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Technical Report on the 2018 Prospecting and Trenching on the

Bolton Bay Project

Thunder Bay Mining Division, Northwestern Ontario, Canada

NTS 52B/15 52B/16

G-0730 – Henderson Lake Area

G-2709 – Boot Bay Area

MNDM Exploration Permit: PR-18-11280

Nathan Sims, P.Geol
October 5, 2018

Summary

Benton Resources Inc. optioned the Bolton Bay claim block from Joe and Joey Hackl in April of 2018. The Company subsequently performed a number of days prospecting for rocks prospective in gold as well as base metals and PGE's. Where historic and Benton sampling had shown anomalous gold, Benton completed 7 trenches (stripped overburden) using a small tracked excavator and followed up with channel sampling using a gas cutoff saw.

Prospecting yielded positive results with respect to locating gold in new areas as well as confirming gold grades at historical showings. The 34 grab samples taken ranged from trace (<5ppb Au) up to 20,200ppb (20.2g/t) Au. The most significant assay in a 'new' area graded 3070ppb Au and was located nearly 300m NW of the historic "Zone 1&2" showing. Although prospecting located some sulphide rich ultramafic/mafic rock, assays showed that they did not contain economic amounts of mineralization.

Seven trenches were dug to expose bedrock underneath previous sampling. The largest trench ("C") was located at the historic "West Zone" where a 17+ metre wide breccia pipe was uncovered. Gold, along with abundant pyrite, chalcopyrite ± galena and arsenopyrite was mineralized in the quartz rich matrix of the breccias. Brecciated fragments are large and lens-shaped and are believed to be remnants of pillows or flow features in the volcanic (andesite). Channel sampling at Trench C failed to capture many of the higher grade sulphide accumulations and therefore individual assays weren't as high as the grab samples taken previous. Channel sample composites in Trench C included 0.90g/t Au over 17m including 6.43g/t Au over 1m. The remaining trenches all exposed sheared volcanic bedrock, trending mainly E-W and contained various amounts of quartz veining and mineralization. Of particular interest was a bleached, silicified zone in Trench D which contained 5-10% sulphide and fuchsite.

The Bolton Bay project contains the following historical showings:

- East Zone – 13g/t Au (grab samples)
- West Zone – 4.46g/t Au over 7m (historic drilling)
- Zones 1 & 2 – 11.6g/t Au (grab samples)
- Clear Lake East – 17.21g/t Au (grab samples)
- 1925 showing – 15.47g/t Au (grab samples)
- Island Zone – 3.57g/t Au (grab samples)

It is recommended that 2-3 holes be drilled at the west zone using the largest core size possible in hopes of capturing more gold associated with the sulphide accumulations. Previous drill campaigns targeted the West Zone as a linear east-west zone but a vertical hole down the centre of the potential breccia pipe would help to determine the nature of the mineralization. The West Zone could also be tested using a steep dipping hole to the immediate south or north of the outcrop which would capture the better mineralized contacts. The East Zone should be stripped off and prospecting for new showings would also help advance the project.

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Introduction

Unless otherwise specified, all maps, coordinates and spatial reference used in this report is UTM NAD83 Zone 15.

Property Location, Access & Tenure

The Bolton Bay Project is within the Thunder Bay Mining division in Ontario, Canada. The claim block lies in the Boot Bay and Henderson Lake Townships (NTS 52B/15 52B/16) which are approx 100km west of Thunder Bay, ON. The property can be accessed via Highway 11 (Trans-Canada) by travelling 26km north on the Lilly Lake logging road. The exploration activities explained in this report can be visited using a pickup truck and atv.

The project was optioned from J&J Hackl and the optioned claims remain in their name. After the option was in place, Benton staked additional units to ensure all prospective (and available) land was obtained. Appendix 1 contains a list of all operational cells which compose the Bolton Bay project.

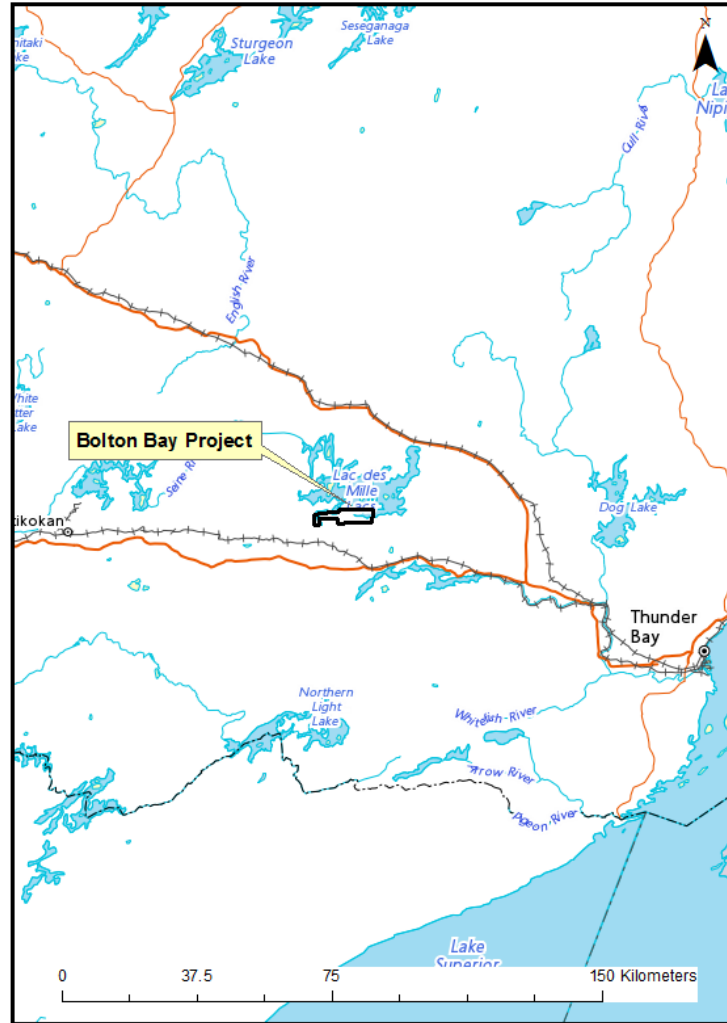


Figure 1. Bolton Bay Project location

Property History *(derived from past assessment reports)*

1928-31: T.L. Tanton mapped portions of the property and reported two gold occurrences north of Bolton Bay on Lac des Mille Lacs (GSC Map 432A, 1938). These two gold occurrences correspond to the occurrences now known as the East and West Zones.

1974: Falconbridge Nickel Mines Ltd. optioned the claim block containing the East and West Zones from D. Galley of Thunder Bay. Falconbridge completed a trenching program followed by 4 drill holes totaling 1857 ft (566.01m). Drill logs indicate two of the holes encountered quartz stockwork zones up to 59 ft (17.98m) in core length and contained up to 3-5% pyrite, minor chalcopyrite, scheelite, and seams of a silvery-grey mineral, possibly arsenopyrite. One of these drill logs reports gold assays of 0.13 oz/t Au over a core length of 23 ft (7.01m) from a hole which appears to have tested the West Zone. The other drill holes reported anomalous gold values over narrow widths and the option was later dropped.

1981-82: Lacana Mining Corporation, as operator of the Canadian Minerals joint venture, staked 62 claims comprising 14 groups in the southern Lac des Mille Lacs area following the release of an Airborne survey. Several strong EM conductors were delineated, some with coincident positive magnetic responses. Follow up work by Lacana included varying amounts of horizontal loop EM, MaxiMin II, horizontal shootback, vertical CEM, and ground magnetics in order to investigate the airborne EM responses. Additional work was recommended but not performed and the claims were allowed to lapse.

1982: Teck Exploration Limited staked 4 claims for the Sulphide Syndicate to cover Input Anomalies 23680C-23710A and 23690A from the OGS airborne survey. The property was located north of the Bolton Bay claim 4282270. Four lines of shootback were run returning negative results followed by no recorded additional work.

1985-88: Canadian Nickel Company Limited (Canico) held a group of 12 contiguous claims covering the known gold occurrences between 1985 and 1988. An exploration program consisting of gridding, geological mapping, trenching and surface geophysics (magnetics, VLF-EM, radiometrics) was completed. The author recommended diamond drilling yet no further work was completed.

1989: Goldbrook Exploration Inc. held 108 claims covering areas currently held by Joe Hackl, or adjacent to the existing claim block. Terraquest carried out airborne magnetic and VLF-EM surveys over the area attempting to delineate several moderate to strong EM conductors. The magnetic data was used to modify and update the existing geology and showed a number of new contacts and faults. Numerous strong VLF-EM conductors were associated with surficial sources, while several are associated with either bedrock or structural sources that were recommended for additional investigation.

1996-98: Green Ice Corporation:

- Prospecting by the vendor in the summer of 1996 resulted in the discovery of new gold occurrences along the western trend of the known occurrences. The new discoveries were called Hackl 1 & 2 Zones. These zones are comprised of quartz and quartz-carbonate breccias and vein stockworks accompanied by pervasive fuchsitic alteration and varying amounts of pyrite. Grab samples obtained from the Hackl 1 Zone returned gold grades up to 10.82g/t Au. Green Ice completed a Phase I exploration program on the property during the summer of 1997. The program consisted of detailed property wide geological mapping, rock sampling, and limited ground geophysical surveys including magnetics and induced polarization (IP). 58.5 line kilometers of wing lines were cut perpendicular to a 10.825 line kilometer, eastwest trending base line to cover Zone 1, Zone 2 and the East and West Zones. A total of 28.026 line kilometers of magnetic data was collected and 7.5 line kilometers of Induced Polarization was completed over the grid. In addition to this work, further sampling was completed on the gold zones discovered in 1996. - During the winter of 1998, Geoserve Canada Inc. of Timmins, Ontario completed 30.15km of line cutting and 14.025 line kilometers of I.P. on the Bolton Bay property. The survey delineated several east-west trending conductive zones as well as several east-west trending resistive zones, some of which are coincident with gold in rock occurrences. This work expanded upon an I.P. survey conducted for Green Ice Corporation Ltd by JVX of Richmond Hill, Ontario during the spring of 1997. - Four drill targets were selected and drilled based upon results obtained from the two surveys and from a prospecting and geological mapping program completed during the summer of 1997. The drill program consisted of four (4), angled diamond drill holes for a total of 448.17 meters. Generally, the results of analysis for gold were low apart from a narrow intersection in diamond drill hole BB-98-03. A sample of a 0.53 meter wide (apparent width) quartz vein assayed 20.37 g/t Au.

2008: Metals Creek Resources conducted reconnaissance prospecting programs to evaluate the property for gold potential. A total of 63 samples were taken over the three prospecting programs and assayed for Au, Ag, and Cu.

2016: Joe Hackl completes 4 days of prospecting and collects 13 samples which were assayed for Au, Pt, Pd, Cu, Ni. 4 samples had gold assays between 1-2g/t.

Regional Geology

The Bolton Bay regional area is underlain by metasedimentary and granitic rocks belonging to the Quetico Subprovince, as well as metavolcanics and mafic to felsic intrusive rocks belonging to the Wabigoon Subprovince of the Archean Superior Province. A major tectonic feature known as the Quetico Fault represents the contact zone and defines the suture between the two subprovinces. The Quetico Fault extends over a known length of over 500km and shows a close spatial association with the Geraldton and Mine Center gold camps east and west of the Bolton Bay property respectively (Campbell and Raven, 1997). This fault has been interpreted to strike east-west across the southern portion of the property underneath Bolton Bay. The metasedimentary group rocks, south of the Quetico fault, consist of biotite-quartz parashist with intraformational conglomerate, banded magnetite iron formations and interbedded, quartzo-feldspathic, polytictic and tuffaceous sedimentary rocks. The metasediments are in gradational and interfingering contact with silicic tuffs belonging to the metavolcanic group. The metavolcanic rocks consist of silicic flow breccia, rhyolite, acid pyroclastic rocks and basaltic lavas that are massive, foliated and pillowed [and] include interbeds of tuff and agglomerate. The metasedimentary and the metavolcanics group rocks are isoclinally folded throughout the region with some outcrops affected by small-scale second folds (Kaye, 1967).

