductive mineralization of very limited extents. The third conductive area occurs underneath the Kashaweogama Lake. It depicts a stronger response at later times which is more typical of bedrock conductors. It also occurs very close to a very strong and continuous magnetic anomaly interpreted to relate to an iron formation. It could therefore directly originate from a sulphides rich section along this iron formation or from another conductive source (sulphides/graphite) spatially parallel and close to it.

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 identify 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 thickness prevents proper ground investigation, it is recommended to use the resistivity/IP technique to conduct exploration and eventually to accurately define drilling targets. This technique has been proven to detect sulphides occurrences associated to mineralization for several deposit types, no matter if sulphides are disseminated or rather found in a more massive form.

In addition, given the geological context that may be considered prospective for gold mineralization, it is also recommended to use the newly acquired magnetic data and known local geology to carry out a comprehensive structural interpretation. In the case of gold lode deposits, the geophysical signature is often very subtle given the absence of marked physical properties contrast. The best approach is rather indirect, and consists in looking for geophysical signatures typical of faults and deformation structures, where gold bearing dilation zones can develop. The recommended structural interpretation work could therefore help identifying cross-cutting or curved fault structures that could then be investigated further.

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	DEM	CDED Digital Elevation Model (w.r.t. MSL)	m
9	Terrain	Digital Elevation Model calculated from GPS and Radar	m
10	Mag_Raw	Raw magnetic data	nT
11	Mag_Lag	Lagged magnetic data	nT
12	Gnd_mag	Base station magnetic data	nT
13	Mag_Cor	Magnetic data corrected for diurnal variation	nT
14	TMI	Fully levelled Total Magnetic Intensity	nT
15	TMIres	Residual TMI (IGRF removed)	nT
16	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 1:10,000 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	TILT +TDEM_Anomalies	Tilt Angle 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 15 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	DEM	CDED Digital Elevation Model	m
2	TERRAIN	Digital Elevation Model measured by helicopter	m
3	TMI	Total Magnetic Intensity	nT
4	FVD	First Vertical Derivative of TMI	nT/m
5	SVD	Second Vertical Derivative of TMI	nT/m^2
6	TMIres	Residual TMI (IGRF removed)	nT
7	TILT	Tilt Angle Derivative of the TMI	Degree
8	Early_Off-Time	Early Off-Time TDEM response (Channel 13)	nT/s
9	Mid_Off-Time	Mid Off-Time TDEM response (Channel 20)	nT/s
10	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.
May 22nd 2020

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 21 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 22nd day of May, 2020

_____
Joël Dubé, P.Eng. #100194954

XI. Appendix A – Survey block outline

Armit Lake Block

Easting	Northing
658156	5584542
655930	5584476
655927	5584511
655925	5584567
655925	5584631
655920	5584778
655915	5584861
655911	5584940
655477	5584927
655491	5584463
652375	5584372
652349	5585299
651017	5585261
651004	5585724
650560	5585711
650554	5585919
650548	5586019
650545	5586085
650542	5586180
651434	5586205
651408	5587132
651857	5587144
651870	5586681
652314	5586694
652327	5586231
654987	5586308
654960	5587234
656292	5587274
656278	5587737
657610	5587777
657582	5588703
658919	5588743
658932	5588280
659820	5588307
659834	5587844
661166	5587884
661194	5586953
659862	5586912
659891	5585985
658114	5585932

XII. Appendix B – Property claims numbers covered by the survey

Tenure number	Holder
561344	(100) PERRY VERN ENGLISH
169501	(100) PERRY VERN ENGLISH
218893	(100) PERRY VERN ENGLISH
561343	(100) PERRY VERN ENGLISH
169500	(100) PERRY VERN ENGLISH
153430	(100) PERRY VERN ENGLISH
309966	(100) PERRY VERN ENGLISH
166786	(100) PERRY VERN ENGLISH
114327	(100) PERRY VERN ENGLISH
232792	(100) PERRY VERN ENGLISH
561342	(100) PERRY VERN ENGLISH
218910	(100) PERRY VERN ENGLISH
218909	(100) PERRY VERN ENGLISH
561340	(100) PERRY VERN ENGLISH
265373	(100) PERRY VERN ENGLISH
284913	(100) PERRY VERN ENGLISH
284903	(100) PERRY VERN ENGLISH
153431	(100) PERRY VERN ENGLISH
198175	(100) PERRY VERN ENGLISH
264739	(100) PERRY VERN ENGLISH
319354	(100) PERRY VERN ENGLISH
333834	(100) PERRY VERN ENGLISH
150576	(100) PERRY VERN ENGLISH
235444	(100) PERRY VERN ENGLISH
561341	(100) PERRY VERN ENGLISH

XIII. Appendix C – Armit Lake block TDEM anomaly table

Line	UTM_X (m)	UTM_Y (m)	ID	Time Constant (msec)	Amplitude at zero delay (nT/s)
790	656347	5587579	790.01	0.10	0
800	656426	5587532	800.01	0.10	0
1020	658079	5587369	1020.01	0.10	0
1030	658160	5587327	1030.01	0.10	0
1030	658123	5588324	1030.02	0.10	0
1040	658234	5587340	1040.01	0.10	0
1050	658306	5587361	1050.01	0.10	0
1060	658385	5587391	1060.01	0.10	0
1070	658456	5587416	1070.01	0.10	0
1080	658533	5587433	1080.01	0.10	0
1090	658604	5587460	1090.01	0.10	0
1100	658683	5587472	1100.01	0.10	0
1110	658753	5587471	1110.01	0.10	0

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-06773**
Report Date: **23-Jul-20**
Date Submitted: **29-Jun-20**
Your Reference: **Armit Lake**

Clark Exploration Consulting Inc.
941 Cobalt Crescent
Thunder Bay ON P7B 5Z4
Canada

ATTN: Garry Clark

CERTIFICATE OF ANALYSIS

159 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	

REPORT **A20-06773**

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.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B181251	< 0.2	< 0.5	10	645	4	18	10	18	0.24	8	< 10	65	< 0.5	< 2	1.19	8	33	3.25	< 10	< 1	0.12	< 10	0.32
B181252	< 0.2	< 0.5	93	952	1	32	4	60	2.18	< 2	< 10	58	< 0.5	< 2	1.25	14	61	8.15	< 10	2	0.83	16	1.15
B181253	< 0.2	< 0.5	46	835	< 1	195	9	57	2.50	3	< 10	345	< 0.5	2	4.08	30	216	4.70	< 10	< 1	0.38	51	3.86
B181254	< 0.2	< 0.5	16	648	1	45	23	67	1.81	13	< 10	77	< 0.5	< 2	0.20	13	52	3.68	< 10	< 1	0.21	27	1.22
B181255	< 0.2	< 0.5	11	928	2	18	39	20	0.56	7	< 10	44	< 0.5	< 2	3.54	6	27	1.48	< 10	< 1	0.10	< 10	0.38
B181256	< 0.2	< 0.5	21	782	2	11	24	13	0.19	175	< 10	22	< 0.5	2	1.00	7	13	2.03	< 10	< 1	0.02	< 10	0.25
B181257	< 0.2	< 0.5	26	341	< 1	61	4	86	2.13	79	< 10	85	< 0.5	< 2	0.45	18	62	4.97	< 10	< 1	0.76	31	1.57
B181258	< 0.2	< 0.5	19	553	< 1	27	21	43	1.01	39	< 10	64	< 0.5	< 2	0.59	10	24	3.10	< 10	< 1	0.20	15	0.66
B181259	< 0.2	< 0.5	9	846	< 1	14	< 2	25	1.09	3	< 10	122	< 0.5	< 2	4.28	7	18	2.44	< 10	< 1	0.13	< 10	0.70
B181260	< 0.2	< 0.5	19	457	2	8	17	17	0.71	< 2	< 10	140	< 0.5	< 2	3.16	4	22	1.61	< 10	< 1	0.15	< 10	0.40
B181261	< 0.2	< 0.5	6	222	2	16	2	12	0.49	< 2	< 10	99	< 0.5	< 2	0.65	5	66	1.02	< 10	< 1	0.08	< 10	0.47
B181262	< 0.2	< 0.5	115	1110	< 1	49	6	52	1.31	< 2	< 10	101	< 0.5	2	5.43	23	60	5.08	< 10	< 1	0.21	43	3.26
B181263	< 0.2	< 0.5	55	1270	< 1	61	8	53	1.09	< 2	< 10	98	< 0.5	3	5.21	21	53	4.67	< 10	< 1	0.25	45	3.67
B181264	< 0.2	< 0.5	10	1040	< 1	53	4	62	1.53	2	< 10	78	< 0.5	3	4.66	25	57	5.16	< 10	< 1	0.23	55	3.22
B181265	< 0.2	< 0.5	89	658	< 1	43	4	63	2.55	< 2	< 10	195	< 0.5	< 2	1.66	24	73	4.44	< 10	< 1	0.28	46	2.31
B181266	< 0.2	< 0.5	50	97	4	3	< 2	4	0.07	< 2	< 10	24	< 0.5	< 2	0.05	1	40	0.70	< 10	< 1	0.04	< 10	0.03
B181267	< 0.2	< 0.5	33	869	2	26	8	30	0.45	3	< 10	104	< 0.5	< 2	0.67	15	21	2.93	< 10	< 1	0.23	23	0.35
B181268	< 0.2	< 0.5	16	508	2	16	19	57	0.49	5	< 10	95	< 0.5	< 2	1.46	9	9	2.25	< 10	< 1	0.26	32	0.29
B181269	< 0.2	< 0.5	82	868	< 1	109	13	73	2.57	48	< 10	33	< 0.5	< 2	3.89	39	167	5.92	< 10	< 1	0.05	21	2.79
B181270	< 0.2	< 0.5	1	50	< 1	< 1	< 2	< 2	0.01	< 2	< 10	< 10	< 0.5	< 2	0.02	< 1	2	0.45	< 10	< 1	< 0.01	< 10	< 0.01
B181271	0.4	< 0.5	183	1740	1	84	8	20	0.72	21	< 10	44	< 0.5	< 2	3.27	40	54	4.88	< 10	< 1	0.24	< 10	1.20
B181272	< 0.2	< 0.5	63	1410	1	146	9	41	2.77	4	< 10	188	< 0.5	< 2	1.64	28	436	5.56	< 10	< 1	1.24	20	2.55
B181273	< 0.2	< 0.5	26	607	< 1	24	4	18	1.15	6	< 10	71	< 0.5	< 2	1.91	7	22	1.97	< 10	< 1	0.27	20	1.00
B181274	< 0.2	< 0.5	14	649	< 1	7	< 2	7	0.12	< 2	< 10	74	< 0.5	< 2	0.03	2	24	4.03	< 10	< 1	0.08	< 10	0.15
B181275	< 0.2	< 0.5	< 1	936	< 1	3	< 2	13	0.08	4	< 10	37	0.8	< 2	1.03	< 1	12	1.55	< 10	< 1	0.05	< 10	0.15
B181276	< 0.2	< 0.5	8	95	2	5	< 2	2	0.02	8	< 10	19	< 0.5	< 2	0.02	< 1	25	0.53	< 10	< 1	< 0.01	< 10	< 0.01
B181277	< 0.2	< 0.5	18	797	< 1	52	< 2	4	0.05	50	< 10	51	< 0.5	< 2	0.19	6	6	3.71	< 10	< 1	0.04	< 10	0.11
B181278	< 0.2	< 0.5	9	631	< 1	7	< 2	6	0.19	175	< 10	77	< 0.5	< 2	0.05	< 1	7	3.86	< 10	< 1	0.06	< 10	0.34
B181279	< 0.2	< 0.5	2	963	2	9	18	38	0.11	1380	< 10	32	< 0.5	< 2	1.13	4	19	2.69	< 10	1	0.06	< 10	0.13
B181280	2.3	2.7	28	79	2	13	603	500	0.04	> 10000	< 10	15	< 0.5	3	0.06	6	23	1.59	< 10	< 1	0.02	< 10	0.02
B181281	< 0.2	< 0.5	26	397	1	32	15	59	0.66	136	< 10	69	< 0.5	< 2	0.77	12	16	2.45	< 10	< 1	0.19	36	0.35
B181282	0.9	0.8	4	258	2	4	254	242	0.06	3240	< 10	29	< 0.5	< 2	0.27	2	26	1.21	< 10	< 1	0.03	< 10	0.06
B181283	< 0.2	< 0.5	1	279	1	8	58	57	0.25	7190	< 10	50	< 0.5	< 2	0.89	4	12	1.32	< 10	< 1	0.14	20	0.27
B181284	< 0.2	< 0.5	4	385	< 1	8	19	50	0.33	4580	< 10	63	< 0.5	< 2	1.24	5	7	1.43	< 10	< 1	0.19	20	0.30
B181285	< 0.2	< 0.5	1	162	3	4	32	84	0.16	1070	< 10	41	< 0.5	< 2	0.30	2	26	0.72	< 10	< 1	0.10	14	0.03
B181286	< 0.2	0.7	4	596	4	31	108	165	0.32	> 10000	< 10	64	< 0.5	< 2	1.11	29	14	2.74	< 10	< 1	0.18	< 10	0.13
B181287	< 0.2	< 0.5	41	302	< 1	8	9	34	0.90	51	< 10	74	< 0.5	< 2	0.73	6	13	2.16	< 10	< 1	0.45	22	0.54
B181288	< 0.2	< 0.5	39	368	3	7	26	30	0.54	135	< 10	53	< 0.5	< 2	0.70	2	11	1.73	< 10	< 1	0.14	25	0.23
B181289	5.5	0.8	89	504	< 1	53	2160	187	1.67	174	< 10	< 10	0.8	< 2	0.16	69	48	10.2	< 10	< 1	0.13	< 10	0.80
B181290	1.0	< 0.5	28	452	< 1	38	260	89	1.65	104	< 10	< 10	0.8	< 2	0.17	46	50	6.05	< 10	< 1	0.15	11	0.72
B181291	1.8	9.8	308	133	2	41	449	1530	0.70	10	< 10	34	0.8	< 2	0.05	16	13	1.67	< 10	< 1	0.17	37	0.22
B181292	0.6	1.6	121	1350	< 1	105	81	527	3.09	91	< 10	18	< 0.5	< 2	0.06	56	101	6.65	< 10	< 1	0.14	11	2.15
B181293	< 0.2	< 0.5	136	1260	< 1	37	4	151	3.15	3	< 10	30	< 0.5	< 2	0.16	20	105	7.89	< 10	< 1	0.11	20	1.58
B181294	1.8	< 0.5	18	25	3	15	242	7	0.50	81	< 10	15	< 0.5	< 2	0.03	14	14	2.63	< 10	< 1	0.22	< 10	0.01
B181295	0.6	0.7	176	378	< 1	49	47	231	1.23	91	< 10	< 10	< 0.5	< 2	0.06	40	44	5.19	< 10	< 1	0.17	< 10	0.46
B181296	0.9	0.8	174	239	1	59	74	160	1.00	171	< 10	< 10	< 0.5	< 2	0.06	68	33	8.48	< 10	< 1	0.19	< 10	0.27
B181297	0.4	< 0.5	32	62	1	64	43	14	0.54	175	< 10	< 10	< 0.5	< 2	0.07	71	16	7.08	< 10	< 1	0.15	< 10	0.06
B181298	< 0.2	< 0.5	11	288	< 1	6	5	12	1.05	223	< 10	129	< 0.5	< 2	< 0.01	1	132	1.00	< 10	< 1	0.15	11	0.06
B181299	< 0.2	< 0.5	6	40	3	< 1	4	< 2	0.04	9	< 10	18	< 0.5	< 2	< 0.01	< 1	34	0.41	< 10	< 1	0.02	< 10	< 0.01
B181300	< 0.2	< 0.5	12	225	< 1	8	6	13	0.72	87	20	79	< 0.5	< 2	< 0.01	< 1	104	1.16	< 10	< 1	0.09	16	0.08
B181301	< 0.2	< 0.5	6	19	3	< 1	10	< 2	0.32	< 2	< 10	78	< 0.5	< 2	< 0.01	< 1	7	0.34	< 10	< 1	0.22	< 10	0.01

