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THUNDER BAY, ONTARIO

ASSESSMENT REPORT – 2019 – DIAMOND DRILLING

PANAMA LAKE PROPERTY

NAD 1983 UTM Zone 15N

(0525034E/5645241N)

SLATE LAKE AREA

RED LAKE MINING DISTRICT

ONTARIO

Prepared By

J. Vrzovski

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1. Introduction

This report was prepared to summarize the exploration work completed by Benton Resources on the 100% owned Panama Lake Property. The Panama Lake property is comprised of 70 contiguous claims covering an area 75 km², with claims encompassing the Ben Lake, Panama Lake and Slate Lake areas. This report is being submitted to the Ministry of Northern Development and Mines (MNDM) for assessment credit. Drilling of 1430 m, completed between January 14th, 2019 and March 10th, 2019 incurred expenditures of \$377,240, which are being submitted for assessment credit. Project was supervised by Nathan Sims (P.Geo).

2. Property Description and Location

The Panama Lake property is in north-western Ontario, centered around the coordinates 0525034E/5645241N (NAD83, Zone 15N). The property lies 85 km east of the town of Red Lake and 55 km north-east of the town of Ear Falls (Figure 1). The claims lie within both the Slate Lake area and the Bowerman township. The property can be accessed by road, off Highway 105 from Ear Falls by taking the Wenesaga road (58 km) up to the Ben Rd (10 km) and then following the Bob road (11 km) into the property. The Panama zone can be directly accessed by a 4 km bush road that can be accessed using ATV, snowmobile or pickup truck with 4x4.

The physiography of the area is typical of north-western Ontario mature Boreal-type forest - consisting of black spruce, poplar, birch, jack pine and balsam - covering previously glaciated terrane (Figure 2). Low-lying ridges surrounded by muskeg, marshes and abundant lakes, bedrock outcrop is scarce and can range from 5-10% abundant throughout the area. Glacial till and moraines cover the area and can be meters thick in some areas. The property area lies at 350-400 m above mean sea level and displays a climate typical of Boreal-type forests with temperatures ranging from +30°C in summer months (June – August) and can drop as far as -40°C in winter months (December – March).

The property area has a history of logging activity resulting in patches of deforested areas that have been replanted with conifer seedlings. Active logging still occurs throughout the region feeding the lumber mill in Ear Falls. Nearest power infrastructure to the property lies 28 km to the west along the South Bay road where power lines serviced the old South Bay mine. Ontario Power Generation is also active in

the region with a hydro-electric generating station situated on the English River in Ear Falls.

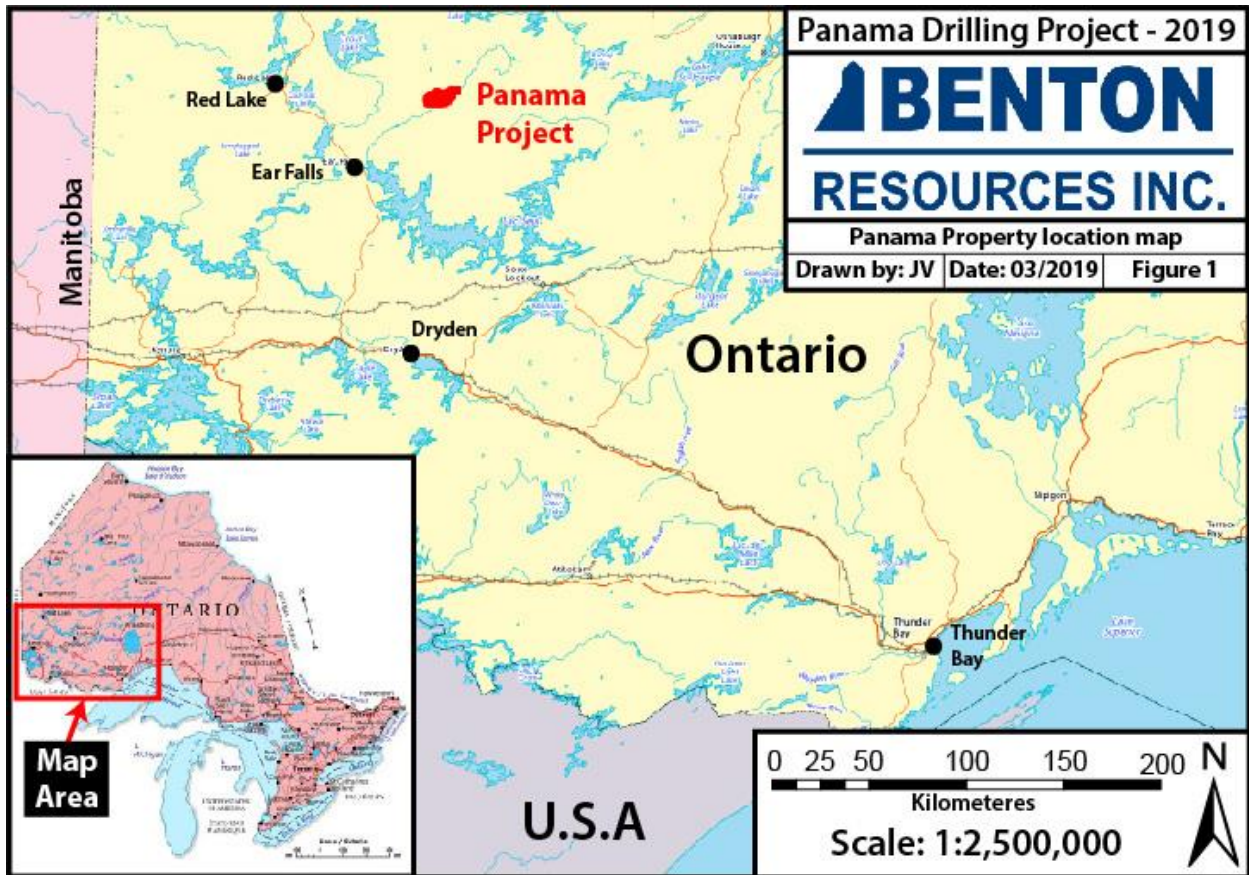


Figure 1: Panama Property location map

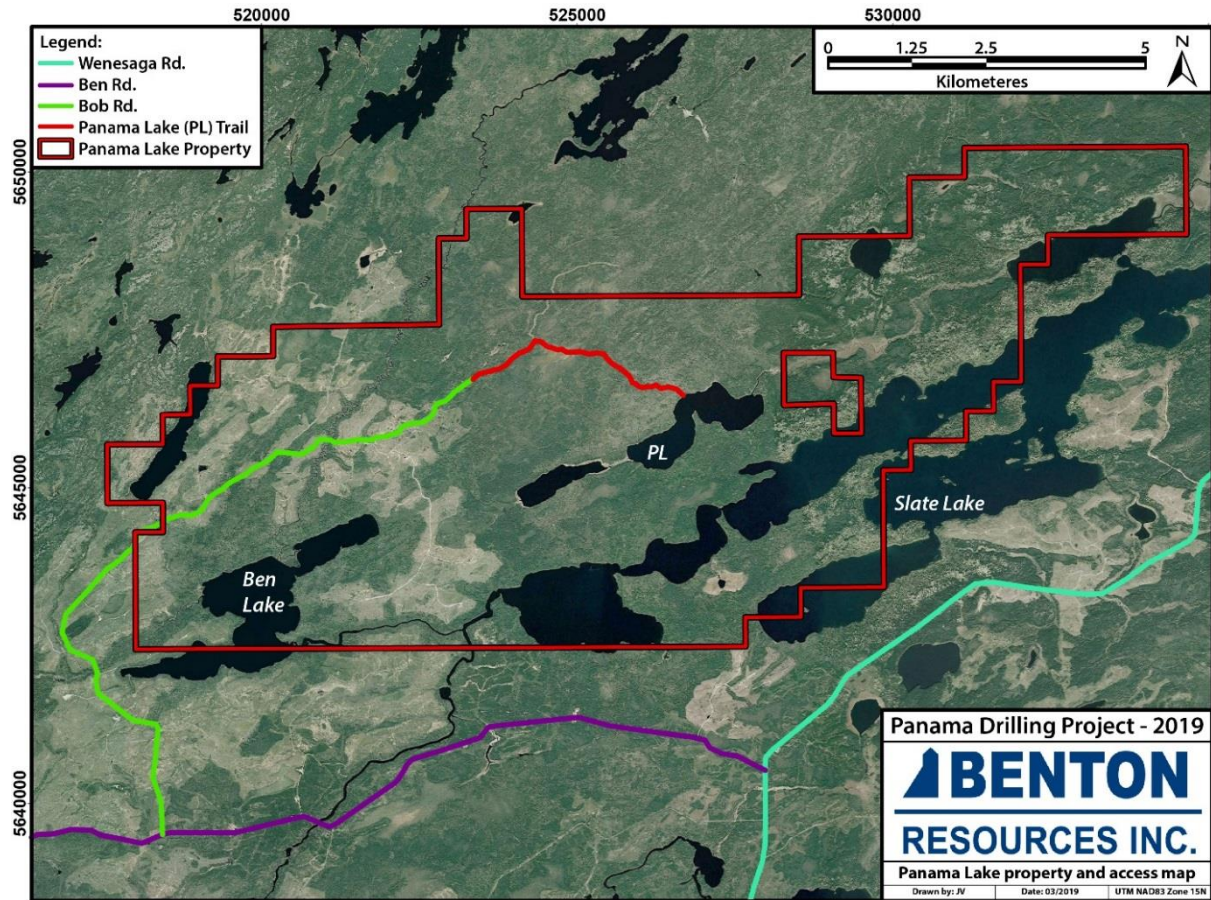


Figure 2: Satellite image of Panama Lake property, with highlighted access roads

3. Claim Status

The property consists of 70 claims of various sizes totaling 370 units covering 74 square kilometers (7, 400 hectares; Figure 3). All the mineral claims lie within the Red Lake Mining Division and encompass area in the Slate Lake Area and the Bowerman Township. The Panama Lake property is 100% controlled by Benton Resources Inc., all claims are in good standing. All claims and ownership are summarized in Table 1.

Table 1: Panama property claims

Claim Number	Township / Area	Recorded Holder	Percent Option	Claim Units	Due Date
107501	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
107586	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
107587	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
107588	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
107994	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
123504	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
123505	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19

Claim Number	Township / Area	Recorded Holder	Percent Option	Claim Units	Due Date
123506	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
125449	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
128106	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
136230	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
136231	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
137444	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
137445	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
140149	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
141546	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
141547	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
141548	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
141549	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
142255	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
142256	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
180708	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
182148	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
182149	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
188211	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
192164	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
199695	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
200897	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
200898	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
218811	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
236003	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
236859	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
236860	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
254269	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
254270	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
283297	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
283298	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
284010	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
287449	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
291348	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
292080	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
292081	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
292082	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
292760	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
305422	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
305423	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
305424	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
305425	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19

Claim Number	Township / Area	Recorded Holder	Percent Option	Claim Units	Due Date
312177	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
320173	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
320174	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
335743	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
342242	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
343664	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
343665	SLATE LAKE AREA	Benton Resources Inc.	100%	1	05-Jul-19
546426	SLATE LAKE AREA	Benton Resources Inc.	100%	24	25-Aug-20
546431	SLATE LAKE AREA	Benton Resources Inc.	100%	21	25-Aug-20
546432	SLATE LAKE AREA	Benton Resources Inc.	100%	23	25-Aug-20
546433	SLATE LAKE AREA	Benton Resources Inc.	100%	8	25-Aug-20
546434	SLATE LAKE AREA	Benton Resources Inc.	100%	20	25-Aug-20
546438	SLATE LAKE AREA	Benton Resources Inc.	100%	25	25-Aug-20
546439	SLATE LAKE AREA	Benton Resources Inc.	100%	23	25-Aug-20
546440	BOWERMAN,SLATE LAKE AREA	Benton Resources Inc.	100%	20	28-Sep-20
546441	BOWERMAN,SLATE LAKE AREA	Benton Resources Inc.	100%	25	25-Aug-20
546442	BOWERMAN,SLATE LAKE AREA	Benton Resources Inc.	100%	25	25-Aug-20
546443	SLATE LAKE AREA	Benton Resources Inc.	100%	16	25-Aug-20
546444	BOWERMAN	Benton Resources Inc.	100%	25	28-Sep-20
546445	BOWERMAN	Benton Resources Inc.	100%	25	13-Sep-20
546446	BOWERMAN	Benton Resources Inc.	100%	19	28-Sep-20
546447	BOWERMAN	Benton Resources Inc.	100%	16	28-Sep-20

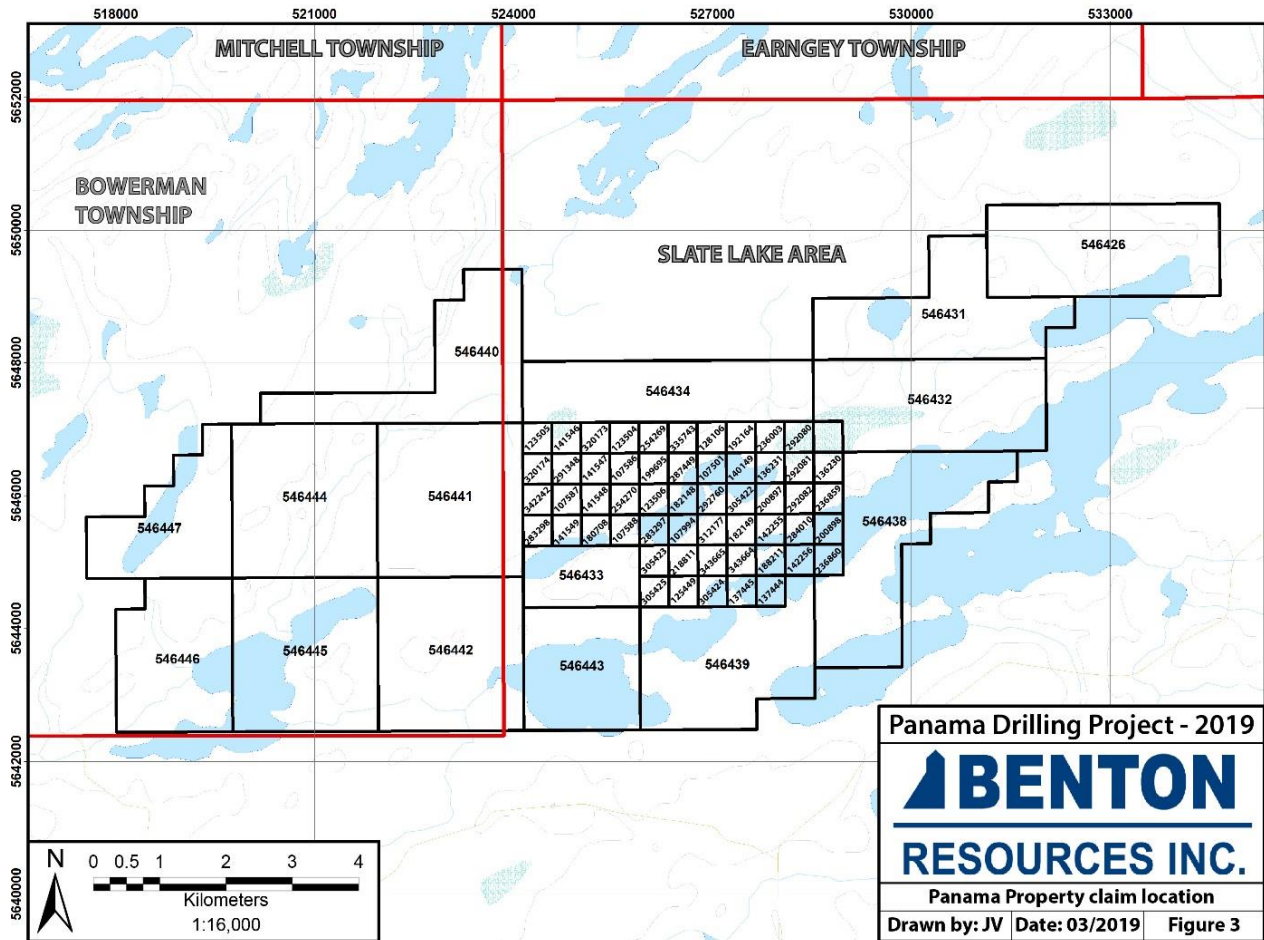


Figure 3: Panama Lake property claims map

4. History

The Panama Property is situated within the Birch-Confederation-Uchi Lake Areas which has a history of mineral production and exploration. The property is adjacent to the prolific Red Lake gold camp, which was discovered in the 1920s and led to a rush in staking and exploration throughout the district. There were several gold occurrences found and prospected during the 30s and 40s, with nine mines producing about a quarter of a million ounces of gold from 1928 – 1966. The area has also had a past-producing iron ore operation with the Griffith mine operating from 1968 to 1986. As well as base metal production with Selco Mining Corp. operating the South Bay Cu-Zn mine from 1971-1981.

Property work history:

The Panama Lake property has been explored in different areas and capacities throughout the last 50 years. The property hosts high potential for economic mineralization with the north-shore of Panama Lake and the area surrounding Ben Lake being highly prospective for gold mineralization and the Slate Lake area displaying potential for base and precious metal occurrences. Historic work conducted on these three areas is summarized below.

1939: Mapping conducted in the district by Ontario government geologist Bateman.

1945 to 1946: Pemican Mines Ltd. performed surface work and reportedly 1500 feet of diamond drilling in 1946. Drilling returned nothing prospective.

1960: A joint ODM-GSC aeromagnetic survey of the area was published.

1969 to 1970: Armore Mines Ltd. contracted Shield Geophysics Ltd. to conduct a geological and electromagnetic survey in the Ben Lake area to investigate potential base metal mineralization. Survey identified a number of weak north-east striking conductors, mainly located on the north-west shore of Ben Lake.

1977 to 1980: St. Joseph Exploration Ltd. conducted a ground geophysical survey consisting of HLEM and magnetometer surveys in the Slate Lake area. Mapping was carried out following the survey in order to investigate the anomalies. Follow-up drilling consisting of two diamond drill holes was performed to test the HLEM anomalies, no significant mineralization was intersected.

1980: Area mapped by Ontario government geologist Bowen (Preliminary Map P.1200).

1986 to 1988: Noranda Exploration Company staked land around Panama Lake property, following anomalous gold values returned from samples from historic trenches. Detailed mapping, humus sampling, magnetometer and VLF surveys were conducted to test the occurrence and extent of gold mineralization. In January, 1988 an 8-hole (953 m) diamond drill program was conducted to test a quartz-flooded shear zone along strike and at depth. Anomalous gold values were noted from the program, no follow up work was conducted.

1991 to 1992: GSC collects till samples in Red Lake and Confederation Lake areas, identifies 107 pristine gold grains in sample along the shore of Slate Lake.

1994 to 1996: Cumberland Resources Ltd. performed geological reconnaissance in the Slate Lake area during the summer of 1994 and identified favorable VMS hosting stratigraphy. The geological groundwork was followed up by a single diamond drill hole, to the east of Panama Lake, that intersected a 9 cm wide horizon of Zn-rich massive sulphide. No follow-up work was conducted.

2008 to 2010: Metals Creek Resources conducted a line cutting and a total field magnetic survey (9.79 line kilometers) over the main Panama Lake occurrence. In 2010 Metals Creek contracted Ray Meikle and Associates out of North Bay, ON to conduct an IP survey along the previously cut lines from 2008. Ground prospecting consisting of transect sampling was also conducted on the property in 2010 and returned gold anomalous assay results from historic trenches.

2011: Mount Morgan Resources was contracted by Mainstream Minerals Corp. and performed a soil geochemical survey in the Slate Lake area. Several multi-element anomalies were identified on the property; however, no follow up work was conducted.

2012 to 2013: In 2012 Clark Exploration Consulting Inc. completed a soil sampling program in the Ben Lake area on behalf of Goldcorp Red Lake Gold Mines. The 2012 work was followed up in 2013 by a field mapping, geochemical sampling and soil sampling program to locate prospective areas. Also completed in 2013 was a ground magnetic field survey conducted by Abitibi Geophysics for Goldcorp. A total of 640.7 km of magnetic surveying was completed across the property. No follow-up work was ever completed on the area.

5. Regional Geology

The Panama Lake property is situated within the Red Lake Mining District, which is underlain by Archean rocks comprising the Red Lake and the Birch-Uchi greenstone belts. The Red Lake and Birch-Uchi greenstone belt are located in the western end of the Uchi Domain of the larger Superior Province that comprises the bulk of the Canadian shield (Figure 4). These belts are dominantly north-east trending and are mainly comprised of mafic to felsic metavolcanics rocks intercalated with metasedimentary rocks (Figure 5). The supracrustal rocks have been surrounded on all sides by intrusions of various ages and composition. The metamorphic grade throughout these belts can vary from greenschist up to amphibolite facies and rocks can locally undergo varying degrees of alteration such as carbonatization, silicification, sericitization and chloritization.

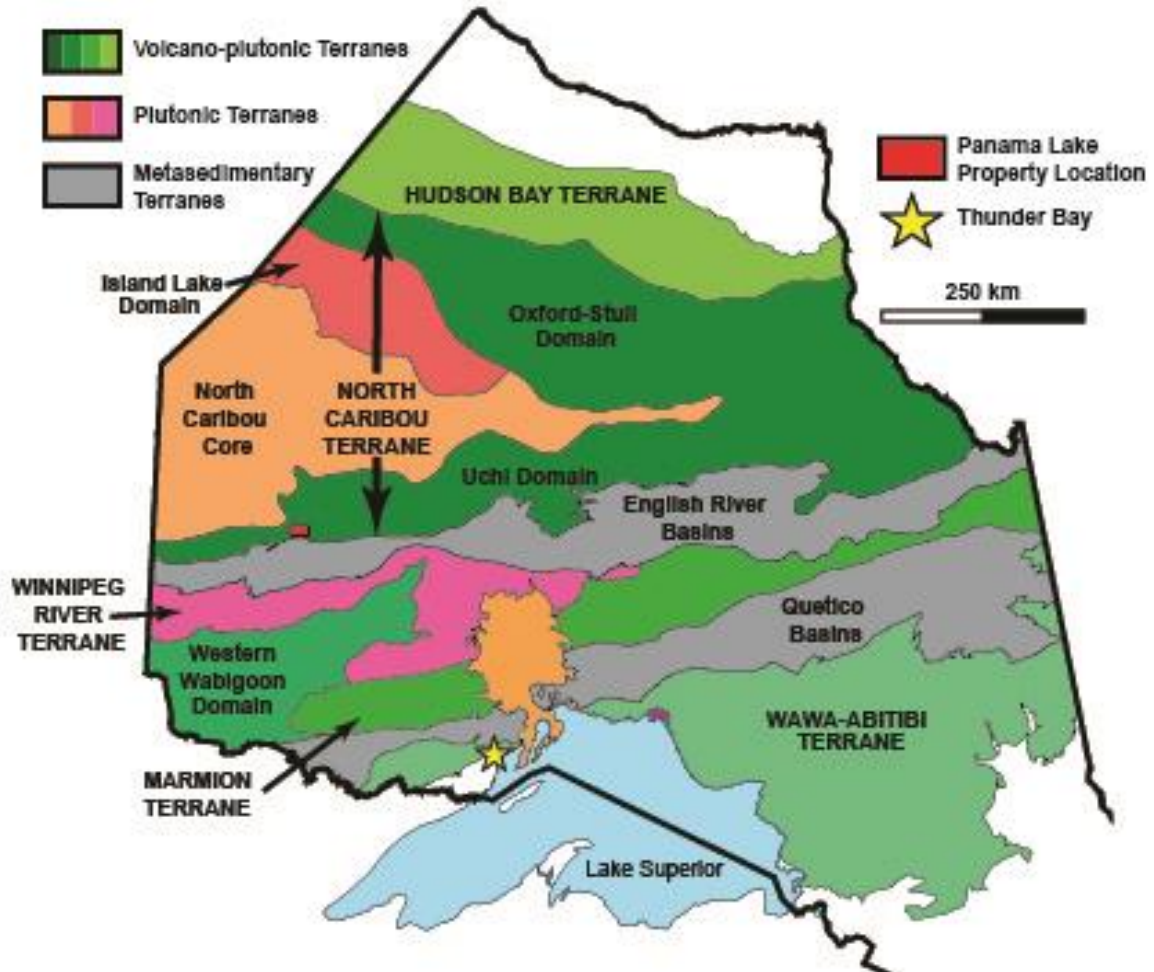


Figure 4: Panama Property location map within the Superior Province (after Stott, 2010).

The metavolcanic rocks comprising the Red lake and Birch-Uchi greenstone belts have been subdivided into three main assemblages based on geochronology, geochemistry and field relationships. These assemblages are the Balmer assemblage (3000 – 2940 Ma), the Woman assemblages (2900 – 2894 Ma) and the Confederation assemblage (2800 – 2730 Ma). The Balmer assemblage is dominated by tholeiitic mafic to ultramafic rocks and hosts the majority of the gold mineralization within the Red Lake greenstone belt. The Balmer assemblage is only found within a north-western area of the Birch-Uchi greenstone belt. The presence of the Woman assemblage within the Birch-Uchi greenstone belt has been debated but could exist as a sliver in north-eastern part of the belt. The Confederation assemblage which makes up the southern flank of the Red Lake greenstone belt and the bulk of the Birch-Uchi greenstone has been characterized as being composed of dominantly calc-alkaline mafic volcanic rocks intercalated with variable amounts of felsic volcanic sequences.

The Confederation assemblage is the widest spread assemblage within the Birch-Uchi greenstone belt and is comprised of three-cycles of metavolcanic-metasedimentary rocks. Cycle-I begins with tholeiitic suite, pillowed basalts and andesite flows that are overlain by felsic to intermediate to pyroclastic rocks and minor flows that get capped by thin iron formation and marble units. Cycle-II consist of calc-alkaline volcanic sequences deposited on-top of Cycle-I during early caldera development. Cycle-III consists of volcanic flows produced by resurgent volcanism and also hosts hypabyssal felsic intrusions. Cycle-III also hosts the past-producing South Bay Cu-Zn-Ag VMS deposit that produced 1.6 million tons of ore with an average grade of 11% Zn, 2% Cu and 2.12 ounces per ton of Ag. The physical and geochemical characteristics of the volcanic sequences that comprise the Confederation assemblage have led to the interpretation that it represents a back-arc-like sequence. Regionally the general structural trend of the rocks is east to north-east, with the metavolcanics rock cycles folded into a north-trending syncline that has cycle-III at its core. The metamorphic grade for most of the sequences ranges from low greenschist up to middle amphibolite facies.

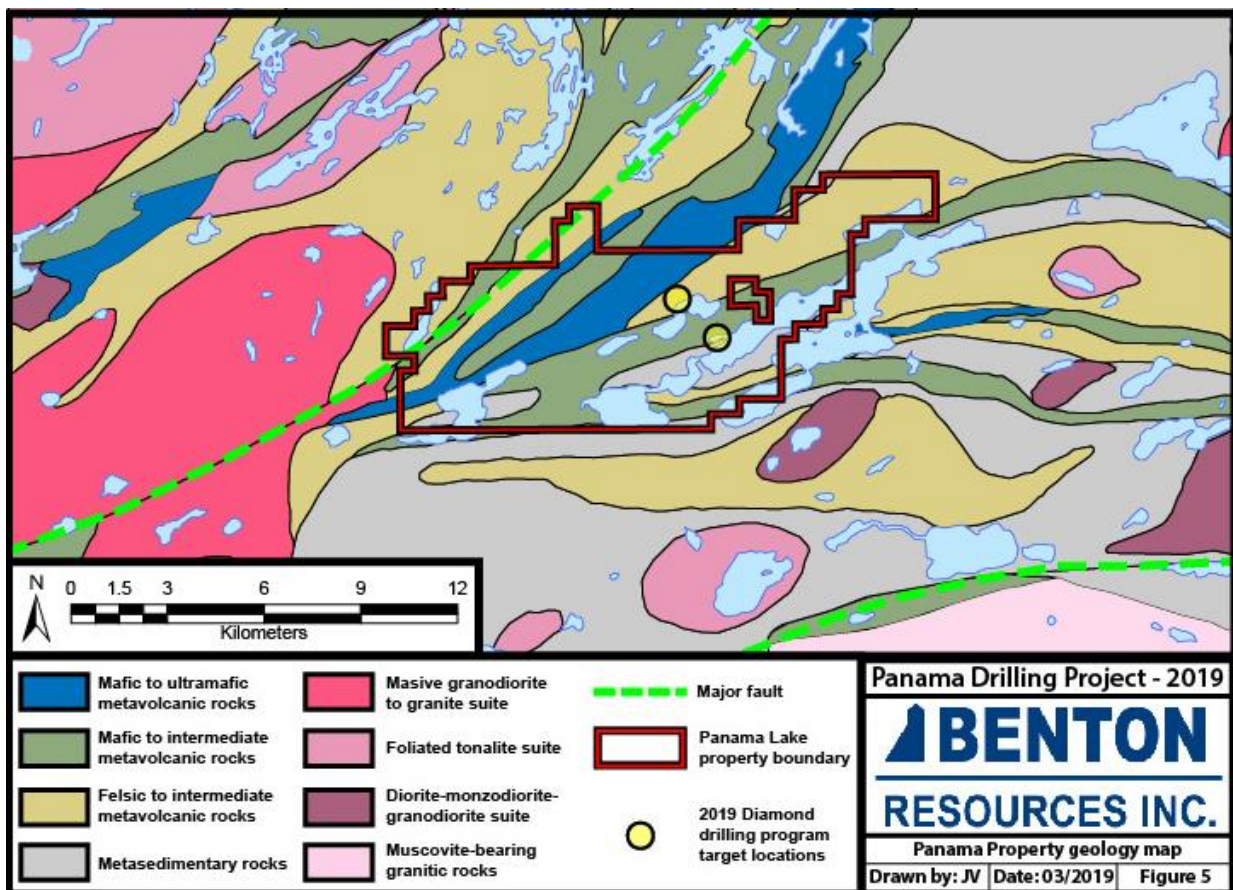


Figure 5: Simplified Panama Lake property geology map.

6. Property Geology and Mineralization

The Panama Lake property displays two different styles of mineralization hosted in two different sequences of geology. The Panama zone located on the north-side of Panama Lake, displays geology and mineralization more typical of orogenic gold deposits. The geology and mineralization encountered on Slate Lake displays characteristics (i.e., stratigraphy and alteration) more akin to VMS type deposits. Due to the differences observed between the two areas they will be discussed separately.

Mineralization at the Panama zone is hosted within a silicified shear zone that sits along the contact between intermediate metavolcanic flows and pyroclastics, argillaceous metasedimentary rocks and mafic metavolcanic flows. Mineralization consists of cloudy-white to blue-grey quartz with variable amounts of fine-grained pyrite and tourmaline stringers hosted within a highly sheared argillite unit. Gold has been only found to occur within this silicified zone, with higher-grade gold occurring within massive quartz intervals.

The Au and base metal mineralization occurring at Slate Lake is hosted within a package of felsic volcanoclastic rocks that are interbedded with various metasedimentary rocks. Base metal mineralization primarily consists of pyrrhotite stringers and veins hosted with graphitic sediments and volcanoclastic units, it can be associated with variable degrees of sericitization, chloritization and silicification. Anomalous Au mineralization was found to occur within two zones in the Slate Lake area: (1) disseminated to blebby arsenopyrite associated with quartz stockwork veining and sericite alteration in a feldspar porphyry and (2) disseminated fine-grained arsenopyrite, pyrite and sphalerite hosted within variable silicified and sericite altered felsic volcanoclastic rocks that also contain pyrrhotite stringers.

7. Exploration Program

Exploration Drilling on the Panama Lake property commenced on January 14th, 2019 and was completed on March 10th, 2019. Over the course of that period, 1430 m were drilled in nine separate holes throughout the Panama lake property. Holes 01 – 07 were drilled on the north-shore of Panama Lake and were targeting a silicified shear zone, following up on anomalous Au values from Noranda Explorations 1989 drill program. Holes 08 – 09 were drilled on the north-shore of Slate Lake and were targeting Au prospective surface samples as well as an airborne mag anomaly. A summary of the holes drilled during the 2019 program are given in Table 2. Diamond drilling services

were provided by Rugged Aviation Incorporated for the duration of the project. Work was conducted under Exploration Permit PR-16-10849 as issued by the Ministry of Northern Development and Mines (MNDM). The highlights from the program are displayed in Table 3.

All core was logged and sampled at a warehouse facility in Ear Falls, ON. All samples were submitted to Activation Laboratories in Thunder Bay, Ontario. All samples were analyzed for Au using AA-fire assay (ActLabs analysis code: 1A2) and for select trace elements using ICP-OES (ActLabs analysis code: 1E3). Any samples grading >1,000 ppb Au were resubmitted for assay using gravimetric-fire assay (ActLabs analysis code: 1A3). Standards and blanks were submitted at consistent intervals intermixed with rock samples in order to ensure QA/QC of analyses. Results and Certificates of Assay are provided in Appendix II.

Table 2: Summary of drill holes

Drill Hole I.D.	Easting	Northing	Elevation (m)	Azimuth (°)	Dip (°)	Depth (m)	Date Started	Date Completed
PL-19-01	526616	5646512	400	320	-50	120	14-Jan-19	20-Jan-19
PL-19-02	526642	5646491	383	320	-50	165	20-Jan-19	27-Jan-19
PL-19-03	526641	5646547	388	320	-50	96	1-Feb-19	3-Feb-19
PL-19-04	526556	5646471	389	320	-50	123	4-Feb-19	6-Feb-19
PL-19-05A	526522	5646418	389	325	-50	42	6-Feb-19	7-Feb-19
PL-19-05B	526522	5646418	389	325	-45	103	8-Feb-19	10-Feb-19
PL-19-06	526496	5646379	389	325	-50	105	10-Feb-19	12-Feb-19
PL-19-07	526441	5646383	399	325	-50	210	21-Feb-19	24-Feb-19
PL-19-08	527970	5645194	390	350	-45	319	28-Feb-19	6-Mar-19
PL-19-09	527970	5645194	390	160	-45	147	7-Mar-19	9-Mar-19
						Total (m)	1430	

Table 3: Summary of notable results from 2019 Panama diamond drilling program

Hole		From (m)	To (m)	Interval (m)	Gold (g/t)
PL-19-01		79.6	87.2	7.6	1.58
PL-19-01	including	79.6	84.3	4.7	2.34
PL-19-02		148.5	155.0	6.5	1.23
PL-19-03		79.6	85.4	5.8	1.21
PL-19-03	including	82.4	84.4	2	2.55
PL-19-04		72.8	78.6	5.8	1.07
PL-19-04	including	75.8	78.6	2.8	1.67
PL-19-05B		77.5	93.6	16.1	0.57
PL-19-05B	including	89.0	91.0	2	2.07
PL-19-06		82.0	83.0	1	0.427
PL-19-07		35.4	36.4	1	0.563
PL-19-08		270.5	279.0	8.4	0.18
PL-19-09		100.0	102.0	2	0.425

8. Drilling Summary

The following section describes results of the drill program by providing a brief description of the geology and mineralization observed in each hole. Drill logs are included in Appendix I and Certificates of Assay in Appendix II.

Drill Hole PL-19-01: 120 m, 330° /-50°

PL-19-01 was the first hole of the 2019 program and was targeting, Au anomalous shear structure historically drilled by Noranda Exploration. This hole was also following up on Au anomalous surficial samples taken by Metals Creek. The hole intersected intermediate meta-volcaniclastic rocks ranging from tuffs to lapilli-tuffs that displayed a weak to moderate foliation, were un-altered and graded into a cohesive intermediate metavolcanic flow. A potassic altered shear zone was intersected from 65.4 and 69.4 and defines a contact between the relatively unaltered and undeformed intermediate metavolcanics rocks and altered and strongly deformed metasedimentary rocks.

Mineralization occurs within a silicified zone occurring from 78.6 – 87.2 m, along the boundary between a meta-gabbro unit and argillite units. Mineralization consists of silicified / quartz stringer zone that contains 3–5% blebby and disseminated pyrite that occurs within and surrounding the cloudy-white to blue-grey quartz. The hole then proceeds into intercalated argillite and sandstone units, that are strongly deformed and

can be variably altered. Gold assay values returned an intercept of 1.58 g/t Au over 7.6 m from 79.6 – 87.2 m within the silicified zone. This also included an intercept of 2.34 g/t Au over 4.7 m from within the same zone.

Drill Hole PL-19-02: 165 m, 330°/-50°

This hole stepped back south-east of PL-19-01 by 35 m to test the first intersection of mineralization at depth. Geology in this hole was similar to PL-19-01 starting in a sequence of intermediate meta-volcaniclastic rocks and grading into cohesive intermediate flows. A similar potassic altered shear was intersected from 141.0 – 144.9 m followed by altered intermediate metavolcanics rocks and then start of the silicified zone at 148.5 to 156.1 m. The intersected silicified zone in this hole contained a section of massive cloudy-white to blue-grey quartz at the start of the zone into silicified and mineralized sediments. Mineralization consists of 5-8% blebby to disseminated pyrite that occurs within and surrounding quartz. An intercept of 1.23 g/t Au over 6.5 m from 148.5 – 155.0 m was obtained from the mineralized zone in this hole.

Drill Hole PL-19-03: 96 m, 330°/-50°

This hole stepped north-east PL-19-01 by 40 m, in order to test the continuation of the silicified zone along strike. Similar geology to the first two holes starting with intermediate volcanoclastics and grading into intermediate flows. The shear structure with potassic alteration was intersected at 66.3 – 71.9 m which in the first two holes precedes the silicified zone. The silicified zone in this hole was intersected from 72.6 – 82.4 m and displayed similar characteristics to the first two holes. Mineralization consisted of 3-5% disseminated pyrite associated with silicified metasedimentary units. A 5.8 m interval of 1.21 g/t Au was intersected within the silicified zone from 72.8 – 78.6 m which included a 2.55 g/t Au intersection over 2 m. The hole then proceeded through deformed but unmineralized argillite with minor undeformed/unaltered intermediate dykes.

Drill Hole PL-19-04: 123 m, 330°/-50°

This hole stepped south-west of PL-19-01 by 70 m, again continuing to test the continuation of the mineralized silicified zone along strike. The hole collared in foliated intermediate volcanoclastics which graded into intermediate volcanic flows. The potassic altered shear zone identified in the first three holes was intersected from 54.5 m to 59.1 m followed by altered intermediate metavolcanics rocks. A strongly chlorite altered meta-gabbro unit was intersected from 67.7 – 70.3 m before entering a silicified interval.

The silicified interval continues from 70.3 – 78.6 m, with quartz content decreasing moving through the zone. Mineralization consists of 3-5% fine-grained

disseminated pyrite occurring with and surrounding cloudy-white to blue-grey quartz that foliated and boudinaged in places. Assay results returned an intersection of 1.07 g/t Au over 5.8 m from 72.8 to 78.6 m from within the silicified zone. The hole proceeded into strongly foliated argillite till the end of the hole at 123 m.

Drill Hole PL-19-05A: 42 m, 325°/-50°

Hole PL-19-05A continued further south-west 60 m from PL-19-04, again following the silicified zone along strike. This hole was abruptly shut-down at 42m due to stuck drill-rods. The collared in moderately foliated intermediate volcanoclastics which were present until the end of hole at 42m. Nothing of interest was intersected.

Drill Hole PL-19-05B: 103 m, 325°/-45°

Hole PL-19-05B was collared at the same location as PL-19-05A with just a shallower dip. Similar to PL-19-05A this hole was collared in intermediate volcanoclastic rocks which graded into cohesive intermediate metavolcanic rocks. These intermediate units are weak to moderately foliated with little to no alteration. The potassic altered shear zone was intersected from 71.3 – 72.5 m marking the contact between the relatively undeformed and unaltered metavolcanic rocks and the more strongly altered and deformed metavolcanic and metasedimentary rocks. The silicified zone was intersected from 77.1 – 91.2 m with mineralization consisting of 3-5% fine-grained disseminated pyrite surrounding and within dominantly blue-grey quartz that is foliated and boudinaged. Assay results returned a Au intercept of 0.57 g/t Au over 16.1 m from 77.5 – 93.6 m this included an interval of 2.07 g/t Au over 2 m. The hole continued through unaltered but strongly deformed argillite until the end of hole at 103 m.

Drill Hole PL-19-06: 105 m, 325°/-45°

This hole stepped 45 m south-west of the previous two holes, again testing the continuation of the silicified zone along strike. Similar geology at the start of the hole to previous holes intersecting intermediate volcanoclastic rocks grading into cohesive intermediate volcanic flows. The shear zone identified in previous holes as a marker unit before hitting the silicified zone was intersected at 70.7 – 71.5 m with the start of the silicified zone occurring at 75.0 m. The silicified zone in this hole was intersected from 75.0 – 92.2 m and displayed weaker mineralization in this hole than previous holes. Mineralization consisted of 2-3% fine-grained disseminated pyrite occurring within and surrounding foliated and boudinaged blue-grey quartz hosted within an argillaceous metasediment. Only weakly anomalous Au values were returned in assay results with the best intersection being 0.427 g/t Au over 1.0 m from 82.0 – 83.0 m. The hole continued in strongly deformed but unaltered argillite until the end of hole at 105 m.

Drill Hole PL-19-07: 210 m, 325°/-45°

This hole was collared 55 m west of the previous hole, again stepping along strike of the silicified zone. The hole was collared in intermediate volcanic flow and intersected the same shear structure as previous holes at 32.3 – 34.1 m. A feldspar porphyry was intersected starting at 36.8 m and continued to 51.0 m, the porphyry was variably sericite altered and contained 2-4% fine-grained disseminated pyrite. Argillaceous units were contained within the porphyry body at 38.4 – 39.5 m and 43.4 – 46.5 m. A weakly silicified zone was intersected from 51.0 – 62.7 m, was weakly mineralized with 2-3% fine-grained disseminated pyrite associated with quartz. Assay results returned only minor anomalous Au values from within this zone.

Banded argillite was intersected until 111.8 m, with intervals displaying weak silicification at 77.4 – 80.0 m, 90.3 – 92.9 m, 96.7 – 100.0 m and 102.5 – 105.1 m. Strongly deformed intermediate metavolcanic rocks were intersected from 105.1 – 151.6 m, a thinly bedded intermediate tuff marks the contact between the intermediate metavolcanic rocks and silicified mafic metavolcanics. Silicified mafic metavolcanic rocks were intersected until 176.1 m, where a minor 20 cm wide chlorite rich-shear marked the contact between the silicified mafic rocks and unaltered mafic metavolcanic rocks. The hole continues through various unaltered and relatively undeformed mafic metavolcanic flows until the end of the hole at 210.0 m.

Drill Hole PL-19-08: 319 m, 350°/-45°

This hole was drilled on a peninsula on the north-west side of Slate Lake testing Au anomalous surficial samples as well as previously identified IP anomalies. The hole was collared in metasedimentary rocks that were variably bedded and were comprised of siltstones, mudstones and sandstones. These siliciclastic and clay-rich metasedimentary rocks were interbedded with graphitic metasedimentary rocks for the first 105.0 m of the hole. At 105.0 m a 30 cm graphitic shear zone was intersected before hitting alternating zones of silicified graphitic sediments interbedded with felsic tuff units from 105.3 – 125.7 m. From 125.7 – 234.8 m mineralized graphitic sediments were intersected; these graphitic sediments contain anywhere from 1% - 30% pyrrhotite stringers parallel to bedding. Two silicified zones associated with 20 - 30 cm wide massive pyrrhotite veins occurring at 142.7 – 146.6 m and 155.4 – 156.9 m. Pyrrhotite veins were also surrounded by alteration halos consisting of the assemblage of chlorite, epidote, sericite, magnetite and cherty quartz. Another zone of silicified graphitic sediments was encountered from 213.0 – 219.0 m, which only contained 2-3% pyrrhotite and trace (<1%) pyrite.

The end of the graphitic sediments was marked by a felsic tuff horizon that graded into a mafic tuff (?) unit that was strongly foliated and dominantly composed of chlorite and epidote. Another short interval of graphitic sediments containing pyrrhotite stringers was intersected from 253.9 – 261.9 m. This graded into a package of felsic volcanoclastic rocks from 261.9 – 283.3 m that were variably silicified, sericite altered and mineralized. Mineralization was dominantly 3-10% pyrrhotite stringers, with 1-3% blebby pyrite occurring with the pyrrhotite and 1-2% fine-grained disseminated arsenopyrite. Assay results from this package of felsic volcanoclastic rocks returned an intercept of 0.18 g/t Au over 8.4 m from 270.5 - 279.0 m. The hole continued in unaltered mafic metavolcanic rocks until the end of the hole at 319 m.

Drill Hole PL-19-09: 147 m, 160°/-45°

This hole was collared at the same location as the previous hole but in the opposite direction testing the presence of a previously reported porphyry body, intersected by St. Joseph Exploration. The hole started in metasedimentary rocks similar to the start of the previous hole, intersecting variably bedded sandstones, mudstones and siltstones. At 65.4 m the hole intersected a 20 cm wide, hematite and chert rich, Banded Iron Formation marking the contact between the metasedimentary rocks and felsic metavolcanics rocks. The felsic metavolcanics rocks continue until 95.4 m, where the hole intersected a feldspar porphyry.

Moderate to strong sericite alteration is present within the felsic metavolcanics rocks within 2 m of the porphyry contact and within the porphyry until 108 m. The alteration is associated with quartz stock-work veining, with mineralization consisting of 3 – 5% very fine to fine-grained, blebby and disseminated arsenopyrite. Assay results returned values of 0.425 g/t Au over an interval of 2.0 m from 100 – 102 m, where quartz veining, arsenopyrite and alteration was most pervasive. The hole continued through unaltered and unmineralized porphyry until the hole was shut-down at 147 m.

9. Conclusions and Recommendations

The purpose of this diamond drill program was to examine and test the possibility of economic gold and/or base metal mineralization within the Panama Lake and Slate Lake areas.

In the Panama Lake area all drill holes intersected a 15 – 25 m wide quartz flooded shear zone that displayed consistently anomalous gold values within the silicified zone. The more highly anomalous gold values were observed to occur in association with more massive quartz, tourmaline stringers and 5-8% fine-grained

disseminated pyrite. The variation in width and degree of mineralization of the silicified zone in each of the holes suggests that the massive quartz zone may pinch and swell along strike and down plunge. Based on high-grade surficial samples the Panama zone displays potential to host high-grade mineralization within shoots along the shear, however follow up surficial geological and structural mapping would be beneficial to better identify and target these potential high-grade areas.

The two drill holes in the Slate Lake area intersected weakly anomalous gold and base metal mineralization. The stratigraphy encountered on the north-shore area is indicative of a sub-aqueous environment and the style of alteration and mineralization are characteristic of VMS style occurrence. The tuffaceous horizon that hosted the weak gold mineralization would be a good target for follow up work, as it has the potential for a massive sulphide lens – if present – to exist along this horizon. The feldspar porphyritic intrusion intersected in the final hole could represent a hypabyssal intrusion and could act as a heat source for a potential VMS system. The intersection of anomalous gold values within the arsenopyrite zone within the porphyry could also warrant follow up work along the intrusion contact.

Further work is recommended in the Panama Lake and Slate Lake areas in order to better investigate the extent of and the controls on mineralization observed within this program. Before further drilling on the property, geophysical surveying, bedrock mapping, structural mapping and sampling would be beneficial in supplementing the 2019 drill program and would assist in targeting for any future drilling programs.

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Appendix I

Panama Project Diamond Drill Logs

Benton Resources Inc.

Survey:	PL-19-01	Claims title:	287449
		Township:	Slate Lake Area
		Range:	
Contractor:	Rugged Aviation	Lot:	
Author:	JV	Start date:	2019-01-14
		End date:	2019-01-20
		Description date:	2019-01-21
		Casing Removed?:	Yes

Collar

UTM NAD83 z15

Dip: -50.0°	East: 526616.00
Length: 120.0	North: 5646512.00
	Elevation: 400.00

Down hole survey

Type	Depth	Azimuth	Dip	Invalid azimuth	Type	Depth	Azimuth	Dip	Invalid azimuth
Reflex	21.0	332.5°	-51.6°	No					
Reflex	120.0	344.0°	-44.8°	No					

Number of samples:	33
Number of QAQC samples:	4
Total sampled length:	26.0

Description:

casing pulled

Core size: BTW-NQ	Cemented: No	Core Storage Location: On site - Gold zone at office	Stored: No
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Benton Resources Inc.