(From Assessment Report: Clark, B. 2017. 2016 Prospecting and Sampling Program on the Bolton Bay Property, Thunder Bay Mining Division, Northwestern Ontario)

Property Geology

The Bolton Bay property is underlain by an east-west trending sequence of mafic pillowed andesite with local basaltic and rhyolitic flows as well as interbedded agglomerate. Gabbroic intrusives along with rarer feldspar porphyry units intrude the metavolcanic sequence. The Quetico Fault is an east-west "break" transecting the southwestern portion of the property and represents the contact between the northern metavolcanic group and the metasedimentary group to the south. Piercey (1997) describes 4 different lithostratigraphic groups within the property which are: 1) mafic to intermediate metavolcanics and volcanoclastics; 2) chloritic schists and mylonites; 3) metasedimentary rocks of the Quetico Subprovince and 4) felsic intrusive rocks. The mafic to intermediate metavolcanics predominate the western part of the Bolton Bay property. Dark green/grey ranging to lighter green/grey coloured massive flows are the dominant form with subordinate dark green/grey pillowed flows ranging from 35-75cm wide and face south. Overall, volcanoclastic rocks are a minor constituent of the property but occur almost exclusively on the western portions of the property in the Clear Lake region primarily as tuffaceous units. The tuffs show pervasive silicification, a distinctive grey-green colouration and well developed layering. Chloritic schists and mylonites occurs across the northern parts of the property and are virtually identical over the length of the claim boundary. Alternating green coloured chlorite and white coloured quartz-rich layers are typical throughout these rocks over most of the property. Areas in exceptionally close proximity to the Quetico Fault display a distinct black to forest green colouration

which contrasts with rocks described above which show a lighter green colour. Metasedimentary Rocks of the Quetico Subprovince outcrop in the south western portion of the claim block. These metasedimentary rocks are fine to medium grained, contain granular quartz, minor feldspar, abundant biotite and muscovite and are pelitic in composition. Foliations present as aligned mica are weakly developed and small rafts of intercalated silicified mafic material are visible within the metasediments that are proximal to the Quetico Fault.

(Derived from Assessment Report: Clark, B. 2017. 2016 Prospecting and Sampling Program on the Bolton Bay Property, Thunder Bay Mining Division, Northwestern Ontario)

2018 Exploration

34 prospecting grab samples were collected sporadically throughout the summer months.

Logging in the area provided new road access to the claims which allowed for mechanical stripping of a number of the historical zones, as recommended in previous reports. Benton hired Ranlyn Enterprises from Shebandowan, ON to complete overburden stripping in 7 locations on the Bolton Bay property using a Hitachi 210 Excavator. The stripping was completed from July 18-25, 2018 and was supervised by Stephen Stares and Nathan Sims of Benton Resources. 137 Channel sampling was completed by A-Star Prospecting of Thunder Bay, ON. All samples were bagged on site and transported by Benton personnel to Activation Laboratories in Thunder Bay, ON where they were pulverized and assayed for gold (Fire assay w atomic absorption finish) as well as multi-element ICP analysis. At the time of report preparation the pulps and rejects of the sampling were still being held at the lab.

Table 1. Trench location with respect to Mining Lands

Trench	Mining Cell(s)	Township	Area Stripped (m ²)
A	261911	Boot Bay Area	37
B	242365	Boot Bay Area	18
C	242364 248960	Boot Bay Area Henderson Lake Area	529
D	33606	Boot Bay Area	156
E	33606	Boot Bay Area	214
F	107151	Boot Bay Area	54
G	107151	Boot Bay Area	93

Trench A

The exposed outcrop has a general North-South foliation/alignment and from East to West the rocks go from massive volcanic to sheared, mineralized volcanic to mineralized meta-gabbro and then back into a massive mafic volcanic unit. Sulphide mineralization is abundant through the centre of the trench, with a number of <10cm 'pods' of sulphide occurring along the sheared contact between the andesite and gabbro – easily seen as rusty stains on the freshly exposed surface. The centre of the outcrop consists of a heavily sheared volcanic (intermediate? Andesite?) and a metamorphosed, silicified gabbro. Both units have disseminated pyrite with localized accumulations. An angular fragment of sheared rock is

surrounded by the gabbro and is flanked by a number of quartz veins and pyrite seams. Quartz veining occurs throughout the sheared rock, parallel to foliation. The map and photos shows the folding or direction change due to shearing that has occurred in this location, which is often distorted more than 90 degrees towards the west (from the general NS orientation of the outcrop).



Figure 2. Trench A (looking east)

Trench B

Minimal overburden, talus material, stripped from small N-S oriented ridge or cliff (shared with Trench A outcrop). The trench contains a very siliceous unit, most likely a felsic intrusive, that is oriented approximately N-S, sub vertical dip and runs mainly along the face of the west facing ridge. The unit is less than 1 metre wide and is capped and flanked by quartz veining up to 5cm wide. The unit is very rusty and contains sections of wall rock which are rich in iron carbonate alteration and contains fine grained disseminated sulphide throughout with some minor localized increases in sulphide. The dyke cuts through a sheared andesite.



Figure 3. Trench B (looking east)

Trench C

The West Zone is the most significant showing on the Bolton Bay project, in terms of size, gold grade and historical work. Gold mineralization is hosted within an intermediate to mafic volcanic unit which has been brecciated or inundated with quartz along pillow or flow margins. The trenching stripped off an area where a number of historical, presumably hand-dug, trenches were located on this brecciated unit. The breccia appears to be 17m wide and approximately 30m along the length was exposed during stripping; the east and west extents are hidden by overburden.

The breccia is composed of andesite fragments often large; up to 2m in length, measured along 280degree elongation of pillows. The pillow remnants are lens shaped and 'floating' in a quartz matrix which has up to 20% sulphide (mainly pyrite, chalcopyrite \pm galena) locally as pods or accumulations. The sulphides within the quartz matrix are easily visible on the outcrop surface as pinky-red rusty stains. The fragments vary, but the overall appearance is that of a dense, sharp fragment (sub-angular) to rounded or deformed breccias. The Q matrix starts to disappear gradually in the last 3m towards the north and south contacts, where it looks more like typical quartz veining/flooding. North and south contacts have a definite increase in sulphide abundance (localized in <10cm occurrences) but there are also 20% sulphide accumulations in the centre/body of the breccias. If quartz event was forceful enough to create these fragments, it is safe to assume gold/metal deposition or formation would have occurred promptly upon exiting a narrower pathway, hence the patterns of mineralization towards the contacts

(cooled first). It is unclear as to how much deformation occurred after the quartz flooding but appears minimal and adjacent rocks are quite massive with little foliation. Quartz is unreliable for structural measurements as it follows the pillowed surfaces.



Figure 4. Trench C "West Zone" (looking NNW). Historic hand-dug pit along southern contact at bottom of photo.



Figure 5. Quartz Breccia at West Zone (Trench C)



Figure 6. Large andesite fragment(s) in Quartz Breccia

Trench D

Trench was designed to investigate a grab sample that assayed 3.07g/t gold (171611 - quartz veins in 2-5" wide sheared carbonate zone, 1%py/ tr Gn and cpy). The trench started at exposed outcrop at the edge of the logging road and extended north approximately 45m (2-4m wide). Overburden increases from nil in the south, to 3-4 metres of sand-dominant till in the northern half. The trench consisted of E-W trending, steep dipping, mafic to intermediate volcanic flows with disseminated pyrite and quartz veining containing pyrite \pm chalcopyrite, with trace galena and arsenopyrite. The middle of the trench has an abundance of green mica (fuchsite or roscoelite) and appears silicified or simply a more intermediate composition. Highlights of channel sampling had composite results of 0.42g/t Au over 7.5m including a single 1m sample grading 1.21g/t Au. Water and mud prevented approximately 5m of this silicified unit to be sampled initially, but was later cut and sent for assay.



Figure 7. Trench D - South half (left), north half (right)

Trench E

The stripping at Trench E was designed to uncover previous gold mineralization at the “Zone 1&2” historical showing. The excavating exposed a mafic-intermediate volcanic that displayed moderate to strong shear fabric in a E-W direction and dips steep to the south. Within the shear fabric were a number of 2-10cm quartz veins that displayed a slight increase in sulphide content from the host which itself was well mineralized up to 5% pyrite. Gold mineralization is related to the quartz veining as the channel sampling and assaying in this trench showed the samples containing vein material to grade up to 968ppb Au.



Figure 8. Trench E. Looking east (left); thin quartz veining in volcanic shear

Trench F

Trench F was somewhat of an afterthought as the target here was a moderately sheared volcanic with quartz veining that had not been sampled previously. The bedrock consisted of a sub E-W foliated mafic with sporadic quartz veining that cross cut fabric as well as ran parallel to. Channel sampling showed weakly anomalous gold with the highest assay being 185ppb Au.



Figure 9. Trench F looking SSE, shearing and quartz veining

Trench G

Trench G was dug in 2-4m of very sandy, yet coarse overburden, again at the edge of the logging road. Unfortunately the trench was not washed therefore exposure was poor. At the southern end of the L-shaped trench the rocks looked like mafic volcanics that were deformed to platy, rusty fragments cross cut by 10cm quartz veining or felsic dyke containing 2-3% sulphide (pyrite). The volcanic itself was silicified and bleached. Two continuous channel samples were anomalous for gold and had composite values of 638ppb over 1.6m.



Figure 10. Trench G looking north (left) and west (right)

Conclusions & Recommendations

The historical work on the Bolton Bay property has proved that gold is anomalous and often abundant throughout the claims. Many of the gold occurrences on the property are associated with sub-metre quartz veins and are non-economic in nature. The West Zone has seen a number of exploration programs try to delineate the gold mineralization but prior to Benton's involvement, outcrop exposure was poor and the zone may not be a linear east-west trending unit as previously thought.

It is recommended that 2-3 holes be drilled at the West Zone using the largest core size possible in hopes of capturing more gold associated with the sulphide accumulations. Previous drill campaigns targeted the West Zone as a linear east-west zone but a vertical hole down the centre of the potential breccia pipe would help to determine the nature of the mineralization. The West Zone should also be tested using a steep dipping hole to the immediate south or north of the outcrop which would capture the better mineralized contacts. The East Zone should be stripped off and prospecting for new showings would also help advance the project. A few reconnaissance lines of soil samples between the East and West Zones may help in determining whether the two are 'connected' but the abundance of sand in the region may prevent soils from being an effective exploration tool.

A budget of \$100-120,000 would be required to complete 4-500m of drilling in 3-4 holes.

References:

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- Thorsen, K. 1982. Report on the Geophysical Surveys on Group AT -11 Boot Bay Area for the Sulphide Syndicate.
- Wells, R.C. 1981. Report on Exploration During 1981 for the Upsala Project, Thunder Bay District, Ontario, Lacana Mining Corporation.

Appendix I - Operational Cells

Appendix II - Assay Certificates

Grab Samples				
Certificate	Total Samples	Within Bolton Bay boundary	Total Invoice	Assessment Amount
A18-06353	17	16	488.89	\$460.13
A18-09333	9	2	265.55	\$59.01
A18-10195	7	2	130.12	\$37.18
A18-09896	8	8	263.97	\$263.97
A18-04895	9	6	326.63	\$217.75
				\$1,038.04

Channel Samples				
A18-10408	140	137	\$3,966.30	\$3,881.31
A18-13315	5	5	141.25	141.25
				\$4,022.56



Date Submitted: 16-Apr-18
Invoice No.: A18-04895
Invoice Date: 30-May-18
Your Reference:

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

ATTN: Clint Barr

CERTIFICATE OF ANALYSIS

9 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 1C-OES-Tbay Fire Assay ICPOES (QOP Fire Assay Tbay)

Code 1E3-Tbay Aqua Regia ICP(AQUAGEO)

REPORT **A18-04895**

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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 is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

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Results

Activation Laboratories Ltd.