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B181302	< 0.2	< 0.5	6	17	4	< 1	6	< 2	0.36	3	< 10	32	< 0.5	< 2	< 0.01	< 1	5	0.43	< 10	< 1	0.23	18	< 0.01
B181303	< 0.2	< 0.5	225	1540	< 1	78	< 2	92	3.94	9	< 10	11	< 0.5	< 2	3.86	42	101	8.34	< 10	2	< 0.01	< 10	3.65
B181304	< 0.2	< 0.5	151	1240	< 1	88	< 2	89	3.52	16	< 10	11	< 0.5	< 2	1.99	47	165	7.56	< 10	2	< 0.01	< 10	3.04
B181305	< 0.2	< 0.5	176	2100	< 1	79	7	115	4.10	9	< 10	21	< 0.5	< 2	2.33	43	33	8.64	10	< 1	0.06	< 10	2.40
B181306	0.3	< 0.5	196	1010	< 1	97	4	144	3.06	40	< 10	26	< 0.5	< 2	0.31	75	167	8.15	10	< 1	0.04	< 10	1.90
B181307	< 0.2	< 0.5	21	419	1	5	7	70	1.62	4	< 10	74	< 0.5	< 2	0.10	7	5	3.34	< 10	< 1	0.21	16	0.63
B181308	< 0.2	< 0.5	121	992	1	33	< 2	114	3.75	63	< 10	31	< 0.5	< 2	0.04	16	40	9.71	10	2	0.10	19	1.82
B181309	0.2	< 0.5	154	165	4	9	13	61	1.04	29	< 10	34	< 0.5	< 2	0.02	2	18	2.30	< 10	< 1	0.10	22	0.52
B181310	< 0.2	< 0.5	1	51	< 1	< 1	< 2	< 2	0.01	< 2	< 10	< 10	< 0.5	< 2	0.02	< 1	2	0.46	< 10	< 1	< 0.01	< 10	< 0.01
B181311	< 0.2	< 0.5	100	820	< 1	28	6	51	3.13	< 2	< 10	145	< 0.5	< 2	1.23	10	46	9.43	< 10	2	0.70	13	1.49
B181312	< 0.2	< 0.5	52	821	< 1	46	10	54	2.75	4	< 10	157	< 0.5	< 2	3.46	16	58	8.31	< 10	< 1	0.72	38	1.56
B181313	< 0.2	< 0.5	48	730	< 1	39	9	61	2.32	22	< 10	65	< 0.5	< 2	2.41	19	41	6.81	< 10	< 1	0.41	36	1.86
B181314	< 0.2	< 0.5	84	954	< 1	48	7	58	3.34	12	< 10	35	< 0.5	< 2	3.17	20	74	11.7	< 10	2	0.61	35	2.00
B181315	< 0.2	< 0.5	33	773	< 1	30	4	57	3.03	36	< 10	13	< 0.5	< 2	0.65	6	68	19.8	< 10	2	0.62	12	2.10
B181316	< 0.2	< 0.5	9	433	< 1	30	5	128	1.73	3	< 10	76	< 0.5	< 2	0.91	11	29	3.83	< 10	< 1	0.26	18	1.13
B181317	< 0.2	< 0.5	150	522	< 1	34	< 2	40	1.58	3	< 10	76	< 0.5	< 2	1.36	19	26	3.73	< 10	< 1	0.16	< 10	1.56
B181318	< 0.2	< 0.5	38	724	< 1	55	< 2	44	2.42	4	< 10	27	< 0.5	< 2	1.87	26	73	4.91	< 10	< 1	0.05	< 10	2.15
B181319	< 0.2	< 0.5	40	731	< 1	179	15	60	1.88	7	< 10	63	< 0.5	< 2	3.26	23	89	3.91	< 10	< 1	0.16	15	2.72
B181320	< 0.2	< 0.5	48	653	< 1	49	6	64	2.25	21	< 10	35	< 0.5	< 2	2.27	17	70	5.10	< 10	< 1	0.10	13	1.87
B181321	0.3	< 0.5	156	947	< 1	78	3	58	2.83	15	< 10	98	< 0.5	< 2	3.17	34	145	6.48	10	< 1	0.63	23	2.48
B181322	< 0.2	< 0.5	73	458	< 1	42	7	27	1.40	12	< 10	33	< 0.5	< 2	1.89	20	76	2.67	< 10	< 1	0.07	25	0.74
B181323	< 0.2	< 0.5	132	627	< 1	57	5	50	1.90	2	< 10	84	< 0.5	< 2	0.73	28	114	4.47	< 10	< 1	0.22	23	1.42
B181324	< 0.2	< 0.5	8	149	< 1	10	< 2	5	0.04	2	< 10	< 10	< 0.5	4	0.29	< 1	4	24.9	< 10	< 1	< 0.01	< 10	0.19
B181325	< 0.2	< 0.5	8	357	< 1	12	< 2	45	1.42	< 2	< 10	140	< 0.5	< 2	0.47	9	16	2.56	< 10	< 1	0.93	< 10	0.86
B181326	0.3	< 0.5	247	2050	< 1	63	< 2	70	2.75	32	< 10	50	< 0.5	< 2	1.53	37	107	8.64	10	1	0.36	12	1.52
B181327	< 0.2	< 0.5	30	155	4	5	8	< 2	0.05	3	< 10	< 10	< 0.5	< 2	0.19	4	38	1.02	< 10	< 1	< 0.01	< 10	0.03
B181328	< 0.2	< 0.5	141	795	< 1	49	16	26	1.23	105	< 10	44	< 0.5	< 2	1.06	31	107	4.06	< 10	< 1	0.27	28	0.85
B181329	0.2	0.8	149	1150	< 1	56	48	137	2.18	41	< 10	105	< 0.5	< 2	2.99	33	6	6.08	< 10	< 1	0.83	28	1.29
B181330	0.2	< 0.5	125	1060	< 1	49	6	59	2.19	39	< 10	139	< 0.5	< 2	2.60	28	5	6.05	< 10	< 1	0.97	20	1.25
B181331	< 0.2	< 0.5	152	1780	< 1	103	< 2	100	4.21	24	< 10	54	0.6	< 2	1.73	40	40	9.30	10	3	0.20	18	4.44
B181332	< 0.2	< 0.5	5	189	< 1	13	< 2	7	0.86	< 2	< 10	< 10	< 0.5	< 2	0.88	5	75	1.03	< 10	< 1	< 0.01	< 10	0.50
B181333	< 0.2	< 0.5	18	694	1	4	13	58	1.06	3	< 10	85	< 0.5	< 2	0.58	3	7	1.78	< 10	< 1	0.12	37	0.71
B181334	< 0.2	< 0.5	4	415	< 1	178	4	55	2.29	5	< 10	174	< 0.5	< 2	0.71	25	195	3.38	< 10	< 1	0.59	< 10	1.76
B181501	< 0.2	< 0.5	8	354	< 1	10	2	25	0.57	8	< 10	39	< 0.5	< 2	2.67	4	21	1.15	< 10	< 1	0.08	14	1.25
B181502	< 0.2	< 0.5	19	1150	< 1	17	3	52	0.82	6	< 10	72	< 0.5	< 2	1.96	8	23	1.75	< 10	< 1	0.10	17	1.17
B181503	< 0.2	0.5	35	501	< 1	18	5	109	1.43	5	< 10	79	< 0.5	< 2	0.81	6	31	1.72	< 10	< 1	0.06	26	0.39
B181504	< 0.2	< 0.5	4	207	< 1	8	3	34	0.48	2	< 10	34	< 0.5	< 2	0.45	3	14	0.74	< 10	< 1	0.02	12	0.29
B181505	< 0.2	0.5	63	1120	2	28	8	91	0.97	19	< 10	42	< 0.5	< 2	0.83	11	30	2.65	< 10	< 1	0.09	20	0.58
B181506	< 0.2	0.5	30	315	< 1	14	5	89	1.23	5	< 10	43	< 0.5	< 2	0.72	5	24	1.24	< 10	< 1	0.04	22	0.25
B181507	< 0.2	0.8	40	931	1	18	5	135	1.64	3	< 10	73	< 0.5	< 2	0.77	11	30	3.06	< 10	< 1	0.06	35	0.32
B181508	< 0.2	< 0.5	42	1300	< 1	27	5	113	1.36	10	< 10	85	< 0.5	< 2	1.10	11	39	2.41	< 10	< 1	0.11	28	0.76
B181551	< 0.2	< 0.5	97	1480	< 1	22	< 2	72	3.88	< 2	< 10	364	< 0.5	< 2	0.66	34	5	8.43	10	1	0.58	14	3.57
B181552	< 0.2	< 0.5	8	540	< 1	72	4	41	1.41	9	< 10	39	< 0.5	< 2	0.33	16	231	2.16	< 10	< 1	0.05	< 10	1.20
B181553	< 0.2	< 0.5	9	497	< 1	47	4	37	1.41	8	< 10	53	< 0.5	< 2	0.48	15	110	2.38	< 10	< 1	0.07	< 10	0.84
B181554	< 0.2	< 0.5	4	217	< 1	20	4	12	0.64	< 2	< 10	27	< 0.5	< 2	0.17	5	86	1.53	< 10	< 1	0.05	< 10	0.34
B181555	< 0.2	< 0.5	4	83	< 1	9	3	11	0.64	< 2	< 10	30	< 0.5	< 2	0.16	3	30	1.19	< 10	< 1	0.04	< 10	0.25
B181556	< 0.2	< 0.5	4	71	< 1	11	4	10	0.68	< 2	< 10	28	< 0.5	< 2	0.16	2	28	1.49	< 10	< 1	0.03	< 10	0.17
B181557	< 0.2	< 0.5	5	100	< 1	28	5	16	0.79	< 2	< 10	31	< 0.5	< 2	0.27	4	47	0.97	< 10	< 1	0.04	< 10	0.26
B181558	< 0.2	< 0.5	2	76	< 1	8	4	10	0.70	< 2	< 10	27	< 0.5	< 2	0.19	2	22	0.83	< 10	< 1	0.04	< 10	0.17
B181559	< 0.2	< 0.5	9	180	< 1	23	6	26	1.69	< 2	< 10	56	< 0.5	< 2	0.35	8	43	2.19	< 10	< 1	0.10	< 10	0.51
B181560	0.6	< 0.5	124	341	< 1	71	5	53	1.95	4	< 10	157	0.7	< 2	1.07	20	49	2.51	< 10	< 1	0.08	89	0.49

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B181561	< 0.2	< 0.5	8	227	< 1	21	2	22	1.01	< 2	< 10	47	< 0.5	< 2	0.51	7	52	1.56	< 10	< 1	0.07	11	0.61
B181562	< 0.2	< 0.5	10	208	< 1	16	2	19	0.84	< 2	< 10	53	< 0.5	< 2	0.55	5	35	1.26	< 10	< 1	0.07	13	0.44
B181563	< 0.2	< 0.5	7	171	< 1	18	< 2	20	0.98	< 2	< 10	54	< 0.5	< 2	0.49	7	40	1.48	< 10	< 1	0.06	13	0.44
B181564	< 0.2	< 0.5	10	112	< 1	12	4	18	0.94	3	< 10	76	< 0.5	< 2	0.19	4	27	1.88	< 10	< 1	0.04	< 10	0.34
B181565	< 0.2	< 0.5	11	122	< 1	17	2	15	1.02	< 2	< 10	43	< 0.5	< 2	0.29	5	24	1.05	< 10	< 1	0.05	16	0.31
B181566	< 0.2	< 0.5	61	384	< 1	84	< 2	55	3.46	< 2	< 10	198	< 0.5	< 2	0.38	20	178	5.51	10	< 1	0.82	< 10	2.81
B181567	< 0.2	< 0.5	23	210	< 1	30	7	34	1.75	< 2	< 10	48	< 0.5	< 2	0.32	10	57	2.01	< 10	< 1	0.07	< 10	0.72
B181568	< 0.2	< 0.5	96	664	< 1	111	< 2	85	4.55	4	< 10	2200	0.6	3	0.55	28	227	5.31	< 10	< 1	0.22	35	2.63
B181569	< 0.2	< 0.5	8	91	1	21	6	17	1.07	< 2	< 10	47	< 0.5	< 2	0.13	5	66	1.71	< 10	< 1	0.04	< 10	0.25
B181570	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	0.01	< 10	< 1	< 0.01	< 10	< 0.01
B181571	< 0.2	< 0.5	19	142	< 1	21	7	27	1.52	5	< 10	58	< 0.5	< 2	0.26	7	41	2.64	< 10	< 1	0.07	< 10	0.38
B181572	< 0.2	< 0.5	13	91	< 1	15	5	18	1.53	2	< 10	31	< 0.5	< 2	0.18	4	29	1.48	< 10	< 1	0.04	< 10	0.25
B181573	< 0.2	< 0.5	17	128	< 1	32	5	29	2.01	2	< 10	53	< 0.5	< 2	0.20	9	41	2.25	< 10	< 1	0.06	< 10	0.33
B181574	< 0.2	< 0.5	7	178	< 1	9	6	39	0.90	< 2	< 10	42	< 0.5	< 2	0.22	5	24	1.20	< 10	< 1	0.05	< 10	0.24
B181575	0.6	< 0.5	21	167	< 1	27	7	58	2.03	< 2	< 10	54	< 0.5	< 2	0.20	10	58	2.38	< 10	< 1	0.07	< 10	0.41
B181576	< 0.2	< 0.5	2	71	< 1	4	5	17	0.56	< 2	< 10	32	< 0.5	< 2	0.18	2	14	0.70	< 10	< 1	0.04	11	0.14
B181577	< 0.2	< 0.5	4	100	< 1	11	4	13	0.54	2	< 10	22	< 0.5	< 2	0.20	3	47	0.99	< 10	< 1	0.04	< 10	0.26
B181578	< 0.2	< 0.5	15	181	< 1	58	6	29	1.66	< 2	< 10	37	< 0.5	< 2	0.30	10	219	2.39	< 10	< 1	0.04	< 10	0.77
B181579	< 0.2	< 0.5	48	259	< 1	106	< 2	43	2.62	20	< 10	32	< 0.5	< 2	0.05	29	269	7.93	10	< 1	0.03	< 10	2.47
B181580	< 0.2	< 0.5	25	265	< 1	41	5	39	1.62	14	< 10	40	< 0.5	< 2	0.20	12	118	2.58	< 10	< 1	0.05	< 10	0.92
B181581	< 0.2	< 0.5	89	228	< 1	67	4	25	1.45	27	< 10	38	< 0.5	< 2	0.36	22	71	2.05	< 10	< 1	0.03	18	0.48
B181582	< 0.2	< 0.5	64	1670	< 1	78	17	69	3.78	17	< 10	140	0.7	< 2	0.56	45	131	5.45	10	< 1	0.07	12	1.23
B181583	< 0.2	< 0.5	16	233	< 1	25	5	27	1.11	6	< 10	35	< 0.5	< 2	0.44	7	48	1.76	< 10	< 1	0.06	16	0.62
B181584	< 0.2	< 0.5	4	153	< 1	7	5	21	0.66	6	< 10	39	< 0.5	< 2	0.18	3	18	1.04	< 10	< 1	0.04	< 10	0.20
B181585	< 0.2	< 0.5	6	217	< 1	12	5	21	0.88	< 2	< 10	40	< 0.5	< 2	0.25	5	25	1.35	< 10	< 1	0.05	< 10	0.29
B181586	< 0.2	< 0.5	11	216	< 1	20	5	57	1.47	< 2	< 10	51	< 0.5	< 2	0.26	8	34	2.06	< 10	< 1	0.06	< 10	0.37
B181587	< 0.2	< 0.5	4	146	< 1	7	4	22	0.78	3	< 10	32	< 0.5	< 2	0.20	5	19	1.17	< 10	< 1	0.04	< 10	0.17
B181588	< 0.2	< 0.5	6	165	< 1	7	13	27	0.71	10	< 10	30	< 0.5	< 2	0.04	1	21	0.86	< 10	< 1	0.02	< 10	0.24
B181589	< 0.2	< 0.5	14	261	< 1	21	9	44	1.53	2	< 10	53	< 0.5	< 2	0.27	11	46	2.72	< 10	< 1	0.10	15	0.51
B181590	< 0.2	< 0.5	1	15	< 1	< 1	< 2	2	0.01	< 2	< 10	< 10	< 0.5	< 2	0.03	< 1	< 1	0.14	< 10	< 1	< 0.01	< 10	0.01
B181591	< 0.2	< 0.5	2	68	< 1	3	6	18	0.53	< 2	< 10	34	< 0.5	< 2	0.17	1	16	0.78	< 10	< 1	0.04	< 10	0.14
B181592	< 0.2	< 0.5	12	153	< 1	13	5	21	0.88	< 2	< 10	57	< 0.5	< 2	0.35	5	24	1.13	< 10	< 1	0.06	11	0.32
B181593	< 0.2	< 0.5	7	115	< 1	16	3	16	1.34	< 2	< 10	41	< 0.5	< 2	0.30	7	28	1.60	< 10	< 1	0.07	11	0.30
B181594	< 0.2	< 0.5	8	129	< 1	16	< 2	20	1.21	< 2	< 10	61	< 0.5	< 2	0.37	7	27	1.48	< 10	< 1	0.06	< 10	0.33
B181595	< 0.2	< 0.5	19	129	< 1	19	4	17	1.61	< 2	< 10	33	< 0.5	< 2	0.27	7	33	1.74	< 10	< 1	0.05	11	0.30
B181596	< 0.2	< 0.5	11	106	< 1	23	5	17	1.02	< 2	< 10	32	< 0.5	< 2	0.23	6	22	1.24	< 10	< 1	0.04	< 10	0.29
B181597	< 0.2	< 0.5	10	87	1	4	7	23	0.99	< 2	< 10	45	< 0.5	< 2	0.16	2	16	1.13	< 10	< 1	0.04	< 10	0.15
B181598	< 0.2	< 0.5	4	146	< 1	6	4	15	0.72	< 2	< 10	32	< 0.5	< 2	0.17	3	18	1.16	< 10	< 1	0.04	< 10	0.15
B181599	< 0.2	< 0.5	8	158	< 1	13	3	21	1.40	< 2	< 10	44	< 0.5	< 2	0.24	6	25	1.62	< 10	< 1	0.06	< 10	0.25
B181600	< 0.2	< 0.5	8	200	< 1	14	3	17	0.96	< 2	< 10	45	< 0.5	< 2	0.27	5	26	1.44	< 10	< 1	0.05	< 10	0.28
B181601	< 0.2	< 0.5	3	87	< 1	6	3	12	0.53	< 2	< 10	20	< 0.5	< 2	0.21	3	16	0.63	< 10	< 1	0.03	< 10	0.20
B181602	< 0.2	< 0.5	7	87	< 1	14	4	12	0.89	6	< 10	32	< 0.5	< 2	0.21	4	23	1.57	< 10	< 1	0.05	< 10	0.18
B181603	< 0.2	< 0.5	6	87	1	8	7	16	0.73	2	< 10	26	< 0.5	< 2	0.16	3	24	1.40	< 10	< 1	0.05	< 10	0.21
B181604	< 0.2	< 0.5	13	152	< 1	21	10	36	1.84	< 2	< 10	58	< 0.5	< 2	0.17	7	38	2.30	< 10	< 1	0.08	< 10	0.36
B181605	< 0.2	< 0.5	15	91	1	4	10	16	0.69	15	< 10	51	< 0.5	< 2	0.10	1	12	1.82	< 10	< 1	0.03	< 10	0.09
B181606	< 0.2	< 0.5	2	62	< 1	5	5	9	0.49	< 2	< 10	25	< 0.5	< 2	0.16	2	17	0.61	< 10	< 1	0.03	< 10	0.15
B181608	< 0.2	< 0.5	158	222	< 1	62	3	29	1.09	5	< 10	53	< 0.5	< 2	0.48	9	60	1.65	< 10	< 1	0.07	18	0.52
B181609	< 0.2	< 0.5	12	245	< 1	16	10	23	1.13	< 2	< 10	34	< 0.5	< 2	0.44	5	39	1.85	< 10	< 1	0.06	< 10	0.55
B181610	< 0.2	< 0.5	1	15	< 1	< 1	< 2	5	0.01	< 2	< 10	< 10	< 0.5	< 2	0.03	< 1	< 1	0.15	< 10	< 1	< 0.01	< 10	0.01
B181611	< 0.2	< 0.5	4	73	< 1	4	5	12	0.48	< 2	< 10	23	< 0.5	< 2	0.12	2	16	0.96	< 10	< 1	0.04	< 10	0.11
B181612	< 0.2	< 0.5	2	56	< 1	2	5	13	0.32	< 2	< 10	22	< 0.5	< 2	0.16	< 1	16	0.59	< 10	< 1	0.03	< 10	0.08