Description			Assay - Sample					
			From	To	Sample number	Length	Au (ppb)	
0.0	18.2	Ovb Overburden Overburden + start of the hole						
18.2	21.1	Dio Diorite Diorite - dark-grey, aphanitic ground-mass with fine-grained feldspar phenocrysts, 3% fine-grained pyrite th/o entire unit, sheared lower contact Tourmaline + quartz vein (5cm) @ 19.1 m, with potassic alteration halo surrounding it, proximal to vein pyrite abundance increases to 10% can be medium grained in size	19.0	19.4	886501	0.4	33	
21.1	22.9	V_maf Mafic Volcanic Mafic metavolcanic rock (possibly mafic tuff) - greenish-black, aphanitic to fine-grained, weak to moderate foliation, carbonate +/- chloite banding th/o unit, with fine-grained disseminated pyrite (1-3%) th/o						
22.9	23.5	Dy_Maf Mafic Dyke Mafic to Ultra-mafic dyke - dark-black, aphanitic, with cryptic upper and lower contacts, unit is highly magnetic however allowing for it to be differentiated from over and underlying mafic metavolcanic rocks, 2-3% fine-grained euhedral pyrite th/o unit						
23.5	27.6	V_maf Mafic Volcanic Mafic metavolcanic rock (possibly tuff) - greenish-black, aphanitic to fine-grained, weak to moderate foliation, carbonate +/- chloite banding th/o unit, with fine-grained disseminated pyrite (1-3%) th/o - silicified zone @ 27.1 - 27.2, with minor medium-grained pyrite cubes - 1 cm wide quartz + feldspar vein @ 27.4, no associated alteration or pyrite						
27.6	32.1	Vif Intermediate Volcanic Flow Intermediate metavolcanic rock (Dacite) - lighter-grey, v.fine-grained quartz+feldspar with fine to medium-grained amphibole phenocrysts, unit display a weak foliation, contains trace (1%) disseminated pyrite th/o - 29.2 - 29.5 weak potassic alteration (light pinkish bleaching of unit) - unit displays a moderate fabric from 29.9 - 30.6 - mafic shear from 29.7 - 29.8						
32.1	32.4	ShZ						

Benton Resources Inc.

		Description	Assay - Sample				
			From	To	Sample number	Length	Au (ppb)
32.4	34.1	<p>Shear Zone</p> <p>Shear zone - intermediate unit? strongly sheared, displaying a strong fabric (35 deg to c.a), 3% fine grained pyrite disseminated th/o the zone</p> <p>Vif</p> <p>Intermediate Volcanic Flow</p> <p>Intermediate metavolcanic rock (Dacite) - lighter-grey, v.fine-grained quartz+feldspar with fine to medium-grained amphibole phenocrysts, sporadic paler even lighter-grey bleached sections, possibly feldspathic alteration</p>					
34.1	44.3	<p>V_maf</p> <p>Mafic Volcanic</p> <p>Mafic metavolcanic rock (possibly a tuff?) - greenish-black, aphanitic to fine-grained, weak to moderate foliation, carbonate +/- chloite banding th/o unit</p> <p>Box 7 - 40.2 - 44.3 - got mixed up during transport, domiantly mafic metavolcanic rocks with some intermediate however nothing prospective looking</p>					
44.3	58.8	<p>Vif</p> <p>Intermediate Volcanic Flow</p> <p>Intermediate metavolcanic rock (dacite) - lighter-grey, v.fine-grained quartz+feldspar with fine to medium-grained amphibole phenocrysts, trace 1% disseminated pyrite th/o unit</p> <p>- diorite dyke @ 57.7 - 57</p> <p>- 30cm wide zone fo diffuse potassic alteration centered around 46 cm</p> <p>- mafic metavolcanic zones the are moderately to strongly foliated @ 45.7 - 46, 46.3 - 47, 47.8 - 48.2, 50 - 50.3</p>					
58.8	61.0	<p>V_maf</p> <p>Mafic Volcanic</p> <p>Highly sheared mafic metavolcanic unit - fine-grained, greensih-black, strongly foliated with chlorite and carbonate stringers th/o with quartz vein marking upper contact, sheared lower contact, disseminated pyrite up to 3% around 61.3 associated with carbonate</p>					
61.0	65.4	<p>Vif</p> <p>Intermediate Volcanic Flow</p> <p>Intermediate metavolcanic rock - lighter-grey, v.fine-grained quartz+feldspar with fine to medium-grained amphibole phenocrysts, trace 1% disseminated pyrite th/o</p> <p>- tourmaline veins with trace pyrite at 61.2 and 63</p> <p>- thin (mm sized) veins th/o with associated pale bleaching</p> <p>-ambiguous lower contact with shear zone</p>					

Benton Resources Inc.

Description			Assay - Sample				
			From	To	Sample number	Length	Au (ppb)
65.4	69.4	ShZ Shear Zone Shear zone - highly sheared unit (possibly mafic?), thin mm sized quartz stringers th/o with thin potassic alteration halos, 5cm wide cataclasite breccia @ 68.9, no pyrite however observed within this zone, lower contact at 50 deg to c.a					
69.4	73.4	Vif Intermediate Volcanic Flow Intermediate metavolcanic rock - light-grey. v.fine-grained quartz + feldspar groundmass with fine to medium grained amhpibole phenocrysts, displys lighter pinkish bleaching proximal to shear zone fading to the similarly observed lighter grey of above units moving away from the shear, trace disseminated pyrite th/o					
73.4	78.6	V_maf Mafic Volcanic 50° Mafic metavolcanic unit (meta-gabbro) - fine to medium-grained, greenish-black, mainly amphibole and feldspar, possibly relict feldspar phenocrysts, strongly foliated, 2-3% disseminated fine-grained pyrite th/o, carbonate banding th/o -Intermediate unit from 77.6-77.9 with cloudy quartz veining and 2% fine-graine disseminated pyrite	73.5	74.5	886502	1.0	18
			74.5	75.5	886503	1.0	17
			75.5	76.5	886504	1.0	13
			76.5	77.5	886505	1.0	13
			77.5	78.0	886506	0.5	31
78.6	87.2	Sil Silicified Zone Silicified / quartz stringer zone - zone is domiantly 50 - 70% cloudy-white to blue-grey quartz surrounding strongly deformed mafic metavolcanic rocks, pyrite stringers parallel to foliation (40 deg c.a), pyrite is fine to medium grained and occurs within and surrounding quartz, quartz appears to be deformed in places elongated parallel to foliation, v.fine grained greenish mineral within and surrounding quartz possibly fuchsite -intervals of mfc metavolcanics rocks containing no pyrite within the zone 80.6 - 81.3 and 86.1 - 86.4	78.0	78.6	886507	0.6	33
			78.6	79.6	886508	1.0	148
			79.6	80.6	886509	1.0	2530
			80.6	81.3	886510	0.7	512
			81.3	82.3	886513	1.0	2000
78.6	87.2	Sil_Z Silicified Zone Silicified Zone	81.3	82.0	886511 (Std)	0.7	4050
			81.3	82.0	886512 (Bln)	0.7	< 5
			82.3	83.3	886514	1.0	3030
			83.3	84.3	886515	1.0	3060
			84.3	85.3	886516	1.0	168
			85.3	86.0	886517	0.7	56
			86.0	86.4	886518	0.4	362
			86.4	87.2	886519	0.8	885
87.2	88.9	V_maf Mafic Volcanic 30° Highly sheared mafic metavolcanic rock - fine to medium-grained, greenish-black, mainly amphibole and feldspar,	87.2	88.2	886520	1.0	24
			88.2	88.9	886521	0.7	17

Benton Resources Inc.

Description		Assay - Sample					
		From	To	Sample number	Length	Au (ppb)	
88.9	90.8	possibly relict feldspar phenocrysts, strongly foliated, 2-3% disseminated fine-grained pyrite th/o, carbonate banding th/o, pyrite and magnetite occurring in a 10 cm wide zone near lower contact					
		Vif	88.9	89.9	886522	1.0	15
		Intermediate Volcanic Flow	90.0	90.8	886523	0.8	11
		Intermediate metavolcanic rock (dacite) - lighter-grey, v.fine-grained quartz+feldspar with fine to medium-grained amphibole phenocrysts, trace 1% disseminated pyrite th/o, lower contact unit is greenish (possible chlorite alt?) in colour grading into a sheared lower contact					
		- 90.8 - 91.05 - mafic looking, strongly foliated unit composed of chlorite + carbonate + magnetite + pyrite(8%), strongly magnetic, with sheared contacts with dacite					
90.8	120.0	Vt_maf	90.8	91.1	886524	0.3	219
		Mafic Tuff	91.1	91.9	886525	0.9	14
		Tuffaceous looking mafic unit - very fine-grained to aphanitic in spots with highly variable 1-2 mm wide magnetite bands, possible relict bedding observed	92.0	92.8	886526	0.8	234
		- fine-to medium grained pyrite 5-8% occurs in strongly banded intervals with the composition, chlorite + carbonate + pyrite + magnetite, wherever pyrite occurs unit is highly magnetic	92.8	93.8	886527	1.0	9
		- pyrite rich intervals - 92.1 - 92.3, 92.45 - 92.5, 93.3, 96.2 - 96.3, 97 - 97.3, 98.3 - 98.6, 107.5 - 107.7	96.0	97.0	886528	1.0	11
		-strongly sheared interval with carbonate banding - 103.8 - 107.9	97.0	97.3	886529	0.3	69
			97.3	98.0	886530	0.7	8
			97.3	98.0	886531 (Std)	0.7	843
			97.3	98.0	886532 (Bln)	0.7	< 5
			98.0	99.0	886533	1.0	7
			99.0	100.0	886537	1.0	< 5
			107.0	107.5	886534	0.5	10
	107.5	107.8	886535	0.3	34		
	107.8	108.5	886536	0.8	8		

Benton Resources Inc.

Survey: PL-19-02 **Claims title:** 287449 **Section:**
Contractor: Rugged Aviation **Township:** Slate Lake Area **Level:**
Author: JVrzovski **Range:** **Work place:** Ear Falls, ON
Lot: **Start date:** 2019-01-20 **Description date:** 2019-01-28
End date: 2019-01-27 **Casing Removed?:** Yes

Collar
 UTM NAD83 z15
 Dip: -50.0° East: 526642.00
 Length: 165.0 North: 5646491.00
 Elevation: 383.00

Down hole survey

Type	Depth	Azimuth	Dip	Invalid azimuth	Type	Depth	Azimuth	Dip	Invalid azimuth
Reflex	15.0	336.0°	-53.0°	No					
Reflex	165.0	338.6°	-42.2°	No					

Number of samples: 38
Number of QAQC samples: 4
Total sampled length: 36.0

Description:

Core size: BTW-NQ **Cemented:** No **Core Storage Location:** On site - gold zone at office **Stored:** No

Benton Resources Inc.

Description			Assay - Sample				
			From	To	Sample number	Length	Au (ppb)
0.0	15.8	Ovb Overburden Overburden (15m) + Start of the hole					
15.8	51.0	Vt_int Intermediate Tuff Intermediate meta-volcaniclastic rocks - light-grey to bluish-grey, aphanitic, moderately to strongly foliated (35 deg to c.a.), variably bedded ranging from tuff to lapilli-stone, clasts are dominantly siliceous with some more feldspathic looking, clasts are highly defromed and stretched out 5:1, carbonate bandind is common throughout more tuffaceous segments, minor fractures containing trace pyrite along the fracture surfaces - cohesive intermediate metavolcanic units (possibly dykes) @ 35.5 - 35.6, and 37.3 - 37.7					
51.0	57.7	Vif Intermediate Volcanic Flow 40° Intermediate metavolcanic rocks (dacite to andesite?) - dark-grey, v.fine to fine-grained quartz and feldspar groundmass with fine to medium-grained dark-green amphibole phenocrysts, weak to moderate fabric, sharp contact with tuffaceous unit above and below, trace (<1%) fine-grained pyrite th/o, weakly reactive to acid (minor carbonate)					
57.7	70.0	Vt_int Intermediate Tuff 50° Intermediate meta-volcaniclastic rocks - light-grey to bluish-grey, aphanitic, moderately to strongly foliated (35 deg to c.a.), variably bedded ranging from tuff to lapilli-stone, clasts are dominantly siliceous with some more feldspathic looking, clasts are highly defromed and stretched out 5:1, carbonate bandind is common throughout more tuffaceous segments, minor fractures containing trace pyrite along the fracture surfaces - Diorite dyke @ 64.2 - 66.0 grey-green, fine-grained biotite and chlorite with medium-grained clody-white feldspar and dark-green amphibole phenocrysts, weak fabric with trace (<1%) euhedral fine to medium grained pyrite cubes, sporadic carbonate stringers th/o unit, patch chlorite alteration, unit is weakly magnetic					
70.0	75.8	V_maf Mafic Volcanic 50° Mafic metavolcanic rock (meta-gabbro?) - dark-green fine-grained white feldspar with medium-grained dark-green amphibole, moderte to strong fabric observed th/o the entire unit (45 deg to c.a.), unit is weakly magnetic in patches, carbonate banding is observed th/o the unit, 1-2% fine-grained euhedral pyrite, sheared contacts with tuffaceous intermediate unit above and below marked by black aphanitic bands 3-5 cm (chilled margins?)					

Benton Resources Inc.

Description			Assay - Sample				
			From	To	Sample number	Length	Au (ppb)
75.8	101.8	Vt_int Intermediate Tuff Intermediate volcanoclastic unit - light-grey to bluish-grey, aphanitic, moderately to strongly foliated (35 deg to c.a.), variably bedded ranging from tuff to lapilli-stone, clasts are dominantly siliceous with some more feldspathic looking, clasts are highly defromed and stretched out 5:1, carbonate bandind is common throughout more tuffaceous segments, minor fractures containing trace pyrite along the fracture surfaces @ 99 - 101.8 m pyrite becomes more apparent with up to 5% fine-grained pyrite disseminated throughout tuffaceous unit, pyrite also occurs as bands parallel to foliation	99.0	100.0	886538	1.0	13
			100.0	101.0	886539	1.0	15
			101.0	102.0	886540	1.0	13
101.8	141.0	Vif Intermediate Volcanic Flow Intermediate metavolcanic rocks (Dacite/Andesite?) - light-grey, fine0grained quartz and feldspar with medium-grained dark-green amphibole phenocrysts, contains fine-grained disseminated pyrite up to 3% in some areas, unit is variably altered with an observed pinkish bleaching of the unit (potassic alteration), pyrite presence will increase in zones undergoing potassic alteration, alteration becomes more apparent and pervasive deeper into the hole, @ 132.5 odd chlorite 'wisps' with feldspathic alteration halo and coarse-grained euhedral pyrite - numerous strongly altered and strongly banded sections containg quartz +tourmaline and carbonate veins, these sections are strongly sheared, can vary in size from cm to metere scale and contain abundant chlorite, pyrite content proximal to the veins can be up to 5% with fine to medium-grained pyrite, potentiall represent highly altere/sheared intervals of mafic metavolcanic rocks interbedded with teh intermediate?, these occur @ 105.7 - 106.2, 106.4 - 106.55, 109.9-110.3, 110.5 - 110.65, 111 - 112, 112.6 - 112.8, 116.6, 123.85 - 124, 124.3 - 125.5, 125.8, 126.3 - 126.7, 127.15, 129.5, 130.8 - 131.6, 132.1 - 132.2, 134.9-135, 136.1 - 136.2, 139.8-140.3	105.7	106.7	886541	1.0	5
			109.6	110.6	886542	1.0	< 5
			123.5	124.5	886543	1.0	5
			124.5	125.5	886544	1.0	< 5
			125.5	126.5	886545	1.0	6
			129.0	130.0	886546	1.0	5
			130.0	131.0	886547	1.0	8
			131.0	132.0	886548	1.0	5
			132.0	133.0	886549	1.0	< 5
			135.0	136.0	886550	1.0	< 5
			136.0	137.0	886551	1.0	< 5
			137.0	138.0	886552	1.0	< 5
			138.0	139.0	886553	1.0	< 5
			139.0	140.0	886554	1.0	5
			140.0	141.0	886555	1.0	< 5
			140.0	141.0	886556 (Std)	1.0	950
140.0	141.0	886557 (Bln)	1.0	< 5			
141.0	144.9	ShZ Shear Zone Shear zone - strongly sheared unit w/ fine grianed quartz stringers with potassic alteratinon halos the unit is pale greenish-pink in colour, possibly sheared intermediate unit, does not contain any pyrite	144.0	145.0	886558	1.0	< 5
144.9	147.9		Vif Intermediate Volcanic Flow	145.0	146.0	886559	1.0
		146.0		147.0	886560	1.0	6

Benton Resources Inc.

		Description	Assay - Sample				
			From	To	Sample number	Length	Au (ppb)
		Interemdiate metavolcanic unit - light-grey with a pink tinge, fine-grained quartz and feldspar with medium-grained amphibole phenocrysts, moderately foliated, thin 1cm quart stringers, unit has undergone moderate potassic alteration, quartz carbonate vein @ 145.3, tourmaline vein @ 145.8	147.0	148.0	886561	1.0	13
147.9	148.5	V_maf Mafic Volcanic 35° Mafic metavolcanic rocks (meta-gabbro?) - strongly chlorite eltered and strongly sheared, trace pyrite (<1%), sharp contact with quartz zone @ 35 deg to c.a.	148.0	148.5	886562	0.5	6
148.5	156.1	Sil Silicified Zone 40° Quartz flooded/stringer zone - 148.5 - 149.5 - massive quartz - cloudy white to more blue-gret in colour, thin tourmaline stringers near margins with 5-8% fine-grained pyrite associated with tourmalien, two 5cm thick cloudy white quartz veins crosss-cut rest of quartz (later-stage) 149.5 - 149.9 - highly sheared mafic metavolcanic unit w/ chlorite alteration and carbonate banding (meta-gabbro) trace pyrite 149.9 - 150.65 - blue-grey, deformed quartz with up to 5% fine-grained pyrite, pyrite more concentrated towards edges of the zone 150.65 - 151 - highly sheared intermediate unit 151.1 - 154.6 - banded blue-grey quartz w/ biotite rich-bands same magnetite bands around 154.5 m , 60-70% quartz 154.6 - 156.1 - banded blue-grey quartz mixed with biotite bands and some magnetite bands 40-50% quartz, 2-3% pyrite associated with biotite bands, lower contact of one marked by dissapearance of quartz	148.5	149.4	886563	0.9	1200
			149.4	150.0	886564	0.6	40
			150.0	150.7	886565	0.7	1790
			150.7	151.2	886566	0.5	476
			151.2	152.2	886567	1.0	1460
			152.2	153.2	886568	1.0	1450
			153.2	154.0	886569	0.8	1900
			154.0	155.0	886570	1.0	746
			155.0	156.0	886571	1.0	10
			156.0	157.0	886572	1.0	14
			156.0	157.0	886573 (Std)	1.0	4100
			156.0	157.0	886574 (BIn)	1.0	< 5
148.5	156.1	Sil_Z Silicified Zone Silicified zone					
156.1	165.0	Vt_int Intermediate Tuff Banded intermediate tuffaceous unit +/- magnetite - alternating white - fine-grained quartz and feldspar - and black - biotite - bands in highly sheared tuffaceous unit, sporatic thin (1-3 mm) black magnetite bands are present within the unit, cohesive intermediate flows @ 160.2 - 160.7, 163.3 - 163.7 and 164.6 - 165	157.0	158.0	886575	1.0	< 5
			158.0	159.0	886576	1.0	5
			159.0	160.0	886577	1.0	11
			160.0	161.0	886578	1.0	8
			161.0	162.0	886579	1.0	7

Benton Resources Inc.

Survey:	PL-19-03	Claims title:	287449
		Township:	Slate Lake Area
		Range:	
Contractor:	Rugged Aviation	Lot:	
Author:	NSims	Start date:	2019-02-01
		End date:	2019-02-03
		Section:	
		Level:	
		Work place:	Ear Falls, ON
		Description date:	2019-02-04
		Casing Removed?:	Yes

Collar

UTM NAD83 z15

Dip: -50.0°	East: 526641.00
Length: 96.0	North: 5646547.00
	Elevation: 388.00

Down hole survey

Type	Depth	Azimuth	Dip	Invalid azimuth	Type	Depth	Azimuth	Dip	Invalid azimuth
Reflex	9.0	323.7°	-51.1°	No					
Reflex	96.0	323.9°	-50.0°	No					

Number of samples:	27
Number of QAQC samples:	2
Total sampled length:	26.2

Description:

Core size: BTW-NQ	Cemented: No	Core Storage Location: on site - main zone at office	Stored: No
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Benton Resources Inc.

Description			Assay - Sample					
			From	To	Sample number	Length	Au (ppb)	
0.0	9.0	Ovb Overburden casing						
9.0	14.8	Vmf Mafic Volcanic Flow black mafic, amorphous dyke-like texture w 1-3% eu py often w larger 2-3mm crystals, mild foliation sub-perp to CA						
14.8	23.0	Vmf Mafic Volcanic Flow green to black mafic w chlorite w sporadic wisphy carb sections (minor), poor defined contacts, non magnetic , diss py						
23.0	45.5	Vt_int Intermediate Tuff 80% dacitic unit, grey amorphous vfg yet includes black tiny rod/elongated phenos (hornblende) 20% mafic, tuffaceous unit, mod to highly deformed trace py						
45.5	60.7	ShZ Shear Zone chloritic shear, contains numerous tourmaline/Q-carb veins up to 2cm thick, trace to 1% py fabric at 55deg to CA	53.0	54.0	886580	1.0	< 5	
			54.0	55.0	886581	1.0	< 5	
			55.0	56.0	886582	1.0	< 5	
60.7	66.3	Vif Intermediate Volcanic Flow intermed volc (dacite?), trace to diss py, very minor hematite staining (or potassic enrich) locally in patches (mainly near top) 61m - 30cm of pinky, vuggy carb veins						
66.3	71.9	ShZ Shear Zone sheared green mafic	66.8	67.8	886583	1.0	< 5	
			67.8	68.8	886584	1.0	62	
			68.8	69.9	886585	1.1	15	
			69.9	71.0	886586	1.1	21	
			71.0	72.0	886587	1.0	< 5	
71.9	72.6	Dyk_Int Intermediate Dyke intermediate fg dyke, little to no fabric (massive) non-magnetic, trace fg py	72.0	72.6	886588	0.6	7	
72.6	82.4	Sil	72.6	73.6	886589	1.0	15	

Benton Resources Inc.

		Description	Assay - Sample				
			From	To	Sample number	Length	Au (ppb)
72.6	82.4	Silicified Zone	73.6	74.6	886590	1.0	51
		poor or gradational UC	74.6	75.6	886591	1.0	23
		60-70% of this unit is composed of blue-grey semi-transparent/lucent quartz in cm-size bands, 65-55deg FCA	75.6	76.6	886592	1.0	75
		quartz appears to have flooded zone between heavily magnetic sediments (below) and sheared mafic-int volcanics	75.6	76.6	886593 (Std)	1.0	3840
		above, leaving a highly deformed, silicified volcanic host leaving a gneissic-like texture. bottom half of silicified zone	75.6	76.6	886594 (BIn)	1.0	< 5
		might represent a more sedimentary protolith? (simply because of the silicities in 'banding')	76.6	77.6	886595	1.0	123
		sulphide is prevalent throughout as fg specks, disseminated. all pyrite, non mag. quartz is poorly mineralized	77.6	78.6	886596	1.0	58
		72.6-77m: displays a slight potassic enrich staining	78.6	79.6	886597	1.0	131
		Sil_Z	79.6	80.6	886598	1.0	1070
		Silicified Zone	80.6	81.6	886599	1.0	214
82.4	87.9	Silicified Zone	81.6	82.4	886600	0.8	81
82.4	87.9	Vt_maf	82.4	83.4	886601	1.0	1460
		Mafic Tuff	83.4	84.4	886602	1.0	3630
		banded, magnetite rich unit that displays strong foliation @ 45deg to CA, bands of pyrite with brown mineral	84.4	85.4	886603	1.0	572
		(pyrrhotite?) sub cm wide,	85.4	86.4	886604	1.0	100
		LC at 60deg	86.4	87.1	886605	0.7	139
87.9	89.1	Vt_maf	87.1	87.9	886606	0.8	10
		Mafic Tuff	87.9	88.9	886607	1.0	5
			88.9	90.0	886608	1.1	12
89.1	96.0	as above but non-magnetic and no longer contains bands of py/mt					
		foliation becomes irratic with depth					
89.1	96.0	Vt_maf					
		Mafic Tuff					
		massive to moderately foliated tuffaceous unit. prevalent q-carb veining as thin veinlets. some localized patches of weak magnetism. trace diss py					

Benton Resources Inc.

Survey: PL-19-04		Claims title:	287449		Section:																								
		Township:	Slate Lake Area		Level:																								
		Range:			Work place:	Ear Falls, ON																							
Contractor:	Rugged Aviation		Lot:																										
Author:	JVRzovski		Start date:	2019-02-04		Description date:	2019-02-07																						
			End date:	2019-02-06		Casing Removed?: Yes																							
Collar																													
					UTM NAD83 z15																								
Dip:	-50.0°		East	526556.00																									
Length:	123.0		North	5646471.00																									
			Elevation	389.00																									
Down hole survey																													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Type</th> <th>Depth</th> <th>Azimuth</th> <th>Dip</th> <th>Invalid azimuth</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>					Type	Depth	Azimuth	Dip	Invalid azimuth						<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Type</th> <th>Depth</th> <th>Azimuth</th> <th>Dip</th> <th>Invalid azimuth</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>					Type	Depth	Azimuth	Dip	Invalid azimuth					
Type	Depth	Azimuth	Dip	Invalid azimuth																									
Type	Depth	Azimuth	Dip	Invalid azimuth																									
Number of samples:		32																											
Number of QAQC samples:		4																											
Total sampled length:		29.3																											
Description:																													
Core size: BTW-NQ			Cemented: No		Core Storage Location: On site - main zone at office		Stored: No																						

Benton Resources Inc.

Description			Assay - Sample					
			From	To	Sample number	Length	Au (ppb)	
0.0	3.0	Ovb Overburden Overburden + Start of Hole						
3.0	10.5	Vt_int Intermediate Tuff Intermediate volcanoclastic rocks - light-grey/bluish-grey, fine-grained to aphanitic, variably bedded ranging from tuff to lapilli tuff, unit is moderately foliated with lapilli stretched 5:1 in some sections, foliation is 40 degree to c.a, trace (<1%) pyrite - 5 cm wide milky white quartz vein @ 9.8 m with up to 3% fine-grained py						
10.5	14.6	V_maf Mafic Volcanic Mafic metavolcanic rock (Meta-gabbro?) - dark-green, moderately foliated, fine-grained white feldspar with dark-green medium-grained amphibole phenocrysts, displays chlorite alteration of groundmass, carbonate stringers th/o unit, trace <1% pyrite - intermediate metavolcanic unit from 11-11.6 m						
14.6	19.9	Vt_int Intermediate Tuff Intermediate volcanoclastic units - light-grey to blue-grey fine grained to aphanitic, variably bedded ranging from tuff to lapilli tuff, trace py, chlorite altered lapilli tuff near bottom contact						
19.9	54.5	Vif Intermediate Volcanic Flow Intermediate metavolcanic unit (andesite to dacite) - light-grey, fine-grained quartz and feldspar with dark-green medium-grained amphibole phenocrysts, weak to moderately foliated in areas, trace py th/o - Quartz + tourmaline veins @ 23.5, 27-27.2, 34, 35, 52.2 - mafic intervals, highly sheared and chlorite rich, possibly tuffaceous horizons, contain up to 5% py, @ 32.3 - 32.7, 29.7, 33.1 - 33.6, 35.0 -35.2 - weak potassic alteration (pink bleaching) @ 33 - 37 increase in py up to 3% in this zone - Biotite-rich intermediate unit - possibly diorite? w/ feldspar phenocrysts @ 27.2 - 28.7						
54.5	59.1	ShZ Shear Zone Shear zone - highly sheared intermediate unit? - greenish-pink in colour, very strong fabric @ 45deg c.a., thin quartz + tourmaline stringers th/o zone, weak to moderate potassic alteration, trace py (<1%) to no py within zone,						

Benton Resources Inc.

		Description	Assay - Sample				
			From	To	Sample number	Length	Au (ppb)
59.1	67.7	upper contact sharp and marked by black aphanitic band, bottom contact gradational with intermediate metavolcanics					
		Vif	65.7	66.7	886609	1.0	14
		Intermediate Volcanic Flow	66.7	67.7	886610	1.0	5
67.7	70.3	Intermediate metavolcanic rocks - light-grey, fine-grained quartz + feldspar, with fine to medium-grained black amphibole phenocrysts, some feldspar phenos, minor quartz+tourmaline veins as well as thin carbonate stringers, trace py (<1%), fine-grained and weak potassic alteration proximal to shear zone, weak to moderate foliation in sections, core is very broken/blocky from 63.6 - 64.8 m					
		V_maf	67.7	68.7	886611	1.0	10
		Mafic Volcanic	68.7	69.7	886612	1.0	< 5
		Mafic metavolcanic rock (meta-gabbro?) - greenish-black, w/ fine-grained white feldspar, fine to medium grained amphibole phenocrysts, moderately to strongly foliated, chlorite alteration 15 - 20% in abundance, sporadic tm veins with up to 5% py	69.7	70.3	886613	0.6	7
70.3	78.6	Sil	70.3	71.3	886614	1.0	81
		Silicified Zone	71.3	71.5	886615	0.2	26
		Silicified / Quartz flooded zone - start of zone marked by tourmaline vein with sheared contact with above mafic metavolcanic unit, tourmaline vein contains fine-grained pyrite stringers, zone displays a strong shear fabric (45 deg to c.a.)	71.5	72.5	886616	1.0	127
			72.5	72.8	886617	0.3	21
			72.8	73.8	886618	1.0	338
		- 70.3 - 72.55 - start of zone dominated by quartz > biotite with quartz content ranging from 60 - 80%, quartz is predominately blue-grey with some milky/cloudy-white, blue-grey quartz appears to be deformed (boudinaged?)	73.8	74.8	886619	1.0	837
		parallel to foliation, up to 5% fine-grained pyrite surrounding quartz, end of this sub-zone marked by contact with sheared meta-gabbro (?) unit, broken up by meta-gabbro unit 71.3 - 71.6 m	73.8	74.8	886620 (Std)	1.0	3880
			73.8	74.8	886621 (BIn)	1.0	< 5
		- 72.55 - 72.85 - meta-gabbro? unit	74.8	75.8	886622	1.0	362
		- 72.85 - 78.55 - less quartz dominated section of the zone, quartz 30 - 50%, dominantly blue-grey quartz, still highly deformed, biotite rich layers in between quartz, #% fine-grained pyrite associated with quartz	75.8	76.8	886623	1.0	1330
			76.8	77.8	886624	1.0	2550
- lower contact of zone is gradational as quartz content relatively disappears after 78.55	77.8	78.6	886625	0.8	996		
70.3	78.6	Sil_Z					
		Silicified Zone					
		Silicified Zone					
78.6	95.2	Vt_maf	78.6	79.6	886626	1.0	43
		Mafic Tuff	79.6	80.6	886627	1.0	20

Benton Resources Inc.

Description		Assay - Sample					
		From	To	Sample number	Length	Au (ppb)	
95.2	99.4	Mafic tuff? - biotite rich naded unit with trace sporadic 1-3 mm magnetite bands, magnetite usually occurs with chlorite + cbnt and pyrite fine-grained up to 3%, unit is consistently highly sheared 35 - 40 deg to c.a.	80.6	81.3	886628	0.7	< 5
		-Weakly deformed intermediate units @ 79.2 + 79.3, 80.6 - 81.3, 84.6 -84.7	81.3	82.3	886629	1.0	9
		- @ 94.1 - 94.3 - quartz + cbnt vein w/ minor py, cloudy white to bluish grey quartz	82.3	83.3	886630	1.0	8
		Vif	93.8	94.8	886631	1.0	32
		Intermediate Volcanic Flow	97.7	98.4	886632	0.7	< 5
99.4	123.0	Intermediate metavolcanic unit (possibly a dyke?) - grey-black, relatively undeformed, weak fabric on margins, fine-grained quartz,+feldspar with some amphibole phenocrysts					
		- 96 - 96.5 contains a raft of mafic tuffaceous unit					
		- becomes more medium-grained/chlorite altered towards lower contact of unit					
		- 98.9 - 92.3 - quartz tourmaline vein with 3% py associated					
		Vt_maf	100.0	101.0	886633	1.0	10
		Mafic Tuff	101.0	102.0	886634	1.0	5
		Mafic tuff? - strongly deformed and banded mafic tuffaceous unit with trace sporadic magnetie bands (1-3 mm)	102.0	103.0	886635	1.0	9
		-intermediate unit, strongly chl altered with 2-3% fine-grained pyrite @ 103 - 104.3	108.0	109.0	886636	1.0	< 5
		Weakly silicified zones @	109.0	110.0	886637	1.0	26
		100 - 103 - banded unit contains 20 - 30% blue-grey quartz th/o this interval, py clusters surrounding deformed cloudy-white quartz veins @ 102.35 and 102.7	110.0	111.0	886638	1.0	13
		108 - 111 - 10 - 20% blue-grey quartz with fine-grained disseminated py	113.0	114.0	886639	1.0	< 5
		113 -117 - 10 - 20% blue-grey quartz with trace py,ite, chlorite banding becomes more prevalent in this zone and to the end of the hole	113.0	114.0	886640 (Std)	1.0	867
			113.0	114.0	886641 (Bln)	1.0	< 5
	114.0	115.0	886642	1.0	< 5		
	115.0	116.0	886643	1.0	5		
	116.0	117.0	886644	1.0	< 5		

Benton Resources Inc.

Survey:	PL-19-05A	Claims title:	287449	Section:	
		Township:	Slate Lake Area	Level:	
		Range:		Work place:	Ear Falls, ON
Contractor:	Rugged Aviation	Lot:			
Author:	JVrzovski	Start date:	2019-02-06	Description date:	2019-02-08
		End date:	2019-02-07	Casing Removed?:	Yes

Collar

UTM NAD83 z15

Dip:	-50.0°	East	526522.00
Length:	42.0	North	5646418.00
		Elevation	389.00

Down hole survey

Type	Depth	Azimuth	Dip	Invalid azimuth	Type	Depth	Azimuth	Dip	Invalid azimuth

Number of samples:	6
Number of QAQC samples:	0
Total sampled length:	5.6

Description:

Core size: BTW-NQ	Cemented: No	Core Storage Location: On site	Stored: No
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Benton Resources Inc.

Description			Assay - Sample					
			From	To	Sample number	Length	Au (ppb)	
0.0	6.0	Ovb Overburden Casing (6m) + overburden						
6.0	15.9	Vif Intermediate Volcanic Flow Intermediate volcanoclastic rocks - bluish-grey, fine-grained to aphanitic, variably bedded ranging from tuffaceous to lapilli-tuff, mainly gradational contacts between sub-units, moderately foliated (45 deg c.a), trace (<1%) f.g pyrite th/o, carbonate stringers (1-2 mm) sporadic th/o unit						
15.9	19.7	V_maf Mafic Volcanic Mafic metavolcanic rock (meta-gabbro) - greenish-black, fine-grained feldspar + biotite with white medium-grained feldspar and black amphibole phenocrysts , feld > amph, weakly to moderately foliated near margins of unit, sporadically chlorite altered (more greenish in colour), trace pyrite, weakly magnetic						
19.7	33.2	Vt_int Intermediate Tuff Intermediate volcanoclastic unit - bluish-grey, fine-grained to aphanitic, variably bedded ranging from tuffaceous to lapilli-tuff, mainly gradational contacts between sub-units, moderately foliated (45 deg c.a), trace (<1%) f.g pyrite th/o, carbonate stringers (1-2 mm) sporadic th/o unit - irregular quartz-vein (10 cm) w/ tourmaline + chlorite and fine-grained pyrite up to 6% proximal to vein - altered interval w/ increased pyrite from 31.3 - 32.2	30.4	31.4	886645	1.0	< 5	
			31.4	32.2	886646	0.8	< 5	
			32.2	33.2	886647	1.0	< 5	
33.2	37.5	V_maf Mafic Volcanic Mafic metavolcanic rocks (meta-gabbro?) - greenish-black, fine-grained feldspar + biotite with white medium-grained feldspar and black amphibole phenocrysts , feld > amph, weakly to moderately foliated near margins of unit, sporadically chlorite altered (more greenish in colour), trace pyrite, weakly magnetic	33.2	34.2	886648	1.0	< 5	
			34.2	35.0	886649	0.8	< 5	
			35.0	36.0	886650	1.0	< 5	
37.5	42.0	Vt_int Intermediate Tuff Intermediate volcanoclastic rocks - bluish-grey, fine-grained to aphanitic, variably bedded ranging from tuffaceous to lapilli-tuff, mainly gradational contacts between sub-units, moderately foliated (45 deg c.a), trace (<1%) f.g pyrite th/o, carbonate stringers (1-2 mm) sporadic th/o unit						

Benton Resources Inc.

Survey:	PL-19-05B	Claims title:	287449	Section:	
		Township:	Slate Lake Area	Level:	
		Range:		Work place:	Ear Falls, ON
Contractor:	Rugged Aviation	Lot:			
Author:	JVrzovski	Start date:	2019-02-08	Description date:	2019-02-11
		End date:	2019-02-10	Casing Removed?:	Yes

Collar

UTM NAD83 z15

Dip:	-45.0°	East	526522.00
Length:	103.0	North	5646418.00
		Elevation	389.00

Down hole survey

Type	Depth	Azimuth	Dip	Invalid azimuth	Type	Depth	Azimuth	Dip	Invalid azimuth
Reflex	7.0	325.2°	-43.8°	No					
Reflex	103.0	326.7°	-37.4°	No					

Number of samples:	33
Number of QAQC samples:	4
Total sampled length:	25.1

Description:

Core size: BTW-NQ	Cemented: No	Core Storage Location: On site - main zone at office	Stored: No
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Benton Resources Inc.

Description			Assay - Sample					
			From	To	Sample number	Length	Au (ppb)	
0.0	9.0	Ovb Overburden Casing to 7m - start of hole at 9 m (2 m of blocky rubble)						
9.0	12.9	Vt_int Intermediate Tuff Intermediate volcanics - bluish-grey, fine-grained to aphanitic, variably bedded ranging from tuffaceous to lapilli-tuff, mainly gradational contacts between sub-units, moderately foliated (45 deg c.a), trace (<1%) f.g pyrite th/o, carbonate stringers (1-2 mm) sporadic th/o unit						
12.9	15.2	V_maf Mafic Volcanic MAfic metavolcanic rock (meta-gabbro?) - greenish-black, v.fg gree/black chlorite and biotite groundmass with medium-grained white feldspar and black amphibole phenocrysts, feldspar > amphibole, weak to moderate foliation, cbnt. banding th/o, variably chlorite altered, greenish-blck more chlorite, greyish-black more biotite, trace pyrite, weak foliation observed near contacts						
15.2	42.3	Vt_int Intermediate Tuff Intermediate volcanoclastic unit - bluish-grey, fine-grained to aphanitic, variably bedded ranging from tuffaceous to lapilli-tuff, mainly gradational contacts between sub-units, moderately foliated (45 deg c.a), trace (<1%) f.g pyrite th/o, carbonate stringers (1-2 mm) sporadic th/o unit - minor mafic units @ 15.7 - 15.9, 18.15 - 19.15, 22 - 22.3, 22.5 - 22.9, 33.05, 33.5, 40.8						
42.3	45.9	Vt_maf Mafic Tuff MAfic tuff / silicified zone - 3m wide zone of alternating mafic metagabbro unit and silicified mafic tuffaceous looking unit, silicified zones contain blue-grey quartz up to 20 % and can contain up to 10% pyrite, lower contact is gradational with int. volcanics	42.3	42.8	886651	0.5	< 5	
			42.8	43.4	886652	0.6	6	
			43.4	44.1	886653	0.7	18	
			44.1	44.4	886654	0.3	24	
			44.4	45.2	886655	0.8	9	
			45.2	45.9	886656	0.7	5	
45.9	71.3	Vif Intermediate Volcanic Flow Intermediate metavolcanic rocks - light-grey, f.g quartz and feldspar with medium-grained black amphibole phenocrysts, weak to moderate foliation, w/ trace (<1%) pyrite f.g, cbnt. stringers sporadic th/o, @ 53.4-53.6 - sheared mafic unit, also 61.4 - 61.8						

Benton Resources Inc.

		Description	Assay - Sample					
			From	To	Sample number	Length	Au (ppb)	
71.3	72.5	@ weak to moderate potassic alteration associated with shear zone by lower contact ShZ Shear Zone Shear zone - pinkish-green, highly strained zone possibly intermediate?, thin (1-3 mm) quartz +/- tourmaline stringers th/o zone with potassic alt. halos, trace to no py within the zone						
72.5	77.1	Vif Intermediate Volcanic Flow Intermediate metavolcanic rocks - light-grey, f.g quartz and feldspar with medium-grained black amphibole phenocrysts, weak to moderate foliation, w/ trace (<1%) pyrite f.g, cbnt. stringers sporadic th/o, weak potassic alt. proximal to shear zone, more chlorite looking proximal to lower contact w/ silicified zone, thin (1-3 mm) cbnt. stringers with bleached alt. halos th/o	73.2	74.2	886657	1.0	< 5	
			74.2	75.2	886658	1.0	< 5	
			75.2	76.2	886659	1.0	5	
			75.2	76.2	886660 (Std)	1.0	3930	
			75.2	76.2	886661 (Bln)	1.0	< 5	
			76.2	77.2	886662	1.0	10	
77.1	91.2	Sil Silicified Zone Silicified / quartz flooded shear zone: highly sheared mfv looking unit with tourmaline th/o, grades into more silicified banded unit, variable amounts of blue-grey quartz throughout the zone 77.1 - 77.5 - highly sheared mfv looking unit w/ tm th/o, grades into more silicified banded unit 77.5 - 80.3 - banded-silicified unit, w/ 50-60%, some zones of massive quartz, up to 5% pyrite w/ zone, quartz is dominantly blue-grey with more massive quartz being a more cloudy-white 80.3 - 81.7 - intermediate unit - cut by 8 cm wide tourmaline + quartz vein containing 10% py - bleached alteration (albite?) w/ 10% fine to medium-grained pyrite 81.7 - 86 - 30-40% blue-grey quartz surrounded by biotite, 3% pyrite disseminated w/ quartz, int. units @ 83.15 - 83.6, 84.8 - 85 (unmineralized looking) 86 -88 - banded magnetic unit w/ minor blue-grey banded quartz 88 - 91.2 - banded magnetic unit containing up to 40% blue-grey quartz	77.2	77.5	886663	0.3	6	
			77.5	78.5	886664	1.0	308	
			78.5	79.5	886665	1.0	1240	
			79.5	80.4	886666	0.9	554	
			80.4	81.0	886667	0.6	6	
			81.0	81.7	886668	0.7	25	
			81.7	82.7	886669	1.0	120	
			82.7	83.2	886670	0.5	409	
			83.2	83.6	886671	0.5	14	
			83.6	84.2	886672	0.6	1460	
			84.2	84.8	886673	0.6	641	
			84.8	85.0	886674	0.2	21	
77.1	91.2	Sil_Z Silicified Zone Silicified Zone	85.0	86.0	886675	1.0	653	
			86.0	87.0	886676	1.0	306	
			87.0	88.0	886677	1.0	73	
			88.0	89.0	886678	1.0	128	
			89.0	90.0	886679	1.0	3700	
			89.0	90.0	886680 (Std)	1.0	3910	
			89.0	90.0	886681 (Bln)	1.0	< 5	

Benton Resources Inc.

Description			Assay - Sample				
			From	To	Sample number	Length	Au (ppb)
91.2	103.0	Vt_maf Mafic Tuff Mafic tuffaceous unit - highly strained banded unit within (1-3 mm) bands of magnetite usually associated w/ chlorite and py Intermediate units @ 94.3 - 95.4, 95.9 - 96, 101 - 101.5	90.0	91.0	886682	1.0	434
			91.0	91.2	886683	0.2	89
			91.2	91.6	886684	0.4	12
			91.6	92.6	886685	1.0	64
			92.6	93.6	886686	1.0	111
			93.6	94.7	886687	1.1	24

Benton Resources Inc.

Survey:	PL-19-06	Claims title:	287449	Section:	
		Township:	Slate Lake Area	Level:	
		Range:		Work place:	Ear Falls, ON
Contractor:	Rugged Aviation	Lot:			
Author:	JVrzovski	Start date:	2019-02-10	Description date:	2019-02-13
		End date:	2019-02-12	Casing Removed?:	Yes

Collar

UTM NAD83 z15

Dip:	-50.0°	East	526496.00
Length:	105.0	North	5646379.00
		Elevation	389.00

Down hole survey

Type	Depth	Azimuth	Dip	Invalid azimuth	Type	Depth	Azimuth	Dip	Invalid azimuth
Reflex	9.0	324.9°	-42.0°	No					
Reflex	105.0	332.3°	-39.7°	No					

Number of samples:	31
Number of QAQC samples:	4
Total sampled length:	29.5

Description:

Core size: BTW-NQ	Cemented: No	Core Storage Location: On site - main zone at office	Stored: No
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Benton Resources Inc.

Description			Assay - Sample					
			From	To	Sample number	Length	Au (ppb)	
0.0	15.0	Ovb Overburden Casing to start of hole - blocky/rubby rock until 15m, some rusty weathering at top of hole						
15.0	45.7	Vt_int Intermediate Tuff Intermediate volcanoclastic rocks - bluish-grey, aphanitic to fine-grained, dominantly quartz and feldspar, weakly moderately foliated, trace (<1 %) pyrite th/o, variably bedded from tuff to lapilli tuff, (foliation @ 40deg to c.a.) - cbnt stringers throughout, some thin qtz+cbnt stringers, w/ bleached beige alteration halos - diorite dykes @ 17.3 - 17.7, 19.8-20.3, 21, 21.4-21.6, 25.1-25.9, 26.3, 26.5, 27.1-27.4, 33-33.5, 36-36.6, 38.7-39						
45.7	70.7	Vif Intermediate Volcanic Flow Intermediate metavolcanic rocks - (andesite-dacite flow) - light-grey, fine-grained quartz and feldspar, m.g amphibole phenocrysts, weak to moderately foliate, trace (<1%) pyrite th/o, sporadic thin (1-2mm) quartz/cbnt stringers th/o section -moderate potassic alteration (pinkish staining) with thin epidote fracture veins proximal to lower contact of unit with shear zone -mafic segment w/ py + tm @ 56.8-57.1						
70.7	71.5	ShZ Shear Zone Shear zone - High-strain zone, highly sheared unit, green-pinkish, mylonitic, possibly intermediate?, thin (1-2mm) quartz+cbnt stringers and tm stringers with potassic alt halos th/o the zone, trace to no pyrite within the shear						
71.5	75.0	Vif	72.0	73.0	886688	1.0	5	
		Intermediate Volcanic Flow	73.0	74.0	886689	1.0	10	
		Intermediate metavolcanic rocks - altered intermediate metavolcanic rock - moderate postassic alteration, pinkish-grey, medium-grained amphibole phenocrysts with fine-grained quartz and feldspar, moderately foliated, gradational upper contact with shear zone, 2-3% disseminated fine-grained pyrite	74.0	75.0	886690	1.0	15	
75.0	92.2	Sil	75.0	76.0	886691	1.0	46	
		Silicified Zone	76.0	77.0	886692	1.0	20	
		Silicified zone - Quartz flooded shear zone, up to 60% quartz at the start of the zone lowering to only 10-20% further	77.0	78.0	886693	1.0	96	
		in to the zone, dominantly blue-grey quartz stringers with some (2-3%) fine-grained pyrite, some more milky white	78.0	79.0	886694	1.0	252	
		sections of quartz with tourmaline stringers near the beginning of the zone, the amount of quartz decreases moving down through the zone	79.0	80.0	886695	1.0	113	

Benton Resources Inc.

Description			Assay - Sample							
			From	To	Sample number	Length	Au (ppb)			
75.0	92.2	Sil_Z Silicified Zone	80.0	81.0	886696	1.0	52			
			81.0	82.0	886697	1.0	34			
		Silicified Zone	82.0	83.0	886698	1.0	427			
			83.0	84.0	886699	1.0	21			
			84.0	85.0	886700	1.0	15			
			85.0	86.0	886701	1.0	32			
			86.0	87.0	886702	1.0	139			
			86.0	87.0	886703 (Std)	1.0	4030			
			86.0	87.0	886704 (BIn)	1.0	< 5			
			87.0	88.0	886705	1.0	87			
			88.0	88.6	886706	0.6	< 5			
			88.6	89.2	886707	0.6	< 5			
			89.2	90.2	886708	1.0	22			
			90.2	91.2	886709	1.0	21			
			91.2	92.2	886710	1.0	24			
			92.2	105.0	Vt_maf Mafic Tuff	92.2	93.2	886711	1.0	60
						93.2	94.2	886712	1.0	12
Banded magnetic unit - mafic tuff / banded magnetic unit, strongly foliated with thin (1-2 mm) bands of magnetite, pyrite and chlorite are generally found to be associated with the magnetite bands up to 5% fine-grained euhedral pyrite and weak to moderate chl alteration also observed with the bands	94.2	95.2			886713	1.0	17			
	95.2	96.2			886714	1.0	23			
	96.2	97.2			886715	1.0	121			
	97.2	98.2			886716	1.0	14			
	98.2	98.9			886717	0.7	14			
	98.9	99.5			886718	0.6	7			
	98.9	99.5			886719 (Std)	0.6	993			
	98.9	99.5			886720 (BIn)	0.6	< 5			
	99.5	100.5			886721	1.0	8			
	100.5	101.5			886722	1.0	< 5			

Benton Resources Inc.