Report: A18-04895

Analyte Symbol	Au	Au	Pd	Pt	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga
Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	2	5	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
Method Code	FA-AA	FA-ICP	FA-ICP	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
581171	< 5	< 2	< 5	< 5	0.3	< 0.5	283	311	< 1	154	< 2	31	1.36	< 2	< 10	53	0.9	< 2	1.14	76	309	3.88	< 10
581172	< 5	< 2	< 5	< 5	< 0.2	< 0.5	141	304	< 1	262	3	26	1.25	< 2	< 10	40	< 0.5	< 2	0.73	58	568	3.00	< 10
581173	5	< 2	< 5	< 5	< 0.2	< 0.5	58	1160	< 1	445	< 2	55	0.52	< 2	26	35	< 0.5	< 2	0.82	96	437	8.42	< 10
581174	< 5	< 2	< 5	< 5	< 0.2	< 0.5	28	1120	< 1	281	< 2	53	0.85	< 2	44	21	< 0.5	< 2	0.60	89	504	8.38	< 10
581175	15																						
581176	10																						
581177	5				0.2	< 0.5	163	296	2	6	< 2	41	2.43	4	< 10	18	< 0.5	< 2	0.91	43	5	8.78	10
581178	< 5				< 0.2	< 0.5	100	207	2	3	< 2	18	2.63	7	< 10	23	< 0.5	< 2	1.31	55	13	6.17	20
581179	< 5				< 0.2	< 0.5	43	203	2	2	< 2	10	2.64	13	< 10	33	< 0.5	< 2	2.69	12	16	4.07	20

Results

Activation Laboratories Ltd.

Report: A18-04895

Analyte Symbol	Hg	K	La	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	ppm	ppm
Lower Limit	1	0.01	10	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	AR-ICP	AR-ICP	AR-ICP
581171	< 1	1.13	< 10	4.59	0.045	0.020	0.70	< 2	8	10	0.08	< 20	< 1	< 2	< 10	59	< 10	1	3
581172	< 1	0.94	< 10	3.89	0.032	0.011	0.39	3	5	4	0.07	< 20	< 1	< 2	< 10	44	< 10	1	3
581173	3	0.08	< 10	12.2	0.068	0.014	0.03	5	8	18	0.04	< 20	2	< 2	< 10	34	< 10	1	3
581174	< 1	0.03	< 10	10.7	0.059	0.018	< 0.01	4	7	16	0.04	< 20	< 1	< 2	< 10	43	< 10	1	3
581175																			
581176																			
581177	3	0.17	24	0.73	0.102	0.083	3.38	< 2	7	44	0.19	< 20	5	< 2	< 10	7	< 10	21	41
581178	4	0.17	15	0.32	0.081	0.087	2.81	< 2	6	106	0.26	< 20	1	< 2	< 10	5	< 10	22	40
581179	2	0.27	19	0.24	0.083	0.073	1.20	4	6	113	0.28	< 20	6	< 2	< 10	4	< 10	21	30

Analyte Symbol	Au	Au	Pd	Pt	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga
Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	2	5	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
Method Code	FA-AA	FA-ICP	FA-ICP	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas					0.3	< 0.5	73	1030	1	28	96	129	7.59	225	< 10	652	0.9	< 2	0.13	14	79	5.85	20
GXR-6 Cert					1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0
PK2 Meas		4800	6000	4840																			
PK2 Cert		4790	5918.0 00	4749.0 00																			
PK2 Meas		4540	5560	4400																			
PK2 Cert		4790	5918.0 00	4749.0 00																			
OREAS 904 (Aqua Regia) Meas					0.4	< 0.5	5930	428	2	40	7	25	2.14	92		75	7.4	< 2	0.05	90	26	6.12	< 10
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
OREAS 922 (AQUA REGIA) Meas					0.8	< 0.5	2200	729	< 1	37	62	258	3.09	4		81	0.8	10	0.42	19	44	5.09	< 10
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
OREAS 923 (AQUA REGIA) Meas					1.7	< 0.5	4460	832	< 1	36	79	340	3.07	5		65	0.7	20	0.43	21	41	5.89	10
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
OREAS 254 Meas	2600																						
OREAS 254 Cert	2550																						
OREAS 218 Meas	539																						
OREAS 218 Cert	531																						
581171 Orig	< 5																						
581171 Dup	< 5																						
581173 Orig		< 2	< 5	< 5																			
581173 Dup		< 2	< 5	< 5																			
Method Blank	< 5																						
Method Blank		< 2	< 5	< 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
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

Analyte Symbol	Hg	K	La	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	ppm	ppm
Lower Limit	1	0.01	10	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	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	< 1	1.15	< 10	0.44	0.076	0.034	0.01	4	20	27		< 20	< 1	< 2	< 10	184	< 10	5	8
GXR-6 Cert	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
PK2 Meas																			
PK2 Cert																			
PK2 Meas																			
PK2 Cert																			
OREAS 904 (Aqua Regia) Meas		0.97	42	0.23		0.093	0.05	2	5	19		< 20		< 2	< 10	38		20	
OREAS 904 (Aqua Regia) Cert		0.603	33.9	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		0.51	40	1.41	0.032	0.058	0.39	< 2	4	16		< 20		< 2	< 10	39	< 10	22	12
OREAS 922 (AQUA REGIA) Cert		0.376	32.5	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		0.44	37	1.50		0.057	0.71	< 2	4	15		< 20		< 2	< 10	39	< 10	21	27
OREAS 923 (AQUA REGIA) Cert		0.322	30.0	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 254 Meas																			
OREAS 254 Cert																			
OREAS 218 Meas																			
OREAS 218 Cert																			
581171 Orig																			
581171 Dup																			
581173 Orig																			
581173 Dup																			
Method Blank																			
Method Blank																			
Method Blank	< 1	< 0.01	< 10	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 1	< 0.01	< 10	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Date Submitted: 14-May-18
Invoice No.: A18-06353
Invoice Date: 06-Jun-18
Your Reference:

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

ATTN: Clint Barr

CERTIFICATE OF ANALYSIS

17 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 **A18-06353**

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, somewhat stylized font.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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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	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
171601	15	0.4	< 0.5	128	323	11	54	18	111	2.53	2	< 10	45	0.7	< 2	0.26	22	79	4.45	10	< 1	1.02	22
171602	< 5	0.2	< 0.5	44	607	< 1	43	4	60	1.87	7	< 10	24	< 0.5	< 2	1.31	22	57	6.02	10	< 1	0.06	17
171603	< 5	< 0.2	< 0.5	5	162	1	4	19	11	1.09	17	< 10	82	0.6	< 2	0.27	2	18	1.87	< 10	< 1	0.61	32
171604	6	0.3	0.7	1010	798	1	161	8	259	2.35	10	< 10	< 10	< 0.5	< 2	0.14	35	89	18.1	< 10	< 1	0.11	< 10
171605	354	< 0.2	< 0.5	2	2610	< 1	15	3	16	0.06	4140	< 10	< 10	< 0.5	< 2	> 10.0	5	20	5.66	< 10	< 1	< 0.01	< 10
171606	246	< 0.2	< 0.5	4	3050	< 1	26	< 2	17	0.09	5030	< 10	< 10	< 0.5	3	> 10.0	9	25	6.68	< 10	< 1	< 0.01	< 10
171607	47	< 0.2	< 0.5	20	3300	< 1	38	< 2	18	0.27	1410	< 10	< 10	< 0.5	4	> 10.0	11	45	7.55	< 10	2	0.03	< 10
171608	44	< 0.2	< 0.5	< 1	3460	< 1	19	< 2	19	0.08	1050	< 10	< 10	< 0.5	< 2	> 10.0	5	20	7.12	< 10	1	< 0.01	< 10
171609	404	< 0.2	< 0.5	35	1470	< 1	22	< 2	10	0.14	369	22	< 10	< 0.5	< 2	6.96	12	30	3.95	< 10	< 1	0.01	< 10
171610	272	0.5	< 0.5	12	246	5	9	< 2	91	0.14	23	< 10	10	< 0.5	< 2	0.27	3	44	1.53	< 10	< 1	0.02	< 10
171611	3070	20.4	< 0.5	82	216	6	9	2110	187	0.15	37	< 10	11	< 0.5	31	0.10	3	54	1.31	< 10	< 1	0.02	< 10
171612	89	< 0.2	< 0.5	6	489	4	6	3	15	0.11	61	< 10	14	< 0.5	< 2	0.04	3	50	1.77	< 10	< 1	0.01	< 10
171613	278	< 0.2	0.7	102	1370	1	56	< 2	72	0.87	159	< 10	67	< 0.5	4	1.52	37	55	6.46	< 10	2	0.10	< 10
171614	11	< 0.2	< 0.5	226	3720	< 1	26	< 2	79	0.43	25	< 10	< 10	< 0.5	< 2	6.06	15	16	19.7	< 10	< 1	< 0.01	< 10
171615	< 5	< 0.2	< 0.5	78	1540	< 1	38	< 2	72	1.46	60	< 10	18	< 0.5	< 2	5.56	30	70	5.71	< 10	< 1	0.02	< 10
171616	< 5	< 0.2	< 0.5	53	1520	< 1	142	< 2	160	3.53	74	< 10	28	< 0.5	< 2	4.52	42	231	9.20	< 10	1	0.08	< 10
171617	974	< 0.2	< 0.5	22	283	2	14	< 2	12	0.21	25	< 10	< 10	< 0.5	< 2	1.37	5	51	1.50	< 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
171601	1.28	0.136	0.064	0.63	< 2	10	40	0.08	< 20	< 1	< 2	< 10	76	< 10	9	9
171602	1.10	0.115	0.074	1.73	< 2	6	36	0.44	< 20	10	< 2	< 10	70	< 10	16	54
171603	0.16	0.143	0.122	0.57	< 2	2	44	< 0.01	< 20	< 1	< 2	< 10	11	< 10	8	2
171604	1.41	0.021	0.016	15.2	6	11	< 1	0.18	< 20	< 1	< 2	< 10	73	< 10	4	16
171605	6.59	0.023	0.020	0.24	4	4	25	< 0.01	< 20	< 1	< 2	< 10	15	< 10	10	2
171606	7.42	0.029	0.008	0.32	4	5	28	< 0.01	< 20	< 1	< 2	< 10	19	< 10	12	2
171607	6.95	0.052	0.007	0.35	6	6	30	< 0.01	< 20	< 1	< 2	< 10	24	< 10	12	2
171608	8.22	0.027	0.003	0.04	2	5	30	< 0.01	< 20	< 1	< 2	< 10	21	< 10	12	2
171609	2.88	0.035	0.127	0.58	6	6	16	< 0.01	< 20	< 1	< 2	< 10	13	91	6	2
171610	0.08	0.041	0.002	0.10	3	1	4	< 0.01	< 20	< 1	< 2	< 10	6	< 10	< 1	< 1
171611	0.04	0.086	0.004	0.10	20	< 1	3	< 0.01	< 20	10	< 2	< 10	7	< 10	< 1	< 1
171612	0.01	0.049	0.013	0.06	< 2	< 1	3	< 0.01	< 20	< 1	< 2	< 10	7	< 10	1	6
171613	0.68	0.122	0.031	0.37	2	20	19	< 0.01	< 20	< 1	< 2	< 10	43	< 10	4	2
171614	2.23	0.016	0.028	0.83	6	2	38	< 0.01	< 20	< 1	< 2	< 10	18	< 10	5	8
171615	1.77	0.115	0.031	0.19	< 2	25	56	< 0.01	< 20	< 1	< 2	< 10	188	< 10	5	3
171616	3.31	0.130	0.018	< 0.01	5	27	22	< 0.01	< 20	< 1	< 2	< 10	122	< 10	5	3
171617	0.28	0.072	0.003	0.02	< 2	3	13	< 0.01	< 20	< 1	< 2	< 10	11	< 10	< 1	< 1