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B181613	< 0.2	< 0.5	1	123	< 1	1	5	19	0.42	< 2	< 10	32	< 0.5	< 2	0.17	< 1	8	0.44	< 10	< 1	0.03	< 10	0.06
B181614	0.3	< 0.5	21	693	< 1	27	10	70	1.72	12	< 10	66	< 0.5	< 2	0.36	12	29	1.77	< 10	< 1	0.07	20	0.36
B181615	< 0.2	< 0.5	5	158	< 1	19	7	52	0.89	12	< 10	34	< 0.5	< 2	0.27	3	71	1.16	< 10	< 1	0.04	< 10	0.29
B181616	< 0.2	< 0.5	3	51	< 1	< 1	3	18	0.41	< 2	< 10	26	< 0.5	< 2	0.11	< 1	6	0.42	< 10	< 1	0.02	11	0.05
B181617	< 0.2	< 0.5	10	92	< 1	5	9	38	0.74	46	< 10	32	< 0.5	< 2	0.15	2	17	1.57	< 10	< 1	0.05	< 10	0.10
B181618	< 0.2	< 0.5	15	139	< 1	19	4	24	1.03	< 2	< 10	31	< 0.5	< 2	0.29	7	33	1.52	< 10	< 1	0.05	< 10	0.44

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	5
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-AA
B181251	0.092	0.047	0.15	2	2	124	0.02	< 20	2	< 2	< 10	15	< 10	3	4	< 5
B181252	0.067	0.075	0.60	3	7	51	0.12	< 20	2	< 2	< 10	59	< 10	6	20	10
B181253	0.031	0.148	0.01	3	7	367	0.04	< 20	< 1	< 2	< 10	73	< 10	7	3	10
B181254	0.032	0.066	0.01	< 2	2	25	0.05	< 20	3	< 2	< 10	22	< 10	6	4	< 5
B181255	0.020	0.026	0.02	3	< 1	394	0.02	< 20	3	< 2	< 10	6	< 10	6	5	5
B181256	0.089	0.022	0.02	2	2	102	< 0.01	< 20	< 1	< 2	< 10	3	< 10	1	3	< 5
B181257	0.031	0.076	< 0.01	2	4	50	0.12	< 20	6	< 2	< 10	46	< 10	5	7	< 5
B181258	0.044	0.048	< 0.01	< 2	2	56	0.03	< 20	5	< 2	< 10	14	< 10	3	3	5
B181259	0.028	0.030	< 0.01	2	2	87	0.06	< 20	< 1	< 2	< 10	20	< 10	2	7	< 5
B181260	0.025	0.014	< 0.01	< 2	1	77	0.01	< 20	< 1	< 2	< 10	14	< 10	< 1	1	6
B181261	0.027	0.016	< 0.01	< 2	2	80	0.05	< 20	< 1	< 2	< 10	22	< 10	1	1	< 5
B181262	0.029	0.159	0.02	3	4	451	< 0.01	< 20	4	< 2	< 10	44	< 10	9	2	6
B181263	0.024	0.204	< 0.01	2	4	705	0.01	< 20	< 1	< 2	< 10	41	< 10	9	2	< 5
B181264	0.024	0.178	< 0.01	3	4	389	< 0.01	< 20	1	2	< 10	41	< 10	8	2	< 5
B181265	0.026	0.097	< 0.01	< 2	10	311	0.19	< 20	7	< 2	< 10	83	< 10	7	11	< 5
B181266	0.024	0.004	0.02	< 2	< 1	12	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	1	< 5
B181267	0.037	0.043	0.05	< 2	1	63	0.02	< 20	2	< 2	< 10	15	< 10	3	5	< 5
B181268	0.042	0.062	0.07	2	1	79	0.03	< 20	< 1	< 2	< 10	7	< 10	4	3	< 5
B181269	0.031	0.038	0.05	4	11	211	0.07	< 20	1	< 2	< 10	84	< 10	6	8	10
B181270	0.016	0.001	0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	2	< 5
B181271	0.021	0.005	1.51	4	3	68	0.03	< 20	2	< 2	< 10	26	< 10	6	78	596
B181272	0.037	0.041	0.09	4	6	70	0.13	< 20	3	< 2	< 10	49	< 10	7	7	9
B181273	0.057	0.056	< 0.01	2	3	65	0.17	< 20	1	< 2	< 10	27	< 10	10	4	< 5
B181274	0.016	0.028	0.07	2	< 1	5	< 0.01	< 20	< 1	< 2	< 10	3	< 10	3	1	86
B181275	0.015	0.028	< 0.01	< 2	< 1	6	< 0.01	< 20	< 1	< 2	< 10	2	< 10	6	< 1	< 5
B181276	0.015	0.001	0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	< 5
B181277	0.016	0.021	0.17	2	3	3	< 0.01	< 20	< 1	< 2	< 10	4	< 10	2	1	< 5
B181278	0.017	0.036	0.10	< 2	2	5	< 0.01	< 20	< 1	< 2	< 10	5	< 10	2	2	54
B181279	0.020	0.021	0.04	< 2	< 1	38	< 0.01	< 20	2	< 2	< 10	2	< 10	1	3	14
B181280	0.021	0.005	0.65	7	< 1	8	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	5	174
B181281	0.036	0.056	0.10	< 2	< 1	42	0.01	< 20	< 1	< 2	< 10	6	< 10	3	2	15
B181282	0.018	0.014	0.13	2	< 1	18	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	2	143
B181283	0.043	0.040	0.32	3	< 1	59	< 0.01	< 20	< 1	< 2	< 10	2	< 10	3	4	66
B181284	0.041	0.045	0.20	3	< 1	66	< 0.01	< 20	2	< 2	< 10	2	< 10	3	5	42
B181285	0.021	0.015	0.03	< 2	< 1	13	< 0.01	< 20	< 1	< 2	< 10	2	< 10	1	3	41
B181286	0.027	0.054	0.44	4	3	44	< 0.01	< 20	2	< 2	< 10	10	< 10	2	6	383
B181287	0.061	0.058	0.32	< 2	2	33	0.16	< 20	2	< 2	< 10	16	< 10	9	9	59
B181288	0.062	0.012	0.08	< 2	< 1	33	< 0.01	< 20	1	< 2	< 10	3	< 10	3	13	< 5
B181289	0.077	0.020	10.4	9	5	7	< 0.01	< 20	2	< 2	< 10	50	< 10	11	47	123
B181290	0.085	0.015	5.30	4	5	8	< 0.01	< 20	3	< 2	< 10	48	< 10	12	48	51
B181291	0.058	0.013	1.14	< 2	< 1	8	< 0.01	< 20	< 1	< 2	< 10	6	< 10	10	37	15
B181292	0.043	0.018	1.85	3	8	5	< 0.01	< 20	1	< 2	< 10	105	< 10	10	32	43
B181293	0.061	0.053	0.85	4	18	7	< 0.01	< 20	4	< 2	< 10	113	< 10	23	8	< 5
B181294	0.057	0.011	2.27	< 2	2	6	< 0.01	< 20	< 1	< 2	< 10	18	< 10	14	51	334
B181295	0.043	0.025	3.72	3	4	4	< 0.01	< 20	< 1	< 2	< 10	42	< 10	14	44	140
B181296	0.052	0.021	8.37	4	3	4	< 0.01	< 20	2	< 2	< 10	37	< 10	14	48	165
B181297	0.048	0.022	8.00	4	2	4	< 0.01	< 20	< 1	< 2	< 10	20	< 10	8	53	43
B181298	0.045	0.010	0.09	< 2	4	3	< 0.01	< 20	< 1	< 2	< 10	23	< 10	2	10	6
B181299	0.019	0.002	0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	2	12
B181300	0.031	0.015	0.06	< 2	3	6	< 0.01	< 20	< 1	< 2	< 10	17	< 10	2	11	5
B181301	0.019	0.005	0.02	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	6	28	< 5

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	5
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-AA
B181302	0.021	0.006	0.04	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	6	29	< 5
B181303	0.014	0.031	0.27	5	6	19	0.27	< 20	3	< 2	< 10	149	< 10	6	3	18
B181304	0.018	0.031	0.43	6	7	22	0.31	< 20	5	< 2	< 10	104	< 10	5	4	14
B181305	0.024	0.041	0.19	4	17	11	0.22	< 20	4	< 2	< 10	163	< 10	11	9	18
B181306	0.045	0.030	1.68	4	32	5	0.14	< 20	4	< 2	< 10	226	< 10	13	22	32
B181307	0.044	0.045	0.21	< 2	2	3	< 0.01	< 20	1	< 2	< 10	10	< 10	11	3	< 5
B181308	0.029	0.044	0.10	4	13	3	< 0.01	< 20	2	< 2	< 10	117	< 10	7	9	18
B181309	0.049	0.012	0.12	< 2	< 1	4	< 0.01	< 20	< 1	< 2	< 10	6	< 10	3	16	< 5
B181310	0.016	0.001	0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	2	< 5
B181311	0.016	0.113	0.36	6	4	315	0.16	< 20	3	< 2	< 10	53	< 10	4	8	< 5
B181312	0.019	0.124	0.13	4	5	627	0.17	< 20	3	< 2	< 10	58	< 10	8	10	< 5
B181313	0.019	0.109	1.05	4	3	290	0.13	< 20	6	< 2	< 10	39	< 10	7	8	< 5
B181314	0.014	0.110	1.87	6	5	371	0.10	< 20	2	< 2	< 10	53	< 10	9	16	< 5
B181315	0.013	0.061	4.20	5	4	219	0.12	< 20	< 1	< 2	< 10	61	< 10	4	17	5
B181316	0.037	0.047	0.01	3	2	53	0.02	< 20	< 1	< 2	< 10	22	< 10	4	2	< 5
B181317	0.147	0.033	0.07	< 2	9	13	0.22	< 20	3	< 2	< 10	85	< 10	6	9	14
B181318	0.115	0.026	0.06	2	10	15	0.28	< 20	< 1	< 2	< 10	106	< 10	6	2	< 5
B181319	0.025	0.101	0.03	2	1	147	< 0.01	< 20	< 1	< 2	< 10	14	< 10	4	2	22
B181320	0.029	0.026	0.25	6	4	96	0.03	< 20	< 1	< 2	< 10	49	< 10	4	7	< 5
B181321	0.030	0.035	0.12	3	15	45	0.12	< 20	3	< 2	< 10	112	< 10	9	33	102
B181322	0.049	0.034	0.07	3	3	55	0.26	< 20	< 1	< 2	< 10	39	< 10	12	29	47
B181323	0.050	0.027	0.14	3	6	47	0.28	< 20	4	< 2	< 10	60	< 10	12	39	6
B181324	0.015	0.048	0.22	9	< 1	2	< 0.01	< 20	1	< 2	< 10	5	< 10	3	7	< 5
B181325	0.106	0.059	0.04	< 2	2	18	0.22	< 20	2	< 2	< 10	39	< 10	5	9	< 5
B181326	0.016	0.026	0.31	4	15	30	0.09	< 20	< 1	< 2	< 10	105	< 10	6	32	344
B181327	0.018	0.002	0.22	< 2	< 1	4	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	1	112
B181328	0.053	0.050	0.78	4	4	24	0.09	< 20	1	< 2	< 10	52	< 10	7	10	193
B181329	0.034	0.043	0.31	3	6	27	0.28	< 20	6	< 2	< 10	75	< 10	15	30	8
B181330	0.034	0.044	0.24	3	5	23	0.28	< 20	4	< 2	< 10	72	< 10	15	27	6
B181331	0.024	0.038	0.01	3	10	19	0.11	< 20	4	< 2	< 10	99	< 10	15	22	8
B181332	0.022	0.003	< 0.01	< 2	2	9	0.05	< 20	< 1	< 2	< 10	16	< 10	1	2	< 5
B181333	0.035	0.009	0.18	< 2	< 1	5	0.02	< 20	< 1	< 2	< 10	2	< 10	13	33	< 5
B181334	0.017	0.011	< 0.01	2	10	25	0.15	< 20	6	< 2	< 10	65	< 10	2	11	< 5
B181501	0.035	0.066	0.10	< 2	2	27	0.08	< 20	4	< 2	< 10	21	< 10	6	3	< 5
B181502	0.032	0.078	0.09	< 2	2	24	0.07	< 20	< 1	< 2	< 10	27	< 10	7	2	5
B181503	0.023	0.158	0.19	< 2	1	23	0.03	< 20	5	< 2	< 10	30	< 10	8	< 1	< 5
B181504	0.020	0.069	0.13	< 2	1	42	0.05	< 20	3	< 2	< 10	12	< 10	4	< 1	< 5
B181505	0.025	0.102	0.62	< 2	2	40	0.05	< 20	< 1	< 2	< 10	27	< 10	8	3	8
B181506	0.017	0.140	0.18	< 2	< 1	23	0.01	< 20	3	< 2	< 10	22	< 10	7	1	8
B181507	0.023	0.238	0.18	< 2	2	26	0.02	< 20	< 1	< 2	< 10	39	< 10	10	3	23
B181508	0.028	0.128	0.20	2	2	30	0.05	< 20	1	< 2	< 10	36	< 10	11	2	5
B181551	0.019	0.053	0.04	2	12	11	0.26	< 20	< 1	< 2	< 10	268	< 10	7	4	14
B181552	0.027	0.011	< 0.01	< 2	5	12	0.10	< 20	< 1	< 2	< 10	44	< 10	3	3	< 5
B181553	0.036	0.008	< 0.01	< 2	3	18	0.18	< 20	4	< 2	< 10	46	< 10	5	5	< 5
B181554	0.018	0.009	< 0.01	< 2	2	12	0.12	< 20	< 1	< 2	< 10	46	< 10	2	3	< 5
B181555	0.021	0.009	< 0.01	< 2	2	14	0.11	< 20	< 1	< 2	< 10	39	< 10	2	4	< 5
B181556	0.021	0.012	< 0.01	< 2	1	13	0.11	< 20	< 1	< 2	< 10	40	< 10	2	4	7
B181557	0.023	0.008	< 0.01	< 2	2	16	0.10	< 20	1	< 2	< 10	27	< 10	3	3	54
B181558	0.021	0.009	< 0.01	< 2	2	14	0.10	< 20	< 1	< 2	< 10	25	< 10	2	4	< 5
B181559	0.031	0.029	0.01	< 2	3	19	0.13	< 20	< 1	< 2	< 10	38	< 10	4	6	< 5
B181560	0.028	0.101	0.09	< 2	4	21	0.05	< 20	2	< 2	< 10	30	< 10	30	3	15