Survey:	PL-19-07	Claims title:	287449	Section:	
		Township:	Slate Lake Area	Level:	
		Range:		Work place:	Ear Falls, ON
Contractor:	Rugged Aviation	Lot:			
Author:	Jvrzovski	Start date:	2019-02-21	Description date:	2019-02-25
		End date:	2019-02-24	Casing Removed?:	Yes

Collar

	UTM NAD83 z15
Dip:	-50.0°
Length:	210.0
	East 526441.00
	North 5646383.00
	Elevation 399.00

Down hole survey

Type	Depth	Azimuth	Dip	Invalid azimuth	Type	Depth	Azimuth	Dip	Invalid azimuth
Reflex	3.0	326.1°	-45.8°	No					
Reflex	210.0	327.6°	-38.5°	No					

Number of samples:	106	
Number of QAQC samples:	10	
Total sampled length:	94.8	

Description:

Core size: BTW-NQ	Cemented: No	Core Storage Location: on site - main zone at office	Stored: No
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Benton Resources Inc.

Description			Assay - Sample					
			From	To	Sample number	Length	Au (ppb)	
0.0	3.0	Ovb Overburden Overburden + Casing						
3.0	32.3	Vif Intermediate Volcanic Flow Intermediate metavolcanic rocks - light-grey, fine-grained quartz + feldspar w/ medium-grained black amphibole phenocrysts, some feldspar phenos, weak to moderate foliation (45 c.a.), w/ trace <1% f.g sub-euhedral pyrite, unit displays some more tuffaceous looking intervals, as well as two more mafic looking interbedded tuffaceous units @ 8.8, 9, 9.4, cbnt stringers th/o, intense cbnt stringers with bleached halos from 21 - 27m, moderate to intense potassic alteration (pinkish colouration) near lower contact with shear zone						
32.3	34.1	ShZ Shear Zone Shear zone - pinkish-green, high-strain zone, rock is aphanitic and mylonotized, very strong fabric 45-50d c.a., possibly highly sheared intermediate unit, thin quartz-carbonate stringers th/o, some tourmaline stringers, trace to no pyrite within the zone	33.1	34.1	886723	1.0	33	
34.1	35.4	Vif Intermediate Volcanic Flow Intermediate metavolcanic rock - light-grey, fine-grained quartz + feldspar w/ medium-grained black amphibole phenocrysts, some feldspar phenos, weak to moderate foliation (45 c.a.), unit is highly altered proximal to shear zone with thin (1-2mm) quartz+cbnt veins w/ potassic halos, up to 3% f.g. py in areas	34.1 34.7	34.7 35.4	886724 886725	0.6 0.7	< 5 7	
35.4	36.4	Vt_maf Mafic Tuff Mafic tuff? - highly sheared mafic tuffaceous unit?, green-black banded highly magnetitic with thin 1-2mm magnetite bands up to 20% f.g. py in sections, increase in py w/ more magnetite, chlorite and tourmaline banding throughout	35.4	36.4	886726	1.0	563	
36.4	36.8	Vif Intermediate Volcanic Flow Intermediate metavolcanic rocks - Intermediate metavolcanic rock - light-grey, fine-grained quartz + feldspar w/ medium-grained black amphibole phenocrysts, some feldspar phenos, weak to moderate foliation (45 c.a.), unit is highly altered proximal to shear zone with thin (1-2mm) quartz+cbnt veins w/ potassic halos, up to 3% f.g. py in areas	36.4	37.0	886727	0.6	10	
36.8	38.4	FP Feldspar Porphyry	37.0	38.0	886728	1.0	10	

Benton Resources Inc.

		Description	Assay - Sample				
			From	To	Sample number	Length	Au (ppb)
38.4	39.5	Feldspar porphyry - intial contact @ 36.8 - 37.05 with overlying metavolcanics marked by quartz + tm stringer vein w/ cbnt stringers, sheared upper contact with metavolcanics, up to 3% f.g py in this zone					
		The porphyry itself is bluish-grey with coarse to medium-grained feldspar (probably plagioclase) and are present ragning from 30 - 50%, fine grained groundmass of quartz and bioitite, weakly foliated texture to more moderately textured proximal to contacts, non-magnetic, with 2-5% sub-euhedral to euhedral py th/o					
		Vif	38.6	39.4	886834	0.8	10
		Intermediate Volcanic Flow	39.4	40.4	886835	1.0	10
		Intermediate metavolcanic rocks - light-grey, fine-grained quartz + feldspar w/ medium-grained black amphibole phenocrysts, weak potassic alteration, trace pyrite with two tuffaceous horizons - highly sheared black aphanitic bands w/ white cbnt. bands @ 38.5 - 38.6, 39.25-39.45					
39.5	43.4	FP	40.4	41.4	886836	1.0	11
		Feldspar Porphyry	41.4	42.4	886837	1.0	7
		FP - bluish-grey with coarse to medium-grained feldspar (probably plagioclase) and are present ragning from 30 - 50%, fine grained groundmass of quartz and bioitite, weakly foliated texture to more moderately textured proximal to contacts, non-magnetic, with 2-5% sub-euhedral to euhedral py th/o	42.4	43.4	886838	1.0	8
		- bleached white section around 42.7m, sheared unit, chl+ep fractures th/o, sheared lower contact, sharp upper contact, pyrite content increase near contacts					
43.4	46.5	Vt_maf	43.5	44.5	886729	1.0	9
		Mafic Tuff	44.5	45.5	886730	1.0	32
		Argillicious metasediment/mafic tuff - banded carbonate unit, very strongly foliated and cbnt. altered, cloudy-white cbnt bands and alternating black bioitie bands, trace magnetite bands 1-2mm thick making unit sporadically magnetic, minor blue-grey quartz within the unit	45.5	46.5	886731	1.0	17
46.5	51.0	FP	46.5	47.5	886732	1.0	< 5
		Feldspar Porphyry	47.5	48.5	886733	1.0	13
		FP - bluish-grey with coarse to medium-grained feldspar (probably plagioclase) and are present ragning from 30 - 50%, fine grained groundmass of quartz and bioitite, weakly foliated texture to more moderately textured proximal to contacts, non-magnetic, with 2-5% sub-euhedral to euhedral py th/o,	48.5	49.5	886734	1.0	12
		altered groundmass proximal to silicified zone, beige bleaching (sercite/albite?)	49.5	50.5	886735	1.0	6
			50.5	51.0	886736	0.5	10
51.0	62.7	Sil	51.0	52.0	886737	1.0	18
		Silicified Zone	52.0	52.5	886738	0.5	30
		Silicified zone - zone consists of variably silicified units but is marked by the presence of > 20% quartz	52.5	53.3	886739	0.8	55
		51 - 52.5 m - silicifed banded cbnt unit, highly deforemed with 30% blue-grey boudinaged quartz	53.3	54.2	886740	0.9	581

Benton Resources Inc.

		Description	Assay - Sample				
			From	To	Sample number	Length	Au (ppb)
		52.5 - 55.65 m - silicified FP with 3-5% fine-grained pyrite, cloudy white quartz vein with tm stringers and minor py @ 55.2 - 55.35m	54.2	55.2	886741	1.0	< 5
			55.2	55.7	886742	0.5	< 5
		55.65 - 57.3 - silicified-banded argillicious unit, intermediate dyke relatively underformed with sharp contacts @55.95 - 56.05	55.7	56.7	886743	1.0	7
			55.7	56.7	886744 (Std)	1.0	1780
		57.3 - 58 - silicified FP eith 3-5% fine-grained pyrite, greyish-white quartz vein 30 cm wide (57.7-58) with more of a smoky look on the vein margins and minor pyrite on the margins, thin tm stringers within the vein	55.7	56.7	886745 (Bln)	1.0	< 5
			56.7	57.3	886746	0.6	59
		58 - 58.35 banded argillite unit with 30% blue-grey quartz flooding	57.3	58.3	886747	1.0	28
		58.35 - 58.6 - intermediate dyke,unmineralized looking with sharp contacts	58.3	58.6	886748	0.3	20
		58.6 - 60.3 - silicified banded cbnt. unit	58.6	59.6	886749	1.0	23
		60.3 - 60.9 - unsilicified banded cbnt unit	59.6	60.3	886750	0.7	79
		60.9 - 61.65 - silicified banded cbnt unit	60.3	60.9	886751	0.6	37
		61.65 - 62.1 - unsilicified banded cbnt unit	60.9	61.6	886752	0.7	259
		62.1 - 62.7 silicified banded cbnt unit (End of main zone)	61.6	62.1	886753	0.5	30
		Minor sulphide associated with quartz in the zone, only pyrite up 5% observed th/o this zone	62.1	62.7	886754	0.6	90
51.0	62.7	Sil_Z Silicified Zone Silicified zone					
62.7	73.9	Vt_maf Mafic Tuff	62.7	63.5	886755	0.8	78
			63.5	64.5	886756	1.0	25
		BMU/ Mafic tuff / argillicious metasediment (BMU) - highyl strained - blackish-green, argillicious metasediment/mafic tuffaceous unit, fine grained o aphanitic w/ f.g biotite, +/- magnetite bands (1-2 mm) sporadic th/o, usually	64.5	65.5	886757	1.0	49
		associated chl + py, trace sulphide th/o unit, with kick up to 8-10% in f.g bands running parallel to fabric associated	65.5	66.5	886758	1.0	31
		w/ cbnt+chl+mgnt, cbnt stringers th/o	66.5	67.5	886759	1.0	21
		Boudingaed qtz veins w/ chl+py halos @ 63.5, 65, 66.4, 67.4, 67.6, 68.6, 68.7	67.5	68.5	886760	1.0	9
		72.3 - 72.9m - sheared diorite unit?	68.5	69.5	886761	1.0	6
73.9	75.7	Dyk_Int Intermediate Dyke	73.9	74.6	886762	0.7	< 5
			74.6	75.7	886763	1.1	< 5
		Intermediate dyke? - fine=grained, grey, w relict feldspar phenos, relatively undeformed, 1-2% f.g pyrite th/o unit, sharp contacts	74.6	75.7	886764 (Std)	1.1	883
		@74.8-74.9 and 74.5 tourmaline + qtz vein with 1-2 cm potassic alteration halo, up to 5% fine - medium grade	74.6	75.7	886765 (Bln)	1.1	< 5
		euهدral py proximsl to vein					
75.7	77.4	Vt_maf	75.7	76.7	886766	1.0	< 5

Benton Resources Inc.

Description		Assay - Sample					
		From	To	Sample number	Length	Au (ppb)	
	Mafic Tuff	76.7	77.4	886767	0.7	< 5	
	Mafic tuff / BMU - bluish-grey with coarse to medium-grained feldspar (probably plagioclase) and are present ranging from 30 - 50%, fine grained groundmass of quartz and biotite, weakly foliated texture to more moderately textured proximal to contacts, non-magnetic, with 2-5% sub-euhedral to euhedral py th/o						
77.4	80.0	Sil	77.4	78.0	886768	0.6	< 5
	Silicified Zone	78.0	79.0	886769	1.0	< 5	
	Silicified zone - quartz + tm flooded zone, cloudy-grey quartz w/ tm stringers up to 5% pyrite associated with veining, qtz+tm stringers are 30-40% abundant \, quartz is more milky white and irregular @ start of the zone	79.0	80.0	886770	1.0	< 5	
80.0	90.3	Vt_maf	80.0	81.0	886771	1.0	< 5
	Mafic Tuff	81.0	82.0	886772	1.0	< 5	
	Mafic tuff / BMU - bluish-grey with coarse to medium-grained feldspar (probably plagioclase) and are present ranging from 30 - 50%, fine grained groundmass of quartz and biotite, weakly foliated texture to more moderately textured proximal to contacts, non-magnetic, with 2-5% sub-euhedral to euhedral py th/o	82.0	83.0	886773	1.0	< 5	
	- minor quartz zones @ 87.6m and 86m	89.0	90.0	886774	1.0	< 5	
		90.0	91.0	886775	1.0	< 5	
90.3	92.9	Sil	91.0	91.7	886776	0.7	< 5
	Silicified Zone	91.7	92.3	886777	0.6	< 5	
	Weakly silicified zone within banded magnetite unit, 10-20% grey-blue banded quartz with 2-3% pyrite, minor quartz veins @ 92-92.3 and 91.6	92.3	93.0	886778	0.7	5	
92.9	96.7	Vt_maf	93.0	94.0	886779	1.0	47
	Mafic Tuff	94.0	95.0	886780	1.0	15	
	BMU - banded carbonate unit, very strongly foliated and cbnt. altered, cloudy-white cbnt bands and alternating black biotite bands, trace magnetite bands 1-2mm thick making unit sporadically magnetic, minor blue-grey quartz within the unit	95.0	96.0	886781	1.0	44	
		96.0	97.0	886782	1.0	12	
		96.0	97.0	886783 (Std)	1.0	895	
		96.0	97.0	886784 (BIn)	1.0	< 5	
96.7	100.0	Sil	97.0	98.0	886785	1.0	< 5
	Silicified Zone	98.0	99.0	886786	1.0	7	
	Weakly silicified zone - weakly silicified banded unit up to 20% blue-grey quartz w/ minor cloudy white quartz veining, up to 3% py	99.0	100.0	886787	1.0	< 5	
100.0	102.5	Vif	100.0	101.0	886788	1.0	< 5
	Intermediate Volcanic Flow	101.0	102.0	886789	1.0	< 5	
	Banded intermediate unit - highly sheared intermediate unit? - greyish-white, fine-grained dominantly quartz and	102.0	103.0	886790	1.0	5	

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		Description	Assay - Sample				
			From	To	Sample number	Length	Au (ppb)
102.5	105.1	feldspar bands with some biotite bands, and patchy chl alteration, sporadically magnetic (some magnetite bands), some tourmaline bands that have been boudinaged, trace pyrite with gradational upper and lower contacts,	103.0	104.0	886791	1.0	< 5
		Sil Silicified Zone Weakly silicified zone - weakly silicified banded unit up to 20% blue-grey quartz w/ minor cloudy white quartz veining, up to 3% py	104.0	105.0	886792	1.0	< 5
105.1	111.8	Vif Intermediate Volcanic Flow highly sheared intermediate unit? - greyish-white, fine-grained dominantly quartz and feldspar bands with some biotite bands, and patchy chl alteration, sporadically magnetic (some magnetite bands), some tourmaline bands that have been boudinaged, trace pyrite with gradational upper and lower contacts,	111.0	112.0	886793	1.0	9
111.8	114.6	Sil	112.0	113.0	886794	1.0	8
		Silicified Zone	113.0	114.0	886795	1.0	< 5
		Weakly silicified zone - weakly silicified intermediate unit, highly sheared with 10-20% quartz bands and up to 3% py in sections associated with the quartz, gradational upper and lower contacts, cbnt. stringers th/o	114.0	115.0	886796	1.0	6
114.6	141.5	Vif Intermediate Volcanic Flow Sheared intermediate unit - highly sheared intermediate unit? - greyish-white, fine-grained dominantly quartz and feldspar bands with some biotite bands, and patchy chl alteration, sporadically magnetic (some magnetite bands), some tourmaline bands that have been boudinaged, trace pyrite with gradational upper and lower contacts,	141.0	142.0	886797	1.0	17
141.5	151.6	Vt_int	142.0	143.0	886798	1.0	10
		Intermediate Tuff	143.0	144.0	886799	1.0	< 5
		Sheared intermediate tuff - highly sheared and strongly silicified tuffaceous unit	144.0	145.0	886800	1.0	40
		141.5 - 144 - bleached and strongly foliated tuffaceous/fragmental unit w/ disseminate f.g py and pyrite stringers up to 20%, vuggy texture giving rock a weathered appearance (possibly cbnt alt?), brown-beige in colour / greyish-green	145.0	146.0	886801	1.0	< 5
		in spots with more chl alteration, possibly contains relict feldspar phenos, possibly more felsic in composition	146.0	147.0	886802	1.0	< 5
		grading into more intermediate, quartz + tm veins @ 144 - 144.15, 145.7-145.9, 147.15-147.3, 147.5-147.7,	147.0	148.0	886803	1.0	< 5
		148.4-149, 151.1 increased pyrite/bleached alteration halos surrounding veins	147.0	148.0	886804 (Std)	1.0	867
			147.0	148.0	886805 (Bln)	1.0	< 5
			148.0	149.0	886806	1.0	8
	149.0	150.0	886807	1.0	< 5		
	150.0	151.0	886808	1.0	< 5		

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Description			Assay - Sample				
			From	To	Sample number	Length	Au (ppb)
151.6	176.1	Vmf Mafic Volcanic Flow Silicified mafic metavolcanic flows? - bluish-grey with medium grained amphibole phenocrysts, unit is very hard potentially silicification, potential chl alteration througout unit as well, lower contact is markd by a chl shear unit is magnetic th/o, possibly contains trace disseminated magnetite, Silicified zone with quartz veining @ 162.1 - 163.55 with up to 10% py	151.0	152.0	886809	1.0	< 5
			152.0	153.0	886810	1.0	< 5
			160.0	161.0	886811	1.0	< 5
			161.0	162.0	886812	1.0	< 5
			162.0	162.9	886813	0.9	< 5
			162.9	163.6	886814	0.7	< 5
			163.6	164.0	886815	0.4	< 5
			164.0	165.0	886816	1.0	9
			165.0	166.0	886817	1.0	7
			166.0	167.0	886818	1.0	9
			167.0	168.0	886819	1.0	< 5
			168.0	169.0	886820	1.0	< 5
			169.0	170.0	886821	1.0	10
			170.0	170.4	886822	0.4	7
			170.4	170.8	886823	0.4	< 5
			170.8	171.3	886824	0.5	8
			170.8	171.3	886825 (Std)	0.5	988
			170.8	171.3	886826 (Bln)	0.5	< 5
			171.3	172.0	886827	0.7	< 5
			172.0	173.0	886828	1.0	< 5
173.0	174.0	886829	1.0	< 5			
174.0	175.0	886830	1.0	< 5			
175.0	176.0	886831	1.0	< 5			
176.0	177.0	886832	1.0	< 5			
176.1	210.0	Vmf Mafic Volcanic Flow Various mafic flows - dark-green to black, varios mafic metavolcanic flows with gradational contacts, flows can vary from black and aphanitic to medium grained with amphibole phenocrysts, als some flows contain feldspar megacrysts, these units are variable magnetic and contain only trace sulphides	177.0	178.0	886833	1.0	< 5

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Survey:	PL-19-08	Claims title:	188211	Section:	
		Township:	Slate Lake Area	Level:	
		Range:		Work place:	Ear Falls, ON
Contractor:	Rugged Aviation	Lot:			
Author:	JVrzovski	Start date:	2019-02-28	Description date:	2019-03-07
		End date:	2019-03-06	Casing Removed?:	Yes

Collar

UTM NAD83 z15

Dip:	-45.0°	East	527970.00
Length:	319.0	North	5645194.00
		Elevation	390.00

Down hole survey

Type	Depth	Azimuth	Dip	Invalid azimuth	Type	Depth	Azimuth	Dip	Invalid azimuth
Reflex	9.0	357.3°	-46.1°	No					
Reflex	94.0	354.8°	-41.9°	No					
Reflex	169.0	355.4°	-37.9°	No					
Reflex	244.0	354.9°	-36.0°	No					
Reflex	319.0	359.4°	-33.8°	No					

Number of samples:	104
Number of QAQC samples:	8
Total sampled length:	89.7

Description:

Core size: BTW-NQ	Cemented: No	Core Storage Location: on site - main mineralized zones at of...	Stored: No
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Description			Assay - Sample					
			From	To	Sample number	Length	Au (ppb)	
0.0	9.0	Ovb Overburden Start of hole + casing - rubbly granitic fragments at the start of the hole						
9.0	41.5	Ark Arkose - Siltstone Medisedimentary rocks - sandstones to siltstones, very fine-grained, variably bedded metasediments grey to grey-white in colour, variably bedded from thinnly bedded (mm scale) to massively bedded (m scale), metasedimentary units that are more thinnly bedded are more clay-rich, while the more thickly bedded units are more siliceous, schistose fabric throughout unit, non-magnetic, does not contain any sulphides Sediments are cut by irregular white to greyish quartz+carbonate+feldspar veins, veins range from 5-10cm in width are sporadic and contain 2-3% blebby pyrrhotite with trace pyrite and chalcopyrite, veins occur at 12.5-12.6, 30.1-30.15, 30.3-30.35, 30.45-30.55, 36.4-36.5						
41.5	76.3	Gms	69.0	70.0	886839	1.0	< 5	
		Graphitic metasediments	70.0	71.0	886840	1.0	< 5	
		Graphitic metasediments - dominantly black, graphite rich metasedimentarty rocks, that can be variably bedded and are interbedded with silistone and more sandstone like units, very-soft and crumbly, non-magnetic, schistose fabric, no sulphides present	71.0	72.0	886841	1.0	< 5	
			72.0	73.0	886842	1.0	5	
		Quartz+cbnt+feldspar veins - with blebby pyrrhotite up to 15% in vein with lesser amounts of chalcopyrite and pyrite, weak chlorite alteration (greenish discoloration) proximal to veins, veins are irregular and sporadic , quartz is clear white-grey in colour, cloudy white feldspar on vein margins, veins @ 50.5, 54.5, 55.05, 55.35, range in size from 3-10 cm	73.0	74.0	886843	1.0	< 5	
			74.0	75.0	886844	1.0	< 5	
75.0	76.0	886845	1.0	< 5				
76.3	86.5	Ark Arkose - Siltstone Metasedimentary rocks - sandstones to siltstones, very fine-grained, variably bedded metasediments grey to grey-white in colour, variably bedded from thinnly bedded (mm scale) to massively bedded (m scale), metasedimentary units that are more thinnly bedded are more clay-rich, while the more thickly bedded units are more siliceous, schistose fabric throughout unit, non-magnetic, does not contain any sulphides 5-10 cm quartz+cbnt+feldspar veins occur 5-10% from 82-86m, trace sulphides in the veins, creamy-brown halos surrounding the veins (possibly weak serecite alt)						
86.5	88.9	Gms Graphitic metasediments Graphitic metasediments - dominantly black, graphite rich metasedimentarty rocks, that can be variably bedded						

Benton Resources Inc.

		Description	Assay - Sample				
			From	To	Sample number	Length	Au (ppb)
88.9	105.0	and are interbedded with silistone and more sandstone like units, very-soft and crumbly, non-magnetic, schistose fabric, no sulphides present Ark Arkose - Siltstone Metasedimentary rocks - sandstones to siltstones, very fine-grained, variably bedded metasediments grey to grey-white in colour, variably bedded from thinnly bedded (mm scale) to massively bedded (m scale), metasedimentary units that are more thinnly bedded are more clay-rich, while the more thickly bedded units are more siliceous, schistose fabric throughout unit, non-magnetic, sulphides present 2-3% dominantly pyrrhotite in stringers parallel to bedding					
105.0	105.3	ShZ Shear Zone Graphitic shear zone - black, highly sheared graphitic sediments with cbnt stringers th/o, rock is very crumbly and broken, 2-3% pyrrhotite stringers present within the shear					
105.3	106.0	Sil Silicified Zone Silicified metasedimentary rocks - highly siliceous metasediments with 15-20% banded blue-grey quartz, with up to 5% sulphide associated with quartz, dominantly pyrrhotite with some trace pyrite					
106.0	107.2	Vt_fel Felsic Tuff Sericite altered felsic tuff - siliceous felsic tuff, fine-grained quartz and feldspar, possibly a sandstone, unit is a beige-grey colour, possible pervasive sericite alteration throughout unit, patchy quartz+cbnt stringers from 106.3-106.6, trace to no sulphides present within the unit	106.2	107.2	886846	1.0	< 5
107.2	111.5	Sil Silicified Zone Silicified metasediments - quartz flooded zone, silicified metasediments with 40-50% bluish-grey bands of quartz that are boudinaged and brecciated in some sections, moderate sericite (beige bleaching) and chlorite alteration within this section associated with quartz, tourmaline stringers in quartz-rich sections, trace sulphide 2-3% dom. pyrrhotite occurring parallel to rock fabric, 6cm wide massive pyrrhotite vein @ 109.3 and 109.6, minor pyrite blebs within the pyrrhotite veins	107.2	108.2	886847	1.0	11
			108.2	109.2	886848	1.0	< 5
			109.2	110.2	886849	1.0	19
			110.2	111.2	886850	1.0	13
			111.2	111.5	886851	0.3	< 5
111.5	121.9	Vt_fel Felsic Tuff Felsic tuff - possibly sandstone, greyish-blue, aphanitic groundmass, with pervasive cbnt. alteration th/o, minor relict	111.5	112.5	886852	1.0	< 5

Benton Resources Inc.

Description			Assay - Sample					
			From	To	Sample number	Length	Au (ppb)	
121.9	122.8	feldspar? phenocrysts, minor beige bleaching in some areas, ser alt, proximal to upper contact, non-magnetic, no sulphides present within unit, weak foliation fabric Gms Graphitic metasediments						
122.8	125.7	Graphitic metasediments - thinly bedded, vfg, black, graphite rich metasediments, cbnt. banding parallel to bedding, 2-3% sulphide also parallel to fabric/relict bedding, dom. pyrrhotite Vt_fel Felsic Tuff						
125.7	142.7	Felsic tuff - possibly sandstone, greyish-blue, aphanitic groundmass, with pervasive cbnt. alteration th/o, minor relict feldspar? phenocrysts, minor beige bleaching in some areas, ser alt, non-magnetic, no sulphides present within unit, weak foliation fabric Gms	126.0	127.0	886853	1.0	< 5	
		Graphitic metasediments	127.0	128.0	886854	1.0	< 5	
		Sulphidized graphitic metasediments - variably bedded, dominantly black graphite rich metasediments, vfg, sulphides are present throughout the entire unit ranging in abundance from 3-20%, dominantly pyrrhotite with trace amounts of pyrite and rarer occurrences of chalcopyrite and possibly sphalerite and arsenopyrite, sulphides dominantly form in stringers parallel to bedding/schistose fabric but are not restricted to these and can cross-cut, sulphide abundance increases proximal to silicification and or quartz veining	128.0	129.0	886855	1.0	< 5	
		- silicified zone with 20 - 40% quartz 127.5 - 127.9, 128.5-128.7, 131.4-132.3, 132.8-133.3	129.0	130.0	886856	1.0	< 5	
		- 10 cm wide alabaster white quartz vein w/ 50% coarse-grained pyrite and brecciated clasts of metasediments	130.0	130.4	886857	0.4	< 5	
		- gradational lower contact	130.4	131.4	886858	1.0	5	
			131.4	132.4	886859	1.0	15	
			131.4	132.4	886860 (Std)	1.0	1770	
			131.4	132.4	886861 (BIn)	1.0	< 5	
			132.4	133.4	886862	1.0	16	
			133.4	133.7	886863	0.3	12	
			133.7	134.7	886864	1.0	< 5	
			134.7	135.2	886865	0.5	< 5	
			135.2	136.0	886866	0.8	21	
			136.0	136.6	886867	0.6	50	
			141.0	142.0	886868	1.0	< 5	
			142.0	142.8	886869	0.8	< 5	
142.7	146.6	Sil Silicified Zone	142.8	143.8	886870	1.0	< 5	
		Silicified zone - gradational upper contact with pale blue-grey bleaching of black ms (silicification) into massive	143.8	144.1	886871	0.4	< 5	
			144.1	144.4	886872	0.3	11	

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		Description	Assay - Sample				
			From	To	Sample number	Length	Au (ppb)
146.6	155.4	quartz section, white-grey cherty looking quartz, surrounded by tm + ser + chl, sulphides intermittent th/o quartz up to 5%, pyrite and possibly some arsenopyrite @144.1-144.3 - massive pyrrhotite vein, vein is 85-90% pyrrhotite with some blebby pyrite and carbonate/silica fragments, surrounding pyrth vein for 20 cm on either side of vein is intense chlorite+ser+epidote+magnetite alteration with quartz fragments - smaller 5cm wide pyrrhotite veins @145.1-145.3 and 145.4 @145.5 - back into silicified ms with 25-40% sulphide bands, dom. pyrrhotite > pyrite (10:1)	144.4	145.0	886873	0.6	< 5
			145.0	146.0	886874	1.0	7
			146.0	146.6	886875	0.7	7
		Gms Graphitic metasediments Sulphidized graphitic metasediments - variably bedded, dominantly black graphite rich metasediments, vfg, sulphides are present throughtout the entire unit ranging in abundance from 3-20%, domiantly pyrrhotite with trace amounts of pyrite and rarer occurrences of chalcopyrite and possibly sphalerite and arsenopyrite, sulphides dominantly form in stringers prallel to bedding/schistose fabric but are not restricted to these and can cross-cut, sulphide abundace increases proximal to silicification and or quartz veining Quartz +/- carbonate veins @150.2 - 150.5 and 150.65 with some pyrrhotite and trace chalcopyrite	146.6	147.5	886876	0.9	< 5
			147.5	148.5	886877	1.0	7
			148.5	149.5	886878	1.0	9
			149.5	150.2	886879	0.7	< 5
			149.5	150.2	886880 (Std)	0.7	865
			149.5	150.2	886881 (BIn)	0.7	< 5
			150.2	150.7	886882	0.5	7
			150.7	151.7	886883	1.0	7
			151.7	152.7	886884	1.0	12
			152.7	153.5	886885	0.8	14
155.4	156.9	Sil Silicified Zone Silicified zone + massive pyrrhotite vein - Dominantly , grey-white cherty quartz with 5-15% sulphide from 155.35 - 155.95, Massive pyrrhotite vein from 156.05-156.3 with 10cm before and 20cm after alteration halo consisting of chl+ser+epidote+mgnt, vein is 80-85% massive pyrrhotite with 5% blebby pyrite within it as well as 10% quartz/carbonate fragments 156.5 - 156.85 - silicified m/s w/ 35-40% pyrth > py (8:1) in bands parallel to bedding	153.5	154.5	886886	1.0	< 5
			154.5	155.5	886887	1.0	6
			155.5	156.0	886888	0.5	5
			156.0	156.5	886889	0.6	35
			156.5	156.9	886890	0.4	12
			156.9	206.5	Gms Graphitic metasediments Graphitic metasediments - graphitic metasediments mixed with siliciclastics and siltstones, variably bedded, graphitic metasediments are sporadically sulphidized from 3-10% sulphide dominantly pyrrhotite with minor pyrite	156.9	157.9
157.9	159.0	886892				1.1	< 5
180.0	181.0	886937				1.0	15
181.0	182.0	886938				1.0	19

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Description			Assay - Sample				
			From	To	Sample number	Length	Au (ppb)
206.5	207.8	ShZ Shear Zone Graphitic shear zone - highly strained graphitic shear, thin (1-2mm) cbnt stringers tho/o, trace pyrrhotite is present within the shear, rock is very blocky and crumbly, metasediments proximal to the shear see and slight increase in the amount of sulphide present	182.0	183.0	886939	1.0	< 5
			197.0	198.0	886940	1.0	46
			198.0	199.0	886941	1.0	6
			199.0	200.0	886942	1.0	< 5
			200.0	201.0	886943	1.0	15
			201.0	202.0	886944	1.0	24
			202.0	203.0	886945	1.0	13
			203.0	204.0	886946	1.0	7
207.8	213.1	Gms Graphitic metasediments Graphitic metasediments - graphitic metasediments mixed with siliciclastics and siltstones, variably bedded, graphitic metasediments are sporadically sulphidized from 3-10% sulphide dominantly pyrrhotite with minor pyrite occurring as stringers with cbnt. concordant to relict bedding, late cbnt. veins cross-cut core sporadical - ly tho/o this section and can range in size from 1-3mm - minor silicified zones @ 209.8 - 210.2, 211.1 - 211.8 - 5 cm massive pyrrhotite vein @ 212.5m	209.0	210.0	886893	1.0	< 5
			210.0	211.0	886894	1.0	< 5
			211.0	212.0	886895	1.0	< 5
			212.0	213.1	886896	1.1	< 5
213.1	219.0	Sil Silicified Zone Silicified metasedimentary units - Quartz content ranges from 40-60% within this zone, low sulphide 3-5% th/o, dominantly pyrrhotite with trace pyrite also present, quartz is blue-grey in colour and is boudinaged parallel to rock fabric, quartz is seperated by graphitic metasediments, quartz content decreases towards the bottom of this unit, gradational upper and lower contacts, marked by the appearance of quartz	213.1	214.0	886897	0.9	< 5
			214.0	215.0	886898	1.0	< 5
			215.0	216.0	886899	1.0	< 5
			215.0	216.0	886900 (Std)	1.0	1820
			215.0	216.0	886901 (BIn)	1.0	< 5
			216.0	217.0	886902	1.0	< 5
			217.0	218.0	886903	1.0	< 5
218.0	219.0	886904	1.0	< 5			
219.0	234.8	Gms	222.5	223.5	886948	1.0	< 5

Benton Resources Inc.

		Description	Assay - Sample				
			From	To	Sample number	Length	Au (ppb)
234.8	238.3	Graphitic metasediments	223.5	224.5	886949	1.0	< 5
		Graphitic metasediments - graphitic metasediments mixed with siliciclastics and siltstones, variably bedded, graphitic metasediments are sporadically sulphidized from 3-10% sulphide dominantly pyrrhotite with minor pyrite occurring as stringers with cbnt. concordant to relict bedding, late cbnt. veins cross-cut core sporadically th/o this section and can range in size from 1-3mm	224.5	225.5	886950	1.0	6
238.3	253.9	Vt_fel Felsic Tuff					
		Felsic tuff - possibly sandstone, greyish-blue, aphanitic groundmass, with pervasive cbnt. alteration th/o, minor relict feldspar? phenocrysts, minor beige bleaching in some areas, ser alt, non-magnetic, no sulphides present within unit, weak foliation fabric					
253.9	261.9	Vt_maf Mafic Tuff					
		Mafic tuff? possibly a mafic flow - light-green, fine-grained chlorite+epidote rich with cbnt. stringers parallel to rock fabric th/o, trace (<1%) f.g pyrite observed within this unit, contacts with metasediments appear to be gradational, moderately foliated					
261.9	271.3	Gms	259.0	260.0	886905	1.0	< 5
		Graphitic metasediments	260.0	261.0	886906	1.0	< 5
		Graphitic metasediments - graphitic metasediments mixed with siliciclastics and siltstones, variably bedded, graphitic metasediments are sporadically sulphidized from 3-10% sulphide dominantly pyrrhotite with minor pyrite occurring as stringers with cbnt. concordant to relict bedding, late cbnt. veins cross-cut core sporadically th/o this section and can range in size from 1-3mm	261.0	261.9	886907	0.9	< 5
261.9	271.3	MZ	261.9	262.9	886908	1.0	10
		Mineralized Zone	262.9	263.7	886909	0.8	137
		Altered felsic to intermediate volcanic rocks -	263.7	264.3	886910	0.6	18
		261.9 - 265.8 - start of zone is a grey-white crystal tuff, with 1-3% pyrrhotite disseminated th/o, grades into a lapilli-stone that is highly fragmental containing siliceous and feldspathic lapilli-sized fragments that have been cemented by pyrrhotite stringers composing 15-20% of the unit, unit is moderately strained and highly magnetic	264.3	265.0	886911	0.7	14
		265.8 - 266.4 - interval of graphitic metasediments, w/ cbnt. and pyrrhotite stringers th/o, 10% sulphide, dominantly pyrrhotite with minor pyrite	265.0	265.8	886912	0.8	28
		266.4 - 267.1 - altered felsic volcanic unit with quartz veining and disseminated arsenopyrite, possibly felsic tuff, unit is variably sericite altered and silicified in sections, very fine to fine-grained arsenopyrite th/o unit some more medium-grained arsenopyrite associated with quartz veining, 3-5% pyrrhotite stringers also present th/o unit	265.8	266.4	886913	0.6	160
			266.4	267.1	886914	0.7	36
			267.1	267.8	886915	0.7	164
			267.8	268.3	886916	0.5	94
	268.3	269.0	886917	0.7	19		

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Description			Assay - Sample				
			From	To	Sample number	Length	Au (ppb)
271.3	283.3	Vt_fel Felsic Tuff Weakly to moderately altered felsic tuff - blue-grey with weak/patchy beige bleaching (possibly sercite alt.) very fine-grained felsic tuff with 20% relict feldspar phenocrysts, trace pyrrhotite stringers present within unit 3-8%, decrease in abundance moving towards lower contact of the unit,	269.0	269.6	886918	0.6	26
			269.6	270.5	886919	0.9	43
			269.6	270.5	886920 (Std)	0.9	1960
			269.6	270.5	886921 (Bln)	0.9	< 5
			270.5	271.2	886922	0.7	150
			271.2	272.2	886923	1.0	156
			272.2	273.2	886924	1.0	329
			273.2	274.0	886925	0.8	31
			274.0	275.0	886926	1.0	244
			275.0	276.0	886927	1.0	45
			276.0	277.0	886928	1.0	302
			277.0	278.0	886929	1.0	74
			278.0	278.9	886930	0.9	227
			278.9	279.2	886931	0.3	42
			279.2	280.0	886932	0.8	< 5
			280.0	281.0	886933	1.0	14
281.0	281.4	886934	0.4	33			
281.4	281.8	886935	0.4	36			
281.8	282.8	886936	1.0	5			
283.3	319.0	V_maf Mafic Volcanic Mafic metavolcanic rocks (possibly mafic tuff) - light green to dark green, chlorite + epidote rich, very f.g. with cbnt. stringers parallel to rock fabric th/o unit, non-magnetic, with trace (<1%) f.g. py th/o the unit					

Benton Resources Inc.

Survey:	PL-19-09	Claims title:	188211	Section:	
		Township:	Slate Lake Area	Level:	
		Range:		Work place:	Ear Falls, ON
Contractor:	Rugged Aviation	Lot:			
Author:	JVrzovski	Start date:	2019-03-07	Description date:	2019-03-12
		End date:	2019-03-09	Casing Removed?:	No

Collar

UTM NAD83 z15

Dip:	-45.0°	East	527970.00
Length:	147.0	North	5645194.00
		Elevation	390.00

Down hole survey

Type	Depth	Azimuth	Dip	Invalid azimuth	Type	Depth	Azimuth	Dip	Invalid azimuth

Number of samples:	34
Number of QAQC samples:	4
Total sampled length:	29.5

Description:

Core size: BTW-NQ	Cemented: No	Core Storage Location: on site - mineralized zone at office	Stored: No
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Benton Resources Inc.

Description			Assay - Sample					
			From	To	Sample number	Length	Au (ppb)	
0.0	12.0	Ovb Overburden Overburden + casing - rubbly start of hole with grenitic fragments and sedimentary fragents						
12.0	65.4	Ark	24.5	25.2	886951	0.7	< 5	
		Arkose - Siltstone	25.2	25.5	886952	0.3	27	
		Metasedimetns - greenish-grey, vfg, variably bedded from thin to thick, some more clay rich units that are thinnly bedded, inter-layered with more siliciclastic units that are more thickly bedded, weak to moderate foliation th/o, variable and sporadic quartz+feldspa veins with 2-3% pyrrhotite +/- chalcopyrite within the veins or along the margins, veins are irregular and can cross-cut primary bedding	25.5	26.0	886953	0.5	< 5	
		Quartz veins @ 13.5, 19.1, 24.8, 24.9, 30.5, 31.5 - veins range in size from 1 - 10 cm, greyish white w/ cloudy white feldspar on veing margins	30.0	31.0	886954	1.0	< 5	
			31.0	32.0	886955	1.0	7	
			32.0	33.0	886956	1.0	< 5	
			63.8	64.8	886957	1.0	6	
			63.8	64.8	886958 (Std)	1.0	1810	
			63.8	64.8	886959 (BIn)	1.0	< 5	
	64.8	65.0	886960	0.2	10			
	65.0	66.0	886961	1.0	< 5			
65.4	65.6	BIF Banded iron formation BIF - small 20 cm thick banded iron formation, strongly magnetic with a brick red colour and alternating layers of chert and magnetite, vfg trace pyrite th/o the zone marks the contact between overlying metasedimentary rocks and underlying felsic metavolcanic rocks						
65.6	95.4	Vf_fel	91.2	91.9	886962	0.7	< 5	
		Felsic volcanic flow	91.9	92.4	886963	0.5	12	
		Felsic volcanic flow (rhyolite/dacite) - also possibly a felsic tuff and or siliceous metaseiment, very-fine grained quartz+feldspar, beige-grey possibly some sercite, highly siliceous with some quartz + carbonate veins with blebby pyrrhotite and chalcopyrite @ 75, 78 and 82m	92.4	93.0	886964	0.6	< 5	
			93.0	93.5	886965	0.5	< 5	
			93.5	94.5	886966	1.0	< 5	
			94.5	95.4	886967	0.9	< 5	
95.4	147.0	FP	95.4	96.0	886968	0.6	< 5	
		Feldspar Porphyry	96.0	97.0	886969	1.0	181	
		Feldspar porphyry - dark blue-grey (fresh), beige-grey (altered), medium to coarse grained feldspar phenocrysts surrounded by very fine-grained quartz and biotite groundmass, fedspar phenos range in abundace from 40-60% of the unit and can display zoning, intrusion is massive to only weakly deformed along upper contact margins	97.0	98.0	886970	1.0	435	
			98.0	99.0	886971	1.0	33	
			99.0	100.0	886972	1.0	34	

Benton Resources Inc.

Description	Assay - Sample				
	From	To	Sample number	Length	Au (ppb)
Quartz stockwork veining at upper contact 96 - 105 m, with 20-30% grey-white quartz and very fine to fine-grained arsenopyrite, the porphyry is bleached beige surrounding quartz veins (possible sericite/albite alteration), arsenopyrite is more highly concentrated between 99-102 m where alteration and veining is most intense, arsenopyrite can be up to 10% and occur as coarse-grained blebs within the quartz veins, after 105 m porphyry is relatively unaltered with thin sericite veins with bleached halos th/o the rest of the unit, minor to moderate alteration from 122 - 135m however only trace to no arsenopyrite within this section	100.0	101.0	886973	1.0	449
	101.0	102.0	886974	1.0	402
	102.0	103.0	886975	1.0	10
	103.0	104.0	886976	1.0	< 5
	104.0	105.0	886977	1.0	< 5
	104.0	105.0	886978 (Std)	1.0	1910
	104.0	105.0	886979 (BIn)	1.0	< 5
	105.0	106.0	886980	1.0	< 5
	106.0	107.0	886981	1.0	< 5
	107.0	108.0	886982	1.0	< 5
	113.0	114.0	886983	1.0	< 5
	123.8	124.8	886984	1.0	19
	127.1	128.1	886985	1.0	18
	134.8	135.8	886986	1.0	5
	139.5	140.5	886987	1.0	13
144.3	145.3	886988	1.0	< 5	

Appendix II

Panama Project Assays and Certificates



Date Submitted: 24-Jan-19
Invoice No.: A19-01331
Invoice Date: 06-Feb-19
Your Reference: 1987-07

Benton Resources Inc.
684 Squier Street
Thunder Bay ON P7B 4A8
Canada

ATTN: Mike Stares

CERTIFICATE OF ANALYSIS

37 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

Code 1E3-Tbay Aqua Regia ICP(AQUAGEO)

REPORT **A19-01331**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

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:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with a large, stylized 'E' and 'S'.

Emmanuel Esemé , Ph.D.
Quality Control

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

Results

Activation Laboratories Ltd.