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
GXR-6 Meas		0.3	< 0.5	71	1030	2	27	97	128	7.30	230	< 10	662	0.9	< 2	0.13	14	87	6.04	20	5	1.13	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.4	< 0.5	75	1050	2	29	100	129	7.50	238	< 10	667	0.9	< 2	0.13	14	88	6.29	20	3	1.16	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	74	1050	2	27	99	131	7.50	243	< 10	670	0.9	< 2	0.13	14	88	6.26	20	1	1.16	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	0.7	5960	429	2	38	11	25	2.00	88		75	7.4	< 2	0.05	90	27	6.27	< 10		0.93	42
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	6160	432	2	39	9	25	2.06	92		76	7.5	< 2	0.05	90	28	6.43	< 10		0.95	42
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	6100	438	3	38	9	25	2.01	95		76	7.5	< 2	0.05	92	27	6.47	< 10		0.93	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		0.8	< 0.5	2170	732	< 1	38	60	265	2.98	3		82	0.8	6	0.43	19	49	5.30	10		0.51	40
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	2240	754	< 1	38	58	271	3.07	5		83	0.8	7	0.44	19	50	5.49	< 10		0.51	41
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	2220	749	< 1	37	64	266	3.02	6		80	0.8	9	0.44	19	49	5.37	< 10		0.49	41
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	0.7	4450	854	< 1	36	79	342	3.04	5		66	0.7	19	0.45	22	46	6.25	< 10		0.43	38
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		2.7	0.8	4560	886	< 1	37	81	352	3.10	6		67	0.7	25	0.45	22	46	6.36	< 10		0.44	38

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 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	4400	850	< 1	38	80	338	3.02	6		62	0.7	22	0.44	22	46	6.28	< 10		0.42	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 214 Meas	2900																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2880																						
OREAS 214 Cert	3030																						
OREAS 218 Meas	512																						
OREAS 218 Cert	531																						
OREAS 218 Meas	536																						
OREAS 218 Cert	531																						
171606 Orig		< 0.2	< 0.5	4	3060	< 1	26	< 2	18	0.09	5020	< 10	< 10	< 0.5	3	> 10.0	10	25	6.73	< 10	1	< 0.01	< 10
171606 Dup		< 0.2	< 0.5	4	3040	< 1	26	< 2	17	0.09	5030	< 10	< 10	< 0.5	3	> 10.0	9	25	6.62	< 10	< 1	< 0.01	< 10
171610 Orig	277																						
171610 Dup	267																						
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
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
GXR-6 Meas	0.44	0.086	0.036	0.01	5	20	27		< 20	< 1	< 2	< 10	165	< 10	5	9
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.45	0.088	0.037	0.02	4	20	27		< 20	< 1	3	< 10	170	< 10	5	10
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.45	0.089	0.037	0.02	3	20	27		< 20	< 1	3	< 10	169	< 10	5	11
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.22		0.100	0.04	4	5	19		< 20		< 2	< 10	32		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	0.23		0.101	0.05	4	5	20		< 20		< 2	< 10	33		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 904 (Aqua Regia) Meas	0.22		0.101	0.04	4	5	20		< 20		< 2	< 10	32		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	0.064	0.38	2	4	16		< 20		< 2	< 10	36	< 10	22	24
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	1.44	0.036	0.066	0.40	3	4	17		< 20		< 2	< 10	37	< 10	23	22
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	1.42	0.036	0.064	0.39	2	4	17		< 20		< 2	< 10	36	< 10	22	22
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	1.53		0.063	0.70	2	4	15		< 20		< 2	< 10	36	< 10	21	37
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	1.56		0.064	0.72	3	4	15		< 20		< 2	< 10	35	< 10	21	36

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 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	1.53		0.063	0.71	2	4	14		< 20		< 2	< 10	35	< 10	21	34
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 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 218 Meas																
OREAS 218 Cert																
OREAS 218 Meas																
OREAS 218 Cert																
171606 Orig	7.49	0.028	0.008	0.32	4	5	28	< 0.01	< 20	3	< 2	< 10	19	< 10	12	2
171606 Dup	7.34	0.030	0.008	0.31	4	5	27	< 0.01	< 20	< 1	< 2	< 10	19	< 10	12	2
171610 Orig																
171610 Dup																
Method Blank																
Method Blank	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.014	< 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	0.015	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																



Date Submitted: 18-Jul-18
Invoice No.: A18-09333
Invoice Date: 22-Aug-18
Your Reference: 2001-02

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

ATTN: Nathan Sims (Inv)

CERTIFICATE OF ANALYSIS

9 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 **A18-09333**

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 loops and is positioned above 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: A18-09333

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
390310	> 5000	3.0	< 0.5	18	1180	1	77	3	45	1.37	95	< 10	23	< 0.5	< 2	7.19	34	46	6.32	< 10	< 1	0.17	< 10
390311	14	< 0.2	< 0.5	9	291	3	16	< 2	6	0.15	39	< 10	14	< 0.5	< 2	1.02	6	43	1.69	< 10	< 1	0.02	< 10
390312	6	< 0.2	< 0.5	101	407	1	17	< 2	32	1.71	58	< 10	25	< 0.5	< 2	1.74	10	40	2.77	< 10	< 1	0.12	13
390313	< 5	< 0.2	< 0.5	113	801	1	45	< 2	80	2.21	< 2	< 10	13	< 0.5	< 2	1.46	28	61	5.65	< 10	< 1	0.03	13
390314	< 5	< 0.2	< 0.5	4	266	1	< 1	18	23	0.56	< 2	< 10	52	< 0.5	< 2	0.84	< 1	14	0.73	< 10	< 1	0.29	41
390315	< 5	< 0.2	< 0.5	11	872	1	106	6	51	1.59	8	< 10	44	< 0.5	3	2.73	22	82	4.41	< 10	< 1	0.36	12
390316	< 5	< 0.2	< 0.5	134	1720	< 1	39	3	94	3.08	4	< 10	43	< 0.5	< 2	0.92	99	27	11.5	10	1	0.24	< 10
390317	36	< 0.2	< 0.5	10	3360	2	10	< 2	28	0.10	20	< 10	< 10	< 0.5	3	7.77	4	36	6.67	< 10	< 1	< 0.01	< 10
390318	31	0.2	< 0.5	55	6850	< 1	16	< 2	81	0.36	36	< 10	< 10	< 0.5	5	7.13	11	8	24.5	< 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
390310	2.02	0.135	0.002	1.86	4	17	57	< 0.01	< 20	< 1	< 2	< 10	46	< 10	8	3	7.58
390311	0.03	0.051	0.002	0.10	< 2	2	10	< 0.01	< 20	< 1	< 2	< 10	5	< 10	< 1	< 1	
390312	1.05	0.155	0.050	0.14	< 2	5	20	< 0.01	< 20	< 1	< 2	< 10	35	< 10	5	2	
390313	1.64	0.123	0.097	0.48	2	6	19	0.50	< 20	5	< 2	< 10	82	< 10	15	11	
390314	0.12	0.122	0.003	< 0.01	< 2	1	26	< 0.01	< 20	4	< 2	< 10	< 1	< 10	30	38	
390315	1.75	0.050	0.067	0.08	3	8	80	< 0.01	< 20	< 1	< 2	< 10	39	< 10	8	2	
390316	1.68	0.054	0.101	1.37	5	11	4	0.52	< 20	3	< 2	< 10	175	< 10	18	26	
390317	0.89	0.021	0.010	0.23	3	3	21	< 0.01	< 20	3	< 2	< 10	11	< 10	3	3	
390318	1.78	0.019	0.013	0.83	10	2	24	< 0.01	< 20	2	< 2	< 10	17	< 10	4	8	

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	6730	453	2	39	9	26	2.13	96		78	8.1	5	0.05	85	26	6.92	< 10		0.97	45
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	6390	435	3	34	7	25	2.08	93		75	7.7	< 2	0.05	82	25	6.53	< 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 904 (Aqua Regia) Meas		0.3	< 0.5	6640	435	3	36	7	25	2.05	93		74	7.6	3	0.05	95	24	6.55	< 10		0.93	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	6430	414	2	39	7	25	1.82	90		71	7.3	4	0.05	90	25	6.12	< 10		0.84	39
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	6180	400	2	33	7	24	1.83	85		69	6.9	< 2	0.05	87	25	6.13	< 10		0.83	39
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	6350	409	2	34	8	25	1.94	89		72	6.9	< 2	0.05	89	26	6.18	< 10		0.88	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		0.9	< 0.5	2290	751	< 1	34	55	267	3.04	5		77	0.8	3	0.44	17	45	5.53	< 10		0.50	41
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	2300	748	< 1	33	61	268	3.00	7		69	0.8	10	0.44	17	45	5.38	< 10		0.50	40
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	2350	755	< 1	36	53	277	3.06	3		74	0.8	6	0.44	20	44	5.55	< 10		0.49	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		0.8	< 0.5	2340	735	< 1	35	58	263	2.90	6		77	0.8	7	0.42	19	48	5.24	< 10		0.47	39

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
(AQUA REGIA) Meas																							
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	2230	695	< 1	32	57	252	2.74	6		73	0.7	9	0.42	18	46	4.95	< 10		0.44	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		0.7	< 0.5	2270	703	< 1	33	59	260	2.83	3		71	0.7	7	0.42	18	46	5.07	< 10		0.45	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	4590	861	< 1	32	86	353	3.07	5		39	0.7	20	0.44	20	42	6.23	< 10		0.42	39
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	4630	871	< 1	32	79	356	3.12	9		36	0.7	19	0.46	19	43	6.29	< 10		0.44	38
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		1.7	< 0.5	4660	859	< 1	31	81	354	3.06	8		56	0.7	23	0.45	22	41	6.21	< 10		0.42	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		1.5	< 0.5	4550	822	< 1	31	78	339	2.83	7		61	0.7	14	0.42	21	43	5.96	< 10		0.39	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		1.5	< 0.5	4420	802	< 1	31	77	336	2.79	7		59	0.7	18	0.42	21	43	5.81	< 10		0.39	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)		4.3	< 0.5	4560	811	< 1	31	81	340	2.84	5		45	0.6	15	0.42	21	43	5.96	< 10		0.39	35

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
Meas																							
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				2920	1910	54	66	3	24	1.47	127			0.5	< 2	3.16	175	37	15.3	10		0.45	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 216 (Fire Assay) Meas																							
OREAS 216 (Fire Assay) Cert																							
OREAS 229 (Fire Assay) Meas																							
OREAS 229 (Fire Assay) Cert																							
OREAS 217 (Fire Assay) Meas	335																						
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		71.1	304	3900	540	15	31	> 5000	> 10000	1.89	79			0.6	4	1.57	28	37	3.69	10	3	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 621 (Aqua Regia) Meas		71.6	302	3840	542	15	29	> 5000	> 10000	1.93	79			0.6	< 2	1.43	27	33	3.68	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 621 (Aqua Regia) Meas		68.1	274	3730	513	14	24	> 5000	> 10000	1.80	76			0.6	3	1.72	29	29	3.50	10	3	0.37	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		65.8	298	3610	498	14	24	> 5000	> 10000	1.71	72			0.6	< 2	1.59	29	30	3.33	< 10	4	0.36	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		66.1	310	3630	498	13	23	> 5000	> 10000	1.70	73			0.6	< 2	1.28	29	29	3.31	< 10	4	0.35	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		65.3	317	3740	500	13	24	> 5000	> 10000	1.76	72			0.6	< 2	1.68	29	33	3.42	< 10	4	0.36	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	3370																						
OREAS 215 (Fire Assay) Cert	3540																						

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	0.24		0.100	0.05	4	5	21		< 20		< 2	< 10	36		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 904 (Aqua Regia) Meas	0.23		0.095	0.05	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 904 (Aqua Regia) Meas	0.23		0.095	0.04	3	5	20		< 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 904 (Aqua Regia) Meas	0.21		0.097	0.05	2	5	18		< 20		< 2	< 10	33		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 904 (Aqua Regia) Meas	0.20		0.093	0.04	4	4	18		< 20		< 2	< 10	32		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 904 (Aqua Regia) Meas	0.21		0.095	0.04	3	5	18		< 20		< 2	< 10	33		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	1.44	0.034	0.063	0.39	< 2	4	17		< 20		< 2	< 10	38	< 10	23	25	
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	1.40	0.033	0.060	0.38	< 2	4	16		< 20		< 2	< 10	38	< 10	22	19	
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	1.42	0.034	0.061	0.37	3	4	17		< 20		< 2	< 10	36	< 10	23	15	
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	