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	5
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-AA
B181561	0.044	0.031	< 0.01	< 2	3	21	0.14	< 20	4	< 2	< 10	34	< 10	5	5	5
B181562	0.048	0.055	< 0.01	< 2	3	21	0.11	< 20	< 1	< 2	< 10	27	< 10	6	5	< 5
B181563	0.044	0.018	< 0.01	< 2	3	19	0.12	< 20	1	< 2	< 10	31	< 10	5	4	7
B181564	0.024	0.021	< 0.01	< 2	2	12	0.16	< 20	< 1	< 2	< 10	67	< 10	2	3	< 5
B181565	0.031	0.023	< 0.01	< 2	2	16	0.11	< 20	1	< 2	< 10	26	< 10	4	4	< 5
B181566	0.047	0.009	< 0.01	2	5	6	0.31	< 20	3	< 2	< 10	139	< 10	3	3	< 5
B181567	0.028	0.016	0.01	< 2	3	17	0.17	< 20	2	< 2	< 10	47	< 10	3	6	< 5
B181568	0.048	0.015	0.01	3	4	20	0.29	< 20	2	< 2	< 10	126	< 10	6	5	< 5
B181569	0.019	0.015	< 0.01	< 2	3	10	0.14	< 20	1	< 2	< 10	64	< 10	2	5	< 5
B181570	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	< 5
B181571	0.024	0.029	0.02	< 2	2	16	0.15	< 20	2	< 2	< 10	55	< 10	3	4	6
B181572	0.025	0.035	0.02	< 2	2	11	0.08	< 20	1	< 2	< 10	27	< 10	3	2	< 5
B181573	0.027	0.033	0.02	< 2	3	13	0.12	< 20	1	< 2	< 10	38	< 10	3	5	< 5
B181574	0.025	0.018	< 0.01	< 2	2	17	0.13	< 20	2	< 2	< 10	34	< 10	3	2	< 5
B181575	0.022	0.031	0.02	< 2	2	11	0.11	< 20	< 1	< 2	< 10	47	< 10	3	3	< 5
B181576	0.020	0.010	< 0.01	< 2	1	15	0.11	< 20	< 1	< 2	< 10	24	< 10	3	3	< 5
B181577	0.021	0.009	< 0.01	< 2	2	14	0.12	< 20	< 1	< 2	< 10	36	< 10	2	3	< 5
B181578	0.025	0.016	< 0.01	3	4	13	0.15	< 20	2	< 2	< 10	63	< 10	3	3	< 5
B181579	0.018	0.024	< 0.01	3	24	3	0.23	< 20	< 1	< 2	< 10	227	< 10	< 1	3	< 5
B181580	0.022	0.017	< 0.01	< 2	6	12	0.11	< 20	< 1	< 2	< 10	65	< 10	3	4	< 5
B181581	0.032	0.020	< 0.01	< 2	4	16	0.11	< 20	2	< 2	< 10	32	< 10	6	4	6
B181582	0.022	0.034	0.02	3	10	14	0.15	< 20	1	< 2	< 10	114	< 10	6	3	< 5
B181583	0.030	0.042	< 0.01	< 2	3	19	0.12	< 20	3	< 2	< 10	35	< 10	6	4	< 5
B181584	0.020	0.037	< 0.01	< 2	2	11	0.09	< 20	1	< 2	< 10	25	< 10	3	3	< 5
B181585	0.025	0.018	< 0.01	< 2	2	18	0.10	< 20	2	< 2	< 10	29	< 10	3	3	< 5
B181586	0.025	0.116	< 0.01	< 2	2	15	0.11	< 20	3	< 2	< 10	36	< 10	3	3	< 5
B181587	0.020	0.037	0.01	< 2	2	14	0.11	< 20	4	< 2	< 10	29	< 10	2	2	16
B181588	0.013	0.015	0.01	< 2	2	5	0.05	< 20	4	< 2	< 10	29	< 10	2	< 1	< 5
B181589	0.026	0.079	0.01	< 2	3	16	0.15	< 20	3	< 2	< 10	50	< 10	3	4	< 5
B181590	0.016	0.001	0.02	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	< 5
B181591	0.019	0.036	< 0.01	< 2	1	22	0.10	< 20	< 1	< 2	< 10	24	< 10	2	2	< 5
B181592	0.028	0.017	0.01	< 2	2	17	0.11	< 20	3	< 2	< 10	27	< 10	3	3	< 5
B181593	0.030	0.035	0.01	< 2	2	15	0.10	< 20	< 1	< 2	< 10	28	< 10	4	5	< 5
B181594	0.034	0.027	< 0.01	< 2	2	18	0.11	< 20	2	< 2	< 10	29	< 10	4	4	< 5
B181595	0.029	0.043	0.02	< 2	2	13	0.10	< 20	< 1	< 2	< 10	30	< 10	4	5	< 5
B181596	0.025	0.018	0.02	< 2	2	13	0.11	< 20	< 1	< 2	< 10	28	< 10	3	3	< 5
B181597	0.019	0.031	0.01	< 2	2	12	0.09	< 20	3	< 2	< 10	30	< 10	2	2	< 5
B181598	0.021	0.080	< 0.01	< 2	2	12	0.08	< 20	< 1	< 2	< 10	24	< 10	2	2	< 5
B181599	0.024	0.054	< 0.01	< 2	2	15	0.10	< 20	3	< 2	< 10	32	< 10	3	3	5
B181600	0.028	0.081	< 0.01	< 2	2	15	0.09	< 20	3	< 2	< 10	28	< 10	3	2	< 5
B181601	0.023	0.006	< 0.01	< 2	1	14	0.09	< 20	< 1	< 2	< 10	17	< 10	2	3	< 5
B181602	0.024	0.026	< 0.01	< 2	2	13	0.11	< 20	2	< 2	< 10	36	< 10	3	4	< 5
B181603	0.020	0.021	< 0.01	< 2	1	11	0.11	< 20	< 1	< 2	< 10	43	< 10	2	2	< 5
B181604	0.024	0.080	0.01	< 2	2	13	0.12	< 20	3	< 2	< 10	48	< 10	3	5	10
B181605	0.017	0.023	0.01	< 2	1	8	0.06	< 20	< 1	< 2	< 10	42	< 10	2	< 1	77
B181606	0.019	0.008	< 0.01	< 2	1	12	0.10	< 20	< 1	< 2	< 10	20	< 10	2	2	< 5
B181608	0.033	0.039	< 0.01	< 2	4	15	0.10	< 20	< 1	< 2	< 10	38	< 10	8	2	19
B181609	0.017	0.013	< 0.01	< 2	3	9	0.24	< 20	7	< 2	< 10	63	< 10	3	2	9
B181610	0.017	0.001	0.02	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	< 5
B181611	0.019	0.019	< 0.01	< 2	1	11	0.11	< 20	< 1	< 2	< 10	38	< 10	2	3	10
B181612	0.021	0.011	< 0.01	< 2	1	13	0.09	< 20	< 1	< 2	< 10	20	< 10	2	3	7

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	5
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-AA
B181613	0.017	0.007	< 0.01	< 2	1	15	0.09	< 20	< 1	< 2	< 10	16	< 10	2	< 1	8
B181614	0.024	0.020	0.01	< 2	3	21	0.11	< 20	2	< 2	< 10	37	< 10	5	2	6
B181615	0.023	0.027	0.01	< 2	3	13	0.15	< 20	4	< 2	< 10	35	< 10	3	2	6
B181616	0.017	0.007	< 0.01	< 2	< 1	12	0.07	< 20	< 1	< 2	< 10	17	< 10	2	1	< 5
B181617	0.016	0.066	0.02	< 2	1	12	0.07	< 20	2	< 2	< 10	32	< 10	2	2	< 5
B181618	0.030	0.008	< 0.01	< 2	2	16	0.20	< 20	2	< 2	< 10	42	< 10	3	4	< 5

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 904 (Aqua Regia) Meas	0.2	< 0.5	6110	438	2	32	10	23	1.67	90		77	6.5	< 2	0.04	85	21	6.41	< 10		0.83	37	0.20
OREAS 904 (Aqua Regia) Cert	0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9	0.143
OREAS 922 (AQUA REGIA) Meas	0.6	< 0.5	2240	774	< 1	32	64	265	2.60	3		77	0.7	6	0.39	17	40	5.14	< 10		0.44	34	1.36
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2300	806	< 1	33	62	258	2.70	6		82	0.7	5	0.40	18	42	5.41	< 10		0.47	36	1.43
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.5	< 0.5	4360	870	< 1	29	76	330	2.56	7		59	0.6	11	0.38	21	36	5.85	< 10		0.37	31	1.44
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.3	< 0.5	4390	908	< 1	31	81	333	2.68	7		64	0.6	15	0.40	20	37	6.09	< 10		0.39	32	1.51
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 520 (Aqua Regia) Meas			2750	2010	50	67	8	16	1.38	141			0.5	< 2	3.29	161	30	15.8	10		0.46	64	1.13
OREAS 520 (Aqua Regia) Cert			2960	2280	62.0	73.0	5.22	20.7	1.56	152			0.540	2.90	3.84	196	37.4	15.74	13.7		0.506	83.0	1.14
OREAS 907 (Aqua Regia) Meas	1.1	< 0.5	5980	323	5	5	32	136	1.06	31		226	0.9	22	0.26	39	8	7.83	20		0.33	34	0.22
OREAS 907 (Aqua Regia) Cert	1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1	0.221
OREAS 218 Meas																							
OREAS 218 Cert																							
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OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
Oreas 621 (Aqua Regia) Meas	63.3	264	3360	510	10	21	> 5000	> 10000	1.54	74			< 0.5	< 2	1.51	26	27	3.30	< 10	4	0.33	17	0.42
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	61.4	261	3420	525	10	21	> 5000	> 10000	1.58	72			< 0.5	2	1.56	26	26	3.38	< 10	3	0.33	17	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 255 (Fire Assay) Meas																							

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 255 (Fire Assay) Cert																							
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OREAS 45f (Aqua Regia) Meas			347	169	< 1	213	9	26	6.56			143	1.0	< 2	0.07	36	312	13.9	20	4	0.10	10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			347	170	< 1	216	9	25	6.62			147	0.9	< 2	0.07	36	304	14.2	20	< 1	0.10	10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 263 (Aqua Regia) Meas	< 0.2	< 0.5	86	481	< 1	62	35	150	1.65	28		174	1.2	< 2	0.96	28	48	3.53	< 10	< 1	0.35		0.59
OREAS 263 (Aqua Regia) Cert	0.285	0.270	87.0	490	0.570	72.0	34.0	127	1.29	30.8		175	1.22	0.570	1.03	31.0	48.0	3.68	4.92	0.170	0.288		0.593
B181256 Orig																							
B181256 Dup																							
B181260 Orig	< 0.2	< 0.5	19	460	2	8	17	17	0.72	< 2	< 10	141	< 0.5	< 2	3.17	4	22	1.62	< 10	< 1	0.15	< 10	0.40
B181260 Dup	< 0.2	< 0.5	18	455	2	8	18	17	0.71	3	< 10	140	< 0.5	< 2	3.14	4	21	1.59	< 10	< 1	0.15	< 10	0.39
B181266 Orig																							
B181266 Dup																							
B181275 Orig	< 0.2	< 0.5	< 1	936	< 1	3	< 2	13	0.08	4	< 10	37	0.8	< 2	1.03	< 1	12	1.55	< 10	< 1	0.05	< 10	0.15
B181275 Dup	< 0.2	< 0.5	< 1	935	< 1	3	< 2	13	0.08	4	< 10	36	0.8	< 2	1.03	< 1	12	1.55	< 10	< 1	0.05	< 10	0.15
B181277 Orig																							
B181277 Dup																							
B181287 Orig	< 0.2	< 0.5	42	304	< 1	8	10	33	0.90	51	< 10	75	< 0.5	< 2	0.73	5	13	2.15	< 10	< 1	0.45	22	0.54
B181287 Dup	< 0.2	< 0.5	41	301	< 1	8	9	34	0.90	50	< 10	74	< 0.5	< 2	0.73	6	13	2.16	< 10	< 1	0.45	22	0.54
B181292 Orig																							
B181292 Dup																							
B181300 Orig	< 0.2	< 0.5	12	225	< 1	8	6	13	0.72	87	20	79	< 0.5	< 2	< 0.01	< 1	104	1.16	< 10	< 1	0.09	16	0.08
B181300 Split PREP DUP	< 0.2	< 0.5	11	212	1	6	7	12	0.67	85	19	75	< 0.5	< 2	< 0.01	< 1	99	1.11	< 10	< 1	0.09	15	0.07
B181301 Orig																							
B181301 Dup																							
B181305 Orig	< 0.2	0.8	177	2130	< 1	80	7	116	4.16	11	< 10	22	< 0.5	< 2	2.35	42	34	8.77	10	< 1	0.06	< 10	2.43
B181305 Dup	0.2	< 0.5	176	2080	< 1	79	7	114	4.04	7	< 10	20	< 0.5	< 2	2.30	43	33	8.50	10	3	0.06	< 10	2.36
B181312 Orig																							
B181312 Dup																							
B181315 Orig	< 0.2	< 0.5	33	766	< 1	29	4	56	3.01	38	< 10	13	< 0.5	< 2	0.64	5	67	19.6	< 10	3	0.62	12	2.08

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B181315 Dup	< 0.2	< 0.5	33	781	< 1	31	5	58	3.06	34	< 10	13	< 0.5	< 2	0.66	7	69	19.9	< 10	1	0.63	12	2.11
B181327 Orig																							
B181327 Dup																							
B181330 Orig	0.2	< 0.5	126	1070	< 1	49	6	59	2.20	39	< 10	139	< 0.5	< 2	2.61	28	5	6.09	< 10	< 1	0.97	20	1.25
B181330 Dup	0.2	< 0.5	125	1060	< 1	49	7	59	2.18	39	< 10	139	< 0.5	< 2	2.59	28	5	6.01	< 10	< 1	0.96	20	1.24
B181503 Orig																							
B181503 Dup																							
B181556 Orig																							
B181556 Dup																							
B181561 Orig	< 0.2	< 0.5	8	230	< 1	22	2	22	1.03	< 2	< 10	47	< 0.5	< 2	0.52	7	53	1.59	< 10	< 1	0.07	11	0.62
B181561 Dup	< 0.2	< 0.5	7	223	< 1	21	2	22	0.99	< 2	< 10	46	< 0.5	< 2	0.51	7	51	1.54	< 10	< 1	0.07	11	0.60
B181571 Orig																							
B181571 Dup																							
B181575 Orig	0.7	< 0.5	22	166	< 1	27	7	65	2.03	< 2	< 10	54	< 0.5	< 2	0.20	10	59	2.38	< 10	< 1	0.07	< 10	0.41
B181575 Dup	0.6	< 0.5	21	167	< 1	27	6	51	2.03	< 2	< 10	55	< 0.5	< 2	0.19	10	58	2.38	< 10	< 1	0.07	< 10	0.41
B181581 Orig																							
B181581 Dup																							
B181585 Orig	< 0.2	< 0.5	6	215	< 1	12	5	21	0.88	< 2	< 10	41	< 0.5	< 2	0.25	5	25	1.35	< 10	< 1	0.05	10	0.29
B181585 Dup	< 0.2	< 0.5	6	218	< 1	11	5	22	0.89	< 2	< 10	40	< 0.5	< 2	0.25	5	26	1.34	< 10	< 1	0.05	< 10	0.29
B181592 Orig																							
B181592 Dup																							
B181600 Orig	< 0.2	< 0.5	8	199	< 1	14	3	17	0.95	< 2	< 10	45	< 0.5	< 2	0.27	5	26	1.43	< 10	< 1	0.05	< 10	0.28
B181600 Dup	< 0.2	< 0.5	9	200	< 1	14	2	17	0.98	2	< 10	46	< 0.5	< 2	0.27	5	26	1.45	< 10	< 1	0.05	12	0.28
B181608 Orig																							
B181608 Dup																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	5
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-AA
OREAS 904 (Aqua Regia) Meas		0.100	0.04	3	4	18		< 20		< 2	< 10	29		18		
OREAS 904 (Aqua Regia) Cert		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2		
OREAS 922 (AQUA REGIA) Meas	0.029	0.064	0.37	2	4	16		< 20		< 2	< 10	33	< 10	19	17	
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	0.030	0.066	0.39	3	4	16		< 20		< 2	< 10	34	< 10	20	19	
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 923 (AQUA REGIA) Meas		0.061	0.67	3	3	14		< 20		< 2	< 10	32	< 10	17	25	
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas		0.062	0.69	3	4	14		< 20		< 2	< 10	33	< 10	18	25	
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 520 (Aqua Regia) Meas	0.063	0.071	0.89	8	10	26	0.12	< 20	< 1	< 2	10	217	25	12	31	
OREAS 520 (Aqua Regia) Cert	0.0520	0.0740	1.03	1.97	11.8	36.0	0.135	8.03	0.33	0.0900	14.9	247	29.6	14.3	28.0	
OREAS 907 (Aqua Regia) Meas	0.095	0.022	0.06	4	2	12	0.02	< 20	3	< 2	< 10	5	< 10	7	15	
OREAS 907 (Aqua Regia) Cert	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7	
OREAS 218 Meas																523
OREAS 218 Cert																531
OREAS 218 Meas																531
OREAS 218 Cert																531
OREAS 218 Meas																514
OREAS 218 Cert																531
OREAS 218 Meas																520
OREAS 218 Cert																531
OREAS 218 Meas																517
OREAS 218 Cert																531
Oreas 621 (Aqua Regia) Meas	0.177	0.033	4.24	101	2	16		< 20		< 2	< 10	11	< 10	7	60	
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0	
Oreas 621 (Aqua Regia) Meas	0.182	0.034	4.18	98	2	17		< 20		< 2	< 10	12	< 10	7	60	
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0	
OREAS 255 (Fire Assay) Meas																4070

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	5
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-AA
OREAS 255 (Fire Assay) Cert																4080
OREAS 255 (Fire Assay) Meas																3920
OREAS 255 (Fire Assay) Cert																4080
OREAS 255 (Fire Assay) Meas																3980
OREAS 255 (Fire Assay) Cert																4080
OREAS 255 (Fire Assay) Meas																3960
OREAS 255 (Fire Assay) Cert																4080
OREAS 255 (Fire Assay) Meas																3930
OREAS 255 (Fire Assay) Cert																4080
OREAS 45f (Aqua Regia) Meas	0.044	0.021	0.02		27	14	0.10	< 20		< 2	< 10	188		5	13	
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0	
OREAS 45f (Aqua Regia) Meas	0.044	0.021	0.02		26	14	0.11	< 20		< 2	< 10	192		5	18	
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0	
OREAS 263 (Aqua Regia) Meas	0.087	0.041	0.11	10	3	17		< 20	< 1	< 2	< 10	25		11		
OREAS 263 (Aqua Regia) Cert	0.0790	0.0410	0.126	7.37	3.52	16.9		10.6	0.210	0.530	1.28	22.8		12.0		
B181256 Orig																< 5
B181256 Dup																< 5
B181260 Orig	0.025	0.014	< 0.01	< 2	1	78	0.01	< 20	< 1	< 2	< 10	14	< 10	< 1	1	
B181260 Dup	0.024	0.014	< 0.01	2	1	76	0.01	< 20	< 1	< 2	< 10	14	< 10	< 1	1	
B181266 Orig																< 5
B181266 Dup																< 5
B181275 Orig	0.015	0.029	< 0.01	< 2	< 1	6	< 0.01	< 20	< 1	< 2	< 10	2	< 10	6	< 1	
B181275 Dup	0.015	0.028	< 0.01	< 2	< 1	6	< 0.01	< 20	< 1	< 2	< 10	2	< 10	6	< 1	
B181277 Orig																7
B181277 Dup																< 5
B181287 Orig	0.061	0.057	0.32	< 2	2	33	0.17	< 20	2	< 2	< 10	16	< 10	9	9	
B181287 Dup	0.061	0.058	0.32	< 2	2	33	0.16	< 20	2	< 2	< 10	16	< 10	9	9	
B181292 Orig																44
B181292 Dup																42
B181300 Orig	0.031	0.015	0.06	< 2	3	6	< 0.01	< 20	< 1	< 2	< 10	17	< 10	2	11	5
B181300 Split PREP DUP	0.030	0.014	0.06	< 2	3	6	< 0.01	< 20	< 1	< 2	< 10	16	< 10	2	10	6
B181301 Orig																< 5
B181301 Dup																< 5
B181305 Orig	0.024	0.041	0.19	4	17	11	0.23	< 20	5	< 2	< 10	165	< 10	11	9	
B181305 Dup	0.023	0.041	0.19	5	16	11	0.22	< 20	2	< 2	< 10	161	< 10	11	9	
B181312 Orig																< 5
B181312 Dup																< 5
B181315 Orig	0.013	0.061	4.19	5	4	217	0.12	< 20	5	< 2	< 10	59	< 10	4	17	

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	5
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-AA
B181315 Dup	0.014	0.062	4.20	5	4	221	0.12	< 20	< 1	< 2	< 10	62	< 10	4	17	
B181327 Orig																110
B181327 Dup																114
B181330 Orig	0.034	0.044	0.24	3	5	24	0.29	< 20	4	< 2	< 10	72	< 10	15	23	
B181330 Dup	0.033	0.044	0.24	3	5	23	0.28	< 20	4	< 2	< 10	72	< 10	15	32	
B181503 Orig																< 5
B181503 Dup																5
B181556 Orig																5
B181556 Dup																8
B181561 Orig	0.044	0.033	< 0.01	< 2	3	21	0.14	< 20	4	< 2	< 10	34	< 10	5	5	
B181561 Dup	0.044	0.030	< 0.01	< 2	3	21	0.14	< 20	4	< 2	< 10	33	< 10	5	5	
B181571 Orig																7
B181571 Dup																5
B181575 Orig	0.022	0.031	0.02	< 2	2	12	0.12	< 20	< 1	< 2	< 10	49	< 10	3	3	
B181575 Dup	0.022	0.031	0.02	< 2	2	11	0.11	< 20	2	< 2	< 10	45	< 10	3	3	
B181581 Orig																6
B181581 Dup																5
B181585 Orig	0.026	0.018	< 0.01	< 2	2	18	0.10	< 20	3	< 2	< 10	30	< 10	3	3	
B181585 Dup	0.025	0.018	< 0.01	< 2	2	18	0.10	< 20	2	< 2	< 10	29	< 10	3	3	
B181592 Orig																< 5
B181592 Dup																< 5
B181600 Orig	0.027	0.080	< 0.01	< 2	2	15	0.09	< 20	2	< 2	< 10	28	< 10	3	2	
B181600 Dup	0.028	0.082	< 0.01	< 2	2	15	0.08	< 20	4	< 2	< 10	28	< 10	3	2	
B181608 Orig																16
B181608 Dup																21
Method Blank																< 5
Method Blank																< 5
Method Blank																< 5
Method Blank																< 5
Method Blank																< 5
Method Blank																< 5
Method Blank																< 5
Method Blank																< 5
Method Blank																< 5
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	

AGAT Laboratories

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CLIENT NAME: CLARK EXPLORATION CONSULTING INC.
941 COBALT CRESCENT
THUNDER BAY, ON P7B 5Z4
807-622-3284

ATTENTION TO: Brent Clark

PROJECT:

AGAT WORK ORDER: 20B633330

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Aug 14, 2020

PAGES (INCLUDING COVER): 15

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 20B633330

PROJECT:

CLIENT NAME: CLARK EXPLORATION CONSULTING INC.