Report: A19-01331

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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
886501	33	< 0.2	< 0.5	11	525	< 1	8	7	47	1.52	4	24	39	< 0.5	< 2	2.99	19	33	3.00	< 10	< 1	1.05	75
886502	18	< 0.2	< 0.5	81	680	< 1	153	< 2	72	3.51	5	< 10	300	0.7	< 2	2.95	32	368	5.07	10	< 1	2.13	48
886503	17	< 0.2	< 0.5	82	701	< 1	116	< 2	60	3.28	< 2	< 10	269	0.7	< 2	3.57	30	363	4.81	10	< 1	1.87	52
886504	13	< 0.2	< 0.5	56	692	< 1	127	< 2	60	3.32	2	< 10	305	0.5	< 2	3.00	31	393	4.94	10	< 1	1.79	58
886505	13	< 0.2	< 0.5	40	785	< 1	72	< 2	57	2.95	3	< 10	153	< 0.5	< 2	3.91	23	303	4.51	< 10	< 1	0.80	22
886506	31	< 0.2	< 0.5	39	530	< 1	67	3	61	2.53	4	< 10	53	< 0.5	< 2	2.61	19	142	3.97	< 10	< 1	1.26	32
886507	33	< 0.2	< 0.5	55	698	< 1	129	2	76	3.62	7	< 10	204	< 0.5	< 2	2.84	27	381	4.56	10	3	1.66	28
886508	148	< 0.2	< 0.5	33	552	7	36	2	33	1.76	4	< 10	92	< 0.5	< 2	3.10	14	241	2.50	< 10	< 1	0.64	< 10
886509	2530	0.4	< 0.5	35	277	2	13	10	15	1.14	27	< 10	18	< 0.5	< 2	0.90	4	120	2.69	< 10	< 1	0.31	< 10
886510	512	< 0.2	< 0.5	28	909	2	110	< 2	60	3.03	7	< 10	131	< 0.5	< 2	2.96	27	391	4.91	< 10	< 1	1.35	13
886511	4050	0.4	< 0.5	19	362	2	51	60	51	1.33	6	< 10	10	0.7	< 2	0.77	14	45	5.26	< 10	< 1	0.31	< 10
886512	< 5	< 0.2	< 0.5	< 1	6	< 1	8	< 2	< 2	0.04	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	12	0.05	< 10	< 1	< 0.01	< 10
886513	2000	< 0.2	< 0.5	25	361	13	25	5	28	1.61	19	< 10	21	< 0.5	< 2	1.46	8	62	2.74	< 10	< 1	0.76	< 10
886514	3030	0.4	< 0.5	19	335	11	22	10	35	1.51	16	< 10	29	< 0.5	< 2	1.07	9	49	2.22	< 10	< 1	0.73	< 10
886515	3060	0.3	< 0.5	36	518	5	43	6	42	2.01	5	< 10	169	< 0.5	< 2	2.21	15	161	2.87	< 10	< 1	0.72	12
886516	168	< 0.2	< 0.5	57	504	7	56	< 2	37	2.00	2	< 10	178	< 0.5	< 2	2.19	16	214	3.13	< 10	< 1	0.93	< 10
886517	56	< 0.2	< 0.5	55	639	3	82	3	51	2.87	< 2	< 10	295	< 0.5	< 2	2.76	23	315	4.24	< 10	< 1	1.65	14
886518	362	0.2	< 0.5	58	807	1	103	< 2	50	3.03	3	< 10	295	< 0.5	< 2	3.80	27	382	4.75	< 10	< 1	1.47	17
886519	885	< 0.2	< 0.5	36	422	6	21	< 2	35	1.21	7	< 10	43	< 0.5	< 2	2.05	8	77	2.58	< 10	< 1	0.49	< 10
886520	24	< 0.2	< 0.5	51	531	2	69	< 2	73	2.76	< 2	< 10	246	< 0.5	< 2	2.00	21	174	4.77	< 10	< 1	1.25	23
886521	17	< 0.2	< 0.5	55	598	< 1	61	< 2	58	2.59	3	< 10	55	< 0.5	< 2	2.90	18	169	5.20	< 10	2	1.13	15
886522	15	0.2	< 0.5	41	431	< 1	44	< 2	59	2.09	< 2	< 10	177	< 0.5	< 2	2.01	19	51	3.52	< 10	< 1	1.38	13
886523	11	< 0.2	< 0.5	35	533	< 1	87	2	67	2.43	< 2	< 10	253	< 0.5	< 2	2.35	21	174	4.02	10	< 1	1.43	18
886524	219	0.3	< 0.5	104	719	< 1	55	< 2	94	2.66	14	< 10	24	< 0.5	< 2	3.77	12	191	11.5	< 10	1	1.27	< 10
886525	14	< 0.2	< 0.5	31	596	< 1	60	< 2	68	2.76	< 2	< 10	216	< 0.5	< 2	2.46	21	115	4.39	10	< 1	1.95	14
886526	234	0.3	< 0.5	97	481	1	47	< 2	61	2.36	10	< 10	32	< 0.5	< 2	2.30	9	101	10.3	< 10	1	0.87	13
886527	9	< 0.2	< 0.5	106	443	1	53	< 2	51	2.00	6	< 10	48	< 0.5	< 2	1.68	14	114	4.84	< 10	< 1	0.69	16
886528	11	< 0.2	0.6	69	442	1	47	< 2	72	1.90	6	< 10	76	< 0.5	< 2	1.44	13	99	5.58	< 10	< 1	0.52	15
886529	69	0.5	< 0.5	229	516	2	37	3	66	2.32	4	< 10	20	< 0.5	< 2	1.77	10	57	8.37	10	< 1	0.25	11
886530	8	< 0.2	< 0.5	60	538	2	72	2	54	1.82	5	< 10	85	< 0.5	< 2	2.10	19	197	3.96	< 10	< 1	0.54	22
886531	843	1.1	< 0.5	5	159	< 1	116	100	37	0.23	4	< 10	< 10	< 0.5	2	0.19	5	27	3.42	< 10	< 1	0.05	< 10
886532	< 5	< 0.2	< 0.5	< 1	6	< 1	10	< 2	< 2	0.04	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	13	0.05	< 10	< 1	< 0.01	< 10
886533	7	< 0.2	< 0.5	76	449	1	64	4	62	1.74	4	< 10	52	< 0.5	< 2	1.71	17	117	3.94	< 10	< 1	0.41	22
886534	10	< 0.2	< 0.5	31	690	< 1	75	< 2	64	5.23	< 2	< 10	428	0.6	< 2	5.31	20	207	6.08	10	4	2.58	15
886535	34	0.5	< 0.5	145	444	3	52	< 2	70	2.57	6	< 10	21	< 0.5	< 2	2.54	10	48	11.9	< 10	1	0.60	< 10
886536	8	< 0.2	< 0.5	29	504	< 1	79	< 2	79	3.01	< 2	< 10	215	< 0.5	< 2	1.54	24	230	4.99	10	1	1.00	20
886537	< 5	< 0.2	< 0.5	50	483	< 1	66	< 2	49	1.90	2	< 10	91	< 0.5	< 2	1.93	19	212	4.02	< 10	< 1	0.58	17

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
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
886501	0.76	0.082	0.249	1.34	< 2	3	146	0.22	< 20	< 1	< 2	< 10	30	< 10	12	5
886502	3.36	0.096	0.153	0.26	3	11	303	0.31	< 20	< 1	< 2	< 10	116	< 10	13	13
886503	3.16	0.095	0.142	0.27	3	11	295	0.29	< 20	< 1	< 2	< 10	123	< 10	15	13
886504	3.20	0.126	0.153	0.26	3	12	290	0.29	< 20	< 1	< 2	< 10	129	< 10	18	11
886505	2.77	0.132	0.101	0.12	3	14	197	0.22	< 20	3	< 2	< 10	100	< 10	9	13
886506	1.92	0.098	0.099	0.69	2	7	156	0.27	< 20	1	< 2	< 10	74	< 10	6	21
886507	3.18	0.087	0.108	0.17	7	10	161	0.29	< 20	< 1	< 2	< 10	93	< 10	7	18
886508	1.42	0.054	0.043	0.22	< 2	7	105	0.13	< 20	< 1	< 2	< 10	48	< 10	4	11
886509	0.48	0.061	0.011	1.74	< 2	< 1	67	0.05	< 20	< 1	< 2	< 10	22	< 10	2	14
886510	3.09	0.103	0.070	0.17	< 2	14	76	0.20	< 20	< 1	< 2	< 10	91	< 10	6	12
886511	1.09	0.464	0.077	3.32	3	1	121	0.31	< 20	< 1	< 2	< 10	40	< 10	4	24
886512	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	1
886513	0.76	0.055	0.021	1.31	< 2	2	63	0.07	< 20	< 1	< 2	< 10	24	< 10	2	17
886514	0.61	0.076	0.022	0.90	< 2	2	41	0.08	< 20	1	< 2	< 10	22	< 10	3	19
886515	1.60	0.103	0.051	0.31	2	8	102	0.16	< 20	3	< 2	< 10	63	< 10	5	16
886516	1.88	0.095	0.062	0.13	< 2	7	124	0.18	< 20	1	< 2	< 10	77	< 10	5	17
886517	2.81	0.092	0.093	0.09	2	9	170	0.24	< 20	< 1	< 2	< 10	97	< 10	6	14
886518	3.21	0.119	0.087	0.08	2	13	180	0.23	< 20	< 1	< 2	< 10	108	< 10	7	14
886519	0.90	0.079	0.023	0.76	< 2	4	95	0.09	< 20	< 1	< 2	< 10	39	< 10	3	14
886520	2.37	0.171	0.074	0.28	3	10	94	0.29	< 20	< 1	< 2	< 10	89	< 10	9	24
886521	2.06	0.137	0.065	0.60	2	8	108	0.23	< 20	5	< 2	< 10	79	< 10	7	22
886522	1.71	0.159	0.071	0.35	< 2	6	97	0.31	< 20	4	< 2	< 10	80	< 10	6	27
886523	2.21	0.132	0.083	0.28	< 2	7	99	0.31	< 20	< 1	< 2	< 10	85	< 10	6	25
886524	2.34	0.085	0.073	1.77	3	7	90	0.16	< 20	< 1	< 2	< 10	79	< 10	6	17
886525	2.34	0.138	0.071	0.30	< 2	10	79	0.31	< 20	5	< 2	< 10	97	< 10	6	28
886526	1.63	0.119	0.072	1.02	5	6	78	0.18	< 20	< 1	< 2	< 10	70	< 10	7	25
886527	1.50	0.195	0.080	0.81	< 2	6	77	0.17	< 20	< 1	< 2	< 10	63	< 10	6	26
886528	1.45	0.168	0.073	0.41	3	5	51	0.15	< 20	6	< 2	< 10	63	< 10	5	22
886529	1.69	0.165	0.042	2.09	5	5	38	0.09	< 20	2	< 2	< 10	69	< 10	4	26
886530	1.81	0.229	0.086	0.35	2	10	52	0.18	< 20	3	< 2	< 10	65	< 10	7	11
886531	1.28	0.087	0.022	3.13	2	1	8	< 0.01	< 20	2	< 2	< 10	4	< 10	2	4
886532	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
886533	1.50	0.209	0.073	0.46	2	7	53	0.17	< 20	< 1	< 2	< 10	53	< 10	6	22
886534	2.96	0.256	0.069	0.08	< 2	12	246	0.29	< 20	< 1	< 2	< 10	113	< 10	8	21
886535	1.74	0.149	0.074	2.45	3	4	37	0.10	< 20	3	< 2	< 10	49	< 10	7	21
886536	2.85	0.202	0.076	0.03	2	10	59	0.24	< 20	< 1	< 2	< 10	106	10	9	19
886537	1.73	0.200	0.076	0.25	< 2	10	49	0.19	< 20	< 1	< 2	< 10	73	< 10	6	14

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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		0.3	0.5	6200	471	2	34	6	26	1.96	93		77	7.7	2	0.05	96	26	6.57	< 10		0.95	43
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
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2220	802	< 1	35	64	272	3.07	4		70	0.8	5	0.42	18	48	5.40	< 10		0.50	38
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
OREAS 923 (AQUA REGIA) Meas		1.6	0.7	4290	889	< 1	32	81	342	3.01	5		51	0.7	19	0.41	20	43	6.12	< 10		0.43	34
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
OREAS 520 (Aqua Regia) Meas				2860	2090	55	71	8	21	1.53	137			0.6	< 2	3.37	179	34	16.0	10		0.52	66
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
OREAS 218 Meas	535																						
OREAS 218 Cert	531																						
OREAS 218 Meas	549																						
OREAS 218 Cert	531																						
OREAS 218 Meas	525																						
OREAS 218 Cert	531																						
Oreas 621 (Aqua Regia) Meas		69.6	314	3660	564	14	24	> 5000	> 10000	1.90	74			0.6	7	1.64	30	30	3.61	10	3	0.41	19
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
OREAS 215 (Fire Assay) Meas	3600																						
OREAS 215 (Fire Assay) Cert	3540																						
OREAS 215 (Fire Assay) Meas	3450																						
OREAS 215 (Fire Assay) Cert	3540																						
OREAS 215 (Fire Assay) Meas	3510																						
OREAS 215 (Fire Assay) Cert	3540																						
886510 Orig	490																						
886510 Dup	533																						
886513 Orig		< 0.2	< 0.5	25	358	13	25	5	28	1.57	19	< 10	20	< 0.5	< 2	1.44	8	60	2.67	< 10	< 1	0.75	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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
886513 Dup		0.2	< 0.5	26	364	14	24	6	29	1.64	20	< 10	22	< 0.5	< 2	1.47	9	64	2.81	< 10	< 1	0.78	< 10
886520 Orig	24																						
886520 Dup	24																						
886527 Orig		< 0.2	< 0.5	105	439	1	54	2	52	1.98	6	< 10	44	< 0.5	< 2	1.66	14	113	4.82	< 10	< 1	0.68	16
886527 Dup		0.2	< 0.5	107	447	1	53	< 2	50	2.02	7	< 10	51	< 0.5	< 2	1.69	14	115	4.87	< 10	< 1	0.69	16
886530 Orig	7																						
886530 Dup	8																						
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
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
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
OREAS 904 (Aqua Regia) Meas	0.20		0.101	0.04	2	5	19		< 20		< 2	< 10	33		20	
OREAS 904 (Aqua Regia) Cert	0.143		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	1.35	0.028	0.065	0.37	< 2	4	16		< 20		< 2	< 10	36	< 10	22	18
OREAS 922 (AQUA REGIA) Cert	1.33	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	1.41		0.061	0.65	3	4	14		< 20		< 2	< 10	35	< 10	20	27
OREAS 923 (AQUA REGIA) Cert	1.43		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	1.13	0.066	0.069	0.77	5	11	26	0.14	< 20	< 1	2	< 10	240	26	13	29
OREAS 520 (Aqua Regia) Cert	1.14	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 218 Meas																
OREAS 218 Cert																
OREAS 218 Meas																
OREAS 218 Cert																
OREAS 218 Meas																
OREAS 218 Cert																
Oreas 621 (Aqua Regia) Meas	0.45	0.176	0.035	4.52	106	3	17		< 20		2	< 10	14	< 10	8	64
Oreas 621 (Aqua Regia) Cert	0.436	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 215 (Fire Assay) Meas																
OREAS 215 (Fire Assay) Cert																
OREAS 215 (Fire Assay) Meas																
OREAS 215 (Fire Assay) Cert																
OREAS 215 (Fire Assay) Meas																
OREAS 215 (Fire Assay) Cert																
886510 Orig																
886510 Dup																
886513 Orig	0.75	0.055	0.020	1.27	< 2	2	62	0.07	< 20	2	< 2	< 10	24	< 10	2	17

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
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
886513 Dup	0.77	0.055	0.021	1.36	< 2	2	63	0.07	< 20	< 1	< 2	< 10	25	< 10	2	18
886520 Orig																
886520 Dup																
886527 Orig	1.49	0.190	0.080	0.81	< 2	6	75	0.17	< 20	< 1	< 2	< 10	63	< 10	5	26
886527 Dup	1.51	0.199	0.081	0.80	< 2	6	78	0.17	< 20	< 1	< 2	< 10	64	< 10	6	26
886530 Orig																
886530 Dup																
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																



Date Submitted: 24-Jan-19
Invoice No.: A19-01331Final2
Invoice Date: 08-Feb-19
Your Reference: 1987-07

Benton Resources Inc.
684 Squier Street
Thunder Bay ON P7B 4A8
Canada

ATTN: Mike Stares

CERTIFICATE OF ANALYSIS

37 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

Code 1E3-Tbay Aqua Regia ICP(AQUAGEO)

REPORT **A19-01331Final2**

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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:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

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	Au
Unit Symbol	g/tonne
Lower Limit	0.03
Method Code	FA- GRA
886509	2.32
886513	2.06
886514	3.10
886515	3.04

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.03
Method Code	FA- GRA
OREAS 216 (Fire Assay) Meas	6.59
OREAS 216 (Fire Assay) Cert	6.66
OREAS 255 (Fire Assay) Meas	4.14
OREAS 255 (Fire Assay) Cert	4.08
Method Blank	< 0.03



Date Submitted: 30-Jan-19
Invoice No.: A19-01584
Invoice Date: 08-Feb-19
Your Reference: 1987-07

Benton Resources Inc.
684 Squier Street
Thunder Bay ON P7B 4A8
Canada

ATTN: Mike Stares

CERTIFICATE OF ANALYSIS

42 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

Code 1E3-Tbay Aqua Regia ICP(AQUAGEO)

REPORT **A19-01584**

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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.

Footnote: Sample 886573 has insufficient sample left for analysis.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

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

Results

Activation Laboratories Ltd.

Report: A19-01584

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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
886538	13	< 0.2	< 0.5	45	509	1	53	< 2	87	2.46	7	< 10	32	< 0.5	< 2	1.09	17	68	4.12	10	1	1.49	30
886539	15	< 0.2	< 0.5	46	543	3	48	2	76	2.55	< 2	< 10	62	< 0.5	< 2	3.01	17	48	3.89	10	< 1	1.17	32
886540	13	< 0.2	< 0.5	77	516	4	71	< 2	77	2.85	6	< 10	34	< 0.5	< 2	2.55	20	89	4.15	10	< 1	1.42	30
886541	5	< 0.2	< 0.5	31	555	1	227	< 2	77	3.15	3	< 10	334	< 0.5	< 2	3.75	22	283	3.73	10	< 1	1.66	44
886542	< 5	< 0.2	< 0.5	50	614	< 1	156	< 2	63	2.74	2	< 10	192	< 0.5	< 2	3.75	24	268	3.43	< 10	< 1	1.36	36
886543	5	< 0.2	< 0.5	76	550	2	91	< 2	57	2.57	< 2	< 10	102	< 0.5	< 2	2.53	22	231	3.53	< 10	< 1	1.00	23
886544	< 5	0.2	< 0.5	35	679	< 1	132	< 2	45	2.39	7	12	110	< 0.5	< 2	3.85	24	504	3.39	< 10	< 1	0.52	17
886545	6	< 0.2	< 0.5	53	474	< 1	100	3	61	2.54	< 2	< 10	190	< 0.5	< 2	2.37	23	254	3.24	< 10	< 1	1.06	36
886546	5	< 0.2	< 0.5	48	516	< 1	94	2	47	2.35	3	16	176	< 0.5	< 2	3.40	22	156	2.95	< 10	< 1	0.79	20
886547	8	< 0.2	< 0.5	39	402	1	73	< 2	55	2.58	< 2	< 10	151	< 0.5	< 2	2.47	18	88	2.70	< 10	< 1	1.16	23
886548	5	< 0.2	< 0.5	55	425	2	112	< 2	49	2.27	< 2	< 10	159	< 0.5	< 2	2.51	18	210	2.61	< 10	< 1	0.80	28
886549	< 5	< 0.2	< 0.5	66	490	< 1	138	< 2	55	2.52	5	< 10	156	< 0.5	< 2	3.07	22	219	2.95	< 10	1	0.79	30
886550	< 5	< 0.2	< 0.5	43	594	< 1	80	< 2	78	3.15	5	< 10	136	< 0.5	< 2	2.57	23	158	4.09	10	< 1	1.54	28
886551	< 5	< 0.2	< 0.5	36	463	< 1	88	< 2	58	2.31	6	13	121	< 0.5	< 2	2.29	21	135	2.85	< 10	< 1	0.79	18
886552	< 5	< 0.2	< 0.5	45	397	< 1	96	< 2	54	2.11	3	< 10	96	< 0.5	< 2	1.86	21	138	2.79	< 10	< 1	0.55	17
886553	< 5	< 0.2	< 0.5	42	425	< 1	95	< 2	55	2.20	< 2	< 10	86	< 0.5	< 2	2.05	22	145	3.01	< 10	< 1	0.63	16
886554	5	< 0.2	< 0.5	64	583	< 1	99	< 2	58	2.49	2	< 10	81	< 0.5	< 2	3.03	23	308	3.77	< 10	< 1	0.53	15
886555	< 5	< 0.2	< 0.5	62	680	< 1	164	< 2	65	3.11	7	< 10	119	< 0.5	< 2	3.06	30	448	4.69	10	< 1	0.89	24
886556	950	0.8	< 0.5	5	145	< 1	115	87	40	0.20	4	< 10	11	< 0.5	< 2	0.17	5	25	2.83	< 10	< 1	0.04	< 10
886557	< 5	< 0.2	< 0.5	< 1	5	< 1	8	< 2	< 2	0.03	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	12	0.04	< 10	< 1	< 0.01	< 10
886558	< 5	< 0.2	< 0.5	45	662	< 1	93	3	57	2.64	2	< 10	134	< 0.5	< 2	3.30	24	327	4.01	< 10	< 1	0.64	19
886559	7	< 0.2	< 0.5	47	478	< 1	51	< 2	64	2.01	10	< 10	106	< 0.5	< 2	1.87	25	115	3.26	< 10	< 1	0.52	17
886560	6	< 0.2	< 0.5	29	562	2	70	< 2	53	2.41	3	< 10	145	< 0.5	< 2	2.43	21	264	3.69	< 10	< 1	0.69	22
886561	13	< 0.2	< 0.5	70	700	< 1	76	< 2	47	2.46	3	< 10	105	< 0.5	< 2	3.37	25	280	4.00	< 10	< 1	0.52	23
886562	6	< 0.2	< 0.5	67	727	< 1	94	< 2	54	2.99	2	< 10	216	< 0.5	< 2	3.59	27	375	4.59	< 10	< 1	0.97	19
886563	1200	< 0.2	< 0.5	45	273	2	21	2	17	0.83	2	19	105	< 0.5	< 2	1.59	7	77	1.38	< 10	< 1	0.30	< 10
886564	40	< 0.2	< 0.5	48	744	< 1	79	2	69	2.70	6	19	243	< 0.5	< 2	4.32	23	260	3.96	< 10	< 1	1.07	26
886565	1790	0.3	< 0.5	10	144	5	9	2	13	0.82	4	11	138	< 0.5	< 2	0.90	3	54	0.85	< 10	< 1	0.46	< 10
886566	476	< 0.2	< 0.5	27	476	< 1	29	5	73	2.42	4	< 10	131	< 0.5	< 2	2.73	15	42	3.07	< 10	< 1	1.28	17
886567	1460	< 0.2	< 0.5	13	291	3	18	10	41	1.47	8	< 10	145	< 0.5	< 2	1.90	5	39	1.53	< 10	< 1	0.85	12
886568	1450	< 0.2	< 0.5	24	445	2	42	6	51	2.29	7	< 10	128	< 0.5	< 2	3.37	12	86	2.86	< 10	< 1	1.33	10
886569	1900	0.3	< 0.5	12	340	4	23	3	44	1.61	< 2	< 10	99	< 0.5	< 2	2.37	7	86	2.49	< 10	< 1	0.79	31
886570	746	0.3	< 0.5	45	434	2	44	< 2	61	2.92	< 2	< 10	102	< 0.5	< 2	2.51	9	92	10.5	< 10	3	1.17	13
886571	10	< 0.2	< 0.5	27	526	< 1	85	< 2	69	4.71	< 2	< 10	411	< 0.5	< 2	4.22	21	208	4.83	10	1	2.18	16
886572	14	< 0.2	< 0.5	37	506	< 1	81	< 2	69	2.94	3	< 10	305	< 0.5	< 2	2.39	21	225	4.87	< 10	< 1	1.40	18
886573	4100	0.6	< 0.5	20	363	1	59	59	50	1.38	3	< 10	< 10	0.7	< 2	0.81	14	47	5.12	< 10	< 1	0.32	< 10
886574	< 5	< 0.2	< 0.5	< 1	6	< 1	9	< 2	< 2	0.03	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	12	0.04	< 10	< 1	< 0.01	< 10
886575	< 5	< 0.2	< 0.5	50	440	1	79	< 2	63	2.20	6	< 10	72	< 0.5	< 2	1.49	24	225	3.86	< 10	< 1	0.54	20
886576	5	< 0.2	< 0.5	39	378	< 1	69	< 2	60	1.92	4	< 10	20	< 0.5	< 2	1.74	18	182	3.88	< 10	< 1	0.14	21
886577	11	< 0.2	< 0.5	41	356	< 1	52	< 2	49	1.44	< 2	< 10	33	< 0.5	< 2	1.76	12	125	2.92	< 10	< 1	0.11	16
886578	8	< 0.2	< 0.5	53	439	< 1	73	4	52	2.03	< 2	< 10	263	< 0.5	< 2	2.48	20	149	3.45	< 10	< 1	0.92	31
886579	7	< 0.2	< 0.5	43	432	1	80	< 2	54	1.97	< 2	< 10	155	< 0.5	< 2	2.54	18	158	3.86	< 10	< 1	1.18	36

Analyte Symbol	Mg	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	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
886538	1.53	0.119	0.076	0.73	3	7	94	0.25	< 20	< 1	< 2	< 10	73	< 10	22	35	
886539	1.63	0.067	0.071	0.63	2	5	186	0.24	< 20	< 1	< 2	< 10	58	< 10	19	32	
886540	1.84	0.073	0.083	0.96	< 2	7	188	0.25	< 20	< 1	< 2	< 10	72	< 10	18	28	
886541	3.29	0.087	0.157	0.09	< 2	8	166	0.25	< 20	2	< 2	< 10	69	< 10	15	9	
886542	2.82	0.113	0.144	0.25	3	9	193	0.24	< 20	2	< 2	< 10	69	< 10	12	9	
886543	2.60	0.098	0.095	0.43	< 2	7	127	0.23	< 20	2	2	< 10	78	< 10	9	24	
886544	2.91	0.102	0.096	0.04	3	11	123	0.18	< 20	< 1	< 2	< 10	77	< 10	8	16	
886545	2.47	0.126	0.111	0.25	< 2	9	274	0.23	< 20	< 1	< 2	< 10	78	< 10	8	17	
886546	2.29	0.103	0.078	0.26	< 2	8	161	0.22	< 20	< 1	< 2	< 10	71	< 10	8	23	
886547	1.89	0.108	0.094	0.33	< 2	5	123	0.24	< 20	3	< 2	< 10	53	< 10	8	17	
886548	2.33	0.126	0.109	0.22	< 2	8	121	0.20	< 20	4	< 2	< 10	59	< 10	9	10	
886549	2.63	0.112	0.119	0.22	2	7	164	0.23	< 20	< 1	< 2	< 10	63	< 10	9	11	
886550	2.73	0.087	0.103	0.34	< 2	8	261	0.27	< 20	2	< 2	< 10	87	< 10	9	21	
886551	2.05	0.129	0.087	0.44	< 2	6	150	0.24	< 20	< 1	< 2	< 10	59	< 10	6	24	
886552	1.96	0.140	0.085	0.53	< 2	6	144	0.23	< 20	1	< 2	< 10	57	< 10	6	25	
886553	2.03	0.163	0.078	0.59	< 2	6	152	0.24	< 20	2	< 2	< 10	62	< 10	6	26	
886554	2.78	0.115	0.111	0.38	2	9	163	0.26	< 20	< 1	< 2	< 10	88	< 10	10	19	
886555	3.82	0.110	0.138	0.30	5	11	171	0.27	< 20	2	< 2	< 10	104	< 10	12	17	
886556	1.25	0.086	0.021	2.89	2	1	7	< 0.01	< 20	< 1	2	< 10	3	< 10	2	5	
886557	< 0.01	0.015	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
886558	2.88	0.142	0.100	0.12	< 2	13	236	0.22	< 20	< 1	2	< 10	94	< 10	8	18	
886559	1.96	0.156	0.082	0.37	< 2	8	174	0.25	< 20	< 1	< 2	< 10	79	< 10	7	26	
886560	2.49	0.184	0.097	0.20	2	12	128	0.24	< 20	3	< 2	< 10	91	< 10	7	17	
886561	2.70	0.219	0.114	0.07	< 2	17	132	0.20	< 20	2	< 2	< 10	105	< 10	10	11	
886562	3.19	0.207	0.102	0.04	3	18	149	0.21	< 20	< 1	< 2	< 10	113	< 10	9	15	
886563	0.64	0.070	0.029	0.32	< 2	3	78	0.07	< 20	< 1	< 2	< 10	25	< 10	3	15	1.17
886564	2.60	0.166	0.102	0.10	4	14	156	0.21	< 20	3	< 2	< 10	64	< 10	9	19	
886565	0.24	0.032	0.019	0.27	< 2	1	27	0.04	< 20	< 1	< 2	< 10	11	< 10	2	15	1.99
886566	1.48	0.076	0.076	0.35	< 2	4	123	0.22	< 20	2	4	< 10	43	< 10	5	27	
886567	0.59	0.042	0.028	0.33	< 2	2	56	0.08	< 20	4	< 2	< 10	18	< 10	5	19	1.46
886568	1.27	0.050	0.042	0.33	< 2	3	130	0.14	< 20	4	< 2	< 10	33	< 10	4	20	1.68
886569	0.98	0.026	0.029	0.22	< 2	3	91	0.10	< 20	2	< 2	< 10	30	14	6	18	2.07
886570	1.83	0.089	0.085	0.50	3	4	148	0.16	< 20	< 1	< 2	< 10	57	< 10	8	22	
886571	3.01	0.262	0.067	0.02	3	8	257	0.26	< 20	< 1	4	< 10	93	< 10	7	23	
886572	2.52	0.210	0.072	0.11	< 2	10	80	0.24	< 20	2	< 2	< 10	98	< 10	9	32	
886573	1.22	0.528	0.084	3.48	< 2	2	136	0.30	< 20	3	< 2	< 10	41	< 10	4	32	
886574	< 0.01	0.015	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
886575	2.38	0.200	0.083	0.07	< 2	9	56	0.19	< 20	< 1	2	< 10	83	< 10	9	13	
886576	2.04	0.184	0.075	0.08	< 2	8	75	0.19	< 20	4	< 2	< 10	79	< 10	8	19	
886577	1.23	0.252	0.067	0.06	< 2	6	87	0.14	< 20	< 1	< 2	< 10	63	< 10	5	8	
886578	2.06	0.223	0.098	0.24	< 2	8	133	0.21	< 20	3	< 2	< 10	81	< 10	9	15	

Analyte Symbol	Mg	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	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
886579	1.90	0.167	0.106	0.27	< 2	7	170	0.21	< 20	5	< 2	< 10	76	< 10	9	13	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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		0.3	< 0.5	5770	429	2	34	6	24	1.83	94		78	7.6	5	0.05	89	24	5.98	< 10		0.86	40
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
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2190	765	< 1	37	62	269	3.02	5		70	0.8	10	0.40	17	47	5.30	< 10		0.48	38
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
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4450	869	< 1	33	89	350	3.03	7		50	0.7	14	0.41	19	43	6.07	< 10		0.40	35
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
OREAS 216 (Fire Assay) Meas																							
OREAS 216 (Fire Assay) Cert																							
OREAS 218 Meas	530																						
OREAS 218 Cert	531																						
OREAS 218 Meas	535																						
OREAS 218 Cert	531																						
OREAS 218 Meas	549																						
OREAS 218 Cert	531																						
OREAS 218 Meas	525																						
OREAS 218 Cert	531																						
Oreas 621 (Aqua Regia) Meas		69.2	300	3490	526	14	27	> 5000	> 10000	1.83	80			0.6	3	1.73	29	32	3.38	10	5	0.38	19
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
OREAS 215 (Fire Assay) Meas	3380																						
OREAS 215 (Fire Assay) Cert	3540																						
OREAS 215 (Fire Assay) Meas	3600																						
OREAS 215 (Fire Assay) Cert	3540																						
OREAS 215 (Fire Assay) Meas	3450																						
OREAS 215 (Fire Assay) Cert	3540																						
OREAS 215 (Fire Assay) Meas	3510																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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 215 (Fire Assay) Cert	3540																						
OREAS 255 (Fire Assay) Meas																							
OREAS 255 (Fire Assay) Cert																							
886545 Orig	5	< 0.2	< 0.5	53	471	< 1	99	3	60	2.51	< 2	< 10	196	< 0.5	< 2	2.34	22	252	3.21	< 10	< 1	1.05	36
886545 Dup	6	< 0.2	< 0.5	54	476	< 1	101	2	62	2.57	< 2	< 10	184	< 0.5	< 2	2.40	23	255	3.27	< 10	< 1	1.07	36
886555 Orig	6																						
886555 Dup	< 5																						
886560 Orig		< 0.2	< 0.5	29	559	2	70	< 2	57	2.39	3	< 10	141	< 0.5	< 2	2.41	21	263	3.69	< 10	< 1	0.69	23
886560 Dup		< 0.2	< 0.5	29	564	2	70	< 2	50	2.43	3	< 10	149	< 0.5	< 2	2.44	22	264	3.70	< 10	< 1	0.70	22
886565 Orig	1780																						
886565 Dup	1800																						
886569 Orig		0.3	< 0.5	12	339	4	23	4	44	1.61	< 2	< 10	99	< 0.5	< 2	2.35	7	87	2.50	< 10	< 1	0.78	31
886569 Dup		0.3	< 0.5	12	342	4	22	2	45	1.62	4	< 10	99	< 0.5	< 2	2.39	7	85	2.48	< 10	< 1	0.79	32
886570 Orig	771																						
886570 Dup	720																						
886577 Orig	10																						
886577 Dup	11																						
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
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							

Analyte Symbol	Mg	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	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
OREAS 904 (Aqua Regia) Meas	0.20		0.099	0.04	2	5	19		< 20		< 2	< 10	31		21		
OREAS 904 (Aqua Regia) Cert	0.143		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	1.38	0.031	0.066	0.38	3	4	17		< 20		< 2	< 10	35	< 10	22	21	
OREAS 922 (AQUA REGIA) Cert	1.33	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	1.49		0.062	0.67	3	4	15		< 20		< 2	< 10	34	< 10	21	28	
OREAS 923 (AQUA REGIA) Cert	1.43		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 216 (Fire Assay) Meas																	6.59
OREAS 216 (Fire Assay) Cert																	6.66
OREAS 218 Meas																	
OREAS 218 Cert																	
OREAS 218 Meas																	
OREAS 218 Cert																	
OREAS 218 Meas																	
OREAS 218 Cert																	
OREAS 218 Meas																	
OREAS 218 Cert																	
Oreas 621 (Aqua Regia) Meas	0.46	0.185	0.035	4.71	108	3	18		< 20		< 2	< 10	13	< 10	9	64	
Oreas 621 (Aqua Regia) Cert	0.436	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 215 (Fire Assay) Meas																	
OREAS 215 (Fire Assay) Cert																	
OREAS 215 (Fire Assay) Meas																	
OREAS 215 (Fire Assay) Cert																	
OREAS 215 (Fire Assay) Meas																	
OREAS 215 (Fire Assay) Cert																	
OREAS 215 (Fire Assay) Meas																	
OREAS 215 (Fire Assay) Cert																	
OREAS 215 (Fire Assay) Meas																	

Analyte Symbol	Mg	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	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
Assay) Meas																	
OREAS 215 (Fire Assay) Cert																	
OREAS 255 (Fire Assay) Meas																	4.14
OREAS 255 (Fire Assay) Cert																	4.08
886545 Orig	2.45	0.124	0.110	0.24	2	9	269	0.23	< 20	4	< 2	< 10	77	< 10	8	17	
886545 Dup	2.49	0.128	0.111	0.25	< 2	9	278	0.24	< 20	< 1	< 2	< 10	79	< 10	8	16	
886555 Orig																	
886555 Dup																	
886560 Orig	2.48	0.184	0.097	0.20	2	12	127	0.24	< 20	3	< 2	< 10	91	< 10	7	16	
886560 Dup	2.51	0.185	0.098	0.20	2	12	128	0.24	< 20	3	< 2	< 10	91	< 10	7	18	
886565 Orig																	
886565 Dup																	
886569 Orig	0.98	0.026	0.028	0.22	< 2	3	91	0.10	< 20	2	< 2	< 10	30	14	6	19	2.05
886569 Dup	0.98	0.027	0.029	0.22	< 2	3	91	0.10	< 20	3	< 2	< 10	30	14	6	18	2.10
886570 Orig																	
886570 Dup																	
886577 Orig																	
886577 Dup																	
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	< 0.03



Date Submitted: 08-Feb-19
Invoice No.: A19-02068
Invoice Date: 01-Mar-19
Your Reference: 1987-07

Benton Resources Inc.
684 Squier Street
Thunder Bay ON P7B 4A8
Canada

ATTN: Nathan Sims (Inv)

CERTIFICATE OF ANALYSIS

29 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

Code 1E3-Tbay Aqua Regia ICP(AQUAGEO)

REPORT **A19-02068**

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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:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

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
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Results

Activation Laboratories Ltd.

Report: A19-02068

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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
886580	< 5	< 0.2	< 0.5	39	512	< 1	148	< 2	51	2.49	3	18	125	< 0.5	< 2	2.52	24	281	3.36	< 10	< 1	0.76	20
886581	< 5	< 0.2	< 0.5	50	504	< 1	137	< 2	54	2.75	< 2	< 10	145	< 0.5	< 2	2.24	24	288	3.63	< 10	< 1	0.95	18
886582	< 5	< 0.2	< 0.5	63	632	< 1	87	< 2	58	2.99	3	< 10	82	< 0.5	< 2	2.63	26	323	4.69	< 10	< 1	1.28	23
886583	< 5	< 0.2	< 0.5	48	648	< 1	180	< 2	62	3.18	3	< 10	204	< 0.5	< 2	3.48	26	256	4.82	10	< 1	1.33	33
886584	62	< 0.2	< 0.5	16	696	2	192	< 2	56	2.92	< 2	16	168	< 0.5	< 2	3.90	25	320	4.32	< 10	< 1	0.94	34
886585	15	< 0.2	< 0.5	65	782	< 1	80	< 2	62	2.87	< 2	< 10	82	< 0.5	< 2	4.55	27	243	5.74	< 10	2	0.91	13
886586	21	0.2	< 0.5	130	750	2	55	3	53	2.47	3	18	34	< 0.5	< 2	4.04	26	112	6.75	< 10	3	0.63	< 10
886587	< 5	< 0.2	< 0.5	98	758	< 1	79	< 2	51	2.90	3	12	127	< 0.5	< 2	4.40	23	267	5.13	< 10	2	0.89	11
886588	7	< 0.2	< 0.5	35	540	< 1	54	< 2	63	2.87	3	< 10	359	< 0.5	< 2	2.07	19	57	4.08	10	< 1	1.71	15
886589	15	< 0.2	< 0.5	30	654	2	61	2	50	2.46	4	< 10	153	< 0.5	< 2	2.98	19	233	4.09	< 10	< 1	0.90	19
886590	51	< 0.2	< 0.5	87	648	2	50	< 2	90	2.38	6	< 10	28	< 0.5	2	3.01	23	73	6.09	10	3	0.97	12
886591	23	< 0.2	< 0.5	50	731	2	55	< 2	71	2.52	< 2	< 10	57	< 0.5	< 2	3.93	19	177	4.59	< 10	< 1	1.27	15
886592	75	0.2	< 0.5	43	431	3	30	< 2	50	1.49	2	< 10	26	< 0.5	< 2	1.88	13	60	2.93	< 10	< 1	0.87	22
886593	3840	0.5	< 0.5	19	356	1	59	60	49	1.33	9	< 10	< 10	0.7	< 2	0.84	14	45	5.22	< 10	1	0.32	< 10
886594	< 5	< 0.2	< 0.5	< 1	6	< 1	9	< 2	< 2	0.04	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	12	0.05	< 10	< 1	< 0.01	< 10
886595	123	0.2	< 0.5	57	735	3	85	< 2	93	3.11	7	< 10	62	< 0.5	< 2	3.16	26	227	4.83	10	< 1	1.74	19
886596	58	0.2	< 0.5	38	529	2	43	2	55	2.00	10	< 10	100	< 0.5	< 2	2.22	17	39	2.68	< 10	< 1	1.25	27
886597	131	0.2	< 0.5	37	432	3	31	3	46	2.53	5	< 10	119	< 0.5	< 2	2.05	13	37	2.40	< 10	< 1	1.44	21
886598	1070	0.7	9.0	35	345	4	27	350	1080	2.28	13	11	137	0.5	< 2	2.17	7	54	2.46	< 10	< 1	1.15	13
886599	214	0.2	< 0.5	40	579	2	55	11	73	3.24	14	< 10	100	0.5	< 2	4.27	17	84	4.29	< 10	< 1	1.98	24
886600	81	< 0.2	< 0.5	43	520	7	42	7	57	2.94	4	12	183	0.5	< 2	3.56	12	63	3.18	< 10	< 1	1.73	18
886601	1460	0.5	< 0.5	53	477	2	50	2	69	3.39	5	< 10	38	< 0.5	< 2	1.94	6	98	11.7	< 10	< 1	1.70	23
886602	3630	0.9	< 0.5	94	289	2	23	2	57	2.78	11	< 10	28	< 0.5	< 2	1.82	6	47	17.5	< 10	< 1	0.15	12
886603	572	0.3	< 0.5	81	242	2	22	< 2	47	2.15	3	< 10	31	< 0.5	< 2	2.29	< 1	36	20.0	< 10	< 1	0.24	< 10
886604	100	0.2	< 0.5	48	269	2	41	2	44	2.85	5	< 10	131	0.6	< 2	2.09	3	70	16.8	< 10	< 1	0.77	12
886605	139	0.3	< 0.5	97	283	1	41	< 2	39	2.69	7	< 10	50	< 0.5	< 2	2.51	4	70	17.5	< 10	< 1	1.08	11
886606	10	< 0.2	< 0.5	57	414	< 1	40	< 2	62	3.49	< 2	< 10	228	< 0.5	< 2	4.34	8	81	11.6	< 10	< 1	1.57	15
886607	5	< 0.2	< 0.5	41	560	< 1	74	< 2	65	4.29	< 2	< 10	287	0.6	< 2	5.85	17	141	5.87	10	2	2.53	17
886608	12	< 0.2	< 0.5	53	580	< 1	87	< 2	76	4.12	< 2	< 10	330	< 0.5	< 2	2.81	25	227	5.47	10	1	2.29	19

Analyte Symbol	Mg	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	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
886580	2.72	0.149	0.078	0.27	< 2	8	157	0.24	< 20	2	< 2	< 10	74	< 10	7	20	
886581	2.84	0.155	0.075	0.27	2	9	187	0.25	< 20	3	< 2	< 10	86	< 10	7	22	
886582	3.19	0.159	0.129	0.45	3	12	188	0.30	< 20	< 1	< 2	< 10	115	< 10	12	14	
886583	3.56	0.151	0.138	0.17	3	10	229	0.29	< 20	< 1	< 2	< 10	104	< 10	10	12	
886584	3.58	0.135	0.144	< 0.01	< 2	9	161	0.26	< 20	< 1	< 2	< 10	85	< 10	10	8	
886585	2.80	0.216	0.072	0.52	2	18	214	0.27	< 20	< 1	< 2	< 10	129	< 10	12	15	
886586	2.12	0.106	0.065	1.24	< 2	14	155	0.30	< 20	< 1	< 2	< 10	124	< 10	16	17	
886587	2.99	0.165	0.066	0.46	< 2	15	124	0.22	< 20	< 1	< 2	< 10	114	< 10	9	18	
886588	2.33	0.166	0.072	0.20	< 2	8	131	0.31	< 20	< 1	< 2	< 10	100	< 10	7	30	
886589	2.32	0.262	0.089	0.32	< 2	14	124	0.21	< 20	1	< 2	< 10	107	< 10	8	14	
886590	1.67	0.210	0.054	1.32	2	14	121	0.25	< 20	< 1	< 2	< 10	148	< 10	11	24	
886591	2.17	0.147	0.070	0.67	< 2	13	106	0.23	< 20	4	< 2	< 10	104	< 10	9	21	
886592	0.77	0.173	0.079	1.15	< 2	6	68	0.19	< 20	< 1	< 2	< 10	77	< 10	7	12	
886593	1.18	0.522	0.079	3.38	2	2	135	0.30	< 20	1	< 2	< 10	43	< 10	4	32	4.18
886594	< 0.01	0.017	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	1	
886595	2.49	0.148	0.077	0.72	3	10	113	0.21	< 20	1	< 2	< 10	93	< 10	8	17	
886596	0.91	0.083	0.085	0.53	< 2	3	66	0.15	< 20	3	< 2	< 10	34	< 10	6	7	
886597	0.80	0.077	0.066	0.41	< 2	3	72	0.14	< 20	2	< 2	< 10	34	< 10	6	5	
886598	0.89	0.049	0.038	0.34	< 2	2	89	0.09	< 20	< 1	< 2	< 10	24	< 10	4	6	1.41
886599	1.56	0.072	0.049	0.58	< 2	4	163	0.21	< 20	< 1	< 2	< 10	49	< 10	10	17	
886600	1.25	0.114	0.049	0.22	2	4	163	0.15	< 20	3	< 2	< 10	39	< 10	6	6	
886601	1.78	0.087	0.078	1.22	4	4	130	0.15	< 20	< 1	< 2	< 10	50	20	10	20	1.93
886602	1.32	0.056	0.085	2.46	6	3	80	0.06	< 20	2	< 2	< 10	43	15	8	23	3.15
886603	1.01	0.056	0.067	1.18	6	3	138	0.06	< 20	< 1	< 2	< 10	38	19	8	20	
886604	1.15	0.080	0.078	0.36	5	4	140	0.11	< 20	< 1	< 2	< 10	52	23	8	19	
886605	1.09	0.077	0.074	0.73	5	5	141	0.12	< 20	< 1	< 2	< 10	55	20	8	23	
886606	1.50	0.065	0.074	0.17	< 2	5	239	0.17	< 20	< 1	< 2	< 10	59	< 10	8	15	
886607	1.94	0.141	0.068	0.04	4	8	269	0.25	< 20	1	< 2	< 10	83	< 10	8	28	
886608	2.98	0.226	0.073	0.03	2	12	162	0.31	< 20	< 1	< 2	< 10	121	< 10	9	30	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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	6160	429	2	37	8	25	2.14	89		79	7.6	3	0.05	88	27	6.47	< 10		1.08	41
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
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2220	746	< 1	34	57	265	3.09	6		84	0.8	7	0.42	17	48	5.40	< 10		0.57	39
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
OREAS 923 (AQUA REGIA) Meas		1.6	0.6	4620	849	< 1	33	80	338	3.10	7		60	0.7	11	0.42	19	44	6.23	< 10		0.48	36
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
OREAS 216 (Fire Assay) Meas																							
OREAS 216 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas		70.0	294	3720	535	13	27	> 5000	> 10000	1.94	77			0.6	9	1.69	29	33	3.65	10	4	0.43	20
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
OREAS 215 (Fire Assay) Meas	3510																						
OREAS 215 (Fire Assay) Cert	3540																						
Oreas 221 (Fire Assay) Meas	1070																						
Oreas 221 (Fire Assay) Cert	1060																						
OREAS 255 (Fire Assay) Meas																							
OREAS 255 (Fire Assay) Cert																							
886589 Orig	16																						
886589 Dup	14																						
886598 Orig																							
886598 Dup																							
886599 Orig	217																						
886599 Dup	210																						
Method Blank	< 5																						
Method Blank	< 5																						
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
Method Blank																							

Analyte Symbol	Mg	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	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
OREAS 904 (Aqua Regia) Meas	0.23		0.097	0.04	3	5	20		< 20		< 2	< 10	36		20		
OREAS 904 (Aqua Regia) Cert	0.143		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	1.42	0.034	0.062	0.36	< 2	4	17		< 20		< 2	< 10	39	< 10	24	12	
OREAS 922 (AQUA REGIA) Cert	1.33	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	1.52		0.060	0.67	2	4	15		< 20		< 2	< 10	38	< 10	21	19	
OREAS 923 (AQUA REGIA) Cert	1.43		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 216 (Fire Assay) Meas																	6.79
OREAS 216 (Fire Assay) Cert																	6.66
Oreas 621 (Aqua Regia) Meas	0.48	0.206	0.032	4.60	97	3	19		< 20		< 2	< 10	14	< 10	8	32	
Oreas 621 (Aqua Regia) Cert	0.436	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 215 (Fire Assay) Meas																	
OREAS 215 (Fire Assay) Cert																	
Oreas 221 (Fire Assay) Meas																	
Oreas 221 (Fire Assay) Cert																	
OREAS 255 (Fire Assay) Meas																	4.11
OREAS 255 (Fire Assay) Cert																	4.08
886589 Orig																	
886589 Dup																	
886598 Orig																	1.33
886598 Dup																	1.49
886599 Orig																	
886599 Dup																	
Method Blank																	
Method Blank																	
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	

Analyte Symbol	Mg	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	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
Method Blank																	< 0.03



Date Submitted: 14-Feb-19
Invoice No.: A19-02286
Invoice Date: 01-Mar-19
Your Reference: 1987-07

Benton Resources Inc.
684 Squier Street
Thunder Bay ON P7B 4A8
Canada

ATTN: Nathan Sims (Inv)

CERTIFICATE OF ANALYSIS

79 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

Code 1E3-Tbay Aqua Regia ICP(AQUAGEO)

REPORT **A19-02286**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

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:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized with a large, sweeping 'E' and 'S'.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Results

Activation Laboratories Ltd.

Report: A19-02286

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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
886609	14	< 0.2	< 0.5	40	421	< 1	101	2	53	1.93	< 2	< 10	524	< 0.5	< 2	1.62	23	208	3.09	< 10	< 1	0.73	21
886610	5	< 0.2	< 0.5	59	584	< 1	61	2	62	2.40	< 2	< 10	777	< 0.5	< 2	2.42	27	235	4.02	< 10	< 1	1.23	23
886611	10	0.3	< 0.5	98	752	< 1	73	< 2	56	2.78	3	< 10	728	0.6	< 2	3.70	30	313	4.96	< 10	2	1.34	17
886612	< 5	< 0.2	< 0.5	67	799	< 1	73	< 2	60	2.66	< 2	< 10	654	< 0.5	< 2	3.79	27	234	4.75	< 10	< 1	1.18	29
886613	7	0.2	< 0.5	66	698	< 1	55	< 2	64	2.53	3	< 10	433	< 0.5	< 2	3.19	29	181	4.50	< 10	< 1	0.93	27
886614	81	0.2	< 0.5	41	332	3	15	< 2	44	1.10	5	18	118	< 0.5	< 2	2.02	10	47	2.17	< 10	< 1	0.71	16
886615	26	0.3	< 0.5	69	988	< 1	81	< 2	99	3.87	3	< 10	802	< 0.5	< 2	4.96	28	327	5.80	10	3	2.41	13
886616	127	0.3	< 0.5	27	391	6	28	< 2	46	1.63	4	< 10	167	< 0.5	< 2	1.92	12	71	2.88	< 10	< 1	0.96	12
886617	21	0.5	< 0.5	30	815	< 1	130	9	70	4.40	10	< 10	544	0.6	< 2	4.29	30	497	5.44	10	3	2.57	12
886618	338	0.4	< 0.5	44	494	1	44	< 2	66	3.23	6	< 10	377	0.6	2	3.35	15	67	4.62	< 10	2	1.59	12
886619	837	0.3	0.6	33	391	2	38	< 2	54	2.35	< 2	< 10	335	0.5	< 2	3.01	11	67	4.16	< 10	< 1	1.36	11
886620	3880	0.6	< 0.5	19	354	2	55	63	50	1.22	< 2	< 10	27	0.8	< 2	0.84	14	45	4.90	< 10	< 1	0.31	< 10
886621	< 5	< 0.2	< 0.5	2	7	< 1	3	< 2	< 2	0.03	< 2	< 10	33	< 0.5	< 2	0.01	< 1	5	0.03	< 10	< 1	0.01	< 10
886622	362	0.5	< 0.5	63	510	4	44	2	63	2.78	< 2	< 10	282	0.6	< 2	4.08	14	62	5.37	< 10	< 1	1.49	16
886623	1330	0.8	< 0.5	45	410	4	27	4	53	2.20	18	< 10	115	0.6	< 2	2.71	12	43	5.57	< 10	1	1.29	16
886624	2550	0.8	< 0.5	33	370	4	29	3	50	1.81	7	< 10	158	< 0.5	< 2	2.38	9	51	4.66	< 10	< 1	0.96	13
886625	996	0.8	< 0.5	89	567	3	41	< 2	74	3.11	< 2	< 10	200	< 0.5	2	3.27	9	67	8.93	< 10	4	1.48	14
886626	43	0.2	< 0.5	59	453	3	38	< 2	59	2.90	< 2	< 10	388	0.6	< 2	2.65	7	54	7.87	< 10	3	1.29	27
886627	20	0.3	< 0.5	38	521	2	49	3	62	3.26	< 2	< 10	605	< 0.5	< 2	2.95	14	109	7.91	< 10	3	1.04	14
886628	< 5	< 0.2	< 0.5	20	345	< 1	29	3	62	1.86	2	< 10	619	< 0.5	< 2	2.43	12	43	2.63	< 10	< 1	1.37	35
886629	9	0.2	< 0.5	41	525	1	60	< 2	73	3.01	< 2	< 10	756	< 0.5	< 2	2.34	16	140	5.14	10	1	1.96	16
886630	8	< 0.2	< 0.5	30	478	< 1	69	< 2	71	2.91	< 2	< 10	728	< 0.5	< 2	3.07	18	140	4.36	10	< 1	1.95	15
886631	32	0.3	< 0.5	37	454	1	69	< 2	60	3.03	< 2	< 10	1040	< 0.5	< 2	2.66	19	144	3.46	10	< 1	1.90	15
886632	< 5	< 0.2	< 0.5	28	335	1	51	< 2	34	1.11	< 2	17	493	< 0.5	< 2	1.75	18	121	2.26	< 10	< 1	0.56	14
886633	10	< 0.2	< 0.5	38	473	1	45	6	58	2.10	< 2	< 10	790	< 0.5	< 2	2.59	11	104	3.97	< 10	< 1	1.52	14
886634	5	0.2	< 0.5	33	585	< 1	52	4	52	2.93	2	10	931	< 0.5	< 2	3.45	14	98	4.28	< 10	< 1	1.71	16
886635	9	0.3	< 0.5	30	632	2	57	< 2	45	3.51	< 2	16	437	0.6	< 2	4.25	16	115	4.69	10	4	1.72	14
886636	< 5	0.3	0.8	32	630	< 1	56	< 2	55	3.54	< 2	14	713	< 0.5	< 2	3.84	14	114	4.49	10	< 1	1.81	14
886637	26	< 0.2	< 0.5	41	446	< 1	51	< 2	57	2.02	< 2	< 10	816	< 0.5	< 2	1.38	12	125	4.23	< 10	< 1	1.10	18
886638	13	0.2	< 0.5	46	559	1	45	< 2	48	2.96	< 2	< 10	770	< 0.5	< 2	2.93	13	99	4.35	10	< 1	1.67	13
886639	< 5	0.2	< 0.5	36	460	< 1	63	< 2	52	1.71	< 2	< 10	380	< 0.5	< 2	1.91	19	143	3.15	< 10	< 1	0.64	17
886640	867																						
886641	< 5	< 0.2	< 0.5	< 1	5	< 1	6	< 2	< 2	0.03	< 2	< 10	25	< 0.5	< 2	< 0.01	< 1	10	0.03	< 10	< 1	< 0.01	< 10
886642	< 5	0.3	< 0.5	32	540	1	67	< 2	77	3.16	< 2	13	794	< 0.5	< 2	2.78	19	130	4.17	10	< 1	1.64	14
886643	5	0.4	< 0.5	65	717	16	57	< 2	77	3.79	< 2	14	259	< 0.5	< 2	3.76	15	119	5.58	10	4	1.99	14
886644	< 5	0.2	< 0.5	54	658	4	94	5	87	3.71	< 2	< 10	751	< 0.5	< 2	3.82	19	167	4.87	10	1	2.01	17
886645	< 5	< 0.2	0.5	36	475	< 1	69	3	58	1.86	< 2	< 10	1330	< 0.5	< 2	2.72	18	122	3.02	10	< 1	1.07	39
886646	< 5	< 0.2	< 0.5	34	382	3	57	3	49	1.48	< 2	< 10	1020	< 0.5	< 2	1.88	15	111	2.56	< 10	< 1	0.68	28
886647	< 5	< 0.2	0.5	35	423	< 1	83	6	64	1.98	< 2	< 10	1170	< 0.5	< 2	2.11	22	151	3.32	10	< 1	1.17	42
886648	< 5	0.2	0.8	26	775	< 1	77	10	53	2.14	< 2	< 10	1430	< 0.5	< 2	4.07	25	318	3.98	< 10	< 1	0.99	19
886649	< 5	0.2	0.6	11	944	< 1	115	4	59	2.69	< 2	< 10	1930	< 0.5	< 2	5.03	33	420	4.59	< 10	4	1.42	14
886650	< 5	0.3	< 0.5	52	752	< 1	89	4	56	2.29	3	< 10	1610	< 0.5	< 2	3.93	28	289	4.06	< 10	< 1	1.17	22

Results

Activation Laboratories Ltd.