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 922 (AQUA REGIA) Meas	1.39	0.033	0.065	0.40	< 2	4	16		< 20		< 2	< 10	38	< 10	22	36	
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	1.28	0.033	0.061	0.38	2	4	15		< 20		< 2	< 10	35	< 10	20	30	
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	1.30	0.033	0.059	0.39	< 2	4	15		< 20		< 2	< 10	36	< 10	20	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	1.55		0.060	0.71	< 2	4	15		< 20		< 2	< 10	38	< 10	21	32	
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	1.56		0.060	0.71	2	4	15		< 20		< 2	< 10	38	< 10	22	31	
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		0.059	0.69	3	4	15		< 20		< 2	< 10	35	< 10	21	23	
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	1.47		0.061	0.73	< 2	4	14		< 20		< 2	< 10	36	< 10	20	38	
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	1.39		0.059	0.71	2	4	14		< 20		< 2	< 10	35	< 10	19	37	
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	

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 923 (AQUA REGIA) Meas	1.40		0.058	0.71	< 2	4	14		< 20		< 2	< 10	35	< 10	19	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 520 (Aqua Regia) Meas	1.12	0.067	0.067	0.58	6	11	25	0.14	< 20	4	< 2	< 10	233	23	12	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																	6.70
OREAS 216 (Fire Assay) Cert																	6.66
OREAS 229 (Fire Assay) Meas																	12.0
OREAS 229 (Fire Assay) Cert																	12.1
OREAS 217 (Fire Assay) Meas																	
OREAS 217 (Fire Assay) Cert																	
Oreas 621 (Aqua Regia) Meas	0.49	0.199	0.032	4.79	131	2	18		< 20		< 2	< 10	14	< 10	8	38	
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	0.49	0.198	0.031	4.59	121	2	17		< 20		< 2	< 10	14	< 10	8	31	
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	0.46	0.192	0.031	4.60	106	3	18		< 20		< 2	< 10	12	< 10	8	52	
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	0.45	0.185	0.033	4.84	127	2	17		< 20		< 2	< 10	13	< 10	8	71	
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	0.179	0.032	4.45	118	2	16		< 20		< 2	< 10	13	< 10	7	67	
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	0.192	0.032	4.69	111	2	16		< 20		< 2	< 10	13	< 10	7	47	
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	

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 215 (Fire Assay) Meas																	
OREAS 215 (Fire Assay) Cert																	
390310 Orig																	7.61
390310 Dup																	7.54
390313 Orig																	
390313 Dup																	
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	
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	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.016	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.010	< 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	0.014	< 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	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank																	< 0.03



Date Submitted: 26-Jul-18
Invoice No.: A18-09896
Invoice Date: 28-Aug-18
Your Reference: 2001-02

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

ATTN: Nathan Sims (Inv)

CERTIFICATE OF ANALYSIS

8 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 **A18-09896**

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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", written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

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Results

Activation Laboratories Ltd.

Report: A18-09896

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
390326	13	< 0.2	< 0.5	47	1120	< 1	57	< 2	110	2.41	10	< 10	123	< 0.5	3	1.43	29	47	6.94	< 10	2	0.24	54
390327	39	< 0.2	< 0.5	32	1110	< 1	79	6	22	0.77	196	< 10	52	< 0.5	2	5.17	23	29	6.10	< 10	2	0.08	< 10
390328	> 5000	> 100	0.9	4040	339	4	44	4660	22	0.15	161	< 10	< 10	< 0.5	3970	0.36	44	34	8.77	< 10	< 1	0.04	< 10
390329	> 5000	68.8	0.5	1570	156	4	20	965	12	0.16	230	< 10	< 10	< 0.5	678	0.07	22	40	8.12	< 10	< 1	0.06	< 10
390330	740	> 100	0.8	396	288	8	11	> 5000	21	0.12	20	< 10	12	< 0.5	919	1.47	5	50	1.55	< 10	< 1	0.06	< 10
390331	1400	20.1	< 0.5	1740	176	6	14	114	60	1.19	9	< 10	20	< 0.5	397	0.37	9	45	3.46	< 10	< 1	0.16	11
390332	> 5000	> 100	< 0.5	7870	89	7	4	619	26	0.17	8	< 10	< 10	< 0.5	2270	0.03	2	36	3.75	< 10	< 1	0.03	< 10
390333	1790	0.9	< 0.5	89	1060	< 1	27	4	53	0.53	615	< 10	22	< 0.5	8	4.32	35	8	7.97	< 10	3	0.09	< 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
390326	0.96	0.107	0.355	0.06	4	11	71	< 0.01	< 20	1	< 2	< 10	57	< 10	19	3	
390327	2.02	0.059	0.009	1.39	13	3	15	< 0.01	< 20	< 1	< 2	< 10	30	< 10	4	2	
390328	0.14	0.020	0.011	9.49	28	2	6	< 0.01	< 20	101	< 2	< 10	6	< 10	1	3	20.2
390329	0.04	0.021	0.019	3.70	8	4	4	< 0.01	< 20	29	< 2	< 10	8	< 10	1	3	13.8
390330	0.36	0.033	0.007	0.33	11	1	25	< 0.01	< 20	44	< 2	< 10	4	< 10	1	5	
390331	0.57	0.035	0.070	0.27	3	3	6	< 0.01	< 20	19	< 2	< 10	27	< 10	5	8	
390332	0.06	0.022	0.026	1.22	6	< 1	3	< 0.01	< 20	132	< 2	< 10	4	< 10	1	3	16.1
390333	1.81	0.115	0.015	4.74	5	19	44	< 0.01	< 20	1	< 2	< 10	40	< 10	4	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	6080	420	3	33	8	24	1.86	86		72	7.2	< 2	0.05	86	25	6.15	< 10		0.85	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 904 (Aqua Regia) Meas		0.3	< 0.5	6250	430	2	34	8	25	1.91	91		75	7.4	3	0.05	92	26	6.32	< 10		0.87	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		0.7	< 0.5	2250	725	< 1	33	57	260	2.89	5		79	0.8	5	0.43	20	47	5.28	< 10		0.47	40
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		1.1	< 0.5	2250	735	< 1	34	62	264	2.90	6		79	0.8	5	0.43	19	49	5.32	< 10		0.47	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		1.7	0.6	4270	797	< 1	31	72	324	2.80	7		63	0.7	17	0.41	20	42	5.75	< 10		0.39	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 923 (AQUA REGIA) Meas		1.5	< 0.5	4460	825	< 1	31	81	339	2.89	9		62	0.7	14	0.43	21	44	5.92	< 10		0.39	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 229 (Fire Assay) Meas																							
OREAS 229 (Fire Assay) Cert																							
OREAS 217 (Fire Assay) Meas	351																						
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		65.2	280	3510	503	13	24	> 5000	> 10000	1.70	73			0.6	2	1.67	28	30	3.32	10	4	0.35	19

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 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		66.0	286	3580	504	13	24	> 5000	> 10000	1.75	73			0.6	5	1.68	29	30	3.35	10	4	0.35	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	3640																						
OREAS 215 (Fire Assay) Cert	3540																						
390328 Orig																							
390331 Orig	1350	21.0	< 0.5	1760	177	6	15	115	60	1.20	9	< 10	20	< 0.5	402	0.37	9	46	3.52	< 10	< 1	0.16	11
390331 Dup	1440	19.1	< 0.5	1720	174	6	14	114	60	1.18	10	< 10	21	< 0.5	392	0.36	8	45	3.41	< 10	< 1	0.15	11
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	< 5																						
Method Blank																							
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	5	7	< 1	< 1	< 2	5	< 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		0.096	0.04	4	5	18		< 20		< 2	< 10	33		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 904 (Aqua Regia) Meas	0.21		0.099	0.05	4	5	19		< 20		< 2	< 10	34		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	1.37	0.033	0.064	0.37	< 2	4	16		< 20		< 2	< 10	38	< 10	22	32	
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	1.37	0.035	0.065	0.38	3	4	16		< 20		< 2	< 10	38	< 10	22	33	
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	1.43		0.060	0.65	3	4	14		< 20		< 2	< 10	35	< 10	19	36	
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	1.46		0.061	0.68	3	4	14		< 20		< 2	< 10	36	< 10	20	33	
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																	6.57
OREAS 216 (Fire Assay) Cert																	6.66
OREAS 229 (Fire Assay) Meas																	12.1
OREAS 229 (Fire Assay) Cert																	12.1
OREAS 217 (Fire Assay) Meas																	
OREAS 217 (Fire Assay) Cert																	
Oreas 621 (Aqua Regia) Meas	0.45	0.174	0.034	4.47	123	2	17		< 20		< 2	< 10	13	< 10	8	65	

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 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	0.45	0.181	0.034	4.53	125	2	18		< 20		< 2	< 10	13	< 10	8	66	
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																	
390328 Orig																	20.2
390331 Orig	0.58	0.034	0.070	0.27	3	3	6	< 0.01	< 20	18	< 2	< 10	27	< 10	5	8	
390331 Dup	0.56	0.036	0.069	0.27	4	3	6	< 0.01	< 20	20	< 2	< 10	26	< 10	4	8	
Method Blank																	
Method Blank	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank																	
Method Blank																	< 0.03
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	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	



Date Submitted: 01-Aug-18
Invoice No.: A18-10195
Invoice Date: 21-Aug-18
Your Reference: 2001

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

ATTN: Stephen Stares

CERTIFICATE OF ANALYSIS

7 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A18-10195**

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Notes:

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

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 'M'.

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	ppb
Lower Limit	5
Method Code	FA-AA
390319	7
390320	6
390321	< 5
390322	< 5
390323	38
390324	< 5
390325	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 217 (Fire Assay) Meas	327
OREAS 217 (Fire Assay) Cert	338
OREAS 215 (Fire Assay) Meas	3370
OREAS 215 (Fire Assay) Cert	3540
390323 Orig	38
390323 Dup	37
Method Blank	< 5



Date Submitted: 07-Aug-18
Invoice No.: A18-10408
Invoice Date: 29-Aug-18
Your Reference:

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

ATTN: Stephen Stares

CERTIFICATE OF ANALYSIS

140 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 **A18-10408**

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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 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: A18-10408