ATTENTION TO: Brent Clark

(200-) Sample Login Weight

DATE SAMPLED: Aug 03, 2020 | DATE RECEIVED: Aug 04, 2020 | DATE REPORTED: Aug 14, 2020 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
A934501 (1322751)	1.97
A934502 (1322752)	2.67
A934503 (1322753)	1.29
A934504 (1322754)	1.47
A934505 (1322755)	0.95
A934506 (1322756)	1.85
A934507 (1322757)	1.33
A934508 (1322758)	1.49
A934509 (1322759)	0.92
A934510 (1322760)	1.06
A934511 (1322761)	0.30
A934512 (1322762)	2.07
A934513 (1322763)	0.49
A934514 (1322764)	3.65
A934515 (1322765)	0.71
A934516 (1322766)	1.06
A934517 (1322767)	0.49
A934518 (1322768)	1.53
A934519 (1322769)	0.88
A934521 (1322770)	0.18
A934522 (1322771)	1.41
A934523 (1322772)	1.27

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 20B633330

PROJECT:

CLIENT NAME: CLARK EXPLORATION CONSULTING INC.

ATTENTION TO: Brent Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 03, 2020 | DATE RECEIVED: Aug 04, 2020 | DATE REPORTED: Aug 14, 2020 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
A934501 (1322751)	4.5	0.91	539	133	<0.5	<1	0.20	0.8	10	2.2	354	9.8	1.28	<5
A934502 (1322752)	12.8	0.54	889	89	<0.5	<1	0.05	<0.5	9	1.7	306	15.0	1.08	<5
A934503 (1322753)	<0.5	7.95	26	730	1.2	<1	0.17	<0.5	42	4.4	226	5.4	2.07	14
A934504 (1322754)	<0.5	0.73	603	84	<0.5	<1	0.20	<0.5	5	2.1	291	1.5	1.13	<5
A934505 (1322755)	<0.5	0.27	350	45	<0.5	<1	0.11	<0.5	3	1.5	327	1.6	0.85	<5
A934506 (1322756)	<0.5	0.12	787	22	<0.5	<1	0.02	<0.5	<1	1.1	207	0.7	0.71	<5
A934507 (1322757)	<0.5	8.34	11	662	1.5	<1	1.60	<0.5	50	5.7	196	42.5	2.69	20
A934508 (1322758)	<0.5	7.73	22	106	<0.5	<1	3.20	<0.5	21	34.4	323	76.1	8.53	16
A934509 (1322759)	<0.5	8.51	4	1380	1.5	<1	1.08	<0.5	61	21.3	346	52.3	3.69	17
A934510 (1322760)	<0.5	7.90	11	922	1.3	<1	1.26	<0.5	70	9.3	175	5.2	2.56	17
A934511 (1322761)	<0.5	0.87	86	90	<0.5	21	0.06	<0.5	8	2.0	303	411	0.92	<5
A934512 (1322762)	<0.5	0.15	36	14	<0.5	1	0.04	<0.5	2	6.9	338	22.6	1.48	<5
A934513 (1322763)	<0.5	0.63	6	32	<0.5	<1	0.23	<0.5	1	8.7	415	3.5	1.83	<5
A934514 (1322764)	<0.5	0.52	7	83	<0.5	<1	0.18	<0.5	9	3.5	277	11.1	1.08	<5
A934515 (1322765)	<0.5	6.82	61	640	1.3	<1	1.52	<0.5	47	53.4	443	50.3	3.42	17
A934516 (1322766)	<0.5	6.43	23	340	1.2	<1	5.04	<0.5	40	41.7	305	71.1	6.80	18
A934517 (1322767)	2.4	2.27	7	27	<0.5	28	2.24	<0.5	2	15.6	361	77.5	3.14	8
A934518 (1322768)	<0.5	6.27	8	95	<0.5	<1	5.36	<0.5	7	35.2	339	96.1	7.69	15
A934519 (1322769)	<0.5	9.26	28	275	<0.5	<1	4.17	<0.5	11	11.0	212	141	1.55	16
A934521 (1322770)	<0.5	2.39	9	98	<0.5	<1	0.78	<0.5	6	9.9	741	30.3	2.58	7
A934522 (1322771)	<0.5	7.00	12	352	1.1	<1	4.35	<0.5	51	38.2	335	77.4	6.53	17
A934523 (1322772)	<0.5	6.37	2	286	1.0	<1	4.06	<0.5	44	42.9	324	119	6.69	16

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 20B633330

PROJECT:

CLIENT NAME: CLARK EXPLORATION CONSULTING INC.

ATTENTION TO: Brent Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 03, 2020 | DATE RECEIVED: Aug 04, 2020 | DATE REPORTED: Aug 14, 2020 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
A934501 (1322751)	<1	0.35	5	1	0.06	134	4.6	0.17	7.1	90	3480	<10	0.09	8
A934502 (1322752)	<1	0.26	4	1	0.02	54	3.6	0.02	7.1	100	5250	<10	0.18	7
A934503 (1322753)	<1	2.35	22	8	0.17	293	<0.5	2.61	10.3	407	47	67	0.04	<1
A934504 (1322754)	<1	0.25	<2	<1	0.03	153	3.9	0.20	7.0	106	14	<10	0.03	<1
A934505 (1322755)	<1	0.12	<2	<1	0.02	90	3.8	0.03	5.5	63	59	<10	0.02	<1
A934506 (1322756)	<1	0.06	<2	<1	<0.01	47	6.7	<0.01	6.5	17	163	<10	0.04	2
A934507 (1322757)	<1	1.98	29	25	0.80	383	0.7	3.04	14.1	657	4	80	0.28	<1
A934508 (1322758)	<1	0.28	8	21	3.09	1640	<0.5	1.75	94.9	340	5	12	0.13	<1
A934509 (1322759)	<1	3.41	31	39	2.11	502	<0.5	0.60	123	984	25	109	<0.01	2
A934510 (1322760)	<1	2.33	38	12	0.53	537	<0.5	2.50	24.2	523	8	74	0.01	<1
A934511 (1322761)	<1	0.25	4	1	0.03	103	1.5	0.31	6.9	113	28	<10	0.01	1
A934512 (1322762)	<1	0.02	<2	<1	0.07	315	6.0	<0.01	21.0	32	7	<10	0.02	<1
A934513 (1322763)	<1	0.01	<2	4	0.51	334	2.3	0.02	16.5	28	4	<10	<0.01	<1
A934514 (1322764)	<1	0.18	4	2	0.14	173	3.7	0.06	10.5	109	4	<10	<0.01	<1
A934515 (1322765)	<1	3.03	22	20	1.12	622	1.1	0.19	138	359	2	103	0.03	<1
A934516 (1322766)	<1	0.89	19	7	2.85	1340	<0.5	2.46	110	534	5	57	0.05	<1
A934517 (1322767)	<1	0.10	<2	5	1.17	676	2.5	0.18	19.2	100	74	<10	0.02	3
A934518 (1322768)	<1	0.30	<2	12	3.47	1480	<0.5	0.86	73.6	282	5	18	0.11	<1
A934519 (1322769)	<1	1.87	5	15	0.46	726	<0.5	2.53	34.5	341	<1	55	0.03	<1
A934521 (1322770)	<1	0.37	<2	5	0.43	476	1.0	0.91	34.0	267	6	19	0.01	<1
A934522 (1322771)	<1	2.28	26	25	1.75	1530	<0.5	1.33	103	485	10	101	0.04	<1
A934523 (1322772)	<1	0.97	22	26	2.57	1320	<0.5	2.12	116	411	8	44	0.05	<1

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Certificate of Analysis

AGAT WORK ORDER: 20B633330

PROJECT:

CLIENT NAME: CLARK EXPLORATION CONSULTING INC.

ATTENTION TO: Brent Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 03, 2020 | DATE RECEIVED: Aug 04, 2020 | DATE REPORTED: Aug 14, 2020 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
A934501 (1322751)	<1	<10	<5	28	<10	<10	<5	0.02	<5	<5	10.9	<1	1	298
A934502 (1322752)	<1	<10	<5	10	<10	<10	<5	0.02	<5	<5	8.3	2	<1	239
A934503 (1322753)	3	<10	<5	251	<10	<10	<5	0.16	<5	<5	30.0	<1	5	33.2
A934504 (1322754)	<1	<10	<5	25	<10	<10	<5	0.02	<5	<5	7.1	<1	1	11.2
A934505 (1322755)	<1	<10	<5	9	<10	<10	<5	0.01	<5	<5	5.2	<1	<1	34.7
A934506 (1322756)	<1	<10	<5	4	<10	<10	<5	<0.01	<5	<5	4.3	<1	<1	39.4
A934507 (1322757)	8	<10	<5	308	<10	<10	<5	0.28	<5	<5	49.0	<1	15	44.0
A934508 (1322758)	36	<10	<5	165	<10	<10	<5	0.52	<5	10	244	<1	20	100
A934509 (1322759)	10	<10	<5	137	<10	<10	<5	0.14	<5	<5	82.9	<1	9	77.1
A934510 (1322760)	6	<10	<5	373	<10	<10	<5	0.18	<5	<5	51.9	<1	6	46.2
A934511 (1322761)	<1	<10	<5	32	<10	<10	<5	0.04	<5	<5	8.3	<1	2	9.2
A934512 (1322762)	<1	<10	<5	2	<10	<10	<5	<0.01	<5	<5	3.3	<1	1	13.9
A934513 (1322763)	<1	<10	<5	50	<10	<10	<5	<0.01	<5	<5	7.6	<1	<1	32.3
A934514 (1322764)	1	<10	<5	41	<10	<10	<5	0.03	<5	<5	13.5	<1	1	10.3
A934515 (1322765)	23	<10	<5	29	<10	<10	<5	0.49	<5	6	184	<1	22	47.1
A934516 (1322766)	23	<10	<5	204	<10	<10	<5	0.46	<5	8	165	<1	31	76.5
A934517 (1322767)	13	<10	<5	44	<10	<10	<5	0.10	<5	<5	114	<1	7	41.4
A934518 (1322768)	38	<10	<5	106	<10	<10	<5	0.50	<5	10	261	<1	22	91.7
A934519 (1322769)	58	<10	<5	171	<10	<10	<5	0.49	<5	6	336	<1	14	14.8
A934521 (1322770)	8	<10	<5	66	<10	<10	<5	0.18	<5	5	64.6	<1	7	25.1
A934522 (1322771)	22	<10	<5	217	<10	<10	<5	0.42	<5	6	163	<1	29	74.0
A934523 (1322772)	23	<10	<5	172	<10	<10	<5	0.40	<5	9	155	<1	17	83.2

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Certificate of Analysis

AGAT WORK ORDER: 20B633330

PROJECT:

CLIENT NAME: CLARK EXPLORATION CONSULTING INC.

ATTENTION TO: Brent Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 03, 2020 | DATE RECEIVED: Aug 04, 2020 | DATE REPORTED: Aug 14, 2020 | SAMPLE TYPE: Rock

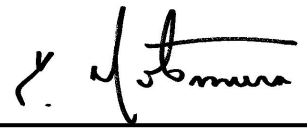
Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
A934501 (1322751)	22
A934502 (1322752)	10
A934503 (1322753)	96
A934504 (1322754)	8
A934505 (1322755)	<5
A934506 (1322756)	<5
A934507 (1322757)	89
A934508 (1322758)	45
A934509 (1322759)	122
A934510 (1322760)	102
A934511 (1322761)	12
A934512 (1322762)	<5
A934513 (1322763)	<5
A934514 (1322764)	10
A934515 (1322765)	206
A934516 (1322766)	186
A934517 (1322767)	11
A934518 (1322768)	34
A934519 (1322769)	63
A934521 (1322770)	51
A934522 (1322771)	148
A934523 (1322772)	139

Comments: RDL - Reported Detection Limit

1322751-1322772 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:



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AGAT WORK ORDER: 20B633330

PROJECT:

CLIENT NAME: CLARK EXPLORATION CONSULTING INC.

ATTENTION TO: Brent Clark

(202-051) Fire Assay - Trace Au, AAS finish (30g charge) (ppm)

DATE SAMPLED: Aug 03, 2020 | DATE RECEIVED: Aug 04, 2020 | DATE REPORTED: Aug 14, 2020 | SAMPLE TYPE: Rock

Analyte:	Au
Unit:	ppm
Sample ID (AGAT ID) RDL:	0.002
A934501 (1322751)	6.89
A934502 (1322752)	>10
A934503 (1322753)	0.015
A934504 (1322754)	0.005
A934505 (1322755)	0.250
A934506 (1322756)	0.426
A934507 (1322757)	0.147
A934508 (1322758)	0.005
A934509 (1322759)	0.003
A934510 (1322760)	0.009
A934511 (1322761)	0.017
A934512 (1322762)	0.010
A934513 (1322763)	<0.002
A934514 (1322764)	<0.002
A934515 (1322765)	0.006
A934516 (1322766)	0.036
A934517 (1322767)	0.317
A934518 (1322768)	0.008
A934519 (1322769)	0.013
A934521 (1322770)	0.013
A934522 (1322771)	0.020
A934523 (1322772)	0.022

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 20B633330
PROJECT:

CLIENT NAME: CLARK EXPLORATION CONSULTING INC.

ATTENTION TO: Brent Clark

(202-064) Fire Assay - Au Ore Grade, Gravimetric finish

DATE SAMPLED: Aug 03, 2020 | DATE RECEIVED: Aug 04, 2020 | DATE REPORTED: Aug 14, 2020 | SAMPLE TYPE: Rock

Analyte:	Au-Grav
Unit:	ppm
Sample ID (AGAT ID) RDL:	0.5
A934502 (1322752)	19.2

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Certified By:

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AGAT WORK ORDER: 20B633330

PROJECT:

CLIENT NAME: CLARK EXPLORATION CONSULTING INC.

ATTENTION TO: Brent Clark

Sieving - % Passing (Crushing)

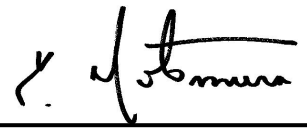
DATE SAMPLED: Aug 03, 2020 | DATE RECEIVED: Aug 04, 2020 | DATE REPORTED: Aug 14, 2020 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
A934501 (1322751)	84
A934518 (1322768)	83

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Certified By:



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AGAT WORK ORDER: 20B633330
PROJECT:

CLIENT NAME: CLARK EXPLORATION CONSULTING INC.

ATTENTION TO: Brent Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Aug 03, 2020 | DATE RECEIVED: Aug 04, 2020 | DATE REPORTED: Aug 14, 2020 | SAMPLE TYPE: Rock

	Analyte:	Pass %
	Unit:	%
Sample ID (AGAT ID)	RDL:	0.01
A934502 (1322752)		94

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

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Quality Assurance - Replicate

AGAT WORK ORDER: 20B633330

PROJECT:

CLIENT NAME: CLARK EXPLORATION CONSULTING INC.