Report: A19-02286

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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
886651	< 5	< 0.2	< 0.5	42	880	< 1	98	< 2	55	2.91	3	< 10	926	< 0.5	< 2	4.48	29	432	4.57	< 10	< 1	0.86	17
886652	6	< 0.2	< 0.5	61	673	11	136	4	81	2.84	6	< 10	235	< 0.5	< 2	3.14	28	251	4.33	10	< 1	1.72	44
886653	18	0.3	< 0.5	58	879	2	117	5	68	2.98	< 2	< 10	293	< 0.5	< 2	4.72	26	331	4.61	10	1	1.72	29
886654	24	0.2	< 0.5	40	596	1	56	3	58	2.38	7	< 10	55	< 0.5	< 2	2.80	15	137	5.50	10	4	1.42	29
886655	9	0.3	< 0.5	94	776	2	87	4	65	2.94	4	< 10	261	< 0.5	< 2	4.20	29	265	4.57	< 10	< 1	1.51	24
886656	5	0.2	< 0.5	51	664	< 1	120	6	55	2.89	< 2	< 10	897	< 0.5	< 2	2.98	31	267	4.31	10	< 1	1.55	16
886657	< 5	0.3	< 0.5	45	545	< 1	133	2	56	2.71	< 2	< 10	429	< 0.5	< 2	2.58	26	329	3.64	10	< 1	0.88	18
886658	< 5	< 0.2	< 0.5	75	472	< 1	148	< 2	49	2.47	< 2	< 10	505	< 0.5	< 2	2.02	25	397	3.39	< 10	< 1	1.08	17
886659	5	< 0.2	< 0.5	41	442	< 1	130	< 2	50	2.16	< 2	< 10	474	< 0.5	< 2	2.09	26	262	3.07	< 10	< 1	0.99	22
886660	3930	0.6	< 0.5	20	373	2	54	64	53	1.30	4	< 10	24	0.8	< 2	0.89	14	48	5.27	< 10	< 1	0.32	< 10
886661	< 5	0.2	< 0.5	< 1	6	< 1	6	< 2	< 2	0.03	< 2	< 10	28	< 0.5	< 2	< 0.01	< 1	11	0.04	< 10	< 1	< 0.01	< 10
886662	10	< 0.2	< 0.5	39	370	< 1	30	3	52	2.11	< 2	< 10	823	< 0.5	< 2	2.27	15	45	2.51	< 10	< 1	1.27	35
886663	6	0.2	0.9	36	970	2	132	8	83	4.32	4	< 10	781	< 0.5	< 2	5.31	36	481	6.06	10	3	2.21	18
886664	308	0.3	< 0.5	36	421	7	35	2	61	2.08	10	< 10	155	0.5	< 2	3.23	15	43	3.78	< 10	< 1	0.92	19
886665	1240	0.5	< 0.5	42	397	8	30	< 2	55	1.97	7	< 10	255	0.5	< 2	2.88	11	43	3.68	< 10	< 1	0.96	12
886666	554	0.3	< 0.5	32	320	3	24	2	42	1.65	5	< 10	270	0.5	< 2	2.87	12	27	2.20	< 10	< 1	0.80	14
886667	6	< 0.2	< 0.5	20	489	1	9	7	90	1.87	4	< 10	158	< 0.5	< 2	2.49	19	5	3.93	10	< 1	1.13	78
886668	25	< 0.2	< 0.5	9	436	< 1	6	8	43	1.08	6	38	98	< 0.5	< 2	2.95	16	6	2.83	< 10	< 1	0.78	86
886669	120	0.3	< 0.5	49	622	2	50	4	61	2.79	4	< 10	289	< 0.5	< 2	4.35	13	61	5.55	< 10	2	1.31	19
886670	409	0.5	< 0.5	45	532	1	42	< 2	58	2.75	4	< 10	261	< 0.5	< 2	3.93	8	56	7.59	< 10	2	1.25	12
886671	14	0.4	< 0.5	39	916	< 1	102	4	87	4.49	2	< 10	868	< 0.5	2	4.44	25	337	5.84	10	3	2.95	24
886672	1460	0.5	< 0.5	39	498	3	32	4	47	2.25	< 2	< 10	230	< 0.5	< 2	3.38	13	50	3.99	< 10	< 1	1.23	15
886673	641	0.5	< 0.5	45	663	< 1	52	< 2	59	2.92	< 2	< 10	214	0.5	< 2	3.85	14	54	5.25	< 10	< 1	1.55	17
886674	21	0.5	< 0.5	56	868	< 1	87	4	86	4.18	< 2	< 10	831	< 0.5	< 2	3.94	22	301	5.34	10	2	2.80	25
886675	653	0.5	< 0.5	39	525	2	49	< 2	53	3.15	4	< 10	242	0.7	< 2	3.45	15	63	5.45	< 10	< 1	1.42	16
886676	306	0.5	< 0.5	37	475	2	55	3	66	3.24	< 2	< 10	272	< 0.5	< 2	3.33	14	71	6.11	< 10	4	1.56	14
886677	73	0.4	< 0.5	39	499	1	56	< 2	65	3.60	< 2	< 10	429	0.6	< 2	4.30	14	94	6.10	< 10	3	1.63	16
886678	128	0.6	< 0.5	79	501	2	64	2	61	3.81	< 2	< 10	199	0.5	2	4.56	11	99	7.19	10	3	1.70	16
886679	3700	0.8	0.5	22	343	2	36	3	47	1.88	< 2	< 10	263	< 0.5	< 2	2.95	14	65	2.92	< 10	< 1	0.94	10
886680	3910	0.6	< 0.5	27	377	2	56	65	54	1.32	2	< 10	32	0.9	< 2	0.90	14	48	5.26	< 10	< 1	0.31	< 10
886681	< 5	< 0.2	< 0.5	< 1	5	< 1	7	< 2	< 2	0.03	< 2	< 10	26	< 0.5	< 2	< 0.01	< 1	12	0.04	< 10	< 1	< 0.01	< 10
886682	434	0.2	< 0.5	31	465	2	37	2	53	2.44	< 2	< 10	350	0.8	< 2	3.55	15	58	2.95	< 10	< 1	1.21	14
886683	89	0.3	< 0.5	50	600	4	50	< 2	54	4.39	< 2	14	423	1.1	< 2	3.90	12	97	5.34	10	1	1.67	14
886684	12	0.6	0.6	28	771	< 1	157	26	65	4.73	< 2	< 10	374	0.7	< 2	4.64	26	371	5.66	10	1	2.09	53
886685	64	0.3	< 0.5	47	604	1	56	< 2	74	5.68	< 2	< 10	856	1.0	3	4.13	13	106	7.38	20	3	2.24	17
886686	111	0.3	< 0.5	58	681	2	44	2	70	4.30	< 2	12	248	0.7	< 2	4.51	12	90	8.05	10	< 1	1.69	16
886687	24	0.3	< 0.5	35	533	< 1	64	< 2	104	5.11	< 2	< 10	852	0.8	< 2	4.21	15	116	6.55	10	3	2.48	16

Analyte Symbol	Mg	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	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
886609	2.14	0.115	0.084	0.26	< 2	7	115	0.29	< 20	5	< 2	< 10	71	< 10	5	24	
886610	2.46	0.115	0.112	0.19	< 2	10	189	0.30	< 20	4	< 2	< 10	97	< 10	5	17	
886611	3.19	0.121	0.118	0.24	3	13	225	0.29	< 20	3	< 2	< 10	121	< 10	6	18	
886612	2.97	0.156	0.130	0.13	< 2	14	148	0.27	< 20	3	< 2	< 10	106	< 10	9	13	
886613	2.72	0.164	0.127	0.22	< 2	14	121	0.28	< 20	< 1	< 2	< 10	102	11	8	14	
886614	0.82	0.164	0.061	0.86	< 2	4	49	0.15	< 20	2	< 2	< 10	46	< 10	3	19	
886615	3.93	0.054	0.088	0.12	< 2	12	172	0.27	< 20	1	2	< 10	130	< 10	5	15	
886616	1.20	0.111	0.049	0.75	< 2	4	65	0.16	< 20	7	< 2	< 10	57	< 10	3	19	
886617	4.30	0.132	0.073	0.03	3	12	227	0.29	< 20	3	< 2	< 10	120	< 10	5	15	
886618	1.58	0.109	0.050	0.43	< 2	3	130	0.17	< 20	2	5	< 10	45	< 10	3	18	0.46
886619	1.21	0.053	0.044	0.44	< 2	2	116	0.14	< 20	< 1	< 2	< 10	34	14	3	16	0.81
886620	1.20	0.490	0.083	3.50	< 2	2	138	0.34	< 20	3	< 2	< 10	41	< 10	4	40	
886621	< 0.01	0.019	0.002	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	4	
886622	1.53	0.048	0.052	0.62	< 2	3	160	0.17	< 20	2	< 2	< 10	43	< 10	4	24	0.39
886623	1.12	0.075	0.055	1.64	2	2	150	0.13	< 20	1	< 2	< 10	28	< 10	4	19	1.31
886624	0.94	0.037	0.041	1.34	< 2	2	99	0.12	< 20	5	< 2	< 10	28	< 10	3	28	2.95
886625	1.62	0.059	0.062	1.00	3	4	117	0.16	< 20	< 1	< 2	< 10	48	< 10	5	21	1.14
886626	1.45	0.096	0.063	0.30	< 2	3	133	0.17	< 20	5	< 2	< 10	37	< 10	8	15	
886627	2.20	0.168	0.070	0.13	< 2	8	131	0.18	< 20	3	< 2	< 10	72	< 10	5	20	
886628	1.21	0.163	0.099	0.33	< 2	4	93	0.24	< 20	1	< 2	< 10	47	< 10	5	12	
886629	2.17	0.165	0.064	0.09	< 2	9	60	0.26	< 20	< 1	< 2	< 10	82	< 10	5	30	
886630	2.17	0.125	0.059	0.05	< 2	8	56	0.25	< 20	< 1	< 2	< 10	75	< 10	5	26	
886631	2.21	0.231	0.062	0.02	< 2	9	81	0.22	< 20	4	< 2	< 10	82	< 10	4	22	
886632	1.32	0.124	0.051	0.32	< 2	7	47	0.17	< 20	3	< 2	< 10	51	< 10	5	16	
886633	1.67	0.170	0.054	0.25	< 2	7	57	0.20	< 20	2	< 2	< 10	67	< 10	5	24	
886634	1.76	0.215	0.058	0.12	< 2	6	124	0.20	< 20	4	< 2	< 10	61	< 10	4	15	
886635	1.88	0.280	0.064	0.39	< 2	6	221	0.21	< 20	4	< 2	< 10	61	< 10	4	19	
886636	1.89	0.325	0.054	0.13	< 2	7	153	0.20	< 20	2	< 2	< 10	63	< 10	4	23	
886637	1.68	0.269	0.063	0.16	< 2	8	52	0.20	< 20	< 1	< 2	< 10	76	< 10	5	14	
886638	1.73	0.241	0.056	0.22	< 2	6	106	0.19	< 20	< 1	< 2	< 10	61	< 10	4	24	
886639	1.79	0.220	0.063	0.13	< 2	9	54	0.19	< 20	2	3	< 10	67	< 10	5	7	
886640																	
886641	< 0.01	0.015	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	2	
886642	2.21	0.223	0.060	0.09	< 2	8	123	0.22	< 20	2	< 2	< 10	81	< 10	4	21	
886643	2.41	0.246	0.059	0.51	< 2	7	149	0.19	< 20	3	< 2	< 10	68	< 10	4	21	
886644	2.29	0.281	0.081	0.23	< 2	10	150	0.25	< 20	6	< 2	< 10	94	< 10	5	27	
886645	1.86	0.190	0.110	0.10	< 2	7	107	0.26	< 20	2	< 2	< 10	72	< 10	7	10	
886646	1.54	0.162	0.092	0.11	< 2	7	79	0.21	< 20	3	< 2	< 10	64	< 10	6	8	
886647	2.08	0.207	0.114	0.15	< 2	8	97	0.26	< 20	4	< 2	< 10	85	< 10	8	10	
886648	2.85	0.204	0.096	0.03	< 2	15	88	0.23	< 20	< 1	< 2	< 10	98	< 10	7	10	
886649	3.62	0.163	0.090	0.02	< 2	14	102	0.22	< 20	6	< 2	< 10	94	< 10	6	16	

Analyte Symbol	Mg	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	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
886650	2.85	0.175	0.102	0.11	< 2	14	103	0.26	< 20	2	< 2	< 10	92	< 10	7	14	
886651	3.51	0.240	0.096	0.03	< 2	18	111	0.22	< 20	3	< 2	< 10	104	< 10	7	14	
886652	2.83	0.126	0.118	0.49	< 2	10	132	0.31	< 20	3	< 2	< 10	94	< 10	14	21	
886653	3.18	0.115	0.101	0.38	3	12	140	0.25	< 20	5	< 2	< 10	87	< 10	9	27	
886654	1.89	0.098	0.070	1.56	< 2	9	144	0.23	< 20	5	< 2	< 10	78	< 10	15	48	
886655	3.10	0.138	0.091	0.36	2	14	159	0.27	< 20	< 1	< 2	< 10	104	11	9	25	
886656	3.24	0.181	0.059	0.17	< 2	13	125	0.24	< 20	5	< 2	< 10	127	< 10	7	22	
886657	2.96	0.109	0.085	0.11	< 2	9	230	0.31	< 20	7	< 2	< 10	89	< 10	6	21	
886658	3.11	0.151	0.102	0.07	< 2	9	138	0.29	< 20	4	< 2	< 10	83	< 10	6	17	
886659	2.54	0.149	0.085	0.20	< 2	8	143	0.28	< 20	5	< 2	< 10	78	< 10	5	19	
886660	1.29	0.531	0.087	3.65	< 2	2	144	0.35	< 20	8	< 2	< 10	42	< 10	4	41	
886661	< 0.01	0.017	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	2	
886662	1.38	0.128	0.102	0.20	< 2	5	123	0.29	< 20	5	< 2	< 10	60	< 10	5	10	
886663	4.56	0.058	0.091	0.04	< 2	17	176	0.28	< 20	2	< 2	< 10	118	< 10	6	19	
886664	1.13	0.040	0.060	1.07	< 2	3	109	0.14	< 20	5	< 2	< 10	32	< 10	4	22	
886665	1.07	0.037	0.046	0.88	< 2	2	102	0.13	< 20	< 1	< 2	< 10	29	< 10	3	20	1.17
886666	0.79	0.030	0.043	0.31	< 2	2	80	0.09	< 20	3	< 2	< 10	18	< 10	3	6	
886667	1.37	0.104	0.219	0.86	< 2	4	170	0.28	< 20	3	< 2	< 10	62	< 10	10	6	
886668	0.71	0.088	0.245	1.46	< 2	2	136	0.16	< 20	2	< 2	< 10	31	< 10	11	5	
886669	1.69	0.044	0.070	0.33	< 2	4	152	0.17	< 20	5	< 2	< 10	41	< 10	5	22	
886670	1.69	0.059	0.062	0.65	< 2	4	100	0.14	< 20	< 1	< 2	< 10	42	11	5	17	
886671	3.91	0.155	0.087	0.03	3	10	195	0.31	< 20	< 1	< 2	< 10	119	< 10	7	34	
886672	1.18	0.094	0.054	0.72	< 2	3	117	0.13	< 20	3	< 2	< 10	33	< 10	4	20	1.14
886673	1.55	0.161	0.060	0.85	< 2	4	143	0.16	< 20	3	< 2	< 10	45	11	5	27	
886674	3.43	0.176	0.088	0.14	< 2	11	172	0.29	< 20	4	< 2	< 10	110	< 10	6	38	
886675	1.69	0.059	0.066	0.55	< 2	4	108	0.18	< 20	1	< 2	< 10	50	14	4	25	
886676	1.63	0.056	0.058	0.49	< 2	5	114	0.17	< 20	< 1	< 2	< 10	56	< 10	5	20	
886677	2.13	0.046	0.068	0.31	< 2	6	110	0.21	< 20	< 1	< 2	< 10	60	< 10	5	23	
886678	2.27	0.039	0.070	0.76	< 2	6	123	0.22	< 20	1	< 2	< 10	68	< 10	5	27	
886679	1.09	0.037	0.052	0.27	< 2	3	69	0.14	< 20	2	< 2	< 10	29	< 10	3	15	3.42
886680	1.29	0.524	0.089	3.68	< 2	2	149	0.36	< 20	2	< 2	< 10	43	< 10	4	43	
886681	< 0.01	0.015	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	1	
886682	1.17	0.097	0.057	0.20	< 2	3	138	0.15	< 20	7	< 2	< 10	30	< 10	4	14	
886683	1.77	0.349	0.063	0.37	< 2	5	254	0.17	< 20	1	3	< 10	58	14	4	20	
886684	4.02	0.247	0.137	0.35	2	8	437	0.29	< 20	4	< 2	< 10	101	11	11	14	
886685	1.98	0.306	0.072	0.18	3	7	252	0.20	< 20	5	< 2	< 10	79	< 10	5	16	
886686	1.97	0.109	0.072	0.46	< 2	6	187	0.18	< 20	< 1	< 2	< 10	63	< 10	6	20	
886687	2.10	0.173	0.071	0.15	< 2	6	231	0.23	< 20	4	< 2	< 10	73	< 10	5	23	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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		0.4	< 0.5	6290	451	2	38	12	26	1.89	98		249	8.4	11	0.04	95	27	6.40	< 10		0.94	43
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
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2400	787	< 1	38	63	268	2.92	6		246	0.9	8	0.40	17	50	5.51	< 10		0.52	39
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
OREAS 923 (AQUA REGIA) Meas		1.9	< 0.5	4670	915	< 1	36	82	362	2.97	8		192	0.8	29	0.43	20	48	6.40	< 10		0.45	37
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
OREAS 520 (Aqua Regia) Meas				2940	2060	61	74	< 2	21	1.48	151			0.6	< 2	3.57	181	37	16.3	10		0.50	72
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
OREAS 216 (Fire Assay) Meas																							
OREAS 216 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas		62.3	323	3690	558	15	26	4710	> 10000	1.79	81			0.7	18	1.75	34	36	3.44	10	4	0.39	21
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
Oreas 221 (Fire Assay) Meas	1040																						
Oreas 221 (Fire Assay) Cert	1060																						
Oreas 221 (Fire Assay) Meas	1070																						
Oreas 221 (Fire Assay) Cert	1060																						
Oreas 221 (Fire Assay) Meas	1050																						
Oreas 221 (Fire Assay) Cert	1060																						
OREAS 255 (Fire Assay) Meas	4000																						
OREAS 255 (Fire Assay) Cert	4080																						
OREAS 255 (Fire Assay) Meas	3990																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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	4080																						
886618 Orig	356																						
886618 Dup	319																						
886621 Orig		< 0.2	< 0.5	2	8	< 1	3	< 2	< 2	0.03	< 2	< 10	33	< 0.5	< 2	0.01	< 1	5	0.03	< 10	< 1	0.01	< 10
886621 Dup		< 0.2	< 0.5	2	7	< 1	3	< 2	< 2	0.03	< 2	< 10	34	< 0.5	< 2	0.01	< 1	5	0.03	< 10	< 1	0.01	< 10
886628 Orig	< 5																						
886628 Dup	< 5																						
886635 Orig		0.3	< 0.5	30	624	2	57	< 2	46	3.51	< 2	16	432	0.6	< 2	4.23	16	115	4.61	10	6	1.73	13
886635 Dup		0.3	< 0.5	31	641	2	57	2	43	3.51	< 2	16	442	0.6	2	4.27	16	115	4.78	10	3	1.71	14
886638 Orig	13																						
886638 Dup	12																						
886648 Orig		0.2	0.7	26	778	< 1	77	10	53	2.15	3	< 10	1430	< 0.5	< 2	4.09	25	320	3.97	< 10	< 1	0.99	19
886648 Dup		0.2	0.8	25	771	< 1	77	10	53	2.12	< 2	< 10	1420	< 0.5	< 2	4.05	24	316	3.98	< 10	< 1	1.00	19
886653 Orig	18																						
886653 Dup	17																						
886658 Orig	< 5	< 0.2	< 0.5	75	472	< 1	148	< 2	49	2.47	< 2	< 10	505	< 0.5	< 2	2.02	25	397	3.39	< 10	< 1	1.08	17
886658 Split PREP DUP	< 5	< 0.2	< 0.5	73	467	< 1	147	< 2	50	2.48	< 2	< 10	514	< 0.5	< 2	2.00	27	394	3.37	< 10	< 1	1.10	18
886662 Orig	10	< 0.2	< 0.5	40	367	< 1	30	3	53	2.12	< 2	< 10	832	< 0.5	< 2	2.26	15	45	2.53	< 10	< 1	1.29	35
886662 Dup	9	< 0.2	0.6	38	372	1	29	2	52	2.11	< 2	< 10	813	< 0.5	< 2	2.28	14	45	2.49	< 10	< 1	1.25	34
886672 Orig	1560																						
886672 Dup	1360																						
886685 Orig		0.3	< 0.5	48	604	1	57	< 2	75	5.71	< 2	< 10	799	1.0	3	4.14	14	107	7.43	20	3	2.28	17
886685 Dup		0.3	< 0.5	47	604	1	55	< 2	72	5.64	< 2	< 10	914	1.0	3	4.12	13	105	7.33	20	3	2.21	17
886687 Orig	24																						
886687 Dup	23																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	22	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	22	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank																							

Analyte Symbol	Mg	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	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
OREAS 904 (Aqua Regia) Meas	0.22		0.106	0.04	2	5	20		< 20		< 2	< 10	35		19		
OREAS 904 (Aqua Regia) Cert	0.143		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	1.47	0.036	0.066	0.41	< 2	4	16		< 20		< 2	< 10	37	< 10	19	13	
OREAS 922 (AQUA REGIA) Cert	1.33	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	1.58		0.065	0.74	< 2	4	15		< 20		< 2	< 10	38	< 10	18	25	
OREAS 923 (AQUA REGIA) Cert	1.43		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	1.20	0.065	0.074	0.93	5	12	29	0.16	< 20	1	< 2	< 10	238	28	12	44	
OREAS 520 (Aqua Regia) Cert	1.14	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 216 (Fire Assay) Meas																	6.79
OREAS 216 (Fire Assay) Cert																	6.66
Oreas 621 (Aqua Regia) Meas	0.48	0.195	0.033	4.93	97	3	17		< 20		< 2	< 10	14	< 10	8	28	
Oreas 621 (Aqua Regia) Cert	0.436	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 221 (Fire Assay) Meas																	
Oreas 221 (Fire Assay) Cert																	
Oreas 221 (Fire Assay) Meas																	
Oreas 221 (Fire Assay) Cert																	
Oreas 221 (Fire Assay) Meas																	
Oreas 221 (Fire Assay) Cert																	
OREAS 255 (Fire Assay) Meas																	4.11
OREAS 255 (Fire Assay) Cert																	4.08
OREAS 255 (Fire Assay) Meas																	

Analyte Symbol	Mg	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	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
Assay) Meas																	
OREAS 255 (Fire Assay) Cert																	
886618 Orig																	
886618 Dup																	
886621 Orig	< 0.01	0.019	0.002	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	4	
886621 Dup	< 0.01	0.019	0.003	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	4	
886628 Orig																	
886628 Dup																	
886635 Orig	1.88	0.282	0.063	0.38	< 2	6	220	0.21	< 20	4	< 2	< 10	61	< 10	4	15	
886635 Dup	1.88	0.279	0.064	0.39	< 2	6	223	0.21	< 20	5	< 2	< 10	61	< 10	4	24	
886638 Orig																	
886638 Dup																	
886648 Orig	2.85	0.204	0.095	0.03	2	15	89	0.23	< 20	< 1	< 2	< 10	98	< 10	7	10	
886648 Dup	2.85	0.204	0.096	0.03	< 2	15	88	0.23	< 20	< 1	< 2	< 10	98	< 10	7	9	
886653 Orig																	
886653 Dup																	
886658 Orig	3.11	0.151	0.102	0.07	< 2	9	138	0.29	< 20	4	< 2	< 10	83	< 10	6	17	
886658 Split PREP DUP	3.10	0.153	0.104	0.08	< 2	9	138	0.28	< 20	1	< 2	< 10	83	< 10	6	17	
886662 Orig	1.38	0.131	0.103	0.20	< 2	5	122	0.29	< 20	3	< 2	< 10	60	< 10	5	10	
886662 Dup	1.37	0.125	0.101	0.20	< 2	5	123	0.29	< 20	6	< 2	< 10	60	< 10	5	9	
886672 Orig																	
886672 Dup																	
886685 Orig	2.01	0.310	0.073	0.18	3	7	254	0.21	< 20	4	< 2	< 10	80	< 10	5	16	
886685 Dup	1.96	0.303	0.071	0.17	4	7	250	0.20	< 20	6	< 2	< 10	79	< 10	5	16	
886687 Orig																	
886687 Dup																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	4	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank																	< 0.03



Date Submitted: 26-Feb-19
Invoice No.: A19-02968
Invoice Date: 14-Mar-19
Your Reference: 1987-07

Benton Resources Inc.
684 Squier Street
Thunder Bay ON P7B 4A8
Canada

ATTN: Nathan Sims (Inv)

CERTIFICATE OF ANALYSIS

35 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

Code 1E3-Tbay Aqua Regia ICP(AQUAGEO)

REPORT **A19-02968**

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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:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with a large, stylized 'E' and 'S'.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Results

Activation Laboratories Ltd.

Report: A19-02968

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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
886688	5	< 0.2	< 0.5	52	546	< 1	173	< 2	50	2.43	3	< 10	160	< 0.5	< 2	2.71	26	316	3.35	< 10	< 1	1.08	23
886689	10	0.3	< 0.5	127	544	< 1	123	< 2	49	2.31	3	< 10	185	< 0.5	< 2	2.78	25	258	3.06	< 10	< 1	1.33	24
886690	15	0.2	< 0.5	50	640	< 1	87	< 2	61	3.08	< 2	< 10	115	< 0.5	< 2	3.38	22	194	3.91	< 10	< 1	1.51	18
886691	46	< 0.2	< 0.5	19	324	2	16	< 2	37	1.29	< 2	< 10	71	< 0.5	< 2	2.49	7	26	1.90	< 10	< 1	0.54	< 10
886692	20	< 0.2	< 0.5	35	558	< 1	55	< 2	52	3.15	4	< 10	177	0.5	< 2	3.86	18	68	2.59	< 10	< 1	1.71	16
886693	96	< 0.2	< 0.5	27	308	2	24	< 2	48	1.36	< 2	< 10	65	< 0.5	< 2	2.03	6	29	2.10	< 10	< 1	0.73	< 10
886694	252	0.7	< 0.5	84	712	< 1	33	< 2	79	3.26	9	< 10	24	< 0.5	3	3.96	12	57	8.37	< 10	2	1.60	13
886695	113	0.4	< 0.5	45	509	< 1	53	< 2	79	3.10	< 2	< 10	41	< 0.5	< 2	3.23	14	96	6.45	< 10	2	1.88	14
886696	52	0.3	< 0.5	36	634	10	68	< 2	70	4.35	< 2	< 10	35	< 0.5	< 2	3.88	14	143	6.23	10	3	2.32	13
886697	34	0.3	< 0.5	14	544	1	71	< 2	63	3.13	< 2	< 10	98	< 0.5	< 2	3.01	19	120	4.43	< 10	2	2.03	11
886698	427	0.3	< 0.5	51	520	2	68	< 2	105	4.71	< 2	< 10	36	0.6	6	3.58	12	135	8.48	10	2	2.47	13
886699	21	0.4	< 0.5	26	582	2	83	< 2	79	4.61	< 2	< 10	137	0.6	< 2	4.42	18	162	5.45	10	3	2.53	14
886700	15	0.3	< 0.5	20	564	2	81	< 2	64	5.10	< 2	< 10	198	0.5	4	3.47	18	150	5.57	10	2	2.56	14
886701	32	0.5	< 0.5	33	568	1	58	< 2	68	3.91	< 2	< 10	60	< 0.5	< 2	3.98	13	103	5.88	< 10	3	2.25	18
886702	139	0.4	< 0.5	45	610	1	55	< 2	75	3.67	< 2	< 10	77	< 0.5	< 2	4.85	16	112	5.28	< 10	4	2.22	12
886703	4030	0.6	< 0.5	19	376	2	62	58	52	1.30	< 2	< 10	< 10	0.7	3	0.85	14	45	5.05	< 10	< 1	0.31	< 10
886704	< 5	< 0.2	< 0.5	< 1	6	< 1	9	< 2	< 2	0.04	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	11	0.04	< 10	< 1	< 0.01	< 10
886705	87	0.5	< 0.5	59	567	4	40	< 2	73	3.04	2	< 10	44	< 0.5	< 2	3.86	11	55	7.35	< 10	2	1.73	11
886706	< 5	< 0.2	< 0.5	24	560	< 1	10	3	93	2.49	4	< 10	62	< 0.5	< 2	1.87	16	4	3.77	< 10	< 1	1.77	70
886707	< 5	< 0.2	< 0.5	26	601	< 1	10	5	94	2.00	6	< 10	33	< 0.5	< 2	2.02	18	5	3.88	< 10	< 1	1.62	75
886708	22	0.2	< 0.5	53	611	3	65	< 2	100	3.29	< 2	< 10	74	< 0.5	< 2	4.10	16	101	5.90	< 10	3	2.11	14
886709	21	0.3	< 0.5	55	564	2	63	< 2	125	2.82	4	< 10	91	< 0.5	< 2	4.15	20	73	4.96	< 10	3	1.89	14
886710	24	0.3	< 0.5	64	537	4	49	2	89	2.98	< 2	< 10	63	< 0.5	< 2	3.65	15	58	4.19	< 10	< 1	1.98	12
886711	60	0.3	< 0.5	71	525	21	44	< 2	98	3.25	2	< 10	39	< 0.5	3	2.88	11	53	6.84	< 10	2	1.85	14
886712	12	0.4	< 0.5	82	621	2	33	< 2	64	2.80	< 2	< 10	26	< 0.5	< 2	3.20	8	41	7.97	< 10	4	1.38	< 10
886713	17	0.5	< 0.5	87	518	12	41	< 2	74	3.12	< 2	< 10	20	< 0.5	3	2.05	6	48	14.7	< 10	3	1.15	12
886714	23	0.4	< 0.5	65	675	5	68	< 2	69	3.50	< 2	< 10	31	< 0.5	3	3.37	17	109	9.60	< 10	1	1.92	13
886715	121	0.4	< 0.5	51	547	6	69	< 2	75	3.37	3	< 10	31	< 0.5	< 2	3.06	14	128	7.54	< 10	2	1.50	13
886716	14	< 0.2	< 0.5	36	434	3	67	< 2	68	2.54	< 2	< 10	288	< 0.5	< 2	1.84	17	144	4.71	< 10	< 1	1.53	16
886717	14	0.2	< 0.5	61	542	1	56	< 2	69	3.67	< 2	< 10	255	< 0.5	< 2	2.67	12	79	5.51	< 10	2	1.99	12
886718	7	< 0.2	< 0.5	21	448	< 1	34	< 2	64	1.81	< 2	< 10	177	< 0.5	< 2	2.14	12	46	2.90	< 10	< 1	1.29	30
886719	993	0.8	0.5	5	144	< 1	118	88	37	0.20	2	< 10	< 10	< 0.5	< 2	0.16	8	24	2.89	< 10	< 1	0.04	< 10
886720	< 5	< 0.2	< 0.5	< 1	7	< 1	8	< 2	< 2	0.04	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	10	0.04	< 10	< 1	< 0.01	< 10
886721	8	0.2	< 0.5	44	744	1	76	< 2	67	4.44	< 2	< 10	321	< 0.5	< 2	3.23	15	132	5.05	10	2	1.87	14
886722	< 5	0.2	< 0.5	34	695	1	74	< 2	61	3.97	< 2	< 10	303	< 0.5	< 2	3.65	19	136	4.15	10	1	1.93	15

Analyte Symbol	Mg	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	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
886688	2.86	0.174	0.116	0.06	2	10	124	0.25	< 20	1	< 2	< 10	86	< 10	7	14	
886689	2.45	0.091	0.127	0.18	< 2	7	111	0.21	< 20	< 1	< 2	< 10	77	< 10	6	12	
886690	2.53	0.140	0.092	0.32	< 2	9	126	0.23	< 20	2	< 2	< 10	87	12	6	25	
886691	0.78	0.038	0.045	0.35	< 2	2	59	0.09	< 20	2	< 2	< 10	20	< 10	3	12	
886692	1.35	0.057	0.069	0.19	2	5	115	0.13	< 20	2	< 2	< 10	45	< 10	5	4	
886693	0.77	0.034	0.043	0.40	< 2	2	77	0.07	< 20	< 1	< 2	< 10	23	< 10	3	15	
886694	1.75	0.057	0.072	1.86	< 2	7	145	0.19	< 20	< 1	< 2	< 10	97	< 10	7	23	
886695	1.79	0.156	0.080	0.90	< 2	6	114	0.24	< 20	1	< 2	< 10	83	< 10	7	22	
886696	2.66	0.249	0.058	0.77	2	9	152	0.22	< 20	< 1	5	< 10	92	< 10	7	17	
886697	2.02	0.159	0.055	0.41	< 2	7	99	0.21	< 20	4	< 2	< 10	74	< 10	6	18	
886698	2.30	0.264	0.077	0.80	< 2	8	189	0.24	< 20	2	< 2	< 10	98	< 10	7	24	
886699	2.44	0.320	0.068	0.30	< 2	9	229	0.27	< 20	1	< 2	< 10	103	< 10	7	25	
886700	2.45	0.389	0.068	0.30	< 2	9	195	0.24	< 20	< 1	< 2	< 10	93	< 10	6	23	
886701	2.13	0.196	0.085	0.74	3	6	147	0.19	< 20	2	< 2	< 10	70	< 10	6	21	
886702	1.97	0.156	0.062	0.61	< 2	6	169	0.21	< 20	< 1	< 2	< 10	77	< 10	6	21	
886703	1.18	0.479	0.090	3.15	< 2	2	132	0.31	< 20	3	< 2	< 10	42	< 10	4	33	4.19
886704	< 0.01	0.016	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	1	
886705	1.74	0.094	0.065	0.96	< 2	4	119	0.15	< 20	< 1	< 2	< 10	64	< 10	6	19	
886706	1.40	0.205	0.256	0.43	< 2	4	195	0.28	< 20	2	< 2	< 10	73	< 10	13	8	
886707	1.38	0.098	0.230	0.89	< 2	4	141	0.19	< 20	1	< 2	< 10	64	< 10	12	3	
886708	1.91	0.060	0.074	0.72	< 2	7	122	0.22	< 20	4	< 2	< 10	73	< 10	6	20	
886709	1.77	0.074	0.069	0.55	< 2	4	96	0.19	< 20	< 1	< 2	< 10	58	< 10	6	16	
886710	1.64	0.130	0.071	0.62	< 2	5	71	0.15	< 20	< 1	< 2	< 10	58	< 10	6	8	
886711	1.61	0.183	0.071	0.81	< 2	4	87	0.15	< 20	< 1	< 2	< 10	58	< 10	7	13	
886712	1.51	0.203	0.059	1.24	< 2	3	128	0.10	< 20	< 1	< 2	< 10	54	< 10	6	17	
886713	1.64	0.238	0.081	1.43	5	6	119	0.14	< 20	4	< 2	< 10	93	< 10	9	25	
886714	2.07	0.215	0.079	1.04	< 2	8	111	0.22	< 20	< 1	< 2	< 10	101	< 10	9	23	
886715	1.93	0.243	0.069	0.78	< 2	7	127	0.20	< 20	2	< 2	< 10	81	< 10	7	20	
886716	2.04	0.160	0.078	0.15	< 2	8	41	0.21	< 20	3	< 2	< 10	82	< 10	6	14	
886717	1.79	0.273	0.063	0.07	< 2	5	122	0.19	< 20	3	< 2	< 10	57	< 10	5	9	
886718	1.20	0.115	0.102	0.22	< 2	4	79	0.20	< 20	3	3	< 10	51	< 10	5	8	
886719	1.18	0.078	0.022	2.74	< 2	1	6	< 0.01	< 20	< 1	< 2	< 10	3	< 10	2	5	
886720	< 0.01	0.016	0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	2	
886721	2.08	0.420	0.067	0.04	< 2	7	166	0.20	< 20	2	< 2	< 10	78	< 10	5	23	
886722	2.34	0.320	0.069	0.03	< 2	8	129	0.19	< 20	< 1	< 2	< 10	83	< 10	5	21	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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		0.4	< 0.5	5730	450	2	40	10	26	1.92	89		76	7.3	< 2	0.04	89	25	6.19	< 10		0.94	38
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
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6260	469	2	42	10	26	1.95	93		78	7.5	< 2	0.04	91	26	6.65	< 10		0.99	40
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
OREAS 922 (AQUA REGIA) Meas		1.0	< 0.5	2190	826	< 1	40	60	283	2.94	7		76	0.8	10	0.41	17	48	5.33	< 10		0.51	37
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
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2210	816	< 1	39	56	279	2.95	5		64	0.7	7	0.40	16	45	5.46	< 10		0.51	37
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
OREAS 923 (AQUA REGIA) Meas		1.8	< 0.5	4520	911	< 1	37	82	368	2.94	6		45	0.7	18	0.41	19	43	6.14	< 10		0.43	34
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
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4360	911	< 1	39	80	359	2.96	5		37	0.7	13	0.41	20	43	6.29	< 10		0.43	34
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
OREAS 520 (Aqua Regia) Meas				2710	2050	52	78	< 2	21	1.47	135			0.6	< 2	3.34	169	34	15.5	10		0.48	64
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
OREAS 520 (Aqua Regia) Meas				2890	2070	53	80	< 2	22	1.54	131			0.6	2	3.45	168	35	16.6	10		0.53	64
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
OREAS 216 (Fire Assay) Meas																							
OREAS 216 (Fire Assay) Cert																							
OREAS 222 (Fire	1250																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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
Assay) Meas																							
OREAS 222 (Fire Assay) Cert	1220																						
Oreas 621 (Aqua Regia) Meas		68.3	288	3490	564	14	29	> 5000	> 10000	1.82	75			0.6	4	1.65	29	32	3.42	10	4	0.40	19
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
Oreas 621 (Aqua Regia) Meas		64.2	282	3320	556	12	28	> 5000	> 10000	1.73	72			0.6	6	1.66	29	32	3.35	10	3	0.39	17
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
OREAS 215 (Fire Assay) Meas	3620																						
OREAS 215 (Fire Assay) Cert	3540																						
886695 Orig		0.3	< 0.5	44	507	< 1	52	< 2	79	3.07	< 2	< 10	43	< 0.5	< 2	3.21	14	95	6.34	< 10	4	1.86	14
886695 Dup		0.5	< 0.5	46	512	< 1	54	< 2	79	3.12	< 2	< 10	40	< 0.5	5	3.26	14	96	6.57	< 10	1	1.90	14
886697 Orig	32																						
886697 Dup	35																						
886707 Orig	< 5																						
886707 Dup	< 5																						
886715 Orig		0.4	< 0.5	50	542	6	68	< 2	75	3.34	3	< 10	30	< 0.5	< 2	3.02	14	126	7.45	< 10	2	1.49	13
886715 Dup		0.4	< 0.5	52	553	6	69	< 2	76	3.40	3	< 10	33	< 0.5	< 2	3.09	14	130	7.64	< 10	2	1.52	13
886717 Orig	14																						
886717 Dup	14																						
Method Blank	< 5																						
Method Blank	< 5																						
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
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
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
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
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

Analyte Symbol	Mg	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	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
OREAS 904 (Aqua Regia) Meas	0.21		0.109	0.04	3	5	19		< 20		< 2	< 10	35		20		
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2		
OREAS 904 (Aqua Regia) Meas	0.21		0.079	0.04	2	5	20		< 20		< 2	< 10	35		21		
OREAS 904 (Aqua Regia) Cert	0.143		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	1.40	0.034	0.073	0.36	2	4	16		< 20		< 2	< 10	38	< 10	23	20	
OREAS 922 (AQUA REGIA) Cert	1.33	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	1.41	0.034	0.050	0.36	3	4	17		< 20		< 2	< 10	37	< 10	22	14	
OREAS 922 (AQUA REGIA) Cert	1.33	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	1.48		0.070	0.69	3	4	14		< 20		< 2	< 10	38	< 10	21	22	
OREAS 923 (AQUA REGIA) Cert	1.43		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	1.51		0.049	0.65	< 2	4	15		< 20		< 2	< 10	37	< 10	21	25	
OREAS 923 (AQUA REGIA) Cert	1.43		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	1.10	0.061	0.080	0.79	8	11	27	0.14	< 20	< 1	< 2	10	236	25	13	37	
OREAS 520 (Aqua Regia) Cert	1.14	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 520 (Aqua Regia) Meas	1.16	0.068	0.057	0.84	6	11	27	0.14	< 20	3	< 2	11	242	22	13	32	
OREAS 520 (Aqua Regia) Cert	1.14	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 216 (Fire Assay) Meas																	6.76
OREAS 216 (Fire Assay) Cert																	6.66

Analyte Symbol	Mg	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	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
OREAS 222 (Fire Assay) Meas																	
OREAS 222 (Fire Assay) Cert																	
Oreas 621 (Aqua Regia) Meas	0.44	0.183	0.038	4.50	107	3	18		< 20		< 2	< 10	14	< 10	9	56	
Oreas 621 (Aqua Regia) Cert	0.436	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	0.44	0.181	0.022	4.11	68	2	16		< 20		< 2	< 10	13	< 10	8	10	
Oreas 621 (Aqua Regia) Cert	0.436	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 215 (Fire Assay) Meas																	
OREAS 215 (Fire Assay) Cert																	
886695 Orig	1.76	0.154	0.079	0.88	< 2	6	112	0.23	< 20	1	< 2	< 10	83	< 10	7	24	
886695 Dup	1.81	0.158	0.081	0.92	< 2	6	116	0.24	< 20	1	2	< 10	83	< 10	7	21	
886697 Orig																	
886697 Dup																	
886707 Orig																	
886707 Dup																	
886715 Orig	1.91	0.240	0.068	0.77	< 2	7	127	0.20	< 20	3	< 2	< 10	80	< 10	7	19	
886715 Dup	1.95	0.245	0.069	0.78	3	7	127	0.20	< 20	2	< 2	< 10	82	< 10	7	20	
886717 Orig																	
886717 Dup																	
Method Blank																	
Method Blank																	
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank																	< 0.03



Date Submitted: 11-Mar-19
Invoice No.: A19-03591
Invoice Date: 01-Apr-19
Your Reference: 1987-07

Benton Resources Inc.
684 Squier Street
Thunder Bay ON P7B 4A8
Canada

ATTN: Nathan Sims (Inv)

CERTIFICATE OF ANALYSIS

214 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

Code 1E3-Tbay Aqua Regia ICP(AQUAGEO)

REPORT **A19-03591**

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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:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with some loops and flourishes.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A19-03591

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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
886723	33	0.4	< 0.5	52	685	2	88	< 2	69	3.21	8	< 10	64	0.6	3	3.57	22	248	4.92	10	2	0.54	18
886724	< 5	< 0.2	< 0.5	49	566	< 1	131	2	59	2.67	6	< 10	74	< 0.5	< 2	2.43	21	214	3.52	10	< 1	0.41	18
886725	7	0.2	< 0.5	77	663	1	125	< 2	70	2.94	6	< 10	133	< 0.5	3	2.47	30	210	4.19	< 10	< 1	0.72	18
886726	563	0.3	< 0.5	155	610	3	67	2	81	2.17	24	50	23	0.6	< 2	2.06	19	99	7.27	< 10	< 1	0.40	12
886727	10	0.2	< 0.5	64	729	3	110	5	85	3.46	4	< 10	208	< 0.5	3	2.98	29	260	4.83	< 10	2	1.77	17
886728	10	< 0.2	< 0.5	22	301	1	13	< 2	41	1.35	< 2	10	148	< 0.5	< 2	1.06	8	44	1.96	< 10	< 1	0.64	15
886729	9	< 0.2	< 0.5	41	614	3	67	< 2	67	2.79	< 2	< 10	153	< 0.5	< 2	3.75	17	91	3.31	< 10	< 1	1.77	15
886730	32	0.3	< 0.5	76	625	< 1	66	< 2	67	3.33	< 2	< 10	142	< 0.5	< 2	3.57	18	103	3.90	< 10	2	1.94	17
886731	17	0.2	< 0.5	60	722	1	67	< 2	68	2.80	< 2	< 10	122	< 0.5	< 2	4.33	19	76	3.45	< 10	< 1	1.91	17
886732	< 5	< 0.2	< 0.5	20	270	< 1	9	3	51	1.20	< 2	< 10	90	< 0.5	< 2	1.50	7	23	1.66	< 10	< 1	0.76	18
886733	13	< 0.2	< 0.5	14	253	< 1	6	< 2	59	1.11	< 2	< 10	82	< 0.5	< 2	1.77	6	18	1.45	< 10	< 1	0.70	18
886734	12	< 0.2	< 0.5	15	238	< 1	5	3	50	1.08	< 2	< 10	85	< 0.5	< 2	1.76	6	16	1.43	< 10	< 1	0.66	22
886735	6	< 0.2	< 0.5	29	232	< 1	5	< 2	55	1.02	2	< 10	72	< 0.5	< 2	1.81	5	18	1.39	< 10	< 1	0.62	15
886736	10	< 0.2	< 0.5	22	271	< 1	11	< 2	63	1.45	4	< 10	110	< 0.5	< 2	1.63	8	36	1.92	< 10	< 1	0.95	16
886737	18	< 0.2	< 0.5	54	545	3	51	< 2	61	2.31	< 2	< 10	128	< 0.5	< 2	3.73	15	89	3.01	< 10	< 1	1.62	10
886738	30	< 0.2	< 0.5	52	713	< 1	66	< 2	72	2.75	< 2	< 10	189	< 0.5	3	3.92	18	111	3.75	< 10	< 1	2.15	13
886739	55	< 0.2	< 0.5	36	444	2	19	< 2	48	1.24	3	< 10	70	< 0.5	< 2	3.21	8	54	2.35	< 10	< 1	0.72	13
886740	581	0.3	< 0.5	85	621	< 1	38	< 2	109	1.95	< 2	< 10	40	< 0.5	< 2	3.09	24	54	5.26	< 10	4	1.29	14
886741	< 5	< 0.2	< 0.5	6	217	1	6	< 2	50	1.26	< 2	< 10	107	< 0.5	< 2	0.88	7	26	1.55	< 10	< 1	0.73	16
886742	< 5	< 0.2	< 0.5	22	161	1	6	< 2	32	1.04	< 2	21	90	< 0.5	< 2	0.75	8	24	1.31	< 10	< 1	0.53	17
886743	7	< 0.2	< 0.5	24	683	< 1	70	7	106	3.47	< 2	< 10	257	< 0.5	< 2	3.75	20	165	4.89	10	< 1	2.63	14
886744	1780	0.5	< 0.5	169	790	1	90	3	65	4.08	14	18	25	< 0.5	< 2	3.52	29	121	5.95	10	< 1	0.09	< 10
886745	< 5	< 0.2	< 0.5	2	8	< 1	4	< 2	< 2	0.04	< 2	< 10	11	< 0.5	< 2	0.01	< 1	6	0.04	< 10	< 1	0.01	< 10
886746	59	0.2	< 0.5	88	644	< 1	72	< 2	89	3.38	< 2	< 10	128	< 0.5	3	3.60	19	126	4.44	< 10	< 1	2.40	14
886747	28	< 0.2	< 0.5	31	342	2	22	< 2	49	1.15	< 2	< 10	96	< 0.5	< 2	1.69	8	61	1.79	< 10	< 1	0.84	10
886748	20	< 0.2	< 0.5	10	550	1	9	8	98	1.79	< 2	< 10	242	< 0.5	< 2	1.53	10	30	3.42	< 10	< 1	1.25	115
886749	23	< 0.2	< 0.5	81	675	< 1	51	3	92	2.69	< 2	< 10	142	< 0.5	< 2	3.64	18	66	4.11	< 10	< 1	1.79	15
886750	79	0.4	< 0.5	164	654	1	30	< 2	106	2.25	4	< 10	41	< 0.5	< 2	2.98	7	36	12.8	< 10	2	1.04	10
886751	37	0.3	< 0.5	110	786	3	51	< 2	108	4.05	< 2	< 10	91	< 0.5	3	4.02	24	83	8.10	< 10	3	2.36	16
886752	259	0.3	< 0.5	125	439	3	27	< 2	72	2.09	11	< 10	28	< 0.5	< 2	1.38	2	43	16.9	< 10	< 1	0.95	< 10
886753	30	< 0.2	< 0.5	70	639	< 1	52	< 2	77	4.08	2	< 10	111	< 0.5	3	3.01	26	73	6.01	< 10	2	2.51	15
886754	90	0.4	< 0.5	266	690	8	36	< 2	75	2.65	5	< 10	36	< 0.5	3	3.39	14	50	11.7	< 10	< 1	1.28	11
886755	78	0.2	< 0.5	89	588	2	46	< 2	68	2.55	5	< 10	63	< 0.5	3	3.20	14	96	11.8	< 10	2	1.34	11
886756	25	< 0.2	< 0.5	66	638	< 1	64	< 2	79	2.94	< 2	< 10	168	< 0.5	< 2	2.89	17	148	6.17	< 10	< 1	2.04	15
886757	49	< 0.2	< 0.5	52	582	2	51	< 2	65	2.96	< 2	< 10	140	< 0.5	< 2	2.82	12	104	5.10	< 10	< 1	1.84	12
886758	31	< 0.2	< 0.5	73	601	1	67	< 2	69	3.46	< 2	< 10	72	< 0.5	< 2	2.67	16	113	4.74	10	< 1	2.03	14
886759	21	< 0.2	< 0.5	54	644	2	72	< 2	64	3.04	< 2	< 10	150	< 0.5	< 2	3.05	19	144	4.13	< 10	2	1.76	16
886760	9	< 0.2	0.5	68	679	3	71	< 2	68	2.92	< 2	< 10	65	< 0.5	< 2	2.68	19	141	4.21	< 10	3	1.73	16
886761	6	< 0.2	< 0.5	53	758	2	71	< 2	62	2.85	2	< 10	63	< 0.5	< 2	3.59	19	131	4.38	< 10	2	1.64	16
886762	< 5	< 0.2	< 0.5	40	572	< 1	10	4	84	2.04	< 2	< 10	40	< 0.5	< 2	2.21	18	7	3.90	< 10	< 1	1.57	66
886763	< 5	0.2	< 0.5	89	778	< 1	9	4	58	1.83	4	< 10	36	< 0.5	< 2	3.26	17	7	3.89	< 10	< 1	1.39	72
886764	883	0.3	< 0.5	124	662	< 1	87	2	62	3.03	4	24	26	< 0.5	< 2	2.57	30	81	5.45	< 10	2	0.06	< 10

Results

Activation Laboratories Ltd.