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
1123001	222	0.7	< 0.5	170	1150	< 1	130	10	91	2.87	61	< 10	55	< 0.5	6	4.49	39	161	7.69	< 10	2	0.23	< 10
1123002	> 5000	43.2	< 0.5	458	1020	3	115	550	118	2.55	69	< 10	41	< 0.5	665	1.78	40	137	7.76	< 10	2	0.22	< 10
1123003	89	0.5	< 0.5	183	651	2	64	7	76	1.59	28	< 10	40	< 0.5	3	1.73	23	56	4.73	< 10	< 1	0.29	15
1123004	284	0.8	0.6	207	929	3	84	9	88	2.06	43	< 10	50	< 0.5	7	3.31	29	94	5.85	< 10	< 1	0.28	< 10
1123005	870	31.8	0.8	333	785	4	84	251	77	2.00	57	< 10	40	< 0.5	179	3.14	28	89	5.70	< 10	3	0.31	< 10
1123006	98	0.8	< 0.5	163	777	5	80	6	85	2.16	33	< 10	45	< 0.5	4	2.96	26	83	5.45	< 10	< 1	0.32	< 10
1123007	789	0.6	< 0.5	94	765	7	49	7	55	1.29	24	< 10	49	< 0.5	4	2.31	20	67	4.16	< 10	< 1	0.26	< 10
1123008	193	1.2	< 0.5	107	1010	7	92	13	73	1.90	33	< 10	51	< 0.5	9	3.19	33	99	5.95	< 10	< 1	0.25	< 10
1123009	242	0.7	< 0.5	103	992	3	106	6	64	2.19	46	< 10	26	< 0.5	8	3.70	31	121	5.91	< 10	2	0.27	< 10
1123010	248	0.8	< 0.5	194	975	7	107	10	68	2.09	38	< 10	25	< 0.5	4	4.24	33	106	6.35	< 10	2	0.31	< 10
1123011	827	1.8	< 0.5	162	996	4	97	30	77	2.33	47	< 10	45	< 0.5	12	4.33	34	119	6.70	< 10	1	0.31	< 10
1123012	340	1.9	0.7	244	885	6	86	47	85	1.95	29	< 10	53	< 0.5	43	3.31	30	79	6.06	< 10	< 1	0.32	< 10
1123013	93	0.2	< 0.5	188	834	3	83	5	86	1.94	30	< 10	53	< 0.5	< 2	3.25	25	84	5.31	< 10	< 1	0.32	< 10
1123014	47	0.3	< 0.5	167	712	3	72	7	78	2.06	27	< 10	55	< 0.5	< 2	3.07	23	66	5.08	< 10	2	0.37	14
1123015	142	0.4	< 0.5	99	745	7	64	7	60	1.67	25	< 10	27	< 0.5	6	3.54	25	68	5.04	< 10	< 1	0.30	11
1123016	346	3.1	< 0.5	128	590	10	69	59	45	1.11	37	< 10	16	< 0.5	61	3.19	34	67	4.54	< 10	< 1	0.20	< 10
1123017	63	2.5	< 0.5	175	938	4	191	40	116	3.26	94	< 10	37	< 0.5	43	4.35	47	129	7.97	< 10	3	0.26	< 10
1123018	4160	5.1	< 0.5	705	929	2	124	38	81	2.55	69	< 10	27	< 0.5	41	4.75	37	124	6.74	< 10	2	0.27	< 10
1123019	18	0.2	< 0.5	157	1200	1	102	4	83	2.78	63	< 10	67	< 0.5	3	5.07	37	123	7.92	< 10	3	0.28	< 10
1123020	< 5	< 0.2	< 0.5	129	1330	< 1	96	< 2	83	3.22	46	< 10	82	< 0.5	< 2	4.71	37	147	8.35	< 10	2	0.19	< 10
1123021	93	0.6	< 0.5	308	1310	2	131	27	106	3.54	46	< 10	71	< 0.5	8	1.41	41	188	8.58	< 10	2	0.24	< 10
1123022	2280	31.2	0.5	574	998	2	78	399	65	2.29	48	< 10	28	< 0.5	447	4.15	30	131	6.60	< 10	< 1	0.27	< 10
1123023	660	3.5	< 0.5	149	732	6	60	55	64	1.92	42	< 10	33	< 0.5	54	2.93	27	85	5.28	< 10	< 1	0.28	< 10
1123024	61	1.3	< 0.5	96	740	6	71	20	69	1.83	42	< 10	35	< 0.5	16	3.18	26	89	5.21	< 10	< 1	0.21	< 10
1123025	62	0.3	< 0.5	81	670	6	41	4	58	1.48	32	< 10	39	< 0.5	4	3.31	21	47	4.43	< 10	< 1	0.26	13
1123026	77	0.7	< 0.5	110	876	3	73	13	75	2.16	46	< 10	34	< 0.5	16	3.45	32	96	6.44	< 10	< 1	0.22	< 10
1123027	50	0.4	< 0.5	118	831	6	68	11	72	1.94	38	< 10	47	< 0.5	7	3.37	29	89	5.64	< 10	< 1	0.26	< 10
1123028	40	0.4	< 0.5	147	931	3	79	10	88	2.43	37	< 10	53	< 0.5	2	3.01	30	99	6.28	< 10	< 1	0.27	< 10
1123029	77	0.4	< 0.5	95	721	8	49	5	49	1.37	20	< 10	42	< 0.5	< 2	2.87	23	69	4.48	< 10	< 1	0.23	< 10
1123030	628	3.4	< 0.5	323	785	6	67	17	67	1.64	31	< 10	31	< 0.5	9	2.31	26	84	5.12	< 10	< 1	0.24	< 10
1123031	959	26.5	< 0.5	486	858	4	57	360	71	1.65	37	< 10	44	< 0.5	244	3.22	30	54	5.90	< 10	< 1	0.25	< 10
1123032	105	0.7	< 0.5	230	1120	5	107	11	99	2.81	21	< 10	38	< 0.5	7	3.62	38	141	7.96	< 10	2	0.20	< 10
1123033	284	7.6	< 0.5	235	984	5	80	112	68	1.93	36	< 10	36	< 0.5	34	3.41	34	100	6.29	< 10	2	0.24	< 10
1123034	105	1.1	< 0.5	369	1100	3	104	8	81	2.80	16	< 10	30	< 0.5	6	2.85	37	154	6.66	< 10	1	0.18	< 10
1123035	4270	43.6	1.4	577	631	3	39	828	111	1.24	51	< 10	45	< 0.5	312	2.30	22	52	4.49	< 10	< 1	0.22	< 10
1123036	199	0.7	< 0.5	108	515	2	25	17	44	1.10	23	< 10	38	< 0.5	8	2.12	14	21	3.46	< 10	< 1	0.28	17
1123037	12	< 0.2	< 0.5	119	1180	< 1	88	4	80	1.69	24	< 10	60	< 0.5	3	4.95	41	79	5.26	< 10	< 1	0.14	< 10
1123038	355	6.5	< 0.5	492	608	4	42	41	57	0.95	49	< 10	57	< 0.5	92	2.38	21	39	3.40	< 10	< 1	0.28	12
1123039	57	0.6	< 0.5	80	489	2	25	15	62	1.24	18	< 10	48	< 0.5	5	1.76	12	26	3.60	< 10	< 1	0.23	18
1123040	22	< 0.2	0.5	41	2100	< 1	78	2	25	1.21	169	< 10	21	< 0.5	3	9.76	29	155	7.00	< 10	1	0.11	< 10
1123041	17	< 0.2	< 0.5	88	1460	< 1	126	< 2	36	2.25	239	< 10	26	< 0.5	< 2	7.14	44	374	5.84	< 10	2	0.15	< 10
1123042	10	< 0.2	< 0.5	91	1550	< 1	112	< 2	43	2.42	195	< 10	20	< 0.5	2	7.45	39	388	6.55	< 10	4	0.12	< 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
1123043	15	< 0.2	< 0.5	130	1430	< 1	164	< 2	58	3.39	242	< 10	24	< 0.5	< 2	4.93	47	585	8.07	< 10	2	0.11	< 10
1123044	34	< 0.2	< 0.5	157	1240	< 1	156	< 2	63	3.63	270	< 10	27	< 0.5	< 2	4.71	50	604	7.67	10	3	0.17	< 10
1123045	44	< 0.2	< 0.5	167	1220	< 1	193	< 2	72	4.19	224	< 10	26	< 0.5	< 2	3.98	59	666	8.13	10	1	0.15	< 10
1123046	12	< 0.2	< 0.5	125	1240	< 1	188	< 2	75	3.86	266	< 10	31	< 0.5	< 2	3.85	54	662	7.63	10	< 1	0.16	< 10
1123047	14	< 0.2	< 0.5	55	1810	< 1	58	< 2	25	1.59	140	< 10	29	< 0.5	< 2	9.72	25	249	6.26	< 10	3	0.18	< 10
1123048	10	< 0.2	< 0.5	74	1580	< 1	97	< 2	28	1.86	228	< 10	33	< 0.5	3	7.04	47	321	5.41	< 10	< 1	0.15	< 10
1123049	21	< 0.2	< 0.5	54	2060	< 1	20	< 2	21	1.03	54	< 10	14	< 0.5	< 2	> 10.0	8	17	6.20	< 10	1	0.05	< 10
1123050	13	< 0.2	< 0.5	131	1540	< 1	32	< 2	25	3.15	73	< 10	26	< 0.5	< 2	9.06	23	16	5.17	< 10	2	0.12	< 10
1123051	16	< 0.2	< 0.5	66	1570	< 1	25	< 2	23	2.11	68	< 10	27	< 0.5	3	7.86	12	11	5.29	< 10	2	0.15	< 10
1123052	61	< 0.2	< 0.5	61	2110	< 1	46	< 2	44	2.47	511	< 10	26	< 0.5	2	6.42	17	88	7.03	< 10	< 1	0.14	< 10
1123053	30	< 0.2	< 0.5	59	1600	< 1	23	< 2	37	2.04	674	< 10	32	< 0.5	< 2	4.93	8	16	5.31	< 10	1	0.22	< 10
1123054	7	< 0.2	< 0.5	117	1300	< 1	95	< 2	72	4.30	64	< 10	27	< 0.5	5	6.35	37	203	6.20	10	< 1	0.14	< 10
1123055	9	< 0.2	< 0.5	95	1690	< 1	110	< 2	85	4.88	147	< 10	37	< 0.5	< 2	3.20	45	226	6.98	10	2	0.17	< 10
1123056	20	< 0.2	< 0.5	79	2040	< 1	76	< 2	59	4.76	144	< 10	28	< 0.5	3	4.29	30	189	6.17	10	2	0.15	< 10
1123057	94	0.5	< 0.5	49	2260	< 1	60	6	35	2.37	803	< 10	15	< 0.5	< 2	6.70	17	86	8.95	< 10	2	0.08	< 10
1123059	8	< 0.2	< 0.5	49	485	< 1	25	< 2	52	3.14	26	< 10	32	< 0.5	2	2.07	15	23	3.94	< 10	< 1	0.34	12
1123060	< 5	< 0.2	< 0.5	94	1100	< 1	116	< 2	55	2.31	6	< 10	27	< 0.5	2	6.07	39	148	5.45	< 10	2	0.06	< 10
1123061	< 5	< 0.2	< 0.5	92	1270	< 1	120	< 2	49	1.97	3	< 10	26	< 0.5	< 2	6.30	39	132	5.38	< 10	2	0.05	< 10
1123062	8	< 0.2	< 0.5	86	1240	< 1	144	< 2	60	2.13	31	< 10	22	< 0.5	< 2	5.74	40	127	6.11	< 10	1	0.03	< 10
1123063	19	< 0.2	< 0.5	94	1120	< 1	101	< 2	59	1.85	71	< 10	38	< 0.5	< 2	6.09	38	116	5.51	< 10	3	0.13	< 10
1123064	37	< 0.2	< 0.5	101	1230	< 1	110	< 2	52	0.88	154	< 10	28	< 0.5	< 2	6.76	41	70	5.26	< 10	< 1	0.07	< 10
1123065	46	< 0.2	< 0.5	95	1160	< 1	114	< 2	55	1.65	99	< 10	37	< 0.5	< 2	6.47	43	97	5.85	< 10	3	0.08	< 10
1123066	5	< 0.2	0.6	112	1310	< 1	129	< 2	71	2.01	38	< 10	60	< 0.5	< 2	5.65	51	127	6.39	< 10	< 1	0.06	< 10
1123067	< 5	< 0.2	< 0.5	102	1450	< 1	122	< 2	63	1.75	16	< 10	42	< 0.5	< 2	5.27	46	133	6.09	< 10	< 1	0.03	< 10
1123068	< 5	< 0.2	< 0.5	112	1630	< 1	148	< 2	64	2.13	26	< 10	33	< 0.5	3	4.94	49	134	6.53	< 10	2	0.05	< 10
1123069	< 5	< 0.2	< 0.5	165	1620	< 1	122	< 2	95	4.71	4	< 10	19	< 0.5	< 2	4.16	45	169	8.66	10	2	0.03	< 10
1123070	10	< 0.2	< 0.5	205	1840	< 1	159	< 2	73	1.64	57	< 10	32	< 0.5	< 2	4.17	44	84	6.98	< 10	2	0.06	< 10
1123071	6	< 0.2	< 0.5	115	1500	< 1	74	2	88	1.39	78	< 10	42	< 0.5	< 2	2.02	29	45	6.06	< 10	< 1	0.08	13
1123072	8	< 0.2	< 0.5	160	1760	< 1	61	3	76	0.93	149	< 10	42	< 0.5	< 2	4.67	39	40	6.65	< 10	2	0.09	< 10
1123073	51	< 0.2	< 0.5	190	1260	< 1	78	< 2	73	1.78	138	< 10	28	< 0.5	< 2	5.59	40	92	7.32	< 10	3	0.05	< 10
1123074	253	0.3	< 0.5	193	1800	< 1	83	2	80	0.80	195	< 10	20	< 0.5	< 2	3.87	52	38	6.90	< 10	1	0.10	< 10
1123075	45	< 0.2	< 0.5	166	2240	< 1	73	< 2	82	0.66	167	< 10	24	< 0.5	< 2	2.59	43	32	7.93	< 10	< 1	0.10	11
1123076	90	0.2	< 0.5	158	2160	< 1	70	3	79	0.80	167	< 10	20	< 0.5	2	4.36	39	26	7.41	< 10	1	0.14	< 10
1123077	352	< 0.2	< 0.5	183	1890	< 1	64	< 2	71	0.64	128	< 10	17	< 0.5	< 2	5.73	33	26	7.12	< 10	< 1	0.07	< 10
1123078	1210	< 0.2	0.7	157	1870	< 1	66	< 2	70	0.67	200	< 10	17	< 0.5	< 2	5.97	36	35	6.85	< 10	1	0.04	< 10
1123079	7	< 0.2	0.5	192	1590	< 1	79	< 2	84	2.06	110	< 10	13	< 0.5	< 2	5.44	39	128	7.70	< 10	1	0.03	< 10
1123080	825	< 0.2	< 0.5	183	1490	< 1	89	< 2	64	1.11	197	< 10	11	< 0.5	< 2	6.05	43	47	6.92	< 10	< 1	0.04	< 10
1123081	134	0.3	0.6	141	1610	< 1	106	< 2	54	0.79	137	< 10	13	< 0.5	< 2	5.97	45	34	5.88	< 10	< 1	0.04	< 10
1123082	136	< 0.2	< 0.5	170	2100	< 1	85	< 2	60	0.82	140	< 10	14	< 0.5	< 2	6.34	36	34	6.28	< 10	2	0.05	< 10
1123083	343	0.4	0.7	155	1480	< 1	81	< 2	65	1.42	108	< 10	14	< 0.5	< 2	5.54	33	78	6.76	< 10	2	0.05	< 10
1123084	21	< 0.2	< 0.5	92	1590	< 1	125	< 2	47	1.23	132	< 10	19	< 0.5	< 2	5.97	32	94	5.67	< 10	< 1	0.03	< 10
1123085	13	< 0.2	< 0.5	96	1810	< 1	115	< 2	40	1.62	26	< 10	15	< 0.5	< 2	6.32	28	134	6.73	< 10	2	0.02	< 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
1123086	< 5	< 0.2	< 0.5	111	2140	< 1	164	< 2	63	2.34	29	< 10	23	< 0.5	< 2	4.00	40	195	7.54	< 10	< 1	0.02	< 10