ATTENTION TO: Brent Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2													
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD										
Ag	1322751	4.51	4.87	7.7%	1322766	< 0.5	< 0.5	0.0%										
Al	1322751	0.91	0.90	1.1%	1322766	6.43	6.56	2.0%										
As	1322751	539	482	11.2%	1322766	23	19	19.0%										
Ba	1322751	133	131	1.5%	1322766	340	347	2.0%										
Be	1322751	< 0.5	< 0.5	0.0%	1322766	1.2	1.2	0.0%										
Bi	1322751	< 1	< 1	0.0%	1322766	< 1	< 1	0.0%										
Ca	1322751	0.202	0.211	4.4%	1322766	5.04	5.12	1.6%										
Cd	1322751	0.8	< 0.5		1322766	< 0.5	< 0.5	0.0%										
Ce	1322751	10	10	0.0%	1322766	40	41	2.5%										
Co	1322751	2.19	1.74	22.9%	1322766	41.7	42.4	1.7%										
Cr	1322751	354	328	7.6%	1322766	305	336	9.7%										
Cu	1322751	9.76	8.44	14.5%	1322766	71.1	72.3	1.7%										
Fe	1322751	1.28	1.21	5.6%	1322766	6.80	6.91	1.6%										
Ga	1322751	< 5	< 5	0.0%	1322766	18	18	0.0%										
In	1322751	< 1	< 1	0.0%	1322766	< 1	< 1	0.0%										
K	1322751	0.35	0.35	0.0%	1322766	0.891	0.909	2.0%										
La	1322751	5	5	0.0%	1322766	19	19	0.0%										
Li	1322751	1	1	0.0%	1322766	7	8	13.3%										
Mg	1322751	0.06	0.06	0.0%	1322766	2.85	2.89	1.4%										
Mn	1322751	134	127	5.4%	1322766	1340	1360	1.5%										
Mo	1322751	4.6	4.0	14.0%	1322766	< 0.5	< 0.5	0.0%										
Na	1322751	0.17	0.16	6.1%	1322766	2.46	2.54	3.2%										
Ni	1322751	7.1	6.6	7.3%	1322766	110	113	2.7%										
P	1322751	90	73	20.9%	1322766	534	574	7.2%										
Pb	1322751	3480	3590	3.1%	1322766	5	6	18.2%										
Rb	1322751	< 10	< 10	0.0%	1322766	57	59	3.4%										
S	1322751	0.09	0.09	0.0%	1322766	0.051	0.055	7.5%										
Sb	1322751	8	6	28.6%	1322766	< 1	< 1	0.0%										
Sc	1322751	< 1	1		1322766	23	24	4.3%										
Se	1322751	< 10	< 10	0.0%	1322766	< 10	< 10	0.0%										
Sn	1322751	< 5	< 5	0.0%	1322766	< 5	< 5	0.0%										

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CLIENT NAME: CLARK EXPLORATION CONSULTING INC.

ATTENTION TO: Brent Clark

Sr	1322751	28	27	3.6%	1322766	204	210	2.9%								
Ta	1322751	< 10	< 10	0.0%	1322766	< 10	< 10	0.0%								
Te	1322751	< 10	< 10	0.0%	1322766	< 10	< 10	0.0%								
Th	1322751	< 5	< 5	0.0%	1322766	< 5	< 5	0.0%								
Ti	1322751	0.02	0.02	0.0%	1322766	0.46	0.47	2.2%								
Tl	1322751	< 5	< 5	0.0%	1322766	< 5	< 5	0.0%								
U	1322751	< 5	< 5	0.0%	1322766	8	8	0.0%								
V	1322751	10.9	10.8	0.9%	1322766	165	171	3.6%								
W	1322751	< 1	< 1	0.0%	1322766	< 1	< 1	0.0%								
Y	1322751	1	< 1		1322766	31	32	3.2%								
Zn	1322751	298	264	12.1%	1322766	76.5	76.6	0.1%								
Zr	1322751	22	23	4.4%	1322766	186	191	2.7%								

(202-051) Fire Assay - Trace Au, AAS finish (30g charge) (ppm)

	REPLICATE #1				REPLICATE #2											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	1322751	6.89	6.67	3.2%	1322766	0.036	0.043	17.7%								

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 20B633330

PROJECT:

CLIENT NAME: CLARK EXPLORATION CONSULTING INC.

ATTENTION TO: Brent Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.Till-2)				CRM #2 (ref.GTS-2a)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Al	8.47	8.38	99%	90% - 110%	6.96	6.72	97%	90% - 110%								
As	26	27	102%	90% - 110%	124	136	110%	90% - 110%								
Ba	540	534	99%	90% - 110%	186	183	98%	90% - 110%								
Be	4.0	3.5	88%	90% - 110%												
Ca	0.907	0.893	98%	90% - 110%	4.01	3.72	93%	90% - 110%								
Ce	98	99	101%	90% - 110%	24	23	97%	90% - 110%								
Co					22.1	23.3	105%	90% - 110%								
Cr	60.3	65.1	108%	90% - 110%												
Cu	150	156	104%	90% - 110%	88.6	84.2	95%	90% - 110%								
Fe	3.77	3.72	99%	90% - 110%	7.56	7.07	93%	90% - 110%								
K					2.021	1.936	96%	90% - 110%								
La	44	45	102%	90% - 110%												
Li	47	49	104%	90% - 110%												
Mg	1.10	1.1	100%	90% - 110%	2.412	2.343	97%	90% - 110%								
Mn	780	794	102%	90% - 110%	1510	1446	96%	90% - 110%								
Mo	14	12	87%	90% - 110%												
Na	1.624	1.651	102%	90% - 110%	0.617	0.593	96%	90% - 110%								
Ni	32	34	105%	90% - 110%	77.1	77.1	100%	90% - 110%								
P	750	787	105%	90% - 110%	892	967	108%	90% - 110%								
Pb	31	24	79%	90% - 110%												
Rb	143	135	94%	90% - 110%												
S					0.348	0.342	98%	90% - 110%								
Sc	12	13	108%	90% - 110%												
Sr	144	147	102%	90% - 110%	92.8	84.2	91%	90% - 110%								
Ti	0.53	0.49	92%	90% - 110%												
V	77	81	105%	90% - 110%												
Zn	130	131	101%	90% - 110%	208	209	100%	90% - 110%								

(202-051) Fire Assay - Trace Au, AAS finish (30g charge) (ppm)

	CRM #1 (GS2T)				CRM #2 (GS7H)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Au	1.75	1.67	96%	90% - 110%	6.56	6.35	97%	90% - 110%								

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Method Summary

CLIENT NAME: CLARK EXPLORATION CONSULTING INC.

AGAT WORK ORDER: 20B633330

PROJECT:

ATTENTION TO: Brent Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CLARK EXPLORATION CONSULTING INC.

AGAT WORK ORDER: 20B633330

PROJECT:

ATTENTION TO: Brent Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12019	BUGBEE, E: A Textbook of Fire Assaying	AA
Au-Grav	MIN-12004	BUGBEE, E: A Textbook of Fire Assaying	GRAVIMETRIC
Pass %			BALANCE