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Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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
886765	< 5	< 0.2	< 0.5	< 1	6	< 1	9	< 2	2	0.04	< 2	< 10	10	< 0.5	< 2	< 0.01	< 1	13	0.04	< 10	< 1	< 0.01	< 10
886766	< 5	< 0.2	< 0.5	49	646	1	64	< 2	71	2.63	< 2	< 10	70	< 0.5	< 2	3.02	20	100	3.76	< 10	< 1	1.72	23
886767	< 5	< 0.2	< 0.5	42	657	< 1	77	< 2	63	2.53	< 2	< 10	73	< 0.5	< 2	2.96	18	140	3.67	< 10	< 1	1.53	13
886768	< 5	< 0.2	< 0.5	56	534	23	38	< 2	16	0.77	3	36	49	< 0.5	3	3.66	14	40	1.70	< 10	< 1	0.19	13
886769	< 5	< 0.2	< 0.5	48	652	32	27	< 2	17	0.42	< 2	96	14	< 0.5	< 2	5.45	10	20	1.26	< 10	< 1	0.04	22
886770	< 5	0.2	< 0.5	72	746	19	64	< 2	29	1.43	< 2	22	133	< 0.5	< 2	3.75	18	71	2.48	< 10	< 1	0.89	15
886771	< 5	< 0.2	< 0.5	37	614	4	71	< 2	57	2.56	< 2	10	246	< 0.5	< 2	2.80	20	128	3.45	< 10	< 1	1.72	15
886772	< 5	< 0.2	0.5	24	614	2	66	< 2	68	2.70	< 2	< 10	254	< 0.5	< 2	2.93	19	109	3.72	< 10	< 1	1.74	16
886773	< 5	< 0.2	< 0.5	35	769	2	76	< 2	57	3.12	< 2	< 10	258	< 0.5	< 2	3.73	21	228	4.18	< 10	< 1	1.63	13
886774	< 5	< 0.2	< 0.5	32	419	2	60	< 2	67	2.65	< 2	< 10	225	< 0.5	< 2	2.81	20	95	3.68	< 10	< 1	1.91	< 10
886775	< 5	0.2	< 0.5	32	496	3	59	< 2	52	2.53	< 2	12	121	< 0.5	< 2	3.05	18	90	3.61	< 10	< 1	1.74	11
886776	< 5	< 0.2	< 0.5	19	484	3	59	< 2	64	2.64	2	< 10	232	< 0.5	< 2	3.19	19	93	3.70	10	< 1	1.66	12
886777	< 5	0.3	< 0.5	38	487	5	61	< 2	52	2.41	3	11	140	< 0.5	< 2	3.05	17	94	3.55	< 10	< 1	1.32	12
886778	5	< 0.2	< 0.5	33	576	1	70	< 2	68	2.95	< 2	< 10	287	< 0.5	< 2	3.01	19	139	4.00	10	< 1	1.97	16
886779	47	< 0.2	< 0.5	35	616	2	39	< 2	51	2.51	3	< 10	167	< 0.5	< 2	2.81	9	73	5.47	< 10	2	1.26	14
886780	15	< 0.2	< 0.5	35	415	1	75	< 2	54	1.83	< 2	< 10	286	< 0.5	< 2	1.63	17	156	3.28	< 10	< 1	1.01	19
886781	44	< 0.2	< 0.5	42	554	2	49	< 2	56	1.99	< 2	< 10	75	< 0.5	< 2	2.87	11	90	5.41	< 10	1	0.52	15
886782	12	0.3	< 0.5	61	610	2	58	< 2	41	1.69	< 2	12	54	< 0.5	< 2	3.75	16	62	4.16	< 10	< 1	0.83	16
886783	895	0.3	< 0.5	129	687	< 1	92	< 2	65	3.16	8	24	29	< 0.5	< 2	2.66	28	85	5.68	< 10	2	0.07	< 10
886784	< 5	< 0.2	< 0.5	< 1	7	< 1	9	< 2	< 2	0.04	< 2	< 10	11	< 0.5	< 2	< 0.01	< 1	13	0.04	< 10	< 1	< 0.01	< 10
886785	< 5	0.3	< 0.5	58	654	2	70	< 2	66	3.28	< 2	< 10	137	< 0.5	< 2	3.53	16	118	4.84	< 10	1	1.70	22
886786	7	< 0.2	< 0.5	47	617	2	62	< 2	66	3.33	7	< 10	205	< 0.5	< 2	3.23	18	101	4.34	< 10	2	1.72	24
886787	< 5	0.2	< 0.5	41	608	2	53	< 2	50	2.43	< 2	13	194	< 0.5	< 2	3.60	15	102	3.00	< 10	< 1	1.40	15
886788	< 5	0.3	< 0.5	40	574	1	55	< 2	53	1.56	< 2	15	153	< 0.5	< 2	3.37	15	66	2.51	< 10	< 1	0.87	18
886789	< 5	< 0.2	< 0.5	49	576	1	46	< 2	58	1.87	2	20	252	< 0.5	< 2	2.76	14	89	2.74	< 10	< 1	1.14	18
886790	5	0.3	< 0.5	49	739	4	62	< 2	39	1.26	< 2	27	55	< 0.5	< 2	3.92	18	52	3.19	< 10	< 1	0.58	15
886791	< 5	0.5	< 0.5	39	497	3	55	2	34	1.23	< 2	26	103	< 0.5	< 2	3.16	17	93	2.42	< 10	< 1	0.61	17
886792	< 5	0.4	< 0.5	34	448	6	46	< 2	38	1.22	< 2	29	157	< 0.5	< 2	2.58	15	86	2.00	< 10	< 1	0.60	13
886793	9	< 0.2	< 0.5	45	802	5	79	< 2	79	3.30	3	< 10	102	< 0.5	< 2	3.32	17	139	4.87	< 10	2	2.14	19
886794	8	< 0.2	< 0.5	37	795	14	59	< 2	61	2.58	< 2	< 10	92	< 0.5	< 2	3.44	16	128	3.42	< 10	< 1	1.80	11
886795	< 5	< 0.2	< 0.5	43	540	10	56	< 2	69	2.48	< 2	< 10	141	< 0.5	< 2	2.87	16	81	3.40	< 10	< 1	1.54	11
886796	6	< 0.2	< 0.5	26	555	3	44	< 2	53	1.97	< 2	< 10	204	< 0.5	< 2	1.81	13	103	2.69	< 10	< 1	1.21	14
886797	17	0.2	< 0.5	62	826	< 1	48	< 2	86	2.36	3	< 10	47	< 0.5	2	1.85	23	85	4.63	< 10	< 1	1.31	16
886798	10	0.4	< 0.5	26	383	1	40	3	59	1.45	< 2	< 10	13	< 0.5	< 2	1.37	20	58	3.75	< 10	< 1	0.93	16
886799	< 5	< 0.2	< 0.5	24	526	2	39	< 2	42	1.58	3	41	23	< 0.5	< 2	1.33	16	65	3.18	< 10	< 1	0.60	16
886800	40	< 0.2	< 0.5	41	538	< 1	39	< 2	50	1.62	< 2	< 10	36	< 0.5	< 2	1.67	18	54	3.31	< 10	< 1	0.88	24
886801	< 5	< 0.2	< 0.5	39	526	< 1	29	< 2	45	1.62	< 2	< 10	127	< 0.5	< 2	1.74	14	37	2.78	< 10	< 1	0.99	18
886802	< 5	< 0.2	< 0.5	33	449	< 1	27	< 2	42	1.92	< 2	11	163	< 0.5	< 2	2.01	14	39	2.72	< 10	< 1	0.93	17
886803	< 5	0.4	< 0.5	30	473	1	24	< 2	29	1.30	< 2	< 10	103	< 0.5	< 2	1.82	12	45	2.32	< 10	< 1	0.87	15
886804	867	0.3	< 0.5	131	685	< 1	90	< 2	65	3.17	8	25	29	< 0.5	< 2	2.68	28	84	5.65	< 10	2	0.07	< 10
886805	< 5	< 0.2	< 0.5	< 1	6	< 1	9	< 2	< 2	0.04	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	13	0.04	< 10	< 1	< 0.01	< 10
886806	8	0.6	< 0.5	70	604	1	29	< 2	25	1.42	< 2	10	48	< 0.5	12	2.22	16	36	2.74	< 10	< 1	0.81	21

Results

Activation Laboratories Ltd.

Report: A19-03591

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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
886807	< 5	< 0.2	< 0.5	35	467	1	26	< 2	45	1.46	< 2	< 10	127	< 0.5	< 2	1.68	11	48	2.43	< 10	< 1	0.97	17
886808	< 5	< 0.2	< 0.5	28	610	< 1	35	< 2	65	1.95	< 2	< 10	257	< 0.5	< 2	1.33	16	67	3.12	< 10	< 1	0.94	18
886809	< 5	< 0.2	< 0.5	33	682	< 1	34	< 2	57	1.75	< 2	< 10	157	< 0.5	< 2	2.02	15	61	3.04	< 10	< 1	0.85	18
886810	< 5	< 0.2	< 0.5	34	564	< 1	51	< 2	53	1.77	< 2	< 10	154	< 0.5	< 2	1.87	14	93	2.77	< 10	< 1	0.43	21
886811	< 5	< 0.2	< 0.5	37	506	< 1	69	< 2	65	2.66	< 2	< 10	355	< 0.5	< 2	1.69	19	141	3.50	< 10	< 1	1.13	18
886812	< 5	< 0.2	< 0.5	41	761	< 1	87	< 2	69	3.59	< 2	< 10	447	< 0.5	2	3.30	21	194	4.51	10	1	1.26	15
886813	< 5	< 0.2	< 0.5	26	816	1	73	< 2	59	2.39	< 2	< 10	289	< 0.5	< 2	5.25	18	178	3.82	< 10	< 1	0.67	< 10
886814	< 5	< 0.2	< 0.5	62	818	1	53	4	45	2.23	5	13	263	< 0.5	< 2	5.99	17	93	3.29	< 10	< 1	0.99	13
886815	< 5	< 0.2	< 0.5	25	651	< 1	71	< 2	70	2.85	< 2	< 10	622	< 0.5	< 2	2.37	20	137	3.75	< 10	< 1	1.80	16
886816	9	< 0.2	< 0.5	38	643	< 1	79	< 2	67	4.06	< 2	< 10	664	< 0.5	< 2	2.97	21	143	3.81	10	2	1.67	16
886817	7	< 0.2	< 0.5	43	582	< 1	74	< 2	63	2.79	2	< 10	422	< 0.5	< 2	3.50	19	125	3.50	< 10	< 1	1.35	12
886818	9	< 0.2	< 0.5	40	527	< 1	79	< 2	64	3.34	< 2	< 10	411	< 0.5	< 2	2.08	21	150	3.78	10	< 1	1.20	17
886819	< 5	< 0.2	< 0.5	16	622	< 1	76	< 2	73	2.80	6	< 10	154	< 0.5	< 2	1.93	21	155	4.02	< 10	< 1	0.57	20
886820	< 5	< 0.2	< 0.5	32	438	2	52	< 2	51	1.88	2	< 10	125	< 0.5	< 2	1.58	15	123	2.65	< 10	< 1	0.46	17
886821	10	< 0.2	< 0.5	67	806	2	72	< 2	65	2.90	4	< 10	86	< 0.5	< 2	2.97	25	127	4.71	< 10	2	0.33	12
886822	7	0.2	< 0.5	98	754	1	79	< 2	66	2.39	6	< 10	38	< 0.5	< 2	2.75	32	137	4.74	< 10	< 1	0.47	< 10
886823	< 5	< 0.2	< 0.5	60	900	< 1	89	< 2	69	3.23	3	< 10	123	< 0.5	< 2	4.24	26	307	5.25	10	1	0.73	18
886824	8	0.3	< 0.5	79	743	2	70	< 2	64	2.60	8	< 10	30	< 0.5	< 2	2.25	27	119	5.28	< 10	1	0.52	12
886825	988	0.9	< 0.5	6	155	< 1	113	93	37	0.20	3	< 10	< 10	< 0.5	< 2	0.17	7	26	3.08	< 10	< 1	0.04	< 10
886826	< 5	< 0.2	< 0.5	1	9	< 1	5	< 2	< 2	0.04	< 2	< 10	12	< 0.5	< 2	0.01	< 1	7	0.04	< 10	< 1	0.01	< 10
886827	< 5	< 0.2	< 0.5	22	458	< 1	36	< 2	57	1.80	3	< 10	223	< 0.5	< 2	1.56	12	122	2.69	< 10	< 1	0.67	17
886828	< 5	< 0.2	< 0.5	15	436	< 1	33	< 2	50	1.61	3	< 10	230	< 0.5	< 2	1.25	12	117	2.62	< 10	< 1	0.73	15
886829	< 5	< 0.2	< 0.5	18	625	< 1	34	< 2	48	1.65	3	< 10	227	< 0.5	< 2	2.18	12	119	2.57	< 10	< 1	0.63	15
886830	< 5	< 0.2	< 0.5	82	1060	< 1	59	< 2	65	2.05	3	< 10	105	< 0.5	4	2.71	26	135	4.44	< 10	< 1	0.40	10
886831	< 5	< 0.2	< 0.5	55	1060	< 1	43	< 2	56	1.78	< 2	< 10	101	< 0.5	< 2	3.24	19	137	3.54	< 10	< 1	0.30	12
886832	< 5	0.2	< 0.5	232	1820	< 1	93	< 2	76	2.84	< 2	< 10	15	< 0.5	< 2	4.11	49	164	7.15	< 10	< 1	0.06	< 10
886833	< 5	0.2	< 0.5	233	1770	< 1	92	< 2	76	2.85	< 2	< 10	12	< 0.5	2	4.13	45	149	6.74	< 10	2	0.05	< 10
886834	10	< 0.2	< 0.5	43	637	< 1	84	< 2	74	3.27	< 2	< 10	225	< 0.5	< 2	2.99	24	261	4.42	10	1	2.46	28
886835	10	< 0.2	< 0.5	31	319	< 1	17	2	49	1.48	2	< 10	86	< 0.5	< 2	1.56	9	105	2.21	< 10	< 1	0.87	22
886836	11	< 0.2	< 0.5	38	280	< 1	10	< 2	41	1.16	< 2	< 10	76	< 0.5	< 2	1.92	7	49	1.78	< 10	< 1	0.63	17
886837	7	< 0.2	< 0.5	16	240	< 1	6	< 2	46	1.27	< 2	< 10	76	< 0.5	< 2	1.76	5	61	1.59	< 10	< 1	0.70	16
886838	8	< 0.2	< 0.5	10	370	29	22	< 2	31	1.58	< 2	< 10	55	< 0.5	< 2	2.62	9	72	2.18	< 10	< 1	0.78	33
886839	< 5	< 0.2	< 0.5	30	796	2	68	8	82	3.23	37	< 10	68	< 0.5	< 2	0.79	20	63	6.40	< 10	1	0.62	25
886840	< 5	< 0.2	< 0.5	47	1570	< 1	39	7	67	2.67	12	< 10	36	< 0.5	2	1.48	14	70	8.34	< 10	2	0.32	15
886841	< 5	< 0.2	< 0.5	40	797	< 1	46	< 2	82	3.46	12	< 10	46	< 0.5	< 2	0.51	20	58	9.18	< 10	1	0.43	20
886842	5	< 0.2	< 0.5	27	1200	< 1	45	11	74	3.11	24	< 10	46	< 0.5	2	0.74	19	43	8.31	< 10	3	0.43	21
886843	< 5	< 0.2	< 0.5	28	1290	< 1	44	5	80	3.18	25	< 10	50	< 0.5	2	1.03	16	37	8.35	< 10	1	0.48	22
886844	< 5	< 0.2	< 0.5	34	959	< 1	44	< 2	81	3.11	21	< 10	50	< 0.5	< 2	0.56	17	33	7.90	< 10	< 1	0.48	21
886845	< 5	< 0.2	< 0.5	26	943	< 1	34	6	62	2.30	58	< 10	55	< 0.5	< 2	1.25	13	42	6.00	< 10	< 1	0.45	22
886846	< 5	< 0.2	< 0.5	38	897	< 1	235	5	73	2.67	67	< 10	80	< 0.5	3	4.20	25	219	4.94	< 10	1	0.07	32
886847	11	< 0.2	< 0.5	12	2800	< 1	10	< 2	23	1.49	24	< 10	21	< 0.5	< 2	1.51	< 1	52	9.34	< 10	< 1	0.02	< 10
886848	< 5	< 0.2	< 0.5	10	2440	< 1	12	5	15	0.78	32	< 10	10	< 0.5	< 2	1.61	< 1	54	8.87	< 10	2	0.03	< 10

Results

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Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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
886849	19	< 0.2	< 0.5	13	3040	< 1	11	< 2	25	0.66	32	< 10	< 10	< 0.5	< 2	1.55	26	31	12.1	< 10	1	0.10	< 10
886850	13	0.2	< 0.5	13	2220	< 1	13	< 2	34	1.33	254	< 10	17	< 0.5	5	2.05	3	40	10.8	< 10	1	0.17	< 10
886851	< 5	< 0.2	0.6	25	583	< 1	17	3	150	1.73	41	< 10	60	< 0.5	< 2	1.42	10	28	3.86	< 10	< 1	0.33	11
886852	< 5	< 0.2	< 0.5	60	783	< 1	14	< 2	75	2.27	13	< 10	82	< 0.5	< 2	3.16	12	18	4.43	< 10	< 1	0.32	17
886853	< 5	< 0.2	< 0.5	25	448	1	16	10	66	1.66	< 2	< 10	18	< 0.5	3	2.40	10	21	2.81	< 10	< 1	0.48	13
886854	< 5	0.2	< 0.5	27	711	1	26	6	89	1.42	60	< 10	12	< 0.5	< 2	2.61	11	19	5.55	< 10	1	0.29	< 10
886855	< 5	< 0.2	< 0.5	21	943	< 1	15	5	69	1.71	11	< 10	12	0.7	< 2	2.83	8	19	4.38	< 10	< 1	0.32	< 10
886856	< 5	< 0.2	0.5	27	621	1	24	4	62	1.43	29	< 10	13	0.6	< 2	2.32	16	15	3.45	< 10	< 1	0.28	< 10
886857	< 5	< 0.2	< 0.5	19	1300	< 1	10	6	23	1.50	16	< 10	27	< 0.5	< 2	5.99	6	10	4.01	< 10	< 1	0.33	< 10
886858	5	< 0.2	0.6	31	657	< 1	19	4	85	1.84	7	< 10	18	0.6	< 2	3.01	8	11	3.05	< 10	< 1	0.44	< 10
886859	15	0.3	< 0.5	36	772	< 1	22	8	105	1.19	106	< 10	< 10	0.5	< 2	2.31	9	32	8.21	< 10	1	0.28	< 10
886860	1770	0.5	< 0.5	163	750	1	86	3	64	3.90	17	18	24	< 0.5	< 2	3.33	27	115	5.67	< 10	< 1	0.09	< 10
886861	< 5	< 0.2	< 0.5	< 1	6	< 1	9	< 2	< 2	0.03	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	12	0.04	< 10	< 1	< 0.01	< 10
886862	16	0.3	< 0.5	32	1960	1	16	7	72	1.41	163	< 10	12	0.7	< 2	2.65	5	22	9.38	< 10	2	0.33	< 10
886863	12	< 0.2	< 0.5	21	962	1	25	9	97	1.09	55	< 10	11	0.5	< 2	1.69	10	19	5.04	< 10	< 1	0.35	< 10
886864	< 5	< 0.2	< 0.5	24	732	< 1	11	3	73	1.96	68	< 10	42	< 0.5	< 2	3.54	10	9	2.67	< 10	< 1	0.49	16
886865	< 5	< 0.2	< 0.5	25	542	< 1	8	3	103	2.13	56	< 10	18	< 0.5	< 2	2.03	6	7	3.59	< 10	< 1	0.47	19
886866	21	< 0.2	< 0.5	25	2560	2	23	7	79	1.12	407	< 10	26	0.6	< 2	5.27	10	25	4.48	< 10	< 1	0.32	< 10
886867	50	0.2	0.6	73	632	3	43	13	278	1.05	496	< 10	15	0.6	< 2	1.82	25	31	3.81	< 10	< 1	0.33	13
886868	< 5	< 0.2	0.7	65	514	2	26	11	158	1.44	14	< 10	15	0.7	< 2	2.81	15	11	3.68	< 10	< 1	0.46	14
886869	< 5	< 0.2	< 0.5	41	721	2	27	13	151	1.48	84	< 10	14	0.9	< 2	2.47	12	11	4.72	< 10	< 1	0.41	12
886870	< 5	< 0.2	< 0.5	6	2690	< 1	5	8	14	0.56	36	< 10	15	< 0.5	< 2	1.95	2	49	6.08	< 10	1	0.03	< 10
886871	< 5	0.2	< 0.5	7	3940	< 1	8	< 2	44	1.48	12	< 10	12	0.8	4	1.58	< 1	39	10.7	< 10	2	0.10	< 10
886872	11	1.2	< 0.5	58	2910	< 1	31	< 2	14	0.29	109	< 10	< 10	< 0.5	4	0.75	9	7	> 30.0	< 10	< 1	< 0.01	< 10
886873	< 5	< 0.2	< 0.5	9	4320	< 1	8	< 2	38	1.63	35	< 10	< 10	< 0.5	3	2.88	< 1	16	14.7	< 10	3	< 0.01	< 10
886874	7	0.4	< 0.5	34	2770	< 1	21	5	48	0.83	224	< 10	< 10	0.5	3	1.80	< 1	14	18.9	< 10	< 1	0.16	< 10
886875	7	< 0.2	< 0.5	25	3530	< 1	20	14	53	0.81	64	< 10	< 10	< 0.5	5	2.20	3	25	12.9	< 10	< 1	0.14	< 10
886876	< 5	< 0.2	< 0.5	23	1380	< 1	20	6	108	1.18	67	< 10	14	< 0.5	< 2	3.05	12	12	4.39	< 10	< 1	0.43	< 10
886877	7	< 0.2	0.6	32	754	2	29	10	147	1.02	6	< 10	< 10	< 0.5	< 2	1.79	14	15	3.99	< 10	< 1	0.38	< 10
886878	9	< 0.2	< 0.5	47	737	2	35	12	153	1.21	4	< 10	11	< 0.5	< 2	1.50	14	24	5.02	< 10	< 1	0.43	< 10
886879	< 5	< 0.2	< 0.5	23	963	1	15	8	72	1.07	4	< 10	18	< 0.5	3	1.88	8	41	2.90	< 10	< 1	0.38	12
886880	865	0.3	< 0.5	128	662	< 1	86	< 2	62	3.07	7	24	27	< 0.5	2	2.57	27	81	5.55	< 10	3	0.07	< 10
886881	< 5	< 0.2	< 0.5	< 1	6	< 1	9	< 2	< 2	0.04	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	13	0.04	< 10	< 1	< 0.01	< 10
886882	7	< 0.2	< 0.5	44	820	3	36	9	33	1.05	54	< 10	14	< 0.5	< 2	1.81	10	35	4.80	< 10	< 1	0.40	12
886883	7	< 0.2	0.6	56	553	2	23	11	181	1.66	5	< 10	20	< 0.5	< 2	2.54	10	21	3.42	< 10	< 1	0.63	22
886884	12	0.2	1.0	89	372	2	40	15	344	1.09	124	< 10	11	< 0.5	< 2	1.45	21	42	3.33	< 10	< 1	0.47	14
886885	14	0.2	1.0	111	388	2	38	18	319	1.03	248	< 10	12	< 0.5	< 2	2.11	20	26	3.53	< 10	< 1	0.40	12
886886	< 5	< 0.2	< 0.5	29	506	< 1	6	6	100	1.64	46	< 10	73	< 0.5	< 2	1.90	3	16	2.56	< 10	< 1	0.39	47
886887	6	< 0.2	< 0.5	38	670	2	14	6	84	1.59	107	< 10	20	0.5	< 2	2.60	9	10	3.13	< 10	< 1	0.51	16
886888	5	< 0.2	< 0.5	14	1940	< 1	11	7	47	0.87	66	< 10	17	< 0.5	< 2	3.22	2	34	6.52	< 10	2	0.23	< 10
886889	35	0.4	0.8	46	3300	< 1	21	< 2	33	1.54	789	< 10	< 10	< 0.5	< 2	1.78	< 1	8	24.1	< 10	< 1	< 0.01	< 10
886890	12	0.4	< 0.5	37	3300	< 1	15	11	31	0.77	34	< 10	< 10	< 0.5	9	2.60	9	12	17.0	< 10	< 1	0.18	< 10

Results

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Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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
886891	10	< 0.2	< 0.5	27	1660	1	22	6	75	2.21	364	< 10	16	0.7	< 2	2.18	8	29	5.26	< 10	2	0.83	< 10
886892	< 5	< 0.2	< 0.5	25	864	< 1	11	2	64	1.39	264	< 10	77	< 0.5	< 2	2.45	7	39	3.09	< 10	< 1	0.30	15
886893	< 5	< 0.2	< 0.5	30	2120	1	17	5	66	1.25	119	< 10	13	< 0.5	< 2	1.93	6	20	6.31	< 10	2	0.50	11
886894	< 5	< 0.2	< 0.5	12	909	< 1	10	< 2	37	1.57	28	< 10	47	0.6	4	1.59	< 1	23	11.6	< 10	2	0.27	< 10
886895	< 5	< 0.2	< 0.5	17	2160	< 1	14	< 2	33	1.58	41	< 10	22	0.8	2	2.51	< 1	32	14.5	< 10	< 1	0.40	< 10
886896	< 5	0.3	< 0.5	29	2910	1	29	3	65	1.51	65	< 10	14	0.7	< 2	1.98	4	16	10.6	< 10	2	0.60	< 10
886897	< 5	< 0.2	< 0.5	5	1210	< 1	8	< 2	16	0.76	61	< 10	41	0.9	2	1.81	< 1	37	13.0	< 10	3	0.21	< 10
886898	< 5	< 0.2	< 0.5	1	821	< 1	4	< 2	7	0.30	118	< 10	11	0.7	5	2.32	< 1	34	16.7	< 10	< 1	0.02	< 10
886899	< 5	< 0.2	< 0.5	6	825	< 1	5	< 2	6	0.43	36	< 10	19	0.6	< 2	1.61	< 1	42	11.8	< 10	1	0.07	< 10
886900	1820	0.6	< 0.5	170	778	1	90	< 2	66	4.01	16	18	25	< 0.5	< 2	3.44	28	118	5.91	10	< 1	0.09	< 10
886901	< 5	< 0.2	< 0.5	< 1	6	< 1	9	< 2	< 2	0.03	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	12	0.04	< 10	< 1	< 0.01	< 10
886902	< 5	< 0.2	< 0.5	19	1140	< 1	11	3	22	0.66	22	< 10	25	0.9	3	1.49	< 1	37	9.73	< 10	< 1	0.14	< 10
886903	< 5	< 0.2	< 0.5	9	1480	< 1	12	2	17	1.03	25	< 10	21	0.8	< 2	1.59	2	51	8.15	< 10	< 1	0.09	< 10
886904	< 5	0.5	< 0.5	11	1620	< 1	11	4	18	0.87	22	< 10	12	0.6	< 2	1.45	< 1	51	7.09	< 10	1	0.12	< 10
886905	< 5	< 0.2	< 0.5	40	217	2	15	10	161	1.30	4	< 10	14	< 0.5	3	0.91	15	19	2.39	< 10	< 1	0.64	24
886906	< 5	0.4	0.6	62	233	2	20	11	288	1.28	53	< 10	11	< 0.5	< 2	1.02	19	15	3.75	< 10	< 1	0.58	27
886907	< 5	< 0.2	< 0.5	32	378	< 1	12	7	131	1.80	18	< 10	15	< 0.5	< 2	1.94	11	14	2.97	< 10	< 1	0.67	19
886908	10	< 0.2	< 0.5	16	508	< 1	8	3	74	1.53	120	< 10	64	< 0.5	3	2.61	9	23	2.44	< 10	< 1	0.38	16
886909	137	< 0.2	< 0.5	23	857	1	8	5	94	2.01	136	< 10	24	< 0.5	< 2	3.37	9	13	3.09	< 10	< 1	0.62	20
886910	18	0.4	< 0.5	18	1490	1	7	4	64	0.82	76	< 10	26	< 0.5	< 2	5.23	10	14	4.33	< 10	< 1	0.28	14
886911	14	0.3	< 0.5	33	1140	< 1	10	5	78	1.01	29	< 10	11	< 0.5	< 2	3.20	8	17	6.37	< 10	2	0.47	16
886912	28	0.4	< 0.5	48	917	< 1	12	5	77	0.75	3	< 10	12	< 0.5	< 2	1.93	10	30	7.12	< 10	1	0.36	16
886913	160	0.5	1.2	66	721	3	19	13	460	1.04	550	< 10	15	< 0.5	< 2	2.30	15	20	5.13	< 10	< 1	0.51	17
886914	36	0.2	0.6	42	668	< 1	8	8	195	1.35	60	< 10	16	< 0.5	< 2	1.62	8	7	4.09	< 10	< 1	0.68	35
886915	164	0.7	3.8	129	556	2	33	18	1660	1.24	5	< 10	11	< 0.5	< 2	1.58	21	19	6.56	< 10	2	0.63	18
886916	94	1.3	1.4	160	399	2	31	34	495	0.91	637	< 10	12	< 0.5	< 2	0.95	23	11	9.35	< 10	2	0.47	15
886917	19	0.2	< 0.5	48	793	1	13	9	145	1.42	823	< 10	18	< 0.5	< 2	2.45	12	24	4.01	< 10	2	0.71	23
886918	26	0.4	< 0.5	73	1130	1	24	14	223	1.48	182	< 10	18	< 0.5	< 2	2.83	18	17	5.34	< 10	< 1	0.77	23
886919	43	0.5	0.6	121	762	1	18	15	342	1.19	144	< 10	11	< 0.5	< 2	1.44	10	16	6.95	< 10	3	0.63	22
886920	1960	0.5	< 0.5	166	761	1	88	4	64	3.99	12	18	26	< 0.5	< 2	3.41	28	115	5.83	< 10	1	0.09	< 10
886921	< 5	< 0.2	< 0.5	< 1	6	< 1	9	< 2	< 2	0.04	< 2	< 10	11	< 0.5	< 2	< 0.01	< 1	13	0.04	< 10	< 1	< 0.01	< 10
886922	150	< 0.2	< 0.5	26	570	3	12	< 2	91	0.63	5590	< 10	21	< 0.5	< 2	2.08	11	32	2.88	< 10	< 1	0.31	16
886923	156	< 0.2	< 0.5	59	1390	< 1	40	< 2	83	2.71	2180	< 10	46	< 0.5	< 2	5.97	30	36	8.36	< 10	< 1	0.35	< 10
886924	329	< 0.2	< 0.5	50	1490	< 1	40	< 2	97	2.67	328	< 10	39	< 0.5	< 2	6.22	27	32	7.81	< 10	< 1	0.22	< 10
886925	31	< 0.2	< 0.5	69	1530	< 1	42	< 2	104	2.79	359	< 10	24	< 0.5	< 2	6.32	29	30	8.52	< 10	1	0.11	< 10
886926	244	< 0.2	< 0.5	7	568	2	3	2	56	0.57	115	< 10	47	< 0.5	3	1.85	3	7	1.98	< 10	< 1	0.18	27
886927	45	< 0.2	< 0.5	4	1270	< 1	< 1	4	46	0.51	77	< 10	58	< 0.5	3	6.03	< 1	4	1.49	< 10	< 1	0.22	28
886928	302	< 0.2	< 0.5	5	736	3	1	5	59	0.46	290	< 10	76	< 0.5	< 2	2.86	< 1	5	1.31	< 10	< 1	0.23	28
886929	74	< 0.2	< 0.5	10	316	5	5	7	66	0.45	85	< 10	74	< 0.5	< 2	1.44	3	8	1.44	< 10	< 1	0.17	32
886930	227	< 0.2	< 0.5	19	421	1	7	9	80	0.93	176	< 10	30	< 0.5	< 2	1.90	8	5	2.29	< 10	< 1	0.23	24
886931	42	0.6	1.1	78	440	2	32	20	613	0.71	40	< 10	11	< 0.5	< 2	1.50	23	6	6.02	< 10	3	0.27	18
886932	< 5	< 0.2	< 0.5	22	1150	1	6	8	91	1.58	20	< 10	32	< 0.5	< 2	2.61	9	4	3.92	< 10	< 1	0.19	24

Results

Activation Laboratories Ltd.

Report: A19-03591

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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
886933	14	0.4	< 0.5	32	1190	1	10	5	95	0.63	42	< 10	< 10	< 0.5	< 2	3.01	9	5	6.55	< 10	2	0.20	17
886934	33	< 0.2	0.7	52	608	1	19	10	270	1.37	131	< 10	12	< 0.5	< 2	1.77	17	6	4.58	< 10	< 1	0.25	20
886935	36	0.4	< 0.5	73	452	1	16	11	146	1.03	385	< 10	11	< 0.5	< 2	1.14	12	4	6.96	< 10	1	0.21	21
886936	5	< 0.2	< 0.5	18	446	1	3	5	68	1.33	7	< 10	55	< 0.5	3	1.04	4	4	2.47	< 10	< 1	0.19	27

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
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
886723	2.85	0.084	0.082	0.52	< 2	11	289	0.25	20	< 1	< 2	< 10	95	< 10	7	21
886724	2.51	0.211	0.063	0.06	2	9	232	0.25	< 20	4	< 2	< 10	85	< 10	6	14
886725	2.86	0.113	0.083	0.24	3	11	195	0.26	< 20	1	< 2	< 10	98	< 10	8	18
886726	2.01	0.043	0.076	2.12	2	7	76	0.13	30	1	< 2	< 10	51	< 10	6	15
886727	3.29	0.118	0.083	0.07	2	12	159	0.26	20	3	< 2	< 10	102	< 10	8	23
886728	0.84	0.141	0.061	0.25	< 2	3	69	0.14	< 20	< 1	< 2	< 10	44	< 10	3	9
886729	1.74	0.123	0.060	0.25	< 2	4	162	0.19	< 20	2	< 2	< 10	54	< 10	6	9
886730	2.07	0.146	0.063	0.33	2	5	163	0.21	< 20	< 1	< 2	< 10	64	< 10	5	8
886731	1.87	0.082	0.067	0.25	< 2	4	131	0.19	< 20	2	< 2	< 10	47	< 10	6	8
886732	0.58	0.097	0.059	0.31	< 2	1	63	0.14	< 20	< 1	< 2	< 10	22	< 10	3	9
886733	0.50	0.111	0.060	0.17	< 2	1	74	0.15	< 20	1	< 2	< 10	19	< 10	3	7
886734	0.45	0.108	0.057	0.20	< 2	1	68	0.14	< 20	3	< 2	< 10	19	< 10	3	5
886735	0.49	0.075	0.057	0.12	< 2	< 1	65	0.14	< 20	3	< 2	< 10	18	< 10	3	11
886736	0.75	0.107	0.060	0.08	< 2	2	75	0.18	< 20	< 1	< 2	< 10	30	< 10	3	7
886737	1.61	0.063	0.047	0.17	< 2	3	102	0.17	< 20	4	< 2	< 10	48	< 10	4	9
886738	2.05	0.069	0.063	0.08	< 2	5	86	0.23	< 20	1	< 2	< 10	68	< 10	5	10
886739	0.90	0.056	0.034	0.40	< 2	2	63	0.11	< 20	5	< 2	< 10	25	< 10	3	14
886740	1.29	0.090	0.063	1.44	2	5	94	0.26	20	4	< 2	< 10	70	< 10	5	24
886741	0.52	0.119	0.056	0.17	< 2	1	54	0.12	< 20	< 1	< 2	< 10	22	< 10	2	5
886742	0.35	0.136	0.055	0.30	< 2	1	43	0.13	< 20	< 1	< 2	< 10	17	< 10	3	6
886743	2.43	0.146	0.061	0.18	2	8	105	0.32	20	< 1	< 2	< 10	97	< 10	7	26
886744	2.41	0.054	0.034	0.24	3	7	45	0.39	20	< 1	< 2	< 10	170	< 10	11	13
886745	< 0.01	0.014	0.002	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	3
886746	2.08	0.120	0.054	0.35	< 2	6	99	0.24	< 20	< 1	< 2	< 10	75	< 10	6	16
886747	0.78	0.066	0.038	0.23	< 2	2	43	0.11	< 20	2	< 2	< 10	28	< 10	3	20
886748	1.01	0.087	0.263	0.24	< 2	2	127	0.14	30	< 1	< 2	< 10	35	< 10	14	5
886749	1.80	0.096	0.055	0.32	< 2	4	87	0.17	< 20	3	< 2	< 10	62	< 10	6	10
886750	1.90	0.086	0.063	1.32	3	3	71	0.11	50	< 1	< 2	16	77	< 10	7	19
886751	2.58	0.198	0.060	0.44	4	8	151	0.25	30	< 1	< 2	< 10	152	< 10	10	10
886752	1.58	0.065	0.071	1.02	4	2	37	0.10	70	< 1	< 2	19	72	< 10	5	14
886753	2.74	0.117	0.055	0.29	< 2	7	155	0.28	30	< 1	< 2	< 10	133	< 10	9	9
886754	1.74	0.120	0.063	1.35	4	5	112	0.14	40	< 1	< 2	14	93	< 10	8	15
886755	1.97	0.096	0.068	0.67	2	5	91	0.16	40	< 1	< 2	13	90	< 10	6	18
886756	2.47	0.122	0.068	0.30	< 2	8	83	0.24	30	2	< 2	< 10	99	< 10	7	19
886757	1.87	0.165	0.052	0.35	3	5	82	0.18	20	2	3	< 10	68	< 10	6	11
886758	2.17	0.196	0.061	0.47	2	5	94	0.20	20	< 1	< 2	< 10	81	< 10	5	17
886759	2.23	0.144	0.062	0.29	< 2	7	68	0.20	< 20	4	< 2	< 10	90	20	6	14
886760	2.17	0.150	0.064	0.52	2	7	56	0.20	< 20	1	< 2	< 10	92	< 10	6	17
886761	2.21	0.167	0.066	0.58	< 2	8	53	0.21	< 20	< 1	< 2	< 10	92	< 10	6	11
886762	1.51	0.098	0.218	0.99	< 2	4	126	0.23	30	< 1	< 2	< 10	68	< 10	11	8
886763	1.46	0.117	0.238	1.54	< 2	4	165	0.24	30	< 1	< 2	< 10	53	< 10	13	10
886764	2.24	0.145	0.064	0.13	< 2	6	51	0.36	20	2	3	< 10	129	< 10	13	18

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
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
886765	< 0.01	0.015	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	1
886766	2.23	0.061	0.088	0.54	< 2	5	73	0.21	< 20	< 1	< 2	< 10	73	< 10	6	16
886767	2.27	0.079	0.056	0.53	< 2	7	70	0.19	< 20	2	< 2	< 10	82	< 10	5	9
886768	0.80	0.035	0.055	0.60	< 2	2	83	0.03	< 20	1	< 2	< 10	13	< 10	4	2
886769	0.48	0.029	0.058	0.49	< 2	1	111	< 0.01	< 20	< 1	2	< 10	4	< 10	5	1
886770	1.44	0.054	0.054	0.36	< 2	5	87	0.11	< 20	< 1	< 2	< 10	32	< 10	5	13
886771	2.07	0.100	0.055	0.21	< 2	8	45	0.18	< 20	1	< 2	< 10	73	< 10	5	6
886772	2.08	0.099	0.060	0.19	< 2	7	46	0.19	< 20	4	< 2	< 10	74	< 10	5	4
886773	2.48	0.139	0.060	0.15	< 2	7	67	0.21	< 20	< 1	< 2	< 10	87	< 10	5	16
886774	2.20	0.099	0.056	0.22	< 2	10	38	0.19	< 20	< 1	< 2	< 10	74	< 10	4	6
886775	1.96	0.100	0.057	0.37	< 2	8	42	0.18	< 20	2	< 2	< 10	70	< 10	4	5
886776	2.03	0.094	0.059	0.16	< 2	8	44	0.18	< 20	3	< 2	< 10	72	< 10	5	11
886777	1.74	0.100	0.053	0.38	< 2	7	58	0.15	< 20	< 1	< 2	< 10	61	< 10	4	5
886778	2.27	0.124	0.053	0.14	2	11	46	0.21	< 20	2	< 2	< 10	90	< 10	6	7
886779	1.64	0.107	0.060	0.30	< 2	5	49	0.14	20	< 1	< 2	< 10	53	< 10	5	6
886780	1.67	0.104	0.087	0.07	< 2	8	27	0.18	< 20	2	< 2	< 10	87	< 10	5	9
886781	1.37	0.154	0.072	0.42	< 2	6	68	0.12	20	< 1	< 2	< 10	62	< 10	6	4
886782	1.39	0.048	0.072	0.60	< 2	5	74	0.12	< 20	1	< 2	< 10	39	< 10	6	10
886783	2.33	0.155	0.067	0.13	< 2	6	53	0.36	20	5	< 2	< 10	133	< 10	14	18
886784	< 0.01	0.015	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
886785	1.98	0.153	0.087	0.28	< 2	8	99	0.21	20	< 1	< 2	< 10	82	< 10	7	19
886786	1.99	0.153	0.088	0.15	< 2	5	104	0.20	< 20	< 1	< 2	< 10	74	< 10	6	3
886787	1.88	0.103	0.071	0.15	< 2	7	61	0.15	< 20	3	< 2	< 10	59	< 10	5	4
886788	1.49	0.075	0.066	0.30	2	6	51	0.10	< 20	3	< 2	< 10	40	< 10	5	8
886789	1.45	0.150	0.066	0.20	< 2	8	45	0.17	< 20	1	< 2	< 10	56	< 10	6	7
886790	1.32	0.086	0.058	0.63	< 2	4	70	0.12	< 20	4	< 2	< 10	31	< 10	5	13
886791	1.32	0.122	0.067	0.44	< 2	5	60	0.13	< 20	2	< 2	< 10	44	< 10	6	6
886792	1.32	0.108	0.063	0.12	< 2	5	39	0.15	< 20	4	< 2	< 10	42	< 10	6	7
886793	2.54	0.108	0.069	0.59	< 2	7	79	0.19	20	2	< 2	< 10	82	< 10	6	10
886794	2.07	0.086	0.053	0.58	< 2	6	46	0.15	< 20	< 1	< 2	< 10	68	< 10	4	9
886795	1.69	0.101	0.047	0.19	< 2	5	52	0.16	< 20	4	< 2	< 10	57	< 10	5	8
886796	1.52	0.082	0.055	0.03	< 2	6	41	0.17	< 20	1	< 2	< 10	63	< 10	5	5
886797	1.54	0.134	0.055	0.70	< 2	11	39	0.24	20	< 1	< 2	< 10	115	< 10	8	16
886798	1.38	0.139	0.064	2.48	< 2	7	54	0.21	< 20	< 1	< 2	< 10	75	< 10	7	21
886799	1.33	0.252	0.055	0.99	< 2	6	63	0.21	< 20	2	< 2	< 10	57	< 10	7	7
886800	1.43	0.061	0.086	0.86	< 2	6	51	0.22	< 20	5	< 2	< 10	68	< 10	7	11
886801	1.28	0.081	0.066	0.40	< 2	6	37	0.19	< 20	3	< 2	< 10	60	< 10	5	17
886802	1.21	0.182	0.061	0.35	< 2	5	50	0.12	< 20	< 1	< 2	< 10	53	< 10	5	9
886803	1.06	0.055	0.060	0.43	< 2	4	30	0.15	< 20	< 1	< 2	< 10	33	< 10	4	14
886804	2.33	0.157	0.067	0.13	< 2	6	55	0.39	20	2	< 2	< 10	136	< 10	13	19
886805	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	1
886806	1.12	0.072	0.074	0.72	< 2	4	40	0.16	< 20	8	< 2	< 10	33	< 10	6	7