1123087	< 5	< 0.2	< 0.5	106	2450	< 1	182	< 2	60	2.34	17	< 10	37	< 0.5	< 2	2.23	45	200	7.00	< 10	< 1	0.02	< 10
1123088	< 5	< 0.2	< 0.5	92	1390	< 1	163	< 2	56	4.12	< 2	< 10	22	< 0.5	< 2	4.15	40	276	6.16	< 10	< 1	0.02	< 10
1123089	8	< 0.2	0.7	124	1140	< 1	84	< 2	63	1.32	74	< 10	17	< 0.5	< 2	4.90	35	115	7.42	< 10	1	0.05	< 10
1123090	968	0.3	< 0.5	97	1250	< 1	30	< 2	76	1.13	332	< 10	32	< 0.5	< 2	3.10	38	9	8.50	< 10	3	0.08	11
1123091	11	< 0.2	< 0.5	115	1270	< 1	34	< 2	91	2.46	67	< 10	32	< 0.5	< 2	3.66	42	4	9.10	< 10	4	0.08	10
1123092	181	< 0.2	< 0.5	136	1190	< 1	85	< 2	66	2.01	111	< 10	20	< 0.5	< 2	4.75	36	111	7.70	< 10	2	0.06	< 10
1123093	156	< 0.2	< 0.5	243	1240	< 1	27	< 2	92	1.33	174	< 10	17	< 0.5	< 2	4.78	38	4	8.26	< 10	< 1	0.08	< 10
1123094	11	< 0.2	< 0.5	102	1370	< 1	90	< 2	82	1.90	50	< 10	19	< 0.5	3	5.35	38	120	6.70	< 10	< 1	0.02	< 10
1123095	< 5	< 0.2	< 0.5	127	1310	< 1	87	< 2	56	2.13	28	< 10	17	< 0.5	< 2	5.17	38	166	6.59	< 10	1	0.03	< 10
1123096	17	< 0.2	< 0.5	133	1220	< 1	88	< 2	48	1.88	32	< 10	23	< 0.5	< 2	4.80	36	130	6.90	< 10	< 1	0.03	< 10
1123097	113	< 0.2	0.6	164	1400	< 1	95	< 2	78	2.38	104	< 10	18	< 0.5	< 2	4.19	42	115	8.97	< 10	< 1	0.04	< 10
1123098	5	< 0.2	0.5	94	1170	< 1	84	< 2	68	1.62	31	< 10	16	< 0.5	< 2	5.12	36	122	5.66	< 10	2	0.02	< 10
1123099	< 5	< 0.2	0.6	105	1460	< 1	90	< 2	79	2.19	4	< 10	28	< 0.5	< 2	4.79	38	172	6.74	< 10	3	0.03	< 10
1123100	< 5	< 0.2	< 0.5	104	1180	< 1	99	< 2	41	2.47	9	< 10	27	< 0.5	< 2	4.36	41	200	6.69	< 10	2	0.03	< 10
1123101	< 5	< 0.2	< 0.5	103	1410	< 1	97	< 2	61	2.83	8	< 10	22	< 0.5	< 2	3.82	40	190	7.17	< 10	3	0.03	< 10
1123102	< 5	< 0.2	< 0.5	99	1260	< 1	87	< 2	55	2.17	10	< 10	18	< 0.5	< 2	5.67	35	149	6.17	< 10	1	0.03	< 10
1123103	9	< 0.2	< 0.5	109	1320	< 1	93	< 2	64	2.33	70	< 10	24	< 0.5	< 2	4.76	41	139	6.77	< 10	< 1	0.09	< 10
1123104	5	< 0.2	< 0.5	108	1280	< 1	94	< 2	60	2.42	44	< 10	25	< 0.5	< 2	4.66	39	163	6.59	< 10	1	0.08	< 10
1123105	< 5	< 0.2	< 0.5	104	1300	< 1	94	< 2	66	2.75	14	< 10	18	< 0.5	< 2	5.38	40	172	7.13	< 10	1	0.03	< 10
1123106	< 5	< 0.2	< 0.5	110	1270	< 1	95	< 2	67	2.84	12	< 10	21	< 0.5	< 2	5.49	38	179	6.89	< 10	2	0.05	< 10
1123107	178	< 0.2	0.7	117	1400	< 1	103	< 2	66	2.45	43	< 10	38	< 0.5	< 2	4.02	41	153	7.24	< 10	< 1	0.06	< 10
1123108	6	< 0.2	< 0.5	122	1230	< 1	98	< 2	63	2.19	24	< 10	24	< 0.5	3	4.95	41	149	6.42	< 10	1	0.04	< 10
1123109	< 5	< 0.2	< 0.5	110	1170	< 1	89	< 2	52	1.81	24	< 10	19	< 0.5	3	6.01	38	125	5.63	< 10	1	0.03	< 10
1123110	< 5	< 0.2	< 0.5	44	1080	1	52	< 2	109	2.60	< 2	< 10	121	< 0.5	3	4.12	26	54	7.08	10	3	0.14	49
1123111	12	< 0.2	< 0.5	28	865	< 1	37	< 2	99	2.68	4	< 10	172	< 0.5	< 2	3.36	23	26	6.66	< 10	< 1	0.24	51
1123112	38	< 0.2	< 0.5	37	1020	< 1	40	2	113	3.12	8	< 10	223	0.7	< 2	4.42	24	24	7.41	10	< 1	0.36	59
1123113	10	< 0.2	< 0.5	37	1070	< 1	40	< 2	144	2.75	8	< 10	163	0.6	< 2	3.09	28	27	7.84	< 10	3	0.25	48
1123114	11	< 0.2	< 0.5	58	268	< 1	40	3	43	1.21	18	< 10	110	< 0.5	2	0.61	20	18	3.50	< 10	< 1	0.28	31
1123115	< 5	< 0.2	< 0.5	33	813	< 1	40	< 2	82	2.99	5	< 10	75	< 0.5	< 2	2.95	23	43	6.68	10	2	0.10	53
1123116	151	< 0.2	< 0.5	55	792	< 1	42	4	109	1.39	200	< 10	105	< 0.5	2	4.27	23	15	6.31	< 10	1	0.33	33
1123117	62	< 0.2	< 0.5	45	707	< 1	40	< 2	76	1.43	136	< 10	105	< 0.5	< 2	2.72	23	14	5.33	< 10	< 1	0.33	39
1123118	185	< 0.2	< 0.5	52	786	< 1	40	7	59	0.96	283	< 10	91	< 0.5	3	3.21	19	10	5.24	< 10	< 1	0.35	19
1123119	64	< 0.2	< 0.5	37	584	< 1	34	3	65	1.10	78	< 10	39	< 0.5	< 2	2.53	17	21	3.87	< 10	< 1	0.11	15
1123120	< 5	< 0.2	< 0.5	28	620	< 1	42	< 2	69	2.00	6	< 10	88	< 0.5	< 2	2.87	18	43	4.79	< 10	< 1	0.23	20
1123121	6	< 0.2	< 0.5	130	890	< 1	62	< 2	113	1.88	16	< 10	79	< 0.5	< 2	4.01	24	56	5.71	< 10	< 1	0.21	30
1123122	110	< 0.2	< 0.5	65	900	< 1	53	< 2	89	1.91	43	< 10	38	< 0.5	3	4.58	28	45	6.92	< 10	1	0.13	15
1123123	55	< 0.2	< 0.5	60	838	< 1	35	11	81	0.84	152	< 10	51	< 0.5	< 2	4.37	20	22	5.26	< 10	< 1	0.21	14
1123124	< 5	< 0.2	< 0.5	49	854	< 1	37	5	102	1.69	72	< 10	104	< 0.5	4	1.20	23	20	5.73	< 10	2	0.38	26
1123125	44	< 0.2	< 0.5	34	672	< 1	28	7	70	1.28	29	< 10	57	< 0.5	< 2	2.50	16	19	4.28	< 10	< 1	0.21	17
1123126	774	0.3	< 0.5	95	1390	< 1	64	< 2	65	2.22	626	< 10	20	< 0.5	< 2	4.67	40	53	9.37	< 10	< 1	0.07	< 10
1123127	464	1.1	< 0.5	170	2220	< 1	89	2	29	0.34	1460	21	< 10	< 0.5	< 2	7.99	26	66	6.86	< 10	1	0.04	< 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
1123128	12	0.2	< 0.5	107	1500	< 1	237	< 2	49	4.38	449	< 10	14	< 0.5	< 2	5.39	43	459	8.39	10	3	0.07	< 10
1123129	16	0.3	< 0.5	100	1520	< 1	226	< 2	49	3.88	341	< 10	12	< 0.5	< 2	5.77	40	482	7.56	10	< 1	0.05	< 10
1123130	47	< 0.2	0.8	7	2100	< 1	24	< 2	14	0.07	544	< 10	< 10	< 0.5	3	> 10.0	10	32	5.62	< 10	< 1	< 0.01	< 10
1123131	31	< 0.2	< 0.5	4	2030	< 1	20	< 2	13	0.18	196	< 10	< 10	< 0.5	3	> 10.0	6	29	6.41	< 10	1	< 0.01	< 10
1123132	18	< 0.2	< 0.5	16	2020	< 1	124	< 2	39	2.59	463	< 10	< 10	< 0.5	< 2	8.44	27	366	7.73	< 10	2	0.02	< 10
1123133	8	< 0.2	< 0.5	111	1190	< 1	238	< 2	82	5.42	257	< 10	< 10	< 0.5	< 2	4.68	50	514	10.1	10	3	0.02	< 10
1123134	9	< 0.2	< 0.5	134	945	< 1	211	< 2	79	6.16	165	< 10	< 10	< 0.5	< 2	3.70	55	456	9.69	10	2	0.03	< 10
1123135	10	< 0.2	< 0.5	112	1540	1	193	< 2	53	4.36	176	< 10	19	< 0.5	3	5.44	42	322	6.82	10	2	0.12	< 10
1123136	10	< 0.2	0.5	107	1410	< 1	233	< 2	43	4.90	208	< 10	11	< 0.5	< 2	5.16	64	556	8.86	10	< 1	0.04	< 10
1123137	9	< 0.2	< 0.5	81	1560	< 1	127	< 2	52	3.88	208	< 10	14	< 0.5	< 2	6.87	36	243	8.90	10	1	0.10	< 10
390354	< 5	< 0.2	< 0.5	115	400	4	41	5	47	2.04	3	< 10	133	0.6	< 2	1.10	15	121	3.30	< 10	< 1	0.76	25
390355	< 5	< 0.2	< 0.5	45	388	2	33	7	37	2.16	< 2	< 10	147	0.7	< 2	1.12	11	104	2.51	< 10	< 1	0.73	14
390356	< 5	< 0.2	< 0.5	18	851	< 1	2	8	88	1.31	< 2	< 10	58	1.3	< 2	1.68	14	5	4.42	< 10	< 1	0.64	73
1123058	47	0.3	< 0.5	51	1330	< 1	28	4	39	2.98	426	< 10	33	< 0.5	4	3.15	14	26	5.97	< 10	2	0.21	< 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
1123001	3.11	0.062	0.026	0.18	3	13	36	< 0.01	< 20	< 1	< 2	< 10	97	< 10	4	3	
1123002	1.98	0.041	0.039	0.67	5	12	19	< 0.01	< 20	16	< 2	< 10	80	< 10	4	4	6.43
1123003	1.12	0.052	0.062	0.84	3	7	21	< 0.01	< 20	< 1	< 2	< 10	41	< 10	6	13	
1123004	2.05	0.047	0.052	0.73	3	10	38	< 0.01	< 20	< 1	< 2	< 10	60	< 10	5	12	
1123005	2.10	0.049	0.045	1.49	3	9	42	< 0.01	< 20	15	< 2	< 10	50	< 10	5	13	
1123006	2.09	0.056	0.059	0.93	2	9	41	< 0.01	< 20	< 1	< 2	< 10	55	13	5	14	
1123007	1.30	0.049	0.035	1.00	2	7	31	< 0.01	< 20	< 1	< 2	< 10	35	< 10	4	10	
1123008	2.20	0.042	0.034	1.33	2	10	41	< 0.01	< 20	< 1	< 2	< 10	56	< 10	4	5	
1123009	2.60	0.044	0.025	0.69	3	12	41	< 0.01	< 20	< 1	< 2	< 10	61	< 10	4	4	
1123010	2.81	0.044	0.037	1.71	3	11	51	< 0.01	< 20	< 1	< 2	< 10	61	< 10	5	7	
1123011	2.93	0.046	0.028	1.09	3	13	51	< 0.01	< 20	1	< 2	< 10	68	< 10	4	4	
1123012	2.02	0.052	0.036	1.45	5	11	40	< 0.01	< 20	< 1	2	< 10	67	< 10	4	8	
1123013	2.05	0.058	0.043	0.81	3	10	40	< 0.01	< 20	< 1	< 2	< 10	56	< 10	4	13	
1123014	1.85	0.073	0.060	0.70	< 2	8	40	< 0.01	< 20	< 1	< 2	< 10	49	< 10	6	15	
1123015	2.01	0.046	0.052	1.05	3	8	47	< 0.01	< 20	< 1	< 2	< 10	45	< 10	5	14	
1123016	1.59	0.039	0.016	1.79	3	6	40	< 0.01	< 20	3	< 2	< 10	36	116	3	4	
1123017	3.77	0.045	0.025	1.08	5	14	52	< 0.01	< 20	< 1	< 2	< 10	94	13	4	3	
1123018	3.32	0.047	0.020	0.98	3	12	51	< 0.01	< 20	< 1	< 2	< 10	78	< 10	4	3	
1123019	3.20	0.058	0.027	0.57	3	15	41	< 0.01	< 20	< 1	< 2	< 10	100	< 10	4	3	
1123020	3.04	0.103	0.031	0.08	4	16	33	< 0.01	< 20	< 1	< 2	< 10	133	< 10	4	2	
1123021	2.32	0.058	0.032	0.11	3	17	19	< 0.01	< 20	< 1	< 2	< 10	141	< 10	6	3	
1123022	2.67	0.044	0.022	0.58	5	13	47	< 0.01	< 20	13	< 2	< 10	74	< 10	4	3	
1123023	1.92	0.047	0.040	0.74	4	9	38	< 0.01	< 20	3	< 2	< 10	57	< 10	4	8	
1123024	2.15	0.039	0.029	0.73	3	9	43	< 0.01	< 20	< 1	< 2	< 10	57	< 10	4	8	
1123025	1.64	0.042	0.076	0.59	2	6	43	< 0.01	< 20	< 1	< 2	< 10	34	< 10	6	10	
1123026	2.41	0.036	0.030	1.11	4	11	44	< 0.01	< 20	< 1	2	< 10	74	< 10	4	5	
1123027	2.20	0.039	0.043	0.93	< 2	9	44	< 0.01	< 20	2	< 2	< 10	56	< 10	4	7	
1123028	2.44	0.035	0.064	0.74	3	11	41	< 0.01	< 20	< 1	< 2	< 10	64	< 10	5	9	
1123029	1.62	0.039	0.050	1.14	2	7	40	< 0.01	< 20	2	< 2	< 10	40	< 10	4	8	
1123030	1.59	0.036	0.059	0.71	2	8	29	< 0.01	< 20	2	< 2	< 10	43	13	5	8	
1123031	1.80	0.040	0.072	1.37	< 2	9	42	< 0.01	< 20	5	< 2	< 10	48	32	6	11	
1123032	2.70	0.051	0.037	0.62	4	14	37	< 0.01	< 20	< 1	< 2	< 10	101	< 10	5	5	
1123033	2.17	0.037	0.031	1.21	3	11	41	< 0.01	< 20	< 1	< 2	< 10	62	11	4	5	
1123034	2.01	0.050	0.029	0.70	< 2	14	23	< 0.01	< 20	< 1	< 2	< 10	106	< 10	7	3	
1123035	1.18	0.059	0.037	1.07	4	6	34	< 0.01	< 20	15	< 2	< 10	31	51	4	21	
1123036	0.93	0.073	0.062	0.55	< 2	4	33	< 0.01	< 20	3	< 2	< 10	20	< 10	6	16	
1123037	2.26	0.194	0.030	0.08	3	16	47	< 0.01	< 20	6	< 2	< 10	68	< 10	2	3	
1123038	0.97	0.076	0.048	0.51	3	5	34	< 0.01	< 20	1	< 2	< 10	25	29	5	15	
1123039	0.89	0.093	0.057	0.21	2	4	28	< 0.01	< 20	3	< 2	< 10	26	11	5	11	
1123040	4.86	0.081	0.009	0.62	5	9	30	< 0.01	< 20	< 1	< 2	< 10	45	< 10	12	4	
1123041	4.04	0.107	0.011	0.43	5	13	22	< 0.01	< 20	< 1	< 2	< 10	84	< 10	5	2	