Title	Date Created	Northing	Easting	Description	001 Location ID	006 Date	007 Geologist	008 Type	009 RockType	010 GrainSize	011 Colour	012 Texture	013 Sulph1	014 Sulph2	015 Sulph3	016 Sulph %	017 SulphStyle	018 1st AltIntensity	018 2nd AltIntensity	019 1st Alt Texture	019 2nd AltIntensity	020 1st Alt Min	020 2nd Alt Min	021 Deformation	022 Deformation Type	023 Description	Au_ppb	Ag_ppm	As_ppb	Cu_ppm	Ni_ppm	Pd_ppm	Zn_ppm
B181251	2020-06-11T13:34:46-04:00	5584636	656033	sheared qtz-carb vning with trace pyrite in intermediate volcanics	AG-20-007		Andrew Graba	Outcrop	Intermediate Volcanic	Fine (<1mm)	Light Grey	Foliated	Pyrite			0.1	Disseminated	Moderate	Weak	Fracture-Fill	Pervasive	Quartz-carbonate	Sericite	Strong	Sheared	interlayered iron formation + int volcanics. sample taken from int volcanics contains strong irreg qtz-carb veining with trace vfgr diss py.	< 5	< 0.2	8	10	18	10	18
B181252	2020-06-11T15:18:08-04:00	5584742.399	656664.8411	10x10m hill of rhyolitic lapilli tuff on cutblock road	AG-20-010		Andrew Graba	Outcrop	Rhyolite	Fine (<1mm)	Grey	Pyroclastic	Arsenopyrite			1	Patchy	Weak	Weak	Pervasive	Pervasive	Sericite	Silica	Moderate	Foliated	wkly sil-ser alt'd rhyolite with clasts of chert + iron formation. 1% fgr-mgr arseno in silicification	10	< 0.2	< 2	93	32	4	60
B181253	2020-06-12T16:31:19-04:00	5587148.632	659799.3659	strly sheared and deformed mafic volc	AG-20-015		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Green-Grey	Schistose						Moderate	Weak	Pervasive	Pervasive	Chlorite	Sericite	Strong	Sheared	sheared mafic volcanic with strong cruenlated foliation	10	< 0.2	3	46	195	9	57
B181254	2020-06-14T10:12:02-04:00	5587494.186	660096.5698	foliated mafic volcanic wall-rock adjacent to sheared qtz vn ~5cm thick	AG-20-020		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Green	Foliated						Strong	Trace	Pervasive	Spotted	Chlorite	Fucshite	Strong	Foliated	green wall-rock mafic volcanic: chl-bt schist with trace fucshite. immediately proximal to sheared qtz vn 5cm thick	< 5	< 0.2	13	16	45	23	67
B181255	2020-06-14T10:19:58-04:00	5587495.048	660099.037	sheared qtz vn deformed by regional foliation/shearing 3-5cm thick	AG-20-020		Andrew Graba	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive												Strong	Sheared	sheared qtz vn deformed by regional foliation/shearing 3-5cm thick	5	< 0.2	7	11	18	39	20
B181256	2020-06-14T11:31:52-04:00	5587535.011	660088.1944	3 parallel qtz-carb vns ~5cm thick. str chl and wk fucshite in wall-rock	AG-20-021		Andrew Graba	Outcrop	Quartz-Carb Vein	Aphanitic	White	Massive												Strong	Sheared	3 parallel qtz-carb vns ~5cm thick. str chl and weak fucshite in wall-rock	< 5	< 0.2	175	21	11	24	13
B181257	2020-06-14T11:43:49-04:00	5587535.409	660087.993	strly crenulated/foliated wall-rock with green mica alt (fucshite?) and str chlorite alt. immediately proximal to qtz-carb vning in B181256	AG-20-021		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Green	Foliated						Strong	Weak	Pervasive	Pervasive	Chlorite	Fucshite	Strong	Crenulated	strly crenulated/foliated wall-rock with green mica alt (fucshite?) and str chlorite alt. immediately proximal to qtz-carb vning in B181256	< 5	< 0.2	79	26	61	4	86
B181258	2020-06-14T11:53:45-04:00	5587536.106	660090.0672	continuation of qtz-carb veining from B181256 ~15m west. orange iron oxide staining on surface	AG-20-021		Andrew Graba	Outcrop	Quartz-Carb Vein	Aphanitic	Light Grey	Massive												Moderate		continuation of qtz-carb veining from B181256 ~15m west. orange iron oxide staining on surface	5	< 0.2	39	19	27	21	43
B181259	2020-06-14T13:03:36-04:00	5587560.671	660074.8063	quartz vn 6cm thick in chlorite schist host	AG-20-022		Andrew Graba	Outcrop	Quartz Vein	Aphanitic	Grey	Sugary														quartz vn 6cm thick in chlorite schist host	< 5	< 0.2	3	9	14	< 2	25
B181260	2020-06-14T14:46:27-04:00	5587579.045	660331.4168	boudinaged robust qtz vn up to 35cm thick. intense bioitie addition to local wall-rock	AG-20-026		Andrew Graba	Outcrop	Quartz Vein	Aphanitic	White	Massive														boudinaged robust qtz vn up to 35cm thick. intense bioitie addition to local wall-rock	6	< 0.2	< 2	19	8	17	17
B181261	2020-06-15T10:20:19-04:00	5586174.595	657773.6775	bull qtz vn in gabbro. discontinuous	AG-20-031		Andrew Graba	Outcrop	Quartz Vein	Aphanitic	White	Massive												Moderate		bull qtz vn 6cm thick. discontinuous	< 5	< 0.2	< 2	6	16	2	12
B181262	2020-06-15T12:03:58-04:00	5586751.071	658311.1432	rusted and sheared intermediate tuff with trace qtz vnts	AG-20-034		Andrew Graba	Outcrop	Intermediate Volcanic	Fine (<1mm)	Red-Brown	Bedded						Moderate	Moderate	Pervasive	Pervasive	Chlorite	Sericite	Intense	Sheared	rusted and sheared intermediate tuff with trace qtz vnts	6	< 0.2	< 2	115	49	6	52
B181263	2020-06-15T12:23:25-04:00	5586789.003	658365.0721	rusted intermediate tuff with thin qtz vning and mod chl + ser	AG-20-035		Andrew Graba	Outcrop	Intermediate Volcanic	Fine (<1mm)	Red-Brown	Bedded						Moderate	Moderate	Pervasive	Pervasive	Chlorite	Sericite	Strong	Sheared	rusted intermediate tuff with thin qtz vning and mod chl + ser	< 5	< 0.2	< 2	55	61	8	53
B181264	2020-06-15T12:59:13-04:00	5586778.631	658435.5959	sheared int-mafic tuff. rusted red. mod-str perv chl + ser	AG-20-036		Andrew Graba	Outcrop	Intermediate Volcanic	Fine (<1mm)	Red-Brown	Foliated						Moderate	Moderate	Pervasive	Pervasive	Chlorite	Sericite	Strong	Sheared	sheared int-mafic tuff. rusted red. mod-str perv chl + ser	< 5	< 0.2	2	10	53	4	62
B181265	2020-06-15T15:30:31-04:00	5585358.751	657100.9492	slightly irreg planar qtz vn 8-20cm thick	AG-20-041		Andrew Graba	Outcrop	Quartz Vein	Aphanitic	Grey	Massive												Moderate	Sheared	qtz vn 8-12cm thick parallel to fabric	< 5	< 0.2	< 2	89	43	4	63
B181266	2020-06-16T10:12:11-04:00	5585468.015	656817.1606	boudinaged and sheared qtz vn ~10cm thick within rhyo-dacitic lapilli tuff	AG-20-048		Andrew Graba	Outcrop	Quartz Vein	Aphanitic	Grey	Massive												Strong	Sheared	boudinaged qtz vn up to 10cm thick	< 5	< 0.2	< 2	50	3	< 2	4
B181267	2020-06-16T10:15:36-04:00	5585468.015	656817.1606	chloritized int volc wall-rock adjacent to qtz vn in sample B181266	AG-20-048		Andrew Graba	Outcrop	Intermediate Volcanic	Fine (<1mm)	Beige	Foliated						Strong	Trace	Pervasive	Pervasive	Chlorite	Sericite	Strong	Sheared	chloritized int volc wall-rock adjacent to qtz vn in B181266	< 5	< 0.2	3	33	26	8	30
B181268	2020-06-16T11:44:18-04:00	5584871.53	656881.5234	strongly sil-ser altered and sheared rhyolite tuff with thin qtz shear veins. rusted iron staining on surface	AG-20-052		Andrew Graba	Outcrop	Rhyolite	Fine (<1mm)	Light Grey	Foliated						Strong	Moderate	Pervasive	Pervasive	Sericite	Silica	Intense	Sheared	strongly sil-ser altered and sheared rhyolite tuff with thin qtz shear veins. rusted iron staining on surface	< 5	< 0.2	5	16	16	19	57
B181269	2020-06-16T14:25:06-04:00	5585855.338	655552.6368	sheared mafic volcanics with mgr sulphide mineralization	AG-20-054		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Drk Green	Bedded	Pyrite	Chalcopyrite	Galena	1	Blebby	Moderate	Moderate	Pervasive	Pervasive	Sericite	Chlorite	Strong	Sheared	sheared mafic volcanics with a 1cm thick qtz vn + mgr sulphides along vein margin.	10	< 0.2	48	82	109	13	73
B181270				BLANK																							< 5	< 0.2	< 2	1	< 1	< 2	< 2
B181271	2020-06-16T14:34:06-04:00	5585852.586	655550.3085		AG-20-054		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Drk Green	Foliated	Arsenopyrite	Chalcopyrite	Sphalerite	2	Blebby	Strong	Moderate	Pervasive	Pervasive	Sericite	Silica	Strong	Sheared	sheared mafic volcanic. str ser + chl and locally silicified. silicification carries sulphides. mgr py, cpy, arseno, sphalerite	596	0.4	21	183	84	8	20
B181272	2020-06-17T09:25:29-04:00	5585077.9	652432.92	local thin qtz vn in boulder conglomerate with 1% fgr py. subcrop.	AG-20-058		Andrew Graba	Subcrop	Conglomerate	Fine (<1mm)	Grey	Bedded	Pyrite			1	Disseminated	Subtle		Pervasive		Sericite		Strong	Sheared	local thin qtz vn in boulder conglomerate with 1% fgr py	9	< 0.2	4	63	146	9	41
B181273	2020-06-17T10:27:53-04:00	5585094.662	652637.3967		AG-20-060																						< 5	< 0.2	6	26	24	4	18
B181274	2020-06-17T12:34:47-04:00	5585181.523	653379.8645	chl + ser altered mafic volcanics with thin (1cm) qtz vning/silica flooding	AG-20-063		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Drk Brown	Foliated						Strong	Moderate	Pervasive	Pervasive	Chlorite	Silica	Strong	Sheared	chl + ser altered mafic volcanics with thin (1cm) qtz vning/silica flooding	86	< 0.2	< 2	14	7	< 2	7
B181275	2020-06-17T12:21:09-04:00	5585244.519	653365.3895	strly altered sheared mafic volcanic with str silica flooding	AG-20-062		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Green-Grey	Foliated	Pyrite			0.1	Disseminated	Strong	Strong	Pervasive	Pervasive	Sericite	Silica	Strong	Sheared	strly altered sheared mafic volcanic with str silica flooding	< 5	< 0.2	4	< 1	3	< 2	13
B181276	2020-06-17T13:04:44-04:00	5585205.13	653634.0851	protolith felsic volcanic or qtz sandstone? intense silica flooding?	AG-20-064		Andrew Graba	Outcrop	Quartzite	Aphanitic	Light Grey	Massive														protolith felsic volcanic or qtz sandstone? intense silica flooding?	< 5	< 0.2	8	8	5	< 2	2
B181277	2020-06-17T13:32:31-04:00	5585257.601	653719.5214	chloritized and intensely sheared mafic volcaniclastic with qtz shear veining. slightly rusty appearance	AG-20-065		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Red-Brown	Foliated						Strong	Moderate	Pervasive	Pervasive	Chlorite	Sericite	Intense	Sheared	chloritized and intensely sheared mafic volcaniclastic with qtz shear veining. slightly rusty appearance	< 5	< 0.2	50	18	52	< 2	4
B181278	2020-06-17T13:46:16-04:00	5585260.77	653723.2865	historic channel sample across rusty horizon in sheared mafic volcanics with str shearing, str chl alt and discontinuous qtz vnts/strained clasts. chipped out a sample.	AG-20-065		Andrew Graba	Outcrop	Mafic Volcaniclastic	Fine (<1mm)	Red-Brown	Foliated						Strong	Moderate	Pervasive	Pervasive	Chlorite	Sericite	Intense	Sheared	historic channel sample across rusty horizon in sheared mafic volcanics with str shearing, str chl alt and discontinuous qtz vnts/strained clasts. chipped out a sample.	54	< 0.2	175	9	7	< 2	6
B181279	2020-06-18T10:35:16-04:00	5587767.87	659615.8137	rusted qtz vn from trench. subcrop	AG-20-070		Andrew Graba	Outcrop	Quartz Vein	Aphanitic			Pyrite			1	Disseminated									qtz vn from trench	14	< 0.2	1380	2	9	18	38
B181280	2020-06-18T10:45:09-04:00	5587766.769	659616.9143	johnson vein sample. 25cm thick rusted qtz vn	AG-20-070		Andrew Graba	Outcrop	Quartz Vein	Aphanitic	Light Grey		Pyrite	Arsenopyrite		1	Disseminated									johnson vein 25cm wide in trench rusted orange	174	2.3	> 10000	28	13	603	500
B181281	2020-06-18T10:52:32-04:00	5587767.87	659615.2633	wall-rock sample adjacent to johnson vein in sample B181280. intensely ser + carb altered with fgr qtz eyes. looks like sediment (due to qtz eyes and conglomerate about 8m away) but may be intensely altered mafic tuff?	AG-20-070		Andrew Graba	Outcrop	Undifferentiated Sediment	Fine (<1mm)	Light Grey	Foliated						Strong	Strong	Pervasive	Pervasive	Sericite	Carbonate	Strong	Sheared	wall-rock sample adjacent to johnson vein in sample B181280. intensely ser + carb altered with fgr qtz eyes. looks like sediment (due to qtz eyes) but may be intensely altered mafic tuff?	15	< 0.2	136	26	32	15	59
B181282	2020-06-18T11:02:00-04:00	5587767.87	659615.2633	qtz float from johnson vein waste pile	AG-20-070		Andrew Graba	Float	Quartz Vein	Aphanitic	White	Massive														wtz float from johnson vein trench waste rock pile. slightly rusted	143	0.9	3240	4	4	254	242
B181283	2020-06-18T11:16:03-04:00	5587777.129	659637.2778	qtz vn in rhyolitic conglomerate down trench by lake. there is a historic grab sample with flagger here "417981"	AG-20-070		Andrew Graba	Outcrop	Quartz Vein	Aphanitic			Pyrite	Arsenopyrite		1								Strong		qtz vn down in one of the johnson trenches near the water	66	< 0.2	7190	1	8	58	57
B181284	2020-06-18T11:37:43-04:00	5587779	659637	wall-rock sample (strly ser + carb alt'd rhyolite) adjacent to qtz vn in B181283	AG-20-070		Andrew Graba	Outcrop	Felsic Volcanic	Fine (<1mm)	Light Brown	Foliated	Pyrite	Arsenopyrite		1	Disseminated	Strong	Strong	Pervasive	Pervasive	Sericite	Carbonate	Strong	Sheared	strly ser + carb altered sheared rhyolite with 1% vfgr eu py + arseno	42	< 0.2	4580	4	8	19	50
B181285	2020-06-18T12:07:11-04:00	5587755.662	659594.7674	johnson vein sample	AG-20-070		Andrew Graba	Outcrop	Quartz Vein	Aphanitic	Grey	Massive	Arsenopyrite	Pyrite		1	Disseminated									johnson qtz vn ~50cm thick w trace carb and py + arseno	41	< 0.2	1070	1	4	32	84
B181286	2020-06-18T12:11:08-04:00	5587755.662	659594.7674	silicified rhyolite wallrock adjacent to johnson vein sample B181285. trace fgr py + arseno	AG-20-070		Andrew Graba	Outcrop	Felsic Volcanic	Fine (<1mm)	Grey	Foliated	Arsenopyrite	Pyrite		1	Disseminated	Strong	Moderate	Pervasive	Pervasive	Silica	Sericite	Strong	Sheared	silicified and sheared rhyolite wallrock adjacent to johnson vein sample B181285. trace fgr py + arseno	383	< 0.2	> 10000	4	31	108	165
B181287	2020-06-18T12:31:44-04:00	5587752.698	659591.8043	rhyolite/QFP wall-rock with 5% fgr patchy arseno + py	AG-20-070		Andrew Graba	Subcrop	Felsic Volcanic	Fine (<1mm)	Light Grey	Massive	Arsenopyrite	Pyrite		5		Moderate	Moderate	Pervasive	Pervasive	Sericite	Carbonate	Not Present		subcrop of qfp/rhyolite with 5% sulphides	59	< 0.2	51	41	8	9	34
B181288	2020-06-18T12:48:05-04:00	5587770.441	659552.1423	westernmost johnson trench. intensely sheared qtz-ser-carb schist from trench (felsic volc protolith?)	AG-20-070		Andrew Graba	Outcrop	Felsic Volcanic	Fine (<1mm)	Light Brown	Foliated	Arsenopyrite	Pyrite		2	Disseminated	Intense	Strong	Pervasive	Pervasive	Sericite	Carbonate	Intense	Sheared	intensely sheared qtz-ser-carb schist from trench (felsic volc protolith?)	< 5	< 0.2	135	39	7	26	30
B181289	2020-06-18T14:08:15-04:00	5587775.219	658783.4495	Cliff showing trench. rusted qtz-ser schist with 15% sulphides	AG-20-071		Andrew Graba	Outcrop	Felsic Volcanic	Aphanitic	Light Grey	Foliated	Pyrite	Galena	Sphalerite	15	Disseminated	Strong	Moderate	Pervasive	Pervasive	Silica	Sericite	Strong	Sheared	Cliff showing trench. rusted qtz-ser schist with 15% sulphides	123	5.5	174	89	53	2160	187
B181290				BLANK																							51	1	104	28	38	260	89
B181291	2020-06-18T14:04:47-04:00	5587773.652	658771.785	gossan. qtz-ser schist w 5% sulphides. ~1m south of sheared sample B181292	AG-20-071		Andrew Graba	Outcrop	Felsic Volcanic	Fine (<1mm)	Grey	Foliated	Pyrite	Galena	Sphalerite	5	Disseminated	Strong	Strong	Pervasive	Pervasive	Silica	Sericite	Moderate	Foliated	qtz-ser schist w 5% sulphides	15	1.8	10	308	41	449	1530
B181292	2020-06-18T14:06:17-04:00	5587774.046	658772.0413	gossan. qtz-ser schist w 7% sulphides	AG-20-071		Andrew Graba	Outcrop	Felsic Volcanic	Aphanitic	Grey	Foliated	Pyrite	Galena	Sphalerite	7	Disseminated	Strong	Strong	Pervasive	Pervasive	Silica	Sericite	Strong	Sheared	qtz-ser schist w 7% sulphides	43	0.6	91	121	105	81	527
B181293	2020-06-19T09:41:55-04:00	5587780.257	658784.3384	cliff showing trench. qtz-ser schist with 5% sulphides	AG-20-071		Andrew Graba	Outcrop	Felsic Volcanic	Fine (<1mm)	Grey	Foliated	Arsenopyrite	Pyrite		5	Disseminated	Moderate	Moderate	Pervasive	Pervasive	Silica	Sericite	Strong	Foliated	qtz-ser schist w 5% sulphides	< 5	< 0.2	3	136	37	4	151
B181294	2020-06-19T10:49:10-04:00	5587773.145	658790.8575	qtz-ser schist with 7% sulphides - domiantly py. local fucshite	AG-20-071		Andrew Graba	Outcrop	Felsic Volcanic	Aphanitic	Beige	Foliated	Pyrite	Sphalerite		7	Disseminated	Strong	Strong	Pervasive	Pervasive	Silica	Sericite	Strong	Sheared	qtz-ser schist w 7% sulphides. local fucshite	334	1.8	81	18	15	242	7
B181295	2020-06-19T10:57:26-04:00	5587774.034	658790.5612	qtz-ser schist with 10% sulphides. modly crenulated foliation	AG-20-071		Andrew Graba	Outcrop	Felsic Volcanic	Aphanitic	Grey	Foliated	Pyrite	Sphalerite		10	Disseminated	Strong	Strong	Pervasive	Pervasive	Silica	Sericite	Moderate	Sheared	qtz-ser schist w 10% sulphides - dominantly arseno	140	0.6	91	176	49	47	231
B181296	2020-06-19T11:04:52-04:00	5587773.737	658789.9686	qtz-ser schist with 6% sulphides. slightly rusted	AG-20-071		Andrew Graba	Outcrop	Felsic Volcanic	Aphanitic	Grey	Foliated	Pyrite	Sphalerite	Galena	6	Disseminated	Strong	Strong	Pervasive	Pervasive	Sericite	Silica	Moderate	Sheared	pyritized qtz-ser schist	165	0.9	171	174	59	74	160
B181297	2020-06-19T11:23:28-04:00	5587774.922	658791.4501	qtz-ser schist w 5% sulphides, mainly py. 1m north of B181295/96	AG-20-071		Andrew Graba	Outcrop	Felsic Volcanic	Aphanitic	Grey	Foliated	Pyrite			5	Disseminated	Strong	Strong	Pervasive	Pervasive	Silica	Sericite	Strong	Sheared	qtz-ser schist w 5% py	43	0.4	175	32	64	43	14
B181298	2020-06-19T11:56:16-04:00	5587757.142	658776.931	wall-rock (qtz-ser-chl schist) adjacent to qtz vn sample in B181299	AG-20-071		Andrew Graba	Outcrop	Intermediate Volcanic	Fine (<1mm)	Drk Grey	Foliated						Strong	Moderate	Pervasive	Pervasive	Sericite	Chlorite	Strong	Foliated	wall-rock (qtz-ser-chl schist) adjacent to qtz vn sample in B181299	6	< 0.2	223	11	6	5	12
B181299	2020-06-19T12:03:36-04:00	5587757.142	658776.931	sheared bull qtz vn 10cm thick. continuation of Z-folded vn (structure AG-20-071c)	AG-20-071		Andrew Graba	Outcrop	Quartz Vein	Aphanitic	White													Strong	Sheared	sheared bull qtz vn 10cm thick. continuation of Z-folded vn (structure AG-20-071c)	12	< 0.2	9	6	< 1	4	< 2
B181300	2020-06-19T12:16:58-04:00	5587757.735	658776.042	wall-rock adjacent to qtz vn in B181299	AG-20-071		Andrew Graba	Outcrop	Intermediate Volcanic	Fine (<1mm)	Drk Grey	Foliated						Moderate	Moderate	Pervasive	Pervasive	Sericite	Chlorite	Strong	Sheared	wall-rock adjacent to qtz vn in B181299	5	< 0.2	87	12	8	6	13
B181301	2020-06-19T13:25:39-04:00	5587821.448	658671.1441	qtz-ser schist, few local 1-2cm thick smokey gray qtz vnts. trace vfgr py	AG-20-075		Andrew Graba	Outcrop	Felsic Volcanic	Aphanitic	Grey	Foliated	Pyrite			0.1	Disseminated	Strong	Strong	Pervasive	Pervasive	Sericite	Silica	Moderate	Foliated	qtz-ser schist, few local 1-2cm thick smokey gray qtz vnts. trace vfgr py	< 5	< 0.2	< 2	6	< 1	10	< 2
B181302	2020-06-19T13:30:50-04:00	5587822.337	658672.0331	qtz-ser schist w trace fucshite and vfgr py	AG-20-075		Andrew Graba	Outcrop	Felsic Volcanic	Aphanitic	Light Grey	Foliated	Pyrite			0.1	Disseminated	Strong	Strong	Pervasive	Pervasive	Silica	Sericite	Moderate	Foliated	qtz-ser schist w trace fucshite and vfgr py	< 5	< 0.2	3	6	< 1	6	< 2
B181303	2020-06-19T13:44:22-04:00	5587796.259	658704.3323	foliated gabbro. wkly silicifed with trace vfgr eu py.	AG-20-074		Andrew Graba	Outcrop	Gabbro	Medium (1mm - 5mm)	Green-Grey	Foliated	Pyrite			1	Disseminated	Moderate	Weak	Pervasive	Pervasive	Chlorite	Silica	Moderate	Foliated	foliated gabbro. wkly silicifed with trace vfgr eu py.	18	< 0.2	9	225	78	< 2	92
B181304	2020-06-19T13:49:24-04:00	5587796.259	658701.6654	mineralized gabbro w trace vfgr eu py + sphalerite. 5m east of B181303	AG-20-074		Andrew Graba	Outcrop	Gabbro	Medium (1mm - 5mm)	Green-Grey	Foliated	Pyrite	Sphalerite		0.5		Moderate	Weak	Pervasive	Pervasive	Chlorite	Silica	Weak	Foliated	mineralized gabbro w trace vfgr eu py + sphalerite. 5m east of B181303	14	< 0.2	16	151	88	< 2	89
B181305	2020-06-19T13:59:28-04:00	5587787.886	658712.9257	foliated mafic tuff. trace py in local qtz-carb vnts	AG-20-073		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Drk Grey	Foliated	Pyrite			0.1	Vein Fill	Moderate		Pervasive		Chlorite		Moderate	Foliated	mafic volcanic w trace py	18	< 0.2	9	176	79	7	115
B181306	2020-06-19T14:08:39-04:00	5587777.886	658759.4478	historic test pit. grabbed float from side. mafic volcanic with 10% diss vfgr py	AG-20-070		Andrew Graba	Float	Basalt	Fine (<1mm)	Grey	Massive	Pyrite			10	Disseminated	Moderate		Pervasive		Chlorite				mafic volcanic w 10% vfgr py	32	0.3	40	196	97	4	144
B181307	2020-06-19T14:26:32-04:00	5587758.724	658733.5204	flipped tree along cliff. qtz-ser-chl schist w 2% mgr eu py	AG-20-076		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)			Pyrite			2	Disseminated	Strong	Moderate	Pervasive	Pervasive	Sericite	Silica	Moderate	Foliated	qtz-ser-chl schist (int-mafic tuff) w 2% mgr eu py	< 5	< 0.2	4	21	5	7	70
B181308	2020-06-19T14:37:24-04:00	5587753.814	658721.3715	mafic tuff with 1-2cm wide rusty qtz vning	AG-20-066		Andrew Graba	Outcrop	Mafic Volcanic				Pyrite			2	Disseminated	Moderate	Weak	Pervasive	Pervasive	Chlorite	Sericite	Moderate	Foliated	mafic tuff with 1-2cm wide rusty qtz vning	18	< 0.2	63	121	33	< 2	114
B181309	2020-06-19T14:55:47-04:00	5587773.441	658753.5215	qtz-ser schist w local str fucshite and trace py	AG-20-071		Andrew Graba	Outcrop	Felsic Volcanic	Aphanitic	Green-Grey	Foliated	Pyrite			0.5	Disseminated	Moderate	Moderate	Pervasive	Patchy	Sericite	Fucshite	Moderate	Foliated	qtz-ser schist w local str fucshite and trace py	< 5	0.2	29	154	9	13	61
B181310				BLANK																							< 5	< 0.2	< 2	1	< 1	< 2	< 2
B181311	2020-06-20T09:34:00-04:00	5587651.056	660655.5862	magnetite iron formation with few local thin qtz vns. 2% vfgr fracture controlled py	AG-20-078		Andrew Graba	Outcrop	Iron Formation	Fine (<1mm)	Drk Grey	Banded	Pyrite			2	Fracture-Fill	Weak		Fracture-Fill		Silica		Moderate	Foliated	iron formation sample (with a bit of mafic tuff). 2% vfgr FC py	< 5	< 0.2	< 2	100	28	6	51
B181312	2020-06-20T09:47:16-04:00	5587634.164	660655.2906	continuation of hill from outcrop AG-20-078. mafic tuff w 2% FC py	AG-20-078		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Drk Grey	Foliated	Pyrite			2	Fracture-Fill	Weak		Pervasive		Chlorite		Moderate	Foliated	continuation of hill from outcrop AG-20-078. mafic tuff w 2% FC py	< 5	< 0.2	4	52	46	10	54
B181313	2020-06-20T10:10:52-04:00	5587604.234	660665.0698	foliated mafic tuff w 7% diss eu py + trace sphalerite	AG-20-079		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Drk Grey	Foliated	Pyrite	Sphalerite		7	Disseminated	Moderate		Pervasive		Chlorite		Moderate	Foliated	foliated mafic tuff w 7% diss eu py + trace sphalerite	< 5	< 0.2	22	48	39	9	61
B181314	2020-06-20T10:37:02-04:00	5587552.868	660680.1832	foliated mafic tuff w 15% vfgr-fgr diss py	AG-20-080		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Drk Brown	Foliated	Pyrite			15	Disseminated	Strong	Moderate	Pervasive	Pervasive	Chlorite	Carbonate	Strong	Foliated	foliated mafic tuff w 15% vfgr-fgr diss py	< 5	< 0.2	12	84	48	7	58
B181315	2020-06-20T10:43:47-04:00	5587539.632	660684.9246	mafic tuff with up to 25% FC massive sulphide (py). sample is locally veined with thin qtz vnts (<0.5cm thick)	AG-20-080		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Drk Brown	Foliated	Pyrite			20	Disseminated	Moderate	Moderate	Pervasive	Fracture-fill	Chlorite	Silica	Strong	Foliated	mafic tuff with up to 25% FC massive sulphide (py). sample is locally veined with thin qtz vnts (<0.5cm thick)	5	< 0.2	36	33	30	4	57
B181316	2020-06-20T11:19:41-04:00	5587735.809	660698.8469	qtz vn + mafic tuff. moderate chl + weak local ser. continuation of structure AG-20-077a. sample is slightly rusted	AG-20-077		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Green-Grey	Foliated						Moderate	Weak	Pervasive	Pervasive	Chlorite	Sericite	Strong	Foliated	qtz vn + mafic tuff. moderate chl + weak local ser. continuation of structure AG-20-077a. sample is slightly rusted	< 5	< 0.2	3	9	30	5	128
B181317	2020-06-20T13:23:16-04:00	5588627.785	658489.1864	foliated mafic volcanics with one glassy qtz vn 1cm thick	AG-20-082		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Drk Grey	Foliated						Weak		Pervasive		Chlorite		Moderate	Foliated	foliated mafic volcanics with one glassy qtz vn 1cm thick	14	< 0.2	3	150	34	< 2	40
B181318	2020-06-20T13:54:01-04:00	5588537.105	658570.9722	mafic flow w trace py in 1mm carb vnts	AG-20-083		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Drk Grey	Massive	Pyrite			0.5	Fracture-Fill							Not Present		mafic flow w trace py in 1mm carb vnts	< 5	< 0.2	4	38	55	< 2	44
B181319	2020-06-20T14:50:27-04:00	5587603.286	658662.0438	island. chl-ser schist with nice qtz-shear veining up to 10cm wide	AG-20-085		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Green-Grey	Foliated						Strong	Moderate	Pervasive	Pervasive	Chlorite	Sericite	Strong	Foliated		22	< 0.2	7	40	179	15	60
B181320	2020-06-20T15:03:34-04:00	5587543.056	658721.7551	the A&S showing (Andrew & Scott). silicified chl-ser schist with 2% fgr py. mafic volcanic	AG-20-086		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Green-Grey	Foliated	Pyrite			2	Disseminated	Strong	Moderate	Pervasive	Pervasive	Chlorite	Sericite	Strong	Foliated	the A&S showing (Andrew & Scott). silicified chl-ser schist with 2% fgr py. mafic volcanic	< 5	< 0.2	21	48	49	6	64
B181321	2020-06-22T09:13:55-04:00	5585891.553	655520.8729	foliated mafic volcanics with thin qtz-carb shear veining conformable to fabric and 1% vfgr py.	AG-20-087		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Drk Grey	Foliated	Pyrite			1	Disseminated	Moderate	Weak	Pervasive	Pervasive	Chlorite	Carbonate	Strong	Foliated	foliated mafic volcanics with thin qtz-carb shear veining conformable to fabric and 1% vfgr py.	102	0.3	15	156	78	3	58
B181322	2020-06-22T09:29:14-04:00	5585902.53	655522.7626	wkly foliated mafic volcanics with local qtz-carb vn 0.5cm thick. bt-chl schist	AG-20-087		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Drk Grey	Foliated						Moderate	Moderate	Pervasive	Pervasive	Chlorite	Carbonate	Weak	Foliated	wkly foliated mafic volcanics with local qtz-carb vn 0.5cm thick. bt-chl schist	47	< 0.2	12	73	42	7	27
B181323	2020-06-22T09:41:13-04:00	5585909.685	655518.36	mafic volcanics with thin qtz-carb vnts and trace FC py.	AG-20-087		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Drk Grey	Massive	Pyrite			1	Disseminated	Weak	Weak	Pervasive	Pervasive	Chlorite	Carbonate	Not Present		mafic volcanics with thin qtz-carb vnts and trace FC py.	6	< 0.2	2	132	57	5	50
B181324	2020-06-22T11:40:49-04:00	5586077.602	655933.213	magnetitie iron formation float with 5% FC py and trace sphalerite	AG-20-094		Andrew Graba	Float	Iron Formation	Fine (<1mm)	Drk Grey	Banded	Pyrite			5	Fracture-Fill									magnetitie iron formation float with 5% FC py and trace sphalerite	< 5	< 0.2	2	8	10	< 2	5
B181325	2020-06-22T11:50:31-04:00	5586067.653	655941.6801	granitic float with trace py	AG-20-094		Andrew Graba	Float	Granite	Medium (1mm - 5mm)	Light Grey	Massive	Pyrite			0.5	Disseminated									granitic float with trace py	< 5	< 0.2	< 2	8	12	< 2	45
B181326	2020-06-22T12:17:33-04:00	5586094.324	655956.0729	foliated mafic volcanics (chl-bt schist) with local irreg qtz vning and trace py	AG-20-026		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Drk Grey	Foliated	Pyrite			0.1	Disseminated							Strong	Foliated	foliated mafic volcanics (chl-bt schist) with local irreg qtz vning and trace py	344	0.3	32	247	63	< 2	70
B181327	2020-06-22T12:36:35-04:00	5586091.572	655949.9346	bull qtz vn up to 12cm thick parallel to foliation. boudinaged and discontinuous	AG-20-095		Andrew Graba	Outcrop	Quartz Vein	Aphanitic	White	Massive												Strong	Sheared	bull qtz vn	112	< 0.2	3	30	5	8	< 2
B181328	2020-06-22T12:41:19-04:00	5586091.572	655949.9346	pyritized and silicifed mafic volcanic wall-rock adjacent to B181327. 5% diss vfgr py carried in silica	AG-20-095		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Drk Grey	Foliated	Pyrite			5	Disseminated	Moderate	Moderate		Pervasive	Chlorite	Silica	Strong	Foliated	locally silicified mafic volcanics with 5% vfgr diss py	193	< 0.2	105	141	49	16	26
B181329	2020-06-22T13:31:02-04:00	5585973.877	655693.3943	silicified mafic volcanics with 10% py from Hoey trench	AG-20-097		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Drk Grey	Foliated	Pyrite			10	Disseminated	Moderate	Moderate	Pervasive	Pervasive	Chlorite	Silica	Moderate	Foliated	silicified mafic volcanics with 10% py from Hoey trench	8	0.2	41	149	56	48	137
B181330				BLANK																							6	0.2	39	125	49	6	59
B181331	2020-06-22T13:49:57-04:00	5585967.95	655695.0876	mafic volcanics with local glassy qtz vnt 1cm thick with 2% vfgr py along margin	AG-20-097		Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Drk Grey	Foliated	Pyrite			2	Fracture-Fill	Moderate	Moderate	Pervasive	Pervasive	Chlorite	Silica	Moderate	Foliated	mafic volcanics with local glassy qtz vnt 1cm thick with 2% vfgr py along margin	8	< 0.2	24	152	103	< 2	100
B181332	2020-06-22T15:25:05-04:00	5587452.8	656882.8764				Andrew Graba	Outcrop	Mafic Volcanic	Fine (<1mm)	Drk Green	Foliated															< 5	< 0.2	< 2	5	13	< 2	7
B181333	2020-06-23T10:31:12-04:00	5587887.235	658882.1207	qtz ser schist w 2% fgr py in silica	AG-20-102		Andrew Graba	Outcrop	Felsic Volcanic	Aphanitic	Light Grey	Foliated	Pyrite			2		Strong	Strong	Pervasive	Pervasive	Sericite	Silica	Strong	Foliated		< 5	< 0.2	3	18	4	13	58
B181334	2020-06-23T12:06:05-04:00	5585697.685	654895.5384	qtz-ser schist with local qtz shear veining 2cm thick	AG-20-104		Andrew Graba	Outcrop	Felsic Volcanic	Fine (<1mm)	Light Grey							Strong	Strong	Pervasive	Pervasive	Sericite	Silica	Strong	Sheared	qtz-ser schist with local qtz shear veining 2cm thick	< 5	< 0.2	5	4	178	4	55
A934501	2020-07-29T19:20:17-04:00	5587767	659610	10 cm suggary qtz vein, trace diss py, minor chlorite & vuggyness	Sidore Occurrence	July 29th	Harvey Conway	Float	Quartz Vein	Coarse (5mm - 3cm)	White	Massive	Pyrite			1	Disseminated	Weak		Pervasive		Chlorite				10 cm suggary qtz vein, trace diss py, minor chlorite & vuggyness	6890	4.5	539	9.8	7.1	3480	298