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
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
886807	1.13	0.081	0.058	0.31	< 2	5	53	0.15	< 20	3	< 2	< 10	46	< 10	5	8
886808	1.41	0.205	0.064	0.13	< 2	8	72	0.21	< 20	2	< 2	< 10	82	< 10	7	6
886809	1.39	0.093	0.076	0.27	< 2	7	62	0.16	< 20	< 1	< 2	< 10	76	115	7	6
886810	1.52	0.235	0.081	0.07	< 2	8	72	0.17	< 20	3	< 2	< 10	71	< 10	6	5
886811	2.16	0.159	0.066	0.02	< 2	9	76	0.21	< 20	2	< 2	< 10	84	< 10	7	9
886812	2.63	0.213	0.068	0.02	2	10	91	0.24	< 20	3	< 2	< 10	96	< 10	7	11
886813	2.10	0.047	0.053	0.07	< 2	6	51	0.15	< 20	< 1	< 2	< 10	70	< 10	4	6
886814	1.69	0.095	0.048	0.18	< 2	6	71	0.17	< 20	< 1	< 2	< 10	61	< 10	6	6
886815	2.28	0.099	0.068	0.05	< 2	8	44	0.23	< 20	2	< 2	< 10	88	< 10	7	8
886816	2.42	0.279	0.064	0.02	< 2	9	114	0.24	< 20	2	< 2	< 10	87	32	6	6
886817	1.99	0.099	0.061	0.06	< 2	7	83	0.21	< 20	3	< 2	< 10	72	< 10	5	4
886818	2.42	0.233	0.064	< 0.01	< 2	10	125	0.23	< 20	< 1	< 2	< 10	91	< 10	7	9
886819	2.48	0.072	0.074	< 0.01	< 2	9	72	0.20	< 20	2	< 2	< 10	92	< 10	7	6
886820	1.54	0.090	0.069	0.01	< 2	7	52	0.16	< 20	2	< 2	< 10	61	< 10	5	5
886821	1.81	0.223	0.055	0.36	< 2	12	99	0.26	20	4	< 2	< 10	107	< 10	7	5
886822	1.64	0.123	0.049	0.71	< 2	14	78	0.29	< 20	3	< 2	< 10	144	< 10	8	9
886823	3.43	0.141	0.104	0.10	3	15	67	0.29	20	2	< 2	< 10	128	< 10	10	20
886824	1.69	0.140	0.055	0.92	< 2	11	107	0.26	20	2	< 2	< 10	119	< 10	7	9
886825	1.30	0.071	0.020	2.85	< 2	1	7	< 0.01	< 20	< 1	< 2	< 10	3	< 10	2	5
886826	< 0.01	0.015	0.002	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	3
886827	1.22	0.159	0.061	0.04	8	6	60	0.19	< 20	4	< 2	< 10	60	< 10	5	3
886828	1.14	0.124	0.054	0.01	< 2	5	45	0.18	< 20	2	< 2	< 10	58	< 10	5	5
886829	1.04	0.163	0.050	0.02	< 2	6	53	0.19	< 20	< 1	< 2	< 10	66	< 10	5	4
886830	1.36	0.127	0.047	0.33	3	11	50	0.22	< 20	2	< 2	< 10	115	< 10	7	10
886831	1.08	0.152	0.048	0.22	< 2	8	60	0.18	< 20	< 1	< 2	< 10	91	< 10	7	6
886832	1.61	0.265	0.032	0.78	3	21	35	0.25	30	3	< 2	< 10	189	< 10	12	3
886833	1.60	0.274	0.033	0.63	2	21	35	0.24	30	< 1	< 2	< 10	185	< 10	11	2
886834	2.85	0.117	0.095	0.13	3	12	129	0.28	20	2	< 2	< 10	89	< 10	7	18
886835	0.91	0.124	0.057	0.41	< 2	3	85	0.14	< 20	1	< 2	< 10	32	< 10	3	3
886836	0.62	0.104	0.059	0.46	< 2	2	68	0.11	< 20	< 1	< 2	< 10	25	< 10	3	2
886837	0.47	0.134	0.056	0.39	< 2	1	72	0.10	< 20	< 1	< 2	< 10	20	< 10	3	2
886838	0.72	0.076	0.062	0.64	< 2	2	65	0.08	< 20	2	< 2	< 10	30	< 10	4	3
886839	1.31	0.038	0.046	0.18	3	5	45	0.13	30	< 1	< 2	< 10	46	< 10	6	4
886840	0.99	0.038	0.037	0.39	4	5	68	0.12	30	3	< 2	< 10	48	< 10	4	5
886841	0.89	0.031	0.045	0.37	6	5	31	0.14	40	2	< 2	< 10	56	< 10	5	5
886842	0.84	0.032	0.041	0.21	4	5	38	0.13	40	< 1	< 2	< 10	52	< 10	5	5
886843	0.84	0.033	0.042	0.21	5	5	52	0.13	40	2	< 2	< 10	50	< 10	6	6
886844	0.79	0.034	0.041	0.26	3	5	33	0.13	40	< 1	< 2	< 10	54	< 10	5	5
886845	0.67	0.046	0.038	0.15	< 2	4	60	0.11	30	< 1	< 2	< 10	40	< 10	6	5
886846	4.24	0.048	0.121	0.11	13	7	204	< 0.01	20	< 1	< 2	< 10	60	< 10	8	3
886847	0.84	0.015	0.016	1.06	4	2	54	0.03	40	< 1	< 2	10	20	< 10	3	16
886848	0.63	0.014	0.010	1.99	3	1	35	< 0.01	40	3	< 2	< 10	13	< 10	2	10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
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
886849	0.84	0.021	0.012	3.63	5	1	24	< 0.01	50	< 1	< 2	14	11	< 10	3	21
886850	1.07	0.024	0.028	1.74	5	2	37	0.01	40	< 1	< 2	12	17	< 10	3	21
886851	0.72	0.040	0.024	0.57	< 2	1	32	< 0.01	< 20	< 1	< 2	< 10	11	< 10	4	6
886852	0.81	0.087	0.058	0.15	< 2	4	49	0.04	< 20	< 1	< 2	< 10	29	< 10	9	3
886853	0.81	0.127	0.040	1.02	< 2	1	44	< 0.01	< 20	< 1	< 2	< 10	10	< 10	4	3
886854	0.50	0.147	0.026	3.09	4	2	41	< 0.01	30	< 1	< 2	< 10	11	< 10	4	21
886855	0.57	0.189	0.036	2.12	< 2	1	42	< 0.01	< 20	2	< 2	< 10	9	< 10	4	6
886856	0.77	0.121	0.027	1.59	3	2	32	< 0.01	< 20	2	< 2	< 10	10	< 10	4	5
886857	0.69	0.099	0.028	2.53	3	1	52	< 0.01	< 20	2	< 2	< 10	7	< 10	13	5
886858	0.65	0.163	0.039	1.28	2	2	47	< 0.01	< 20	< 1	< 2	< 10	12	< 10	4	4
886859	0.61	0.103	0.024	4.90	4	2	31	< 0.01	40	< 1	< 2	11	10	< 10	4	37
886860	2.30	0.050	0.033	0.23	< 2	7	42	0.38	20	2	< 2	< 10	163	< 10	10	12
886861	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
886862	0.76	0.103	0.024	3.93	6	2	36	< 0.01	40	< 1	< 2	11	10	< 10	4	39
886863	0.49	0.070	0.027	2.62	5	2	28	< 0.01	20	< 1	< 2	< 10	13	< 10	4	18
886864	0.72	0.089	0.052	0.62	< 2	2	47	< 0.01	< 20	1	< 2	< 10	11	< 10	5	2
886865	0.81	0.086	0.065	1.06	< 2	1	36	< 0.01	< 20	< 1	< 2	< 10	10	< 10	6	2
886866	0.54	0.140	0.032	2.27	3	2	197	< 0.01	< 20	2	< 2	< 10	11	< 10	7	4
886867	0.48	0.129	0.038	2.16	5	3	46	< 0.01	< 20	< 1	< 2	< 10	13	< 10	7	6
886868	0.59	0.107	0.035	1.74	2	2	37	< 0.01	< 20	1	< 2	< 10	14	< 10	6	6
886869	0.59	0.087	0.038	2.20	4	2	32	< 0.01	20	< 1	< 2	< 10	15	< 10	6	6
886870	0.44	0.019	0.006	1.43	3	< 1	15	< 0.01	20	< 1	< 2	< 10	8	< 10	2	8
886871	0.85	0.027	0.013	2.12	4	2	22	0.02	40	< 1	< 2	12	9	< 10	4	34
886872	0.40	0.015	0.007	9.85	21	< 1	10	< 0.01	130	< 1	< 2	42	12	< 10	1	15
886873	1.24	0.016	0.038	2.80	6	3	25	0.03	50	< 1	< 2	17	21	< 10	4	20
886874	0.75	0.047	0.031	10.8	10	1	16	< 0.01	70	2	< 2	21	9	< 10	2	24
886875	0.82	0.041	0.017	7.58	5	1	19	< 0.01	50	< 1	2	15	8	< 10	2	21
886876	0.72	0.083	0.038	2.23	< 2	1	38	< 0.01	20	< 1	< 2	< 10	8	< 10	4	4
886877	0.55	0.079	0.033	2.13	4	2	33	< 0.01	< 20	< 1	< 2	< 10	9	< 10	4	5
886878	0.58	0.074	0.033	2.68	4	2	31	< 0.01	20	1	< 2	< 10	13	< 10	5	9
886879	0.77	0.076	0.025	1.09	2	2	32	< 0.01	< 20	3	< 2	< 10	7	< 10	5	5
886880	2.27	0.145	0.065	0.13	< 2	6	51	0.37	20	3	< 2	< 10	130	< 10	13	18
886881	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
886882	0.61	0.069	0.043	2.52	3	2	38	< 0.01	20	< 1	< 2	< 10	12	< 10	7	6
886883	0.75	0.090	0.030	1.52	< 2	3	50	< 0.01	< 20	< 1	2	< 10	12	< 10	10	6
886884	0.55	0.078	0.045	1.72	< 2	2	35	< 0.01	< 20	1	< 2	< 10	14	< 10	7	3
886885	0.67	0.075	0.031	1.83	4	2	45	< 0.01	< 20	< 1	< 2	< 10	12	< 10	8	6
886886	0.73	0.063	0.008	0.40	< 2	2	41	< 0.01	< 20	< 1	< 2	< 10	2	< 10	12	15
886887	0.80	0.059	0.043	0.95	< 2	2	49	< 0.01	< 20	1	< 2	< 10	10	< 10	11	2
886888	0.73	0.035	0.014	2.36	2	1	56	< 0.01	30	< 1	3	< 10	9	< 10	4	20
886889	0.77	0.014	0.042	9.32	8	3	24	0.03	90	< 1	< 2	27	15	< 10	3	25
886890	0.89	0.034	0.035	9.67	6	1	41	< 0.01	70	< 1	< 2	19	9	< 10	3	25

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
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
886891	0.75	0.119	0.031	2.03	4	3	64	< 0.01	20	1	< 2	< 10	23	< 10	5	9
886892	0.77	0.082	0.043	0.38	3	2	83	< 0.01	< 20	< 1	2	< 10	14	< 10	5	2
886893	0.87	0.049	0.047	1.96	3	2	62	< 0.01	30	3	< 2	< 10	14	< 10	5	4
886894	1.38	0.023	0.056	0.46	5	2	47	0.04	50	< 1	< 2	14	15	< 10	5	6
886895	1.39	0.014	0.056	1.50	6	2	53	0.06	50	< 1	< 2	17	21	< 10	4	19
886896	0.93	0.018	0.036	3.82	8	2	52	0.06	40	< 1	< 2	13	17	< 10	4	41
886897	1.24	0.015	0.015	0.52	4	1	20	0.02	50	< 1	< 2	15	11	< 10	3	10
886898	1.61	0.012	0.022	0.20	6	< 1	23	< 0.01	60	< 1	< 2	19	7	< 10	4	7
886899	1.06	0.012	0.019	0.32	4	< 1	14	< 0.01	50	1	< 2	14	8	< 10	3	8
886900	2.38	0.053	0.033	0.23	< 2	7	43	0.39	20	1	< 2	< 10	167	< 10	11	11
886901	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
886902	0.82	0.015	0.023	0.80	4	1	16	0.02	40	3	< 2	12	10	< 10	3	11
886903	0.63	0.014	0.015	1.01	3	2	21	0.02	30	< 1	< 2	10	17	< 10	2	11
886904	0.47	0.020	0.018	1.69	3	2	26	0.03	30	< 1	< 2	< 10	15	< 10	3	14
886905	0.39	0.051	0.027	1.24	3	1	25	< 0.01	< 20	< 1	< 2	< 10	9	< 10	6	4
886906	0.50	0.048	0.033	2.07	< 2	2	27	< 0.01	< 20	< 1	< 2	< 10	10	< 10	7	6
886907	0.41	0.078	0.033	1.31	3	2	45	< 0.01	< 20	2	< 2	< 10	15	< 10	5	5
886908	0.48	0.085	0.041	0.45	< 2	2	55	< 0.01	< 20	5	< 2	< 10	13	< 10	4	2
886909	0.63	0.073	0.044	0.91	< 2	2	75	0.01	< 20	2	< 2	< 10	13	< 10	6	2
886910	0.53	0.064	0.035	2.02	3	2	93	< 0.01	< 20	2	< 2	< 10	10	< 10	7	4
886911	0.56	0.076	0.045	3.53	3	2	49	< 0.01	30	< 1	< 2	< 10	11	< 10	6	22
886912	0.58	0.073	0.045	2.96	3	2	30	< 0.01	30	< 1	< 2	< 10	9	< 10	5	7
886913	0.60	0.052	0.033	2.83	4	2	43	< 0.01	20	< 1	< 2	< 10	14	< 10	6	10
886914	0.70	0.056	0.026	2.22	2	2	35	< 0.01	20	< 1	< 2	< 10	7	< 10	12	12
886915	0.48	0.055	0.038	3.76	4	2	35	< 0.01	30	2	< 2	< 10	17	< 10	5	16
886916	0.40	0.040	0.024	3.56	8	2	23	< 0.01	40	< 1	< 2	11	11	< 10	4	47
886917	0.78	0.059	0.046	2.02	3	2	53	< 0.01	< 20	< 1	< 2	< 10	15	< 10	7	4
886918	1.02	0.048	0.061	2.72	5	3	59	< 0.01	30	< 1	< 2	< 10	24	< 10	7	4
886919	0.59	0.039	0.020	3.28	4	1	33	< 0.01	30	< 1	< 2	< 10	7	< 10	8	53
886920	2.34	0.055	0.033	0.24	< 2	7	45	0.39	20	5	< 2	< 10	166	< 10	10	12
886921	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
886922	0.52	0.035	0.026	1.07	3	2	36	< 0.01	< 20	< 1	< 2	< 10	14	< 10	6	8
886923	1.93	0.030	0.054	1.08	3	12	94	0.06	30	< 1	< 2	11	138	< 10	6	10
886924	2.30	0.035	0.043	0.35	4	13	84	0.10	30	< 1	2	< 10	152	< 10	6	9
886925	2.34	0.025	0.050	0.52	3	12	89	0.09	30	< 1	< 2	< 10	152	< 10	6	8
886926	0.61	0.040	0.009	0.25	< 2	1	29	0.02	< 20	< 1	< 2	< 10	7	< 10	6	9
886927	0.43	0.040	0.010	0.11	< 2	< 1	98	0.01	< 20	< 1	< 2	< 10	< 1	< 10	9	3
886928	0.32	0.049	0.010	0.15	< 2	< 1	54	0.01	< 20	< 1	< 2	< 10	2	< 10	7	5
886929	0.37	0.058	0.011	0.23	< 2	< 1	50	< 0.01	< 20	< 1	< 2	< 10	2	< 10	6	9
886930	0.80	0.043	0.033	0.66	< 2	< 1	36	< 0.01	< 20	1	< 2	< 10	5	< 10	5	2
886931	0.47	0.039	0.032	3.42	6	1	29	< 0.01	30	< 1	< 2	< 10	6	< 10	5	14
886932	0.74	0.040	0.047	0.74	< 2	1	38	0.01	< 20	2	< 2	< 10	7	< 10	8	3

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
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
886933	0.56	0.047	0.046	3.11	2	1	35	< 0.01	30	< 1	< 2	< 10	5	< 10	6	6
886934	0.76	0.041	0.045	1.80	4	1	26	< 0.01	20	2	< 2	< 10	12	< 10	6	3
886935	0.74	0.040	0.024	2.20	4	< 1	17	< 0.01	30	4	2	< 10	4	< 10	4	17
886936	0.75	0.040	0.013	0.24	< 2	< 1	14	< 0.01	< 20	1	< 2	< 10	3	< 10	5	7

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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		0.3	< 0.5	6070	450	2	35	9	24	1.90	94		79	7.3	6	0.04	87	25	6.23	< 10		0.95	38
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
OREAS 904 (Aqua Regia) Meas		0.4	< 0.5	6340	440	2	38	10	27	2.11	96		82	7.8	2	0.05	97	27	6.76	< 10		0.94	41
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
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2240	791	< 1	35	57	257	2.88	4		80	0.8	8	0.40	17	45	5.20	< 10		0.50	35
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
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2250	755	< 1	35	61	279	2.96	4		77	0.8	13	0.42	18	48	5.35	< 10		0.46	38
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
OREAS 923 (AQUA REGIA) Meas		2.1	< 0.5	4660	924	< 1	33	81	346	3.01	7		50	0.7	24	0.42	21	43	6.26	< 10		0.46	35
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
OREAS 923 (AQUA REGIA) Meas		1.9	< 0.5	4470	849	< 1	36	83	352	3.07	7		64	0.8	23	0.43	21	45	6.29	< 10		0.41	36
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
OREAS 520 (Aqua Regia) Meas				2900	2030	58	70	< 2	20	1.48	149			0.6	4	3.25	165	32	15.8	10		0.50	64
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
OREAS 520 (Aqua Regia) Meas				2930	1990	56	75	< 2	20	1.59	146			0.6	< 2	3.55	180	35	16.8	10		0.47	68
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
OREAS 222 (Fire Assay) Meas	1240																						
OREAS 222 (Fire Assay) Cert	1220																						
OREAS 222 (Fire	1240																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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
Assay) Meas																							
OREAS 222 (Fire Assay) Cert	1220																						
OREAS 222 (Fire Assay) Meas	1220																						
OREAS 222 (Fire Assay) Cert	1220																						
OREAS 222 (Fire Assay) Meas	1200																						
OREAS 222 (Fire Assay) Cert	1220																						
OREAS 222 (Fire Assay) Meas	1240																						
OREAS 222 (Fire Assay) Cert	1220																						
OREAS 222 (Fire Assay) Meas	1250																						
OREAS 222 (Fire Assay) Cert	1220																						
OREAS 222 (Fire Assay) Meas	1230																						
OREAS 222 (Fire Assay) Cert	1220																						
Oreas 621 (Aqua Regia) Meas		72.3	270	3760	572	15	24	> 5000	> 10000	1.85	85			0.6	6	1.70	30	30	3.50	10	3	0.41	19
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
Oreas 621 (Aqua Regia) Meas		69.5	280	3560	529	14	29	> 5000	> 10000	1.85	79			0.6	3	1.63	34	37	3.52	10	4	0.37	18
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
OREAS 215 (Fire Assay) Meas	3590																						
OREAS 215 (Fire Assay) Cert	3540																						
OREAS 215 (Fire Assay) Meas	3520																						
OREAS 215 (Fire Assay) Cert	3540																						
OREAS 215 (Fire Assay) Meas	3500																						
OREAS 215 (Fire Assay) Cert	3540																						
OREAS 215 (Fire Assay) Meas	3430																						
OREAS 215 (Fire Assay) Cert	3540																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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 215 (Fire Assay) Meas	3470																						
OREAS 215 (Fire Assay) Cert	3540																						
OREAS 215 (Fire Assay) Meas	3590																						
OREAS 215 (Fire Assay) Cert	3540																						
OREAS 215 (Fire Assay) Meas	3590																						
OREAS 215 (Fire Assay) Cert	3540																						
886732 Orig	< 5	< 0.2	< 0.5	20	269	< 1	9	3	51	1.18	< 2	< 10	89	< 0.5	< 2	1.49	7	22	1.64	< 10	< 1	0.75	17
886732 Dup	< 5	< 0.2	< 0.5	21	271	< 1	9	3	51	1.21	< 2	< 10	91	< 0.5	< 2	1.51	7	24	1.68	< 10	< 1	0.77	18
886742 Orig	7																						
886742 Dup	< 5																						
886747 Orig		< 0.2	< 0.5	32	341	2	23	< 2	49	1.16	< 2	< 10	96	< 0.5	< 2	1.70	8	62	1.80	< 10	< 1	0.84	10
886747 Dup		< 0.2	< 0.5	30	343	2	22	< 2	49	1.15	< 2	< 10	97	< 0.5	< 2	1.69	8	60	1.79	< 10	< 1	0.84	10
886752 Orig	247																						
886752 Dup	270																						
886756 Orig		0.2	< 0.5	65	639	< 1	64	< 2	80	2.95	< 2	< 10	161	< 0.5	2	2.90	18	149	6.15	10	< 1	2.03	15
886756 Dup		< 0.2	< 0.5	67	638	< 1	64	< 2	79	2.93	< 2	< 10	174	< 0.5	< 2	2.89	16	148	6.20	< 10	< 1	2.04	15
886767 Orig	< 5																						
886767 Dup	< 5																						
886772 Orig	< 5	< 0.2	0.5	24	614	2	66	< 2	68	2.70	< 2	< 10	254	< 0.5	< 2	2.93	19	109	3.72	< 10	< 1	1.74	16
886772 Split PREP DUP	< 5	< 0.2	< 0.5	25	631	2	70	< 2	68	2.81	< 2	< 10	258	< 0.5	< 2	3.05	20	112	3.85	< 10	< 1	1.81	16
886774 Orig		< 0.2	< 0.5	33	424	2	60	< 2	68	2.64	< 2	< 10	226	< 0.5	< 2	2.84	19	96	3.70	< 10	< 1	1.93	10
886774 Dup		< 0.2	< 0.5	32	413	2	59	< 2	66	2.65	< 2	< 10	224	< 0.5	< 2	2.78	20	94	3.65	< 10	< 1	1.90	< 10
886776 Orig	< 5																						
886776 Dup	< 5																						
886786 Orig	8																						
886786 Dup	5																						
886795 Orig		< 0.2	< 0.5	43	537	10	56	< 2	68	2.48	< 2	< 10	141	< 0.5	< 2	2.85	16	81	3.39	< 10	< 1	1.53	11
886795 Dup		< 0.2	< 0.5	43	543	9	57	< 2	70	2.49	2	< 10	142	< 0.5	< 2	2.89	16	81	3.41	< 10	< 1	1.55	11
886806 Orig	8																						
886806 Dup	8																						
886810 Orig	< 5	< 0.2	< 0.5	35	563	< 1	51	< 2	53	1.75	< 2	< 10	153	< 0.5	< 2	1.87	14	93	2.78	< 10	< 1	0.43	21
886810 Dup	< 5	< 0.2	< 0.5	34	566	< 1	51	< 2	53	1.78	2	< 10	154	< 0.5	< 2	1.88	15	94	2.77	< 10	< 1	0.43	21
886818 Orig		< 0.2	< 0.5	40	524	< 1	79	< 2	64	3.35	< 2	< 10	409	< 0.5	< 2	2.07	20	149	3.78	10	< 1	1.20	17
886818 Dup		< 0.2	< 0.5	40	529	< 1	80	< 2	65	3.33	< 2	< 10	414	< 0.5	3	2.10	21	151	3.78	10	< 1	1.20	17
886822 Orig	7	0.2	< 0.5	98	754	1	79	< 2	66	2.39	6	< 10	38	< 0.5	< 2	2.75	32	137	4.74	< 10	< 1	0.47	< 10
886822 Split PREP DUP	11	< 0.2	< 0.5	99	743	1	80	< 2	66	2.31	8	< 10	35	< 0.5	4	2.65	32	134	4.69	< 10	< 1	0.46	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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
886823 Orig	< 5																						
886823 Dup	< 5																						
886835 Orig	10																						
886835 Dup	10																						
886837 Orig		< 0.2	< 0.5	16	241	< 1	6	< 2	46	1.27	< 2	< 10	74	< 0.5	< 2	1.77	6	60	1.60	< 10	< 1	0.70	16
886837 Dup		< 0.2	< 0.5	16	240	< 1	6	< 2	46	1.27	< 2	< 10	78	< 0.5	< 2	1.76	5	63	1.58	< 10	< 1	0.70	16
886845 Orig	< 5																						
886845 Dup	< 5																						
886853 Orig		< 0.2	< 0.5	24	446	1	16	11	66	1.64	< 2	< 10	16	< 0.5	2	2.38	10	20	2.79	< 10	< 1	0.48	13
886853 Dup		< 0.2	< 0.5	25	450	1	16	10	66	1.69	< 2	< 10	19	0.5	4	2.41	10	22	2.82	< 10	< 1	0.49	14
886855 Orig	< 5																						
886855 Dup	8																						
886868 Orig		< 0.2	0.7	65	507	1	26	10	157	1.44	14	< 10	14	0.7	< 2	2.79	14	12	3.65	< 10	< 1	0.46	14
886868 Dup		< 0.2	0.7	64	522	2	26	12	159	1.43	14	< 10	15	0.7	< 2	2.84	15	11	3.70	< 10	< 1	0.46	14
886870 Orig	< 5																						
886870 Dup	< 5																						
886872 Orig	11	1.2	< 0.5	58	2910	< 1	31	< 2	14	0.29	109	< 10	< 10	< 0.5	4	0.75	9	7	> 30.0	< 10	< 1	< 0.01	< 10
886872 Split PREP DUP	10	0.8	< 0.5	51	2810	< 1	29	< 2	14	0.27	90	< 10	< 10	< 0.5	5	0.76	13	6	29.7	< 10	< 1	< 0.01	< 10
886876 Orig		< 0.2	< 0.5	23	1380	< 1	19	7	108	1.18	70	< 10	14	< 0.5	< 2	3.03	12	13	4.42	< 10	< 1	0.43	< 10
886876 Dup		< 0.2	< 0.5	23	1370	< 1	20	5	108	1.18	64	< 10	14	< 0.5	< 2	3.06	11	12	4.36	< 10	< 1	0.43	< 10
886879 Orig	< 5																						
886879 Dup	< 5																						
886889 Orig	24																						
886889 Dup	45																						
886895 Orig		< 0.2	< 0.5	17	2160	< 1	14	< 2	33	1.59	41	< 10	18	0.8	2	2.51	< 1	28	14.6	< 10	< 1	0.40	< 10
886895 Dup		< 0.2	< 0.5	17	2160	< 1	14	< 2	33	1.58	40	< 10	25	0.8	3	2.52	1	35	14.5	< 10	< 1	0.40	< 10
886904 Orig	< 5																						
886904 Dup	< 5																						
886914 Orig	45																						
886914 Dup	27																						
886916 Orig		1.2	1.3	156	389	2	29	33	487	0.89	617	< 10	12	< 0.5	< 2	0.93	22	10	9.18	< 10	1	0.46	15
886916 Dup		1.3	1.5	165	409	2	33	36	502	0.93	657	< 10	12	< 0.5	< 2	0.96	23	12	9.52	< 10	2	0.48	15
886922 Orig	150	< 0.2	< 0.5	26	570	3	12	< 2	91	0.63	5590	< 10	21	< 0.5	< 2	2.08	11	32	2.88	< 10	< 1	0.31	16
886922 Split PREP DUP	171	< 0.2	< 0.5	28	601	3	13	< 2	92	0.67	6040	< 10	17	< 0.5	2	2.19	13	35	2.98	< 10	< 1	0.33	16
886930 Orig		< 0.2	< 0.5	20	430	1	7	9	91	0.93	179	< 10	30	< 0.5	2	1.93	8	5	2.34	< 10	< 1	0.23	25
886930 Dup		< 0.2	< 0.5	18	413	1	7	9	68	0.92	174	< 10	31	< 0.5	< 2	1.87	7	5	2.24	< 10	< 1	0.23	23
886932 Orig	< 5																						
886932 Dup	< 5																						
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
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
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

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
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
OREAS 904 (Aqua Regia) Meas	0.21		0.092	0.04	2	5	18		30		< 2	10	34		20	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.24		0.101	0.04	< 2	5	20		< 20		< 2	< 10	33		18	
OREAS 904 (Aqua Regia) Cert	0.143		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	1.40	0.029	0.059	0.34	3	4	15		30		< 2	< 10	37	< 10	22	20
OREAS 922 (AQUA REGIA) Cert	1.33	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	1.49	0.033	0.064	0.36	4	4	16		< 20		3	< 10	34	< 10	20	14
OREAS 922 (AQUA REGIA) Cert	1.33	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	1.56		0.059	0.65	< 2	4	15		40		< 2	< 10	39	< 10	22	10
OREAS 923 (AQUA REGIA) Cert	1.43		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	1.60		0.061	0.66	2	4	15		< 20		< 2	< 10	35	< 10	19	19
OREAS 923 (AQUA REGIA) Cert	1.43		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	1.15	0.053	0.067	0.81	9	11	27	0.15	60	< 1	2	28	236	25	13	36
OREAS 520 (Aqua Regia) Cert	1.14	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 520 (Aqua Regia) Meas	1.22	0.060	0.072	0.87	8	12	29	0.15	< 20	< 1	< 2	11	223	28	12	35
OREAS 520 (Aqua Regia) Cert	1.14	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 222 (Fire Assay) Meas																
OREAS 222 (Fire Assay) Cert																
OREAS 222 (Fire																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
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
OREAS 215 (Fire Assay) Meas																
OREAS 215 (Fire Assay) Cert																
OREAS 215 (Fire Assay) Meas																
OREAS 215 (Fire Assay) Cert																
OREAS 215 (Fire Assay) Meas																
OREAS 215 (Fire Assay) Cert																
886732 Orig	0.57	0.096	0.058	0.31	< 2	1	63	0.14	< 20	< 1	< 2	< 10	22	< 10	3	9
886732 Dup	0.58	0.099	0.059	0.32	< 2	1	64	0.15	< 20	2	< 2	< 10	22	< 10	3	9
886742 Orig																
886742 Dup																
886747 Orig	0.78	0.066	0.038	0.24	< 2	2	43	0.11	< 20	2	< 2	< 10	28	< 10	3	20
886747 Dup	0.77	0.067	0.037	0.23	< 2	2	43	0.10	< 20	3	< 2	< 10	28	< 10	3	20
886752 Orig																
886752 Dup																
886756 Orig	2.47	0.121	0.067	0.29	< 2	8	83	0.24	30	2	< 2	< 10	99	< 10	7	18
886756 Dup	2.47	0.122	0.068	0.30	3	8	83	0.24	30	2	< 2	< 10	98	< 10	7	21
886767 Orig																
886767 Dup																
886772 Orig	2.08	0.099	0.060	0.19	< 2	7	46	0.19	< 20	4	< 2	< 10	74	< 10	5	4
886772 Split PREP DUP	2.15	0.102	0.063	0.20	< 2	7	48	0.20	< 20	3	< 2	< 10	76	< 10	5	3
886774 Orig	2.22	0.100	0.056	0.22	< 2	10	38	0.19	< 20	< 1	< 2	< 10	74	< 10	4	6
886774 Dup	2.18	0.098	0.055	0.22	< 2	10	38	0.19	< 20	1	< 2	< 10	74	< 10	4	7
886776 Orig																
886776 Dup																
886786 Orig																
886786 Dup																
886795 Orig	1.68	0.100	0.047	0.19	< 2	5	52	0.16	< 20	2	< 2	< 10	57	< 10	5	10
886795 Dup	1.70	0.101	0.048	0.19	< 2	5	52	0.16	< 20	6	< 2	< 10	57	< 10	5	6
886806 Orig																
886806 Dup																
886810 Orig	1.53	0.235	0.081	0.07	< 2	8	72	0.17	< 20	3	< 2	< 10	71	< 10	6	4
886810 Dup	1.51	0.235	0.082	0.07	< 2	8	73	0.17	< 20	2	< 2	< 10	71	< 10	6	6
886818 Orig	2.41	0.233	0.064	< 0.01	< 2	10	124	0.23	< 20	< 1	< 2	< 10	90	< 10	7	9
886818 Dup	2.43	0.234	0.064	< 0.01	< 2	10	125	0.23	< 20	< 1	< 2	< 10	93	< 10	7	9
886822 Orig	1.64	0.123	0.049	0.71	< 2	14	78	0.29	< 20	3	< 2	< 10	144	< 10	8	9
886822 Split PREP DUP	1.59	0.109	0.049	0.69	< 2	13	74	0.27	< 20	2	< 2	< 10	140	< 10	8	8

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
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
886823 Orig																
886823 Dup																
886835 Orig																
886835 Dup																
886837 Orig	0.47	0.133	0.056	0.40	< 2	1	72	0.10	< 20	2	< 2	< 10	20	< 10	3	2
886837 Dup	0.47	0.134	0.057	0.39	< 2	1	72	0.10	< 20	< 1	< 2	< 10	21	< 10	3	2
886845 Orig																
886845 Dup																
886853 Orig	0.81	0.125	0.040	1.01	< 2	1	43	< 0.01	< 20	< 1	< 2	< 10	9	< 10	4	3
886853 Dup	0.82	0.128	0.040	1.03	< 2	1	44	< 0.01	< 20	1	< 2	< 10	10	< 10	4	3
886855 Orig																
886855 Dup																
886868 Orig	0.58	0.107	0.034	1.75	2	2	37	< 0.01	< 20	1	< 2	< 10	14	< 10	6	6
886868 Dup	0.59	0.107	0.035	1.73	2	2	36	< 0.01	< 20	2	< 2	< 10	14	< 10	6	5
886870 Orig																
886870 Dup																
886872 Orig	0.40	0.015	0.007	9.85	21	< 1	10	< 0.01	130	< 1	< 2	42	12	< 10	1	15
886872 Split PREP DUP	0.37	0.014	0.007	4.47	12	< 1	10	< 0.01	120	< 1	< 2	37	11	< 10	1	14
886876 Orig	0.72	0.083	0.038	2.22	2	1	38	< 0.01	20	< 1	< 2	< 10	8	< 10	4	4
886876 Dup	0.71	0.083	0.037	2.23	< 2	1	38	< 0.01	20	< 1	< 2	< 10	8	< 10	4	4
886879 Orig																
886879 Dup																
886889 Orig																
886889 Dup																
886895 Orig	1.40	0.014	0.056	1.46	6	2	52	0.06	60	< 1	< 2	17	21	< 10	4	19
886895 Dup	1.38	0.015	0.056	1.54	6	2	53	0.06	50	< 1	< 2	17	21	< 10	4	19
886904 Orig																
886904 Dup																
886914 Orig																
886914 Dup																
886916 Orig	0.39	0.040	0.023	3.46	9	2	23	< 0.01	40	< 1	< 2	11	10	< 10	4	47
886916 Dup	0.41	0.041	0.024	3.65	8	2	24	< 0.01	40	< 1	< 2	11	11	< 10	4	47
886922 Orig	0.52	0.035	0.026	1.07	3	2	36	< 0.01	< 20	< 1	< 2	< 10	14	< 10	6	8
886922 Split PREP DUP	0.55	0.036	0.027	1.10	2	2	37	< 0.01	< 20	< 1	< 2	< 10	15	< 10	6	6
886930 Orig	0.82	0.044	0.034	0.68	< 2	< 1	37	< 0.01	< 20	2	< 2	< 10	5	< 10	5	2
886930 Dup	0.78	0.042	0.032	0.65	< 2	< 1	36	< 0.01	< 20	1	< 2	< 10	5	< 10	5	2
886932 Orig																
886932 Dup																
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Date Submitted: 13-Mar-19
Invoice No.: A19-03858
Invoice Date: 01-Apr-19
Your Reference: 1987-07

Benton Resources Inc.
684 Squier Street
Thunder Bay ON P7B 4A8
Canada

ATTN: Nathan Sims (Inv)

CERTIFICATE OF ANALYSIS

52 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

Code 1E3-Tbay Aqua Regia ICP(AQUAGEO)

REPORT **A19-03858**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

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:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé", written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

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

Results

Activation Laboratories Ltd.

Report: A19-03858

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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
886937	15	0.2	< 0.5	36	1770	2	31	9	29	1.02	416	< 10	13	< 0.5	< 2	2.75	19	20	5.76	< 10	2	0.44	< 10
886938	19	< 0.2	< 0.5	24	1040	2	17	6	52	1.73	146	< 10	17	< 0.5	< 2	2.42	9	17	3.46	< 10	< 1	0.71	< 10
886939	< 5	< 0.2	< 0.5	20	704	< 1	6	4	45	1.00	3	< 10	38	< 0.5	2	2.54	3	4	1.80	< 10	< 1	0.20	11
886940	46	0.2	< 0.5	38	666	2	30	8	95	1.81	391	< 10	17	< 0.5	< 2	1.46	14	15	3.67	< 10	< 1	0.87	12
886941	6	< 0.2	< 0.5	28	662	1	18	8	77	0.96	75	< 10	24	< 0.5	3	1.43	10	7	2.77	< 10	< 1	0.45	12
886942	< 5	< 0.2	< 0.5	22	603	2	10	7	58	1.54	12	< 10	39	< 0.5	3	1.86	7	7	2.40	< 10	< 1	0.61	16
886943	15	< 0.2	< 0.5	22	1070	< 1	11	3	52	1.36	618	< 10	32	< 0.5	< 2	1.97	4	8	4.54	< 10	2	0.21	< 10
886944	24	< 0.2	< 0.5	19	970	2	9	2	59	1.81	892	< 10	52	< 0.5	< 2	2.33	6	14	4.13	< 10	< 1	0.52	13
886945	13	< 0.2	< 0.5	22	1030	2	9	2	47	0.93	507	< 10	35	< 0.5	< 2	2.30	7	12	3.21	< 10	< 1	0.42	11
886946	7	< 0.2	< 0.5	19	946	1	9	4	56	1.85	114	< 10	36	< 0.5	< 2	2.23	6	11	2.72	< 10	< 1	0.60	17
886947	13	< 0.2	< 0.5	28	1140	1	13	6	63	0.92	99	< 10	18	< 0.5	< 2	1.55	10	5	3.75	< 10	< 1	0.39	15
886948	< 5	0.2	1.2	50	340	3	33	8	550	2.01	52	< 10	13	< 0.5	< 2	1.17	17	14	4.12	< 10	< 1	0.70	19
886949	< 5	< 0.2	< 0.5	58	793	2	34	11	56	1.87	89	< 10	15	< 0.5	< 2	2.51	19	13	3.84	< 10	< 1	0.83	< 10
886950	6	0.4	0.7	73	428	2	43	20	247	2.12	93	< 10	< 10	< 0.5	< 2	1.32	18	26	5.65	< 10	< 1	0.97	12
886951	< 5	< 0.2	< 0.5	35	714	1	58	4	70	2.23	73	< 10	34	< 0.5	< 2	0.85	22	36	5.45	< 10	2	0.24	15
886952	27	< 0.2	< 0.5	122	690	3	66	3	62	3.22	1280	< 10	70	0.6	< 2	1.47	22	52	6.00	< 10	2	0.91	15
886953	< 5	< 0.2	< 0.5	32	566	1	55	6	73	2.19	57	< 10	34	< 0.5	< 2	1.08	18	49	5.16	< 10	< 1	0.22	20
886954	< 5	< 0.2	< 0.5	51	510	2	47	6	77	2.90	44	< 10	138	< 0.5	< 2	1.12	16	65	5.49	10	2	0.68	19
886955	7	< 0.2	< 0.5	137	707	2	39	5	71	2.72	19	< 10	37	< 0.5	< 2	1.38	12	51	8.80	< 10	< 1	0.14	11
886956	< 5	< 0.2	< 0.5	37	545	1	40	3	78	2.64	28	< 10	36	< 0.5	< 2	1.17	15	46	8.27	< 10	2	0.14	13
886957	6	< 0.2	< 0.5	42	699	1	49	< 2	99	3.47	< 2	< 10	22	< 0.5	< 2	0.41	12	61	9.71	10	2	0.10	17
886958	1810	0.4	< 0.5	165	751	1	87	4	62	4.00	14	18	24	< 0.5	< 2	3.35	28	114	5.77	10	< 1	0.09	< 10
886959	< 5	< 0.2	< 0.5	< 1	6	< 1	9	< 2	< 2	0.04	< 2	< 10	11	< 0.5	< 2	< 0.01	< 1	13	0.04	< 10	< 1	< 0.01	< 10
886960	10	0.2	< 0.5	36	1090	< 1	29	10	31	1.15	< 2	< 10	24	< 0.5	< 2	2.52	11	40	6.58	< 10	2	0.06	10
886961	< 5	0.2	< 0.5	50	770	< 1	51	3	72	2.79	< 2	< 10	56	< 0.5	2	0.88	18	76	6.94	< 10	2	0.29	18
886962	< 5	< 0.2	< 0.5	3	361	< 1	17	< 2	32	1.81	3	< 10	35	< 0.5	< 2	1.07	12	31	5.00	10	< 1	0.11	13
886963	12	0.8	< 0.5	289	362	< 1	37	61	173	1.42	16	< 10	< 10	0.6	2	0.94	82	68	6.49	< 10	< 1	0.55	< 10
886964	< 5	< 0.2	< 0.5	12	423	1	52	4	66	1.77	14	< 10	104	0.5	< 2	1.25	10	91	3.56	< 10	< 1	0.42	18
886965	< 5	< 0.2	2.0	61	493	< 1	40	7	350	2.25	14	< 10	85	< 0.5	< 2	1.50	9	72	5.34	< 10	2	0.37	181
886966	< 5	< 0.2	< 0.5	< 1	425	2	48	14	97	1.81	26	14	90	0.5	< 2	1.18	10	80	3.72	< 10	< 1	0.40	18
886967	< 5	< 0.2	< 0.5	3	471	< 1	53	< 2	98	2.16	39	< 10	98	< 0.5	< 2	1.50	9	90	4.66	< 10	< 1	0.49	29
886968	< 5	< 0.2	< 0.5	5	450	< 1	18	12	165	0.73	812	< 10	88	< 0.5	< 2	2.56	8	27	2.36	< 10	2	0.38	29
886969	181	< 0.2	< 0.5	5	348	1	16	6	47	1.38	4450	< 10	87	< 0.5	< 2	1.75	10	39	2.85	< 10	< 1	0.55	23
886970	435	< 0.2	< 0.5	5	399	< 1	15	15	32	1.07	6260	< 10	68	< 0.5	< 2	1.80	8	37	3.11	< 10	< 1	0.37	18
886971	33	< 0.2	< 0.5	5	362	< 1	16	8	27	1.19	5100	< 10	70	< 0.5	2	1.77	11	48	2.98	< 10	< 1	0.45	20
886972	34	< 0.2	< 0.5	5	374	2	15	4	31	1.09	2090	< 10	70	< 0.5	< 2	1.96	10	39	3.15	< 10	< 1	0.39	21
886973	449	< 0.2	< 0.5	3	438	16	14	7	17	0.82	9890	< 10	69	< 0.5	2	2.42	9	53	2.99	< 10	< 1	0.39	21
886974	402	0.2	< 0.5	< 1	382	< 1	14	11	10	0.89	> 10000	< 10	66	< 0.5	< 2	1.98	7	43	2.60	< 10	< 1	0.48	17
886975	10	< 0.2	< 0.5	5	383	< 1	16	< 2	14	1.55	1600	< 10	123	< 0.5	< 2	2.47	10	51	2.68	< 10	3	0.71	24
886976	< 5	< 0.2	< 0.5	5	367	< 1	15	3	16	1.02	168	< 10	88	< 0.5	< 2	2.42	9	36	2.65	< 10	< 1	0.45	23
886977	< 5	< 0.2	< 0.5	4	328	< 1	14	2	24	1.28	89	< 10	103	< 0.5	< 2	1.74	9	52	2.77	< 10	< 1	0.38	23
886978	1910	0.5	< 0.5	160	730	1	87	5	62	3.88	15	17	25	< 0.5	< 2	3.28	26	111	5.61	< 10	2	0.09	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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
886979	< 5	< 0.2	< 0.5	< 1	6	< 1	8	< 2	< 2	0.04	< 2	< 10	10	< 0.5	< 2	< 0.01	< 1	13	0.04	< 10	< 1	< 0.01	< 10
886980	< 5	< 0.2	< 0.5	5	299	< 1	15	3	15	1.01	68	< 10	106	< 0.5	< 2	2.08	8	76	2.57	< 10	< 1	0.36	23
886981	< 5	< 0.2	< 0.5	2	304	< 1	13	3	15	1.02	20	< 10	75	< 0.5	< 2	1.96	8	46	2.53	< 10	< 1	0.31	22
886982	< 5	< 0.2	< 0.5	< 1	298	< 1	14	3	23	1.43	11	< 10	103	< 0.5	< 2	1.60	8	36	2.67	< 10	< 1	0.40	24
886983	< 5	< 0.2	< 0.5	10	418	< 1	14	2	21	1.32	5	< 10	148	< 0.5	< 2	1.86	9	40	2.77	< 10	< 1	0.50	23
886984	19	< 0.2	< 0.5	12	404	< 1	15	2	19	1.13	25	< 10	106	< 0.5	< 2	1.98	10	42	2.98	< 10	< 1	0.40	21
886985	18	< 0.2	< 0.5	23	374	1	14	2	17	1.26	559	< 10	123	< 0.5	3	2.30	13	34	2.71	< 10	< 1	0.59	20
886986	5	< 0.2	< 0.5	8	398	< 1	15	< 2	20	1.27	19	< 10	102	< 0.5	< 2	2.48	14	42	3.18	< 10	< 1	0.44	25
886987	13	0.3	< 0.5	30	333	< 1	15	3	15	1.16	8	< 10	104	< 0.5	< 2	2.46	13	25	2.94	< 10	< 1	0.42	24
886988	< 5	< 0.2	< 0.5	16	233	1	16	< 2	19	1.58	< 2	< 10	101	< 0.5	< 2	2.25	12	47	3.08	< 10	2	0.31	25

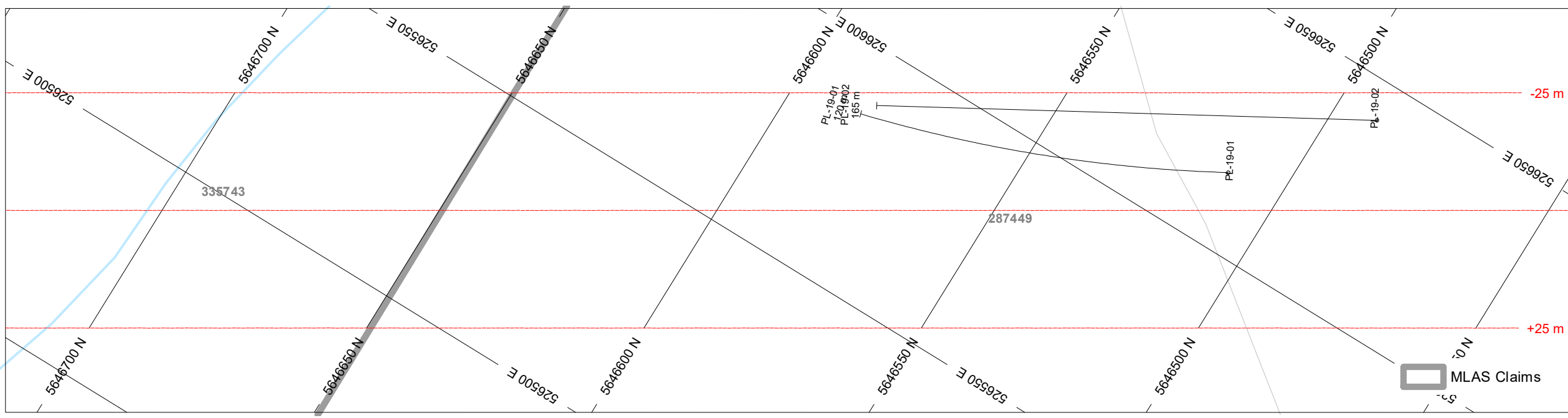
Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
886937	0.37	0.071	0.031	3.29	3	3	58	< 0.01	20	2	< 2	< 10	23	< 10	4	28
886938	0.41	0.087	0.025	1.42	2	3	47	0.01	< 20	< 1	< 2	< 10	20	< 10	4	14
886939	0.40	0.035	0.034	0.30	< 2	< 1	30	< 0.01	< 20	3	< 2	< 10	4	< 10	4	1
886940	0.40	0.087	0.029	1.96	4	3	45	< 0.01	< 20	< 1	< 2	< 10	22	< 10	5	16
886941	0.44	0.059	0.037	1.37	3	1	36	< 0.01	< 20	< 1	< 2	< 10	9	< 10	4	7
886942	0.49	0.077	0.029	0.76	< 2	2	58	< 0.01	< 20	2	< 2	< 10	9	< 10	5	4
886943	0.69	0.032	0.035	1.02	2	1	46	0.01	20	< 1	< 2	< 10	11	< 10	4	5
886944	0.81	0.141	0.038	0.85	< 2	3	67	0.03	< 20	< 1	< 2	< 10	22	< 10	5	4
886945	0.67	0.057	0.043	1.18	< 2	2	61	< 0.01	< 20	< 1	< 2	< 10	8	< 10	5	3
886946	0.54	0.095	0.040	0.68	< 2	2	69	< 0.01	< 20	< 1	< 2	< 10	14	< 10	6	2
886947	0.71	0.048	0.031	2.01	3	< 1	43	< 0.01	< 20	< 1	< 2	< 10	5	< 10	4	18
886948	0.81	0.072	0.037	2.11	2	3	42	< 0.01	20	< 1	< 2	< 10	24	< 10	6	17
886949	1.08	0.076	0.037	3.05	3	4	61	< 0.01	< 20	< 1	< 2	< 10	27	< 10	7	16
886950	0.56	0.100	0.038	4.73	6	5	45	0.01	30	< 1	< 2	< 10	31	< 10	6	29
886951	1.05	0.023	0.034	0.32	5	3	35	0.09	30	3	< 2	< 10	30	< 10	5	6
886952	1.17	0.045	0.043	0.59	5	6	74	0.05	30	1	< 2	< 10	45	< 10	7	6
886953	1.23	0.029	0.041	0.02	4	3	45	0.08	20	< 1	< 2	< 10	33	< 10	5	4
886954	1.00	0.136	0.043	0.20	4	6	67	0.13	30	1	< 2	< 10	58	< 10	6	6
886955	1.12	0.023	0.054	0.28	4	5	70	0.06	40	< 1	< 2	11	46	< 10	4	6
886956	1.06	0.029	0.050	0.22	4	5	62	0.07	40	1	< 2	< 10	48	< 10	4	6
886957	1.57	0.029	0.055	0.58	5	8	16	0.08	40	< 1	< 2	< 10	80	< 10	4	7
886958	2.33	0.053	0.032	0.23	< 2	7	45	0.38	20	2	< 2	< 10	162	< 10	10	10
886959	< 0.01	0.015	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
886960	0.84	0.093	0.039	1.63	3	6	155	0.09	30	< 1	< 2	< 10	53	< 10	5	16
886961	1.50	0.067	0.043	0.61	4	8	38	0.12	30	< 1	< 2	< 10	77	< 10	5	7
886962	1.19	0.117	0.069	0.31	3	6	57	0.11	20	< 1	< 2	< 10	61	< 10	4	5
886963	1.17	0.146	0.062	2.67	4	8	68	0.10	30	< 1	< 2	< 10	78	< 10	5	19
886964	1.26	0.115	0.039	0.13	< 2	8	73	0.15	< 20	< 1	< 2	< 10	77	< 10	6	8
886965	1.49	0.056	0.056	0.09	4	6	73	0.12	20	1	< 2	< 10	63	< 10	7	7
886966	1.30	0.100	0.042	< 0.01	3	6	56	0.16	< 20	1	< 2	< 10	61	< 10	6	8
886967	1.52	0.079	0.038	0.06	< 2	6	65	0.14	20	3	< 2	< 10	64	< 10	5	10
886968	0.89	0.078	0.057	0.23	3	2	95	0.04	< 20	2	< 2	< 10	16	< 10	6	3
886969	0.89	0.105	0.059	0.44	< 2	3	75	0.03	< 20	3	< 2	< 10	26	< 10	7	4
886970	0.97	0.092	0.059	0.59	4	3	78	0.02	< 20	< 1	< 2	< 10	21	< 10	6	4
886971	0.91	0.114	0.056	0.57	4	3	85	0.03	< 20	< 1	< 2	< 10	25	< 10	6	5
886972	0.93	0.104	0.058	0.54	3	3	84	0.03	< 20	< 1	< 2	< 10	24	< 10	6	4
886973	0.88	0.108	0.058	0.61	4	3	89	0.02	< 20	< 1	< 2	< 10	18	< 10	6	4
886974	0.74	0.083	0.052	0.64	6	2	85	0.02	< 20	3	< 2	< 10	14	< 10	6	4
886975	0.93	0.084	0.063	0.34	2	3	92	0.04	< 20	3	< 2	< 10	16	< 10	6	3
886976	0.88	0.091	0.057	0.19	< 2	2	86	0.07	< 20	2	< 2	< 10	17	< 10	6	3
886977	0.95	0.113	0.059	0.13	2	3	75	0.10	< 20	< 1	< 2	< 10	24	< 10	7	4
886978	2.26	0.051	0.031	0.23	< 2	7	44	0.37	20	< 1	< 2	< 10	162	< 10	10	10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
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
886979	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
886980	0.82	0.106	0.060	0.09	< 2	3	75	0.09	< 20	< 1	< 2	< 10	25	< 10	6	3
886981	0.90	0.119	0.058	0.03	< 2	3	63	0.10	< 20	< 1	< 2	< 10	24	< 10	6	3
886982	1.04	0.108	0.056	< 0.01	< 2	2	63	0.11	< 20	4	< 2	< 10	22	< 10	7	3
886983	0.87	0.116	0.058	0.14	< 2	3	65	0.11	< 20	< 1	< 2	< 10	24	< 10	7	4
886984	0.86	0.106	0.056	0.32	< 2	3	72	0.10	< 20	3	< 2	< 10	21	< 10	6	4
886985	0.87	0.070	0.051	0.24	< 2	2	88	0.04	< 20	1	< 2	< 10	15	< 10	6	3
886986	0.96	0.091	0.061	0.09	2	2	82	0.10	< 20	< 1	< 2	< 10	18	< 10	7	3
886987	0.80	0.091	0.062	0.28	< 2	2	90	0.10	< 20	< 1	< 2	< 10	14	< 10	6	4
886988	0.85	0.110	0.060	< 0.01	< 2	3	63	0.13	< 20	< 1	< 2	< 10	27	< 10	6	4

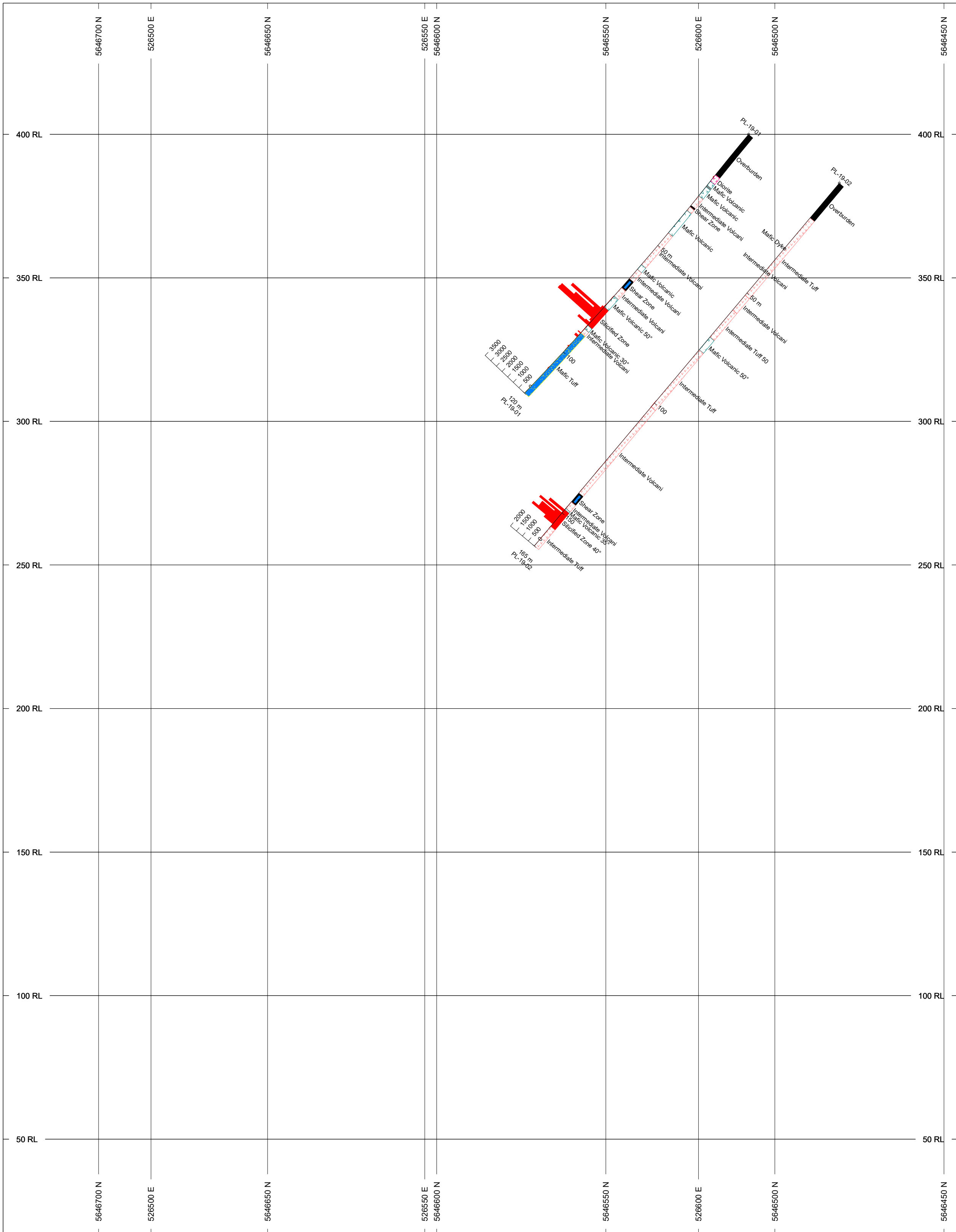
Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	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 222 (Fire Assay) Meas	1270																						
OREAS 222 (Fire Assay) Cert	1220																						
OREAS 222 (Fire Assay) Meas	1240																						
OREAS 222 (Fire Assay) Cert	1220																						
OREAS 215 (Fire Assay) Meas	3510																						
OREAS 215 (Fire Assay) Cert	3540																						
OREAS 215 (Fire Assay) Meas	3630																						
OREAS 215 (Fire Assay) Cert	3540																						
886946 Orig	6																						
886946 Dup	7																						
886949 Orig		< 0.2	< 0.5	57	782	2	33	10	55	1.83	89	< 10	14	< 0.5	< 2	2.48	18	13	3.78	< 10	< 1	0.82	< 10
886949 Dup		< 0.2	< 0.5	59	804	2	35	11	57	1.90	90	< 10	16	< 0.5	< 2	2.54	20	13	3.89	< 10	< 1	0.85	< 10
886956 Orig	< 5																						
886956 Dup	11																						
886963 Orig		0.8	< 0.5	287	364	< 1	36	63	175	1.41	18	< 10	< 10	0.6	3	0.95	82	68	6.52	< 10	< 1	0.54	< 10
886963 Dup		0.7	< 0.5	290	359	< 1	37	59	171	1.43	15	< 10	< 10	0.6	2	0.93	81	68	6.45	< 10	2	0.55	< 10
886966 Orig	6																						
886966 Dup	< 5																						
886976 Orig		< 0.2	0.6	5	368	< 1	15	2	15	1.05	165	< 10	90	< 0.5	< 2	2.43	8	32	2.68	< 10	< 1	0.46	22
886976 Dup		< 0.2	< 0.5	5	366	< 1	14	3	16	0.99	171	< 10	86	< 0.5	< 2	2.41	10	40	2.61	< 10	< 1	0.44	23
886981 Orig	< 5																						
886981 Dup	< 5																						
886986 Orig	5	< 0.2	< 0.5	8	398	< 1	15	< 2	20	1.27	19	< 10	102	< 0.5	< 2	2.48	14	42	3.18	< 10	< 1	0.44	25
886986 Split PREP DUP	< 5	< 0.2	< 0.5	8	372	1	12	< 2	19	1.21	16	< 10	100	< 0.5	< 2	2.57	14	21	2.97	< 10	< 1	0.39	25
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
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
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
OREAS 222 (Fire Assay) Meas																
OREAS 222 (Fire Assay) Cert																
OREAS 222 (Fire Assay) Meas																
OREAS 222 (Fire Assay) Cert																
OREAS 215 (Fire Assay) Meas																
OREAS 215 (Fire Assay) Cert																
OREAS 215 (Fire Assay) Meas																
OREAS 215 (Fire Assay) Cert																
886946 Orig																
886946 Dup																
886949 Orig	1.06	0.074	0.037	3.04	3	4	60	< 0.01	< 20	1	< 2	< 10	26	< 10	7	16
886949 Dup	1.09	0.077	0.038	3.06	3	4	62	< 0.01	< 20	< 1	3	< 10	27	< 10	7	16
886956 Orig																
886956 Dup																
886963 Orig	1.18	0.144	0.062	2.66	5	8	68	0.09	30	2	< 2	< 10	78	< 10	5	17
886963 Dup	1.16	0.147	0.061	2.67	3	8	68	0.10	30	< 1	< 2	< 10	77	< 10	5	22
886966 Orig																
886966 Dup																
886976 Orig	0.88	0.094	0.057	0.19	< 2	2	87	0.07	< 20	2	< 2	< 10	17	< 10	7	3
886976 Dup	0.87	0.089	0.058	0.19	2	2	86	0.07	< 20	2	< 2	< 10	17	< 10	6	4
886981 Orig																
886981 Dup																
886986 Orig	0.96	0.091	0.061	0.09	2	2	82	0.10	< 20	< 1	< 2	< 10	18	< 10	7	3
886986 Split PREP DUP	0.98	0.089	0.060	0.08	< 2	2	83	0.09	< 20	< 1	< 2	< 10	15	< 10	5	3
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																
Method Blank																
Method Blank																

Appendix III
Panama Project Drill Hole Sections



1:1,000



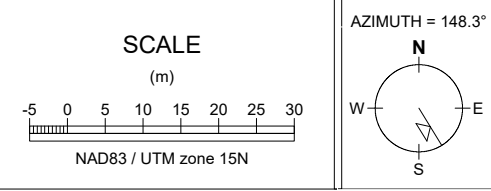
BAR GRAPHS	L/R	COL	
Au_ppb_	L	Red	

ROCK CODES	PAT	LABEL	DESCRIPTION
Summary	Dio	diorite	diorite
	FP	feldspar porphyry	feldspar porphyry
	V_maf	mafic volcanic	mafic volcanic
	Sil	Silicified Zone	Silicified Zone
	Dyk_Maf	Mafic Dyke	Mafic Dyke
	Ovb	Overburden	Overburden
	ShZ	Shear Zone	Shear Zone
	Vif	Int Volcanic Flow	Int Volcanic Flow
	Vmf	Mafic Volcanic Flow	Mafic Volcanic Flow
	VL_int	Intermediate Tuff	Intermediate Tuff
	VL_maf	Mafic Tuff	Mafic Tuff

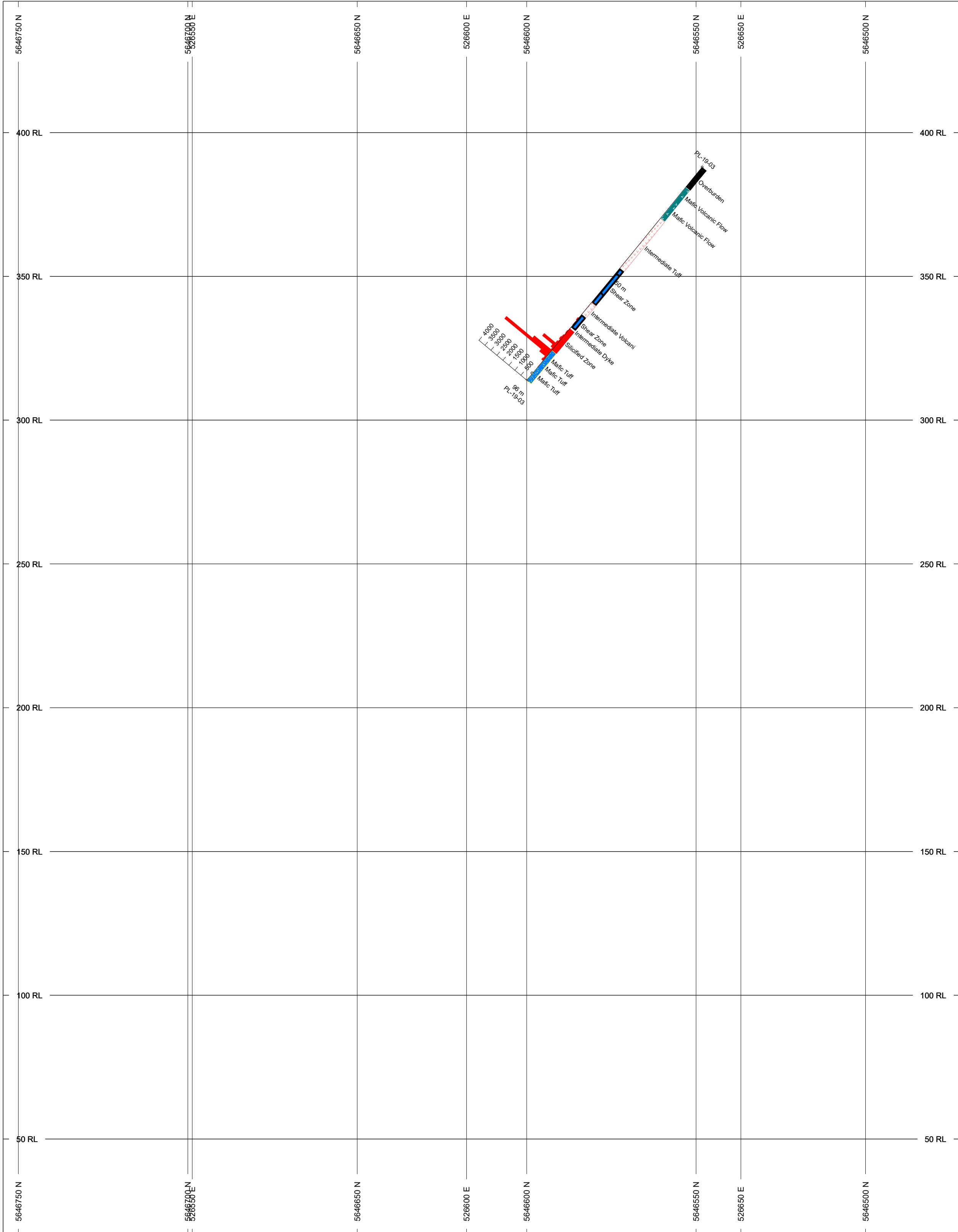
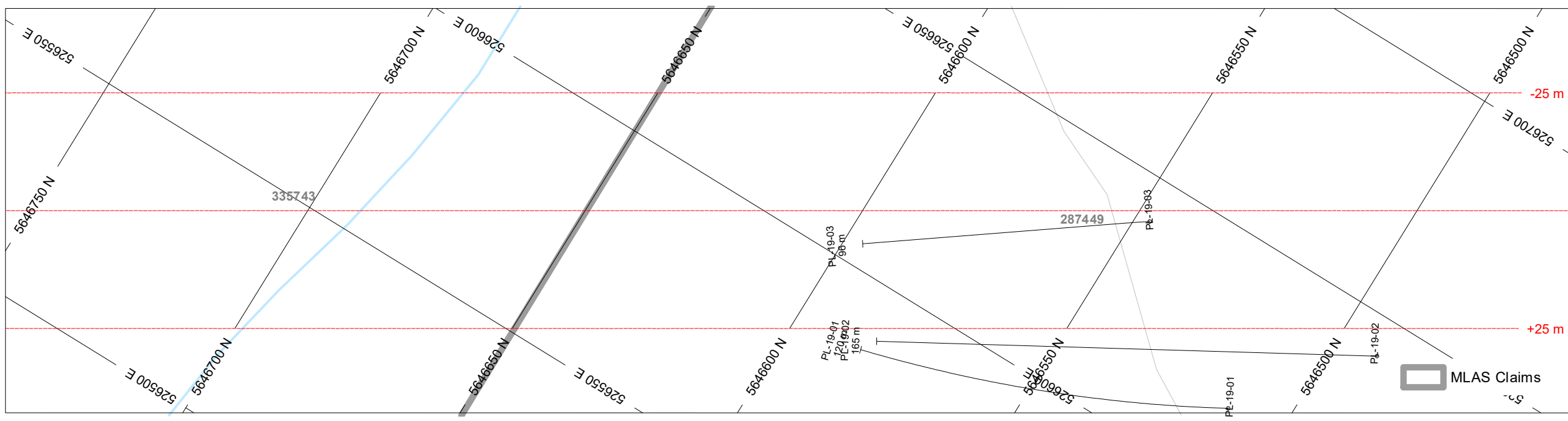
POSTED TEXT	L/R	TEXT	ITEMS
Title	R	All	

SECTION SPECS:

REF. PT. E, N	526560 m	5646587 m
EXTENTS	331.8 m	429 m
SECTION TOP, BOT	445.7 m	16.73 m
TOLERANCE +/-	25 m	



Panama Project - Red Lake District
2019 Phase I Drill Program
Sections by N.Sims



1:1,000

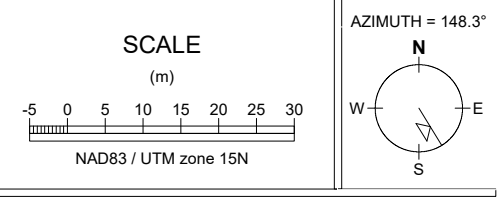


BAR GRAPHS	L/R	COL
Au_ppb_	L	

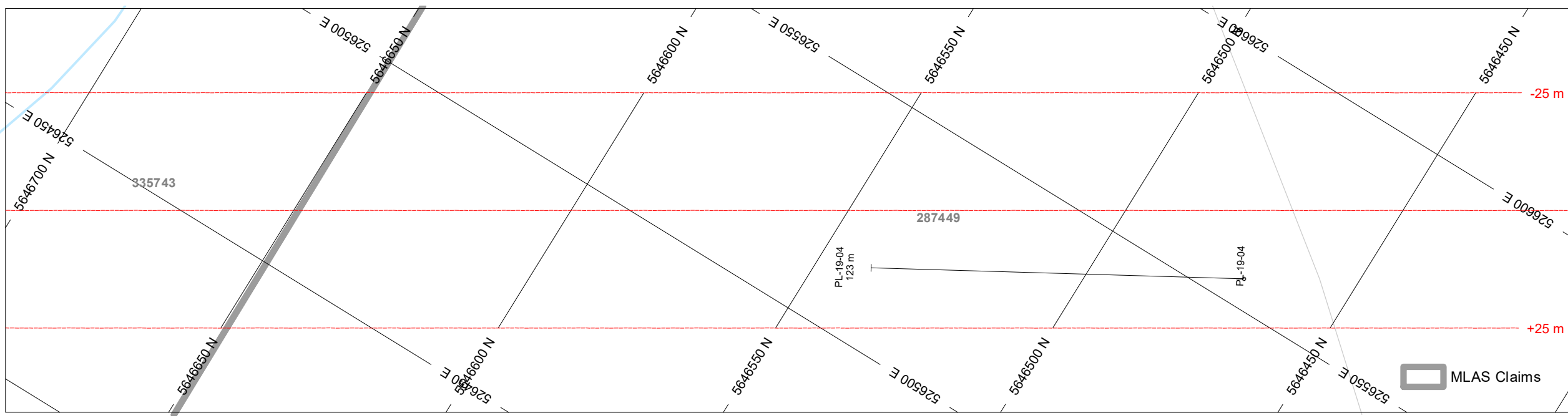
ROCK CODES	PAT	LABEL	DESCRIPTION
Summary		Dio	diorite
		FP	feldspar porphyry
		V_maf	mafic volcanic
		Sil	Silicified Zone
		Dyk_Maf	Mafic Dyke
		Ovb	Overburden
		ShZ	Shear Zone
		Vif	Int Volcanic Flow
		Vmf	Mafic Volcanic Flow
		VT_int	Intermediate Tuff
		VT_maf	Mafic Tuff

POSTED TEXT	L/R	TEXT	ITEMS
Title	R		All

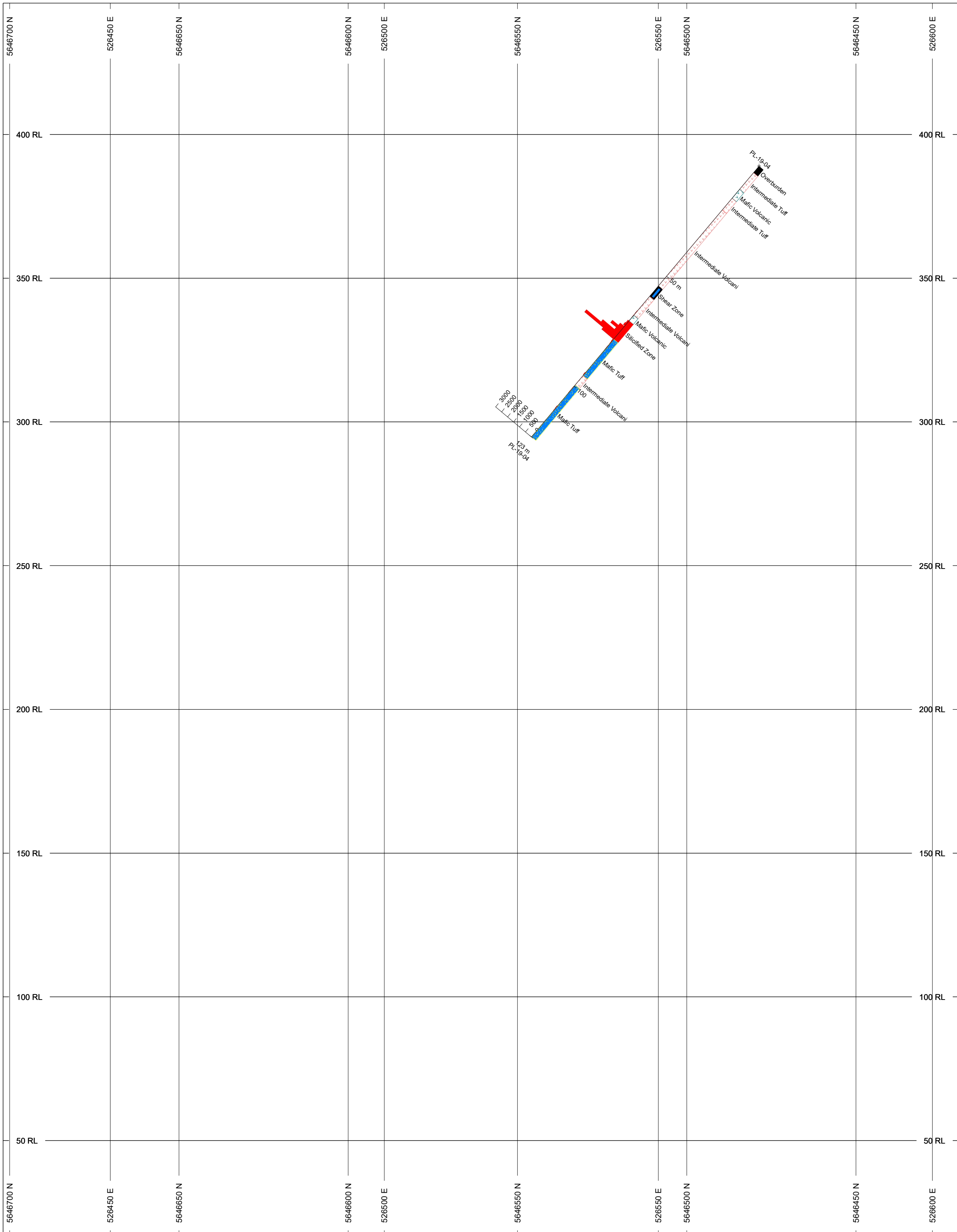
SECTION SPECS:			
REF. PT. E, N	526603 m	5646613 m	
EXTENTS	331.8 m	429 m	
SECTION TOP, BOT	445.7 m	16.73 m	
TOLERANCE +/-		25 m	



Panama Project - Red Lake District
2019 Phase I Drill Program
Sections by N.Sims



1:1,000



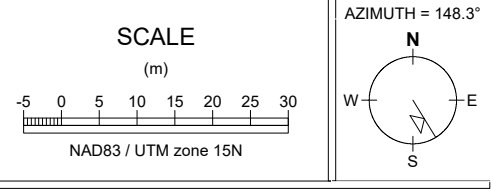
BAR GRAPHS	L/R	COL
Au_ppb_	L	Red

ROCK CODES	PAT	LABEL	DESCRIPTION
Summary	FP	feldspar porphyry	
	V_maf	mafic volcanic	
	Sil	Silicified Zone	
	Ovb	Overburden	
	ShZ	Shear Zone	
	Vif	Int Volcanic Flow	
	Vmf	Mafic Volcanic Flow	
	Vl_int	Intermediate Tuff	
	Vl_maf	Mafic Tuff	

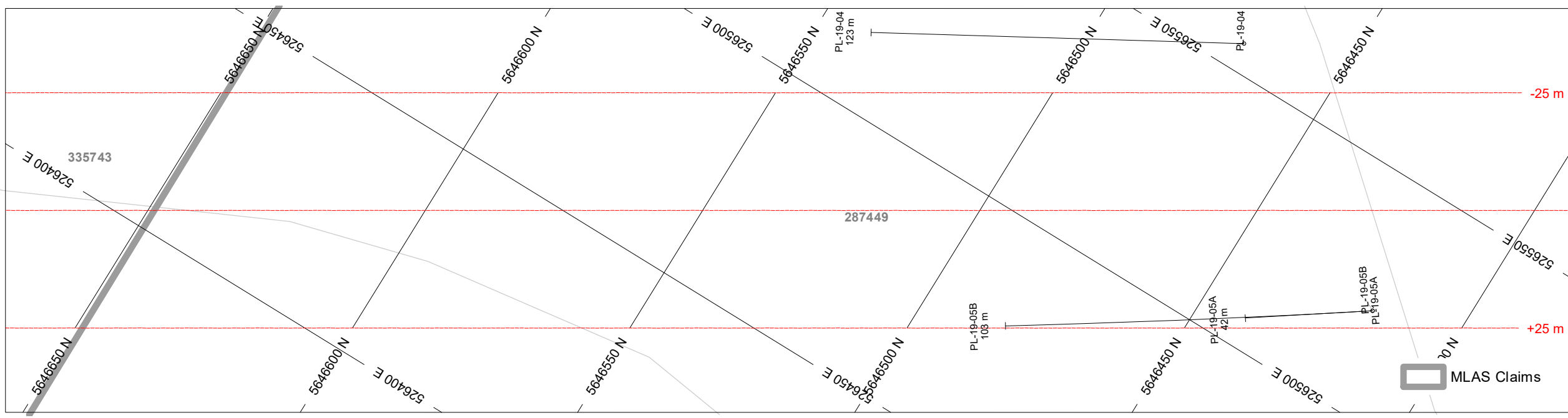
POSTED TEXT	L/R	TEXT	ITEMS
Title	R		All

SECTION SPECS:

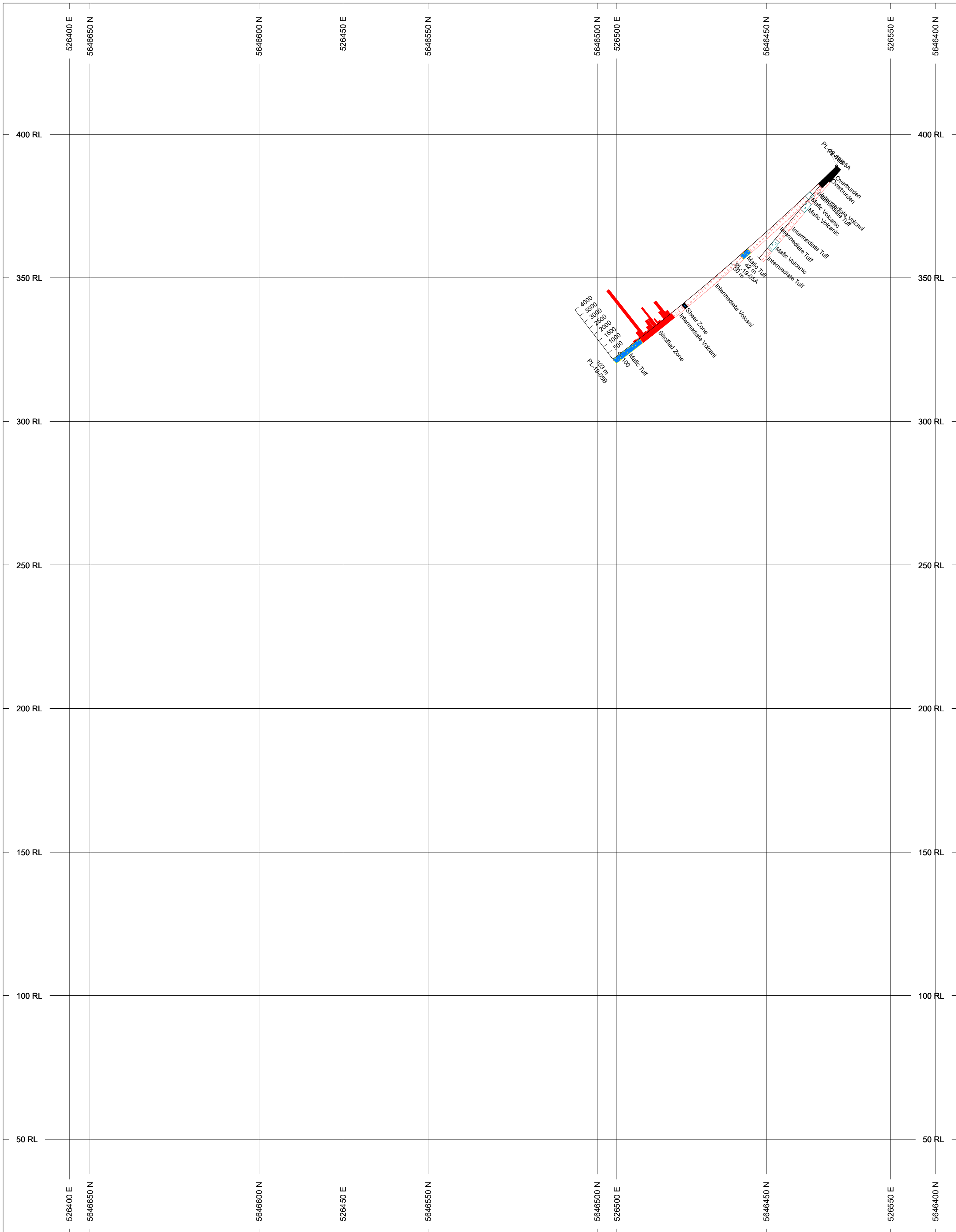
REF. PT. E, N	526518 m	5646561 m
EXTENTS	331.8 m	429 m
SECTION TOP, BOT	445.7 m	16.73 m
TOLERANCE +/-		25 m



Panama Project - Red Lake District
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Sections by N.Sims



1:1,000



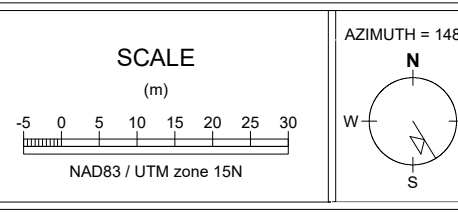
BAK GRAPHICS	L/R	COLOR
Au_ppb_	L	Red

ROCK CODES	PAT	LABEL	DESCRIPTION
Summary	FP	FP	feldspar porphyry
	V_maf	V_maf	mafic volcanic
	Sil	Sil	Silicified Zone
	Ovb	Ovb	Overburden
	ShZ	ShZ	Shear Zone
	Vif	Vif	Int Volcanic Flow
	Vmf	Vmf	Mafic Volcanic Flow
	Vl_int	Vl_int	Intermediate Tuff
	Vl_maf	Vl_maf	Mafic Tuff

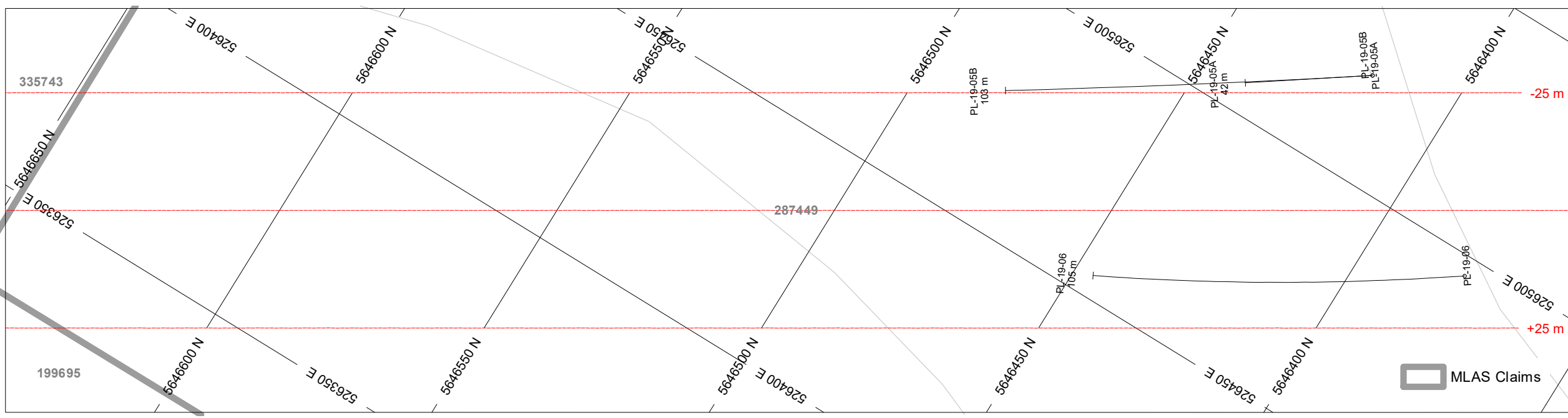
POSTED TEXT	L/R	TEXT	ITEMS
Title	R	-----	All

SECTION SPECS:

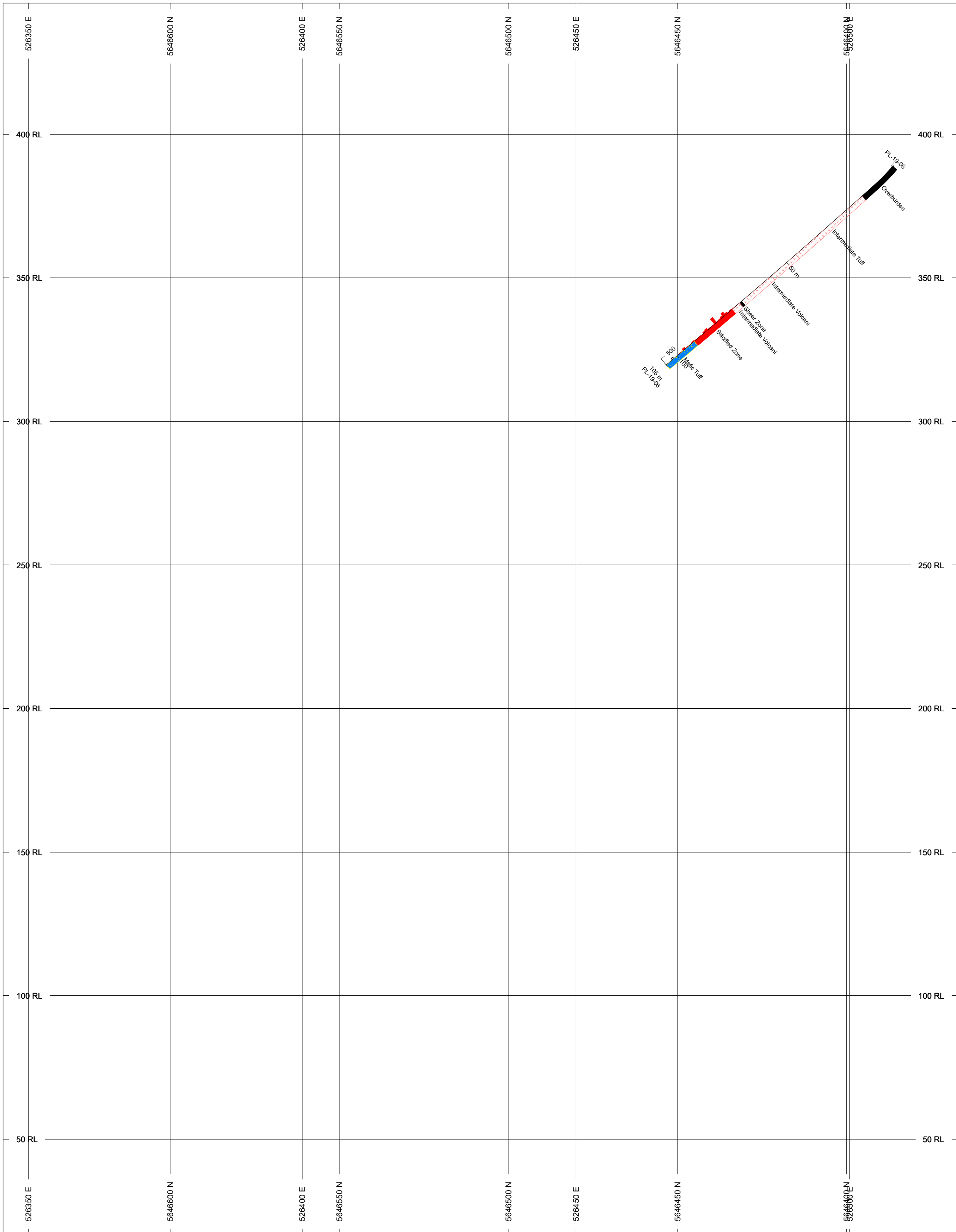
REF. PT. E, N	526475 m	5646535 m
EXTENTS	331.8 m	429 m
SECTION TOP, BOT	445.7 m	16.73 m
TOLERANCE +/-	25 m	



Panama Project - Red Lake District
2019 Phase I Drill Program
Sections by N.Sims



1:1,000



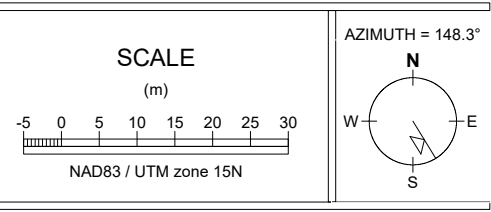
BAR GRAPHS	L/R	COL
Au_ppb_	L	Red

ROCK CODES	PAT	LABEL	DESCRIPTION
Summary	FP	FP	feldspar porphyry
	Sil	Sil	Silicified Zone
	Ovb	Ovb	Overburden
	ShZ	ShZ	Shear Zone
	Vif	Vif	Int Volcanic Flow
	Vmf	Vmf	Mafic Volcanic Flow
	Vl_int	Vl_int	Intermediate Tuff
	Vl_maf	Vl_maf	Mafic Tuff

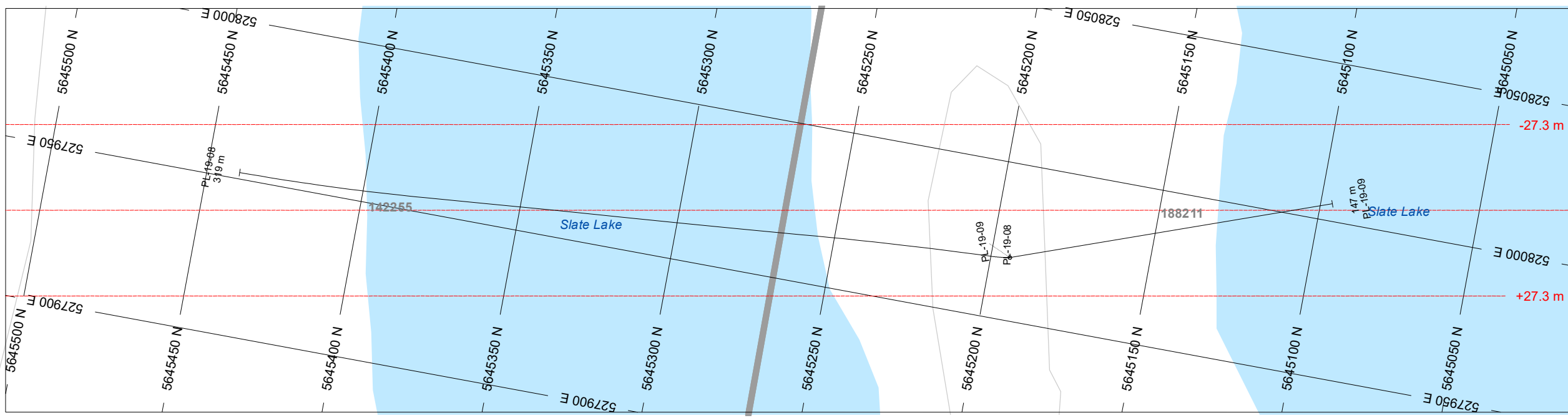
POSTED TEXT	L/R	TEXT	ITEMS
Title	R	-----	All

SECTION SPECS:

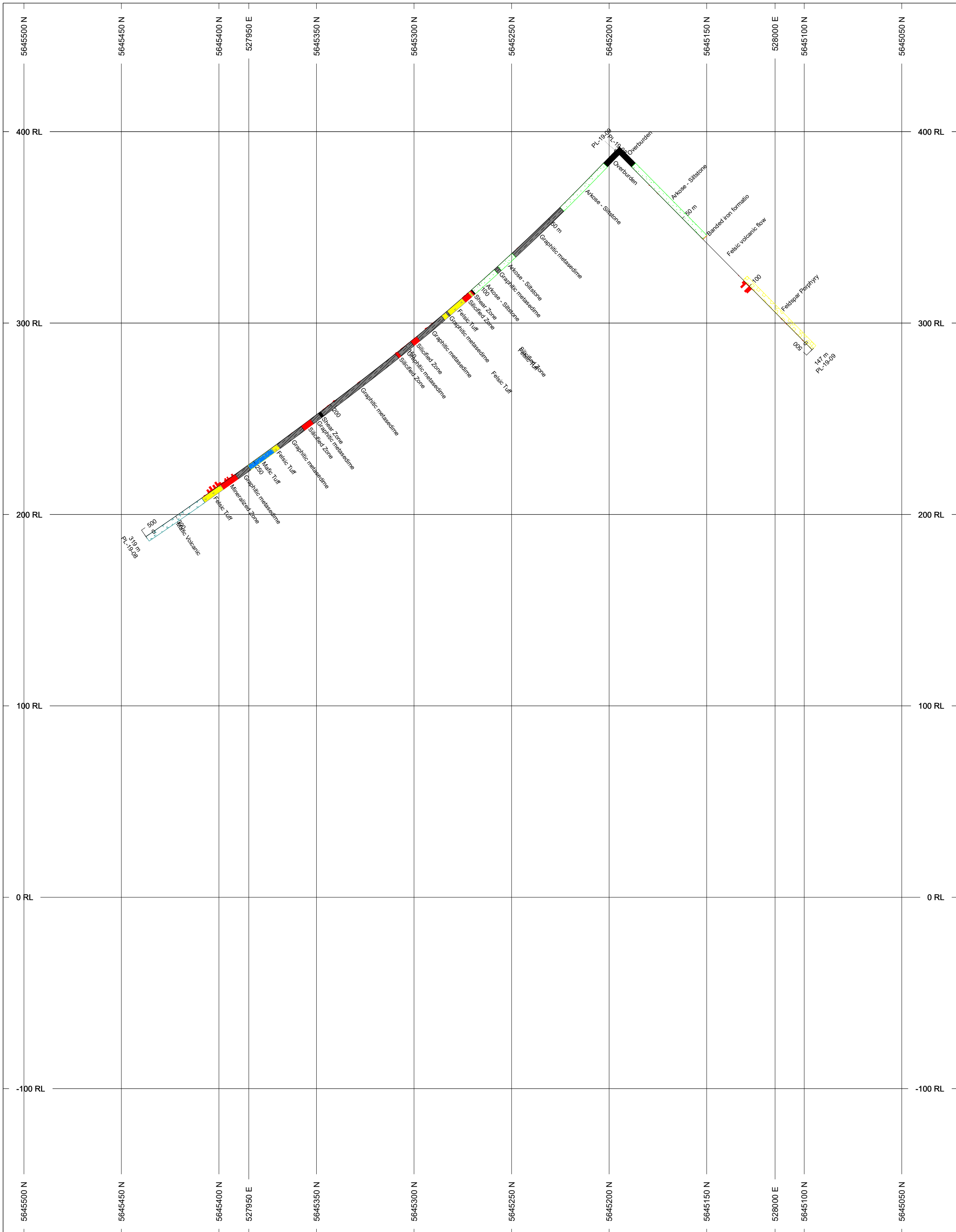
REF. PT. E, N	526433 m	5646508 m
EXTENTS	331.8 m	429 m
SECTION TOP, BOT	445.7 m	16.73 m
TOLERANCE +/-	25 m	



Panama Project - Red Lake District
2019 Phase I Drill Program
Sections by N.Sims



1:1,500



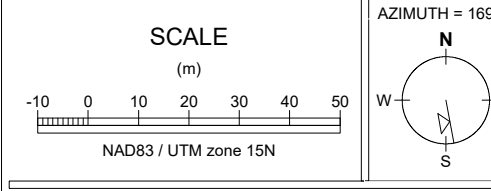
BAR GRAPHS	L/R	COL	
Au_ppb_	L	Red	

ROCK CODES	PAT	LABEL	DESCRIPTION
Summary	Ark	Ark	arkose
	BIF	BIF	banded iron formation
	FP	FP	felspar porphyry
	V_maf	V_maf	mafic volcanic
	Sil	Sil	Silicified Zone
	Gms	Gms	Graphitic Metasediment
	MZ	MZ	Mineralized Zone
	Ovb	Ovb	Overburden
	ShZ	ShZ	Shear Zone
	Vt_fel	Vt_fel	Felsic Tuff
	Vt_maf	Vt_maf	Mafic Tuff

POSTED TEXT	L/R	TEXT	ITEMS
Title	R		All

SECTION SPECS:

REF. PT. E, N	527972 m	5645266 m
EXTENTS	497.6 m	643.5 m
SECTION TOP, BOT	467.1 m	-176.3 m
TOLERANCE +/-		27.32 m



Panama Project - Red Lake District
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Sections by N.Sims