A934502	2020-07-29T19:58:51-04:00	5587762	659613		Sidore Occurrence	July 29th	Harvey Conway	Outcrop	Conglomerate	Medium (1mm - 5mm)	Light Brown to grey	Vuggy	Pyrite	Galena		Trace	Disseminated	Strong		Pervasive		Ankerite		Moderate	Sheared	15x10x8cm w/ suggary qtz stringers, trace diss py w/ possible galena, rusty vugs on fracture w/ ankerite	19200	12.8	889	15	7.1	5250	239
A934503	2020-07-29T20:17:13-04:00	5587763	659612		Sidore Occurrence	July 29th	Harvey Conway	Outcrop	Conglomerate	Medium (1mm - 5mm)	Light Brown to grey	Foliated						Strong	Weak	Pervasive	Fracture-fill	Ankerite	Chlorite	Strong	Mylonized	Mylonized conglomerate w/ 15% rusty ankerite & thin boudins of chlorite	15	<0.5	26	5.4	10.3	47	33.2
A934504	2020-07-29T20:38:27-04:00	5587776	659637		Sidore Occurrence	July 29th	Harvey Conway	Float	Quartz Vein	Coarse (5mm - 3cm)	White-Beige	Massive	Pyrite			1	Disseminated	Moderate		Vugs		Ankerite				Qtz float w/ trace diss py, vuggy with moderate ankerite	5	<0.5	603	1.5	7	14	11.2
A934505	2020-07-29T20:48:38-04:00	5587763	659617		Sidore Occurrence	July 29th	Harvey Conway	Float	Quartz Vein	Coarse (5mm - 3cm)	White-Beige	Massive	Pyrite	Galena		0.5	Disseminated	Moderate		Patchy		Ankerite				Suggary qtz vein float w/ patchy ankerite, trace diss py & possible galena?	250	<0.5	350	1.6	5.5	59	34.7
A934506	2020-07-29T21:00:56-04:00	5587760	659596		Sidore Occurrence	July 29th	Harvey Conway	Float	Quartz Vein	Coarse (5mm - 3cm)	White-Grey	Massive	Pyrite	Galena		0.5	Disseminated									Suggary float qtz vein from 10-15 cm vein, trace diss py & possible galena?	426	<0.5	787	0.7	6.5	163	39.4
A934507	2020-07-29T21:10:11-04:00	5587753	659584		Sidore Occurrence	July 29th	Harvey Conway	Outcrop	Conglomerate	Fine (<1mm)	Drk Brown to drk grey	Foliated	Pyrite			2	Disseminated	Moderate		Patchy		Ankerite		Strong	Mylonized	Fine-grained mylonized conglomerate, 2% diss py w/ patchy ankerite alt	147	<0.5	11	42.5	14.1	4	44
A934508	2020-07-30T11:15:32-04:00	5587721	659739	Well-foliated fine-grained conglomerate w/ 1.5cm granitic rounded clasts, 1% diss py, pervasive chlorite	Sidore East	July 30th	Harvey Conway	Outcrop	Conglomerate	Fine (<1mm)	Drk Green-drk grey	Foliated	Pyrite			1	Disseminated	Strong		Pervasive		Chlorite				Well-foliated fine-grained conglomerate w/ 1.5cm granitic rounded clasts, 1% diss py, pervasive chlorite	5	<0.5	22	76.1	94.9	5	100
A934509	2020-07-30T12:39:33-04:00	5587769	659816	Strained undifferentiated sediment (tuff?) showing strong foliation & suggary qt stringer (1-2cm & 5%), 5% ankerite & pervasive chorite	Sidore East	July 30th	Harvey Conway	Outcrop	Undifferentiated Sediment (Tuff?)	Fine (<1mm)	Brown-grey	Foliated						Strong	Moderate	Patchy		Chlorite	Ankerite	Strong	Foliated	Strained undifferentiated sediment (Tuff?) showing strong foliation & suggry qtz stringer (1-2 cm & 5%) , 5% ankerite & pervasive chlorite	3	<0.5	4	52.3	123	25	77.1
A934510	2020-07-30T15:27:56-04:00	5587810	659828	Fine-grained foliated conglomerate, mod. (5-10%) banded ankerite, weak shearing	Sidore East	July 30th	Harvey Conway	Outcrop	Conglomerate	Fine (<1mm)	Brown-grey	Foliated						Moderate		Patchy		Ankerite		Moderate		Fine-grained foliated conglomerate, mod. (5-10%) banded ankerite, weak shearing	9	<0.5	11	5.2	24.2	8	46.2
A934511	2020-07-30T16:51:16-04:00	5587821	659824	1-5cm massive anastomosing qtz vein (slightly vuggy), 10% patchy ankerite, possible malachite?	Sidore East	July 30th	Harvey Conway	Outcrop	Quartz Vein	Medium (1mm - 5mm)	White	Massive						Moderate		Patchy		Ankerite		Moderate		1-5cm massive anastomosing qtz vein (slightly vuggy), 10% patchy ankerite, possible malachite?	17	<0.5	86	411	6.9	28	9.2
A934512	2020-07-30T17:21:47-04:00	5587804	659813	5-7cm fine-grained massive suggary qtz vein, weak ankerite alt. (1-5%), bounded by siderite	Sidore East	July 30th	Harvey Conway	Outcrop	Quartz Vein	Fine (<1mm)	White	Massive						Weak		Patchy		Ankerite				5-7cm fine-grained massive suggary qtz vein, weak ankerite alt. (1-5%), bounded by siderite	10	<0.5	36	22.6	21	7	13.9
A934513	2020-07-31T11:33:39-04:00	5586514	656885	5-7cm massive qtz vein w/ barren appearence	AL20-013	July 31st	Harvey Conway	Outcrop	Quartz Vein	Coarse (5mm - 3cm)	White	Massive														5-7cm massive qtz vein w/ barren appearance	1	<0.5	6	3.5	16.5	4	32.3
A934514	2020-07-31T12:30:47-04:00	5586529	656922	Bull white massive qtz vein, vuggy texture noticeably increases towards the contact w/ mafic volcanic	AL20-016	July 31st	Harvey Conway	Outcrop	Quartz Vein	Coarse (5mm - 3cm)	White-Grey	Massive														Bull white massive qtz vein, vuggy texture noticeabely increases towards the contact w/ mafic volcanic	1	<0.5	7	11.1	10.5	4	10.3
A934515	2020-08-01T16:28:31-04:00	5586066	655956	Foliated fine-grained silicified mafic volcanic matrix w/ 1% diss py, pervasive chlorite, 20% suggary massive qtz vein	HC20-010	August 1st	Harvey Conway	Outcrop	Mafic volcanic & qtz vein	Fine (<1mm)	Drk Green-drk grey matrix, white vein	Massive & foliated	Pyrite			1	Disseminated							Moderate		Foliated fine-grained silicified mafic volcanic matrix w/ 1% diss py, pervasive chlorite, 20% suggary massive qtz vein	6	<0.5	61	50.3	138	2	47.1
A934516	2020-08-01T17:21:20-04:00	5586048	655927	Foliated very fine grained mafic volcanic, high silica & pervasive chlorite, significantly sheared, .5%-1% diss py	Hoey East	August 1st	Harvey Conway	Outcrop	Mafic Volcanic	Fine (<1mm)	Drk Green-drk grey	Foliated	Pyrite			.5 - 1	Disseminated	Moderate		Pervasive		Chlorite		Moderate	Sheared	Foliated very fine-grained mafic volcanic, high silica & pervasive chlorite, significantly sheared, .5-1% diss py	36	<0.5	23	71.1	110	5	76.5
A934517	2020-08-01T21:28:17-04:00	5586007	655861	20% mafic volcanic w/ 1-2% diss py, 80% rusty qtz vein, suggary in areas, minor sulphides	Hoey East	August 1st	Harvey Conway	Outcrop	Mafic volcanic - Quartz Vein	Medium (1mm - 5mm)	White-Rusty	Massive	Pyrite			02-Jan	Disseminated									20% mafic volcanic w/ 1-2% diss py, 80% rusty qtz vein, suggary in areas, minor sulphides	317	2.4	7	77.5	19.2	74	41.4
A934518	2020-08-02T11:31:17-04:00	5586008	655852	Foliated silicified very fine grained mafic volcanic (60%) w/ pervasive chlorite & trace-0.5% diss py, massive white qtz veinlets (40%) w/ 1% diss py	Hoey Middle	August 2nd	Harvey Conway	Outcrop	Mafic volcanic & qtz vein	Fine (<1mm)	Drk Green-drk grey	Foliated	Pyrite			1	Disseminated	Moderate		Pervasive		Chlorite		Moderate		Foliated silicified very fine grained mafic volcanic (60%) w/ pervasive chlorite & trace-.5% diss py, massive white qtz veinlets (40%) w/ 1% diss py	8	<0.5	8	96.1	73.6	5	91.7
A934519	2020-08-02T12:33:07-04:00	5586123	655757	Possible chill margin? between felsic intrusive & mafic volcanic, completely silicified, .5-1% diss py	AL20-026	August 2nd	Harvey Conway	Outcrop	Mafic Volcanic	Fine (<1mm)	Light grey - drk grey	Foliated	Pyrite			.5 - 1	Disseminated	Strong		Pervasive		Silica		Moderate		Possible chill margin between felsic intrusive & mafic volcanic, completely silicified, mafic volcanic .5-1% diss py	13	<0.5	28	141	34.5	<1	14.8
A934521	2020-08-02T15:44:42-04:00	5585861	655533	Weakly sheared silicified mafic volcanic w/ pervasive chlorite (40%), 0.5-2cm massive (suggary in places) qtz vein cross cutting mafic volcanic (60%)	Hoey West	August 2nd	Harvey Conway	Outcrop	Mafic Volcanic	Fine (<1mm)	Green	Massive & foliated						Strong		Pervasive		Chlorite		Moderate		Weakly sheared silicified mafic volcanic w/ pervasive chlorite (40%), 0.5-2cm massive (suggary in places) qtz vein cross cutting mafic volcanic (60%)	13	<0.5	9	30.3	34	6	25.1
A934522	2020-08-02T16:49:30-04:00	5585859	655461	Foliated weakly silicified very fine grained mafic volcanic w/ pervasive chlorite, trace diss py	AL20-029	August 2nd	Harvey Conway	Outcrop	Mafic Volcanic	Fine (<1mm)	Green-Grey	Foliated	Pyrite			Trace		Moderate		Pervasive		Chlorite		Moderate		Foliated weakly silicified very fine grained mafic volcanic w/ pervasive chlorite, trace diss py	20	<0.5	12	77.4	103	10	74
A934523	2020-08-02T17:15:11-04:00	5585837	655430	Foliated weakly strained very fine grained silicified mafic volcanic, pervasive chlorite, trace diss py	Hoey West	August 2nd	Harvey Conway	Outcrop	Mafic Volcanic	Fine (<1mm)	Drk Green-drk grey	Foliated	Pyrite			Trace	Disseminated	Strong		Pervasive		Chlorite		Moderate		Foliated weakly strained very fine grained silicified mafic volcanic, pervasive chlorite, trace diss py	22	<0.5	2	119	116	8	83.2