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
1123042	4.72	0.083	0.012	0.29	6	13	23	< 0.01	< 20	< 1	< 2	< 10	86	< 10	5	2	
1123043	4.14	0.068	0.018	0.32	5	17	15	< 0.01	< 20	< 1	< 2	< 10	125	< 10	5	3	
1123044	4.07	0.095	0.017	0.40	6	19	15	< 0.01	< 20	< 1	< 2	< 10	127	< 10	4	3	
1123045	4.36	0.091	0.016	0.39	6	21	13	< 0.01	< 20	< 1	< 2	< 10	146	< 10	4	3	
1123046	3.91	0.098	0.017	0.17	6	19	14	< 0.01	< 20	< 1	< 2	< 10	134	< 10	4	3	
1123047	5.59	0.111	0.004	0.21	4	10	27	< 0.01	< 20	< 1	< 2	< 10	57	< 10	5	2	
1123048	3.75	0.102	0.011	0.21	3	13	27	< 0.01	< 20	2	< 2	< 10	69	< 10	5	2	
1123049	6.23	0.043	0.013	0.27	3	5	41	< 0.01	< 20	< 1	< 2	< 10	32	< 10	10	5	
1123050	4.67	0.087	0.032	0.19	4	12	50	< 0.01	< 20	< 1	< 2	< 10	83	< 10	8	8	
1123051	4.18	0.118	0.030	0.40	3	6	31	< 0.01	< 20	< 1	< 2	< 10	40	< 10	10	10	
1123052	4.00	0.084	0.016	1.63	6	12	23	< 0.01	< 20	< 1	< 2	< 10	79	< 10	8	9	
1123053	3.00	0.137	0.040	1.05	6	8	18	< 0.01	< 20	< 1	< 2	< 10	52	< 10	6	16	
1123054	3.59	0.119	0.019	0.11	3	19	27	< 0.01	< 20	< 1	< 2	< 10	113	< 10	5	3	
1123055	3.50	0.102	0.023	0.08	5	17	20	< 0.01	< 20	< 1	< 2	< 10	118	< 10	8	3	
1123056	4.58	0.073	0.017	0.16	< 2	17	18	< 0.01	< 20	< 1	< 2	< 10	120	< 10	9	5	
1123057	4.32	0.047	0.028	3.68	17	11	26	< 0.01	< 20	1	< 2	< 10	90	< 10	5	10	
1123059	1.96	0.112	0.055	0.12	3	4	17	0.03	< 20	< 1	< 2	< 10	44	< 10	5	16	
1123060	3.70	0.203	0.020	0.05	< 2	21	32	< 0.01	< 20	< 1	< 2	< 10	82	< 10	3	2	
1123061	3.65	0.168	0.022	0.05	3	20	34	< 0.01	< 20	2	< 2	< 10	69	< 10	3	2	
1123062	3.67	0.099	0.019	0.06	3	20	29	< 0.01	< 20	2	< 2	< 10	74	< 10	2	2	
1123063	3.15	0.202	0.020	0.10	2	20	49	< 0.01	< 20	< 1	< 2	< 10	64	< 10	3	2	
1123064	2.99	0.084	0.020	0.18	2	18	60	< 0.01	< 20	< 1	< 2	< 10	41	< 10	3	2	
1123065	3.38	0.178	0.021	0.40	4	19	46	< 0.01	< 20	< 1	< 2	< 10	57	< 10	3	2	
1123066	3.19	0.184	0.023	0.16	2	21	29	< 0.01	< 20	< 1	< 2	< 10	70	< 10	3	3	
1123067	2.71	0.178	0.025	0.13	3	21	24	< 0.01	< 20	< 1	< 2	< 10	69	< 10	2	2	
1123068	2.13	0.183	0.022	0.09	3	19	24	< 0.01	< 20	3	< 2	< 10	71	< 10	2	2	
1123069	2.83	0.150	0.023	0.21	3	28	26	< 0.01	< 20	< 1	< 2	< 10	192	< 10	2	3	
1123070	0.99	0.179	0.026	0.03	3	28	19	< 0.01	< 20	< 1	< 2	< 10	89	< 10	3	2	
1123071	0.45	0.148	0.045	0.02	3	18	12	< 0.01	< 20	< 1	< 2	< 10	49	< 10	5	11	
1123072	1.13	0.128	0.033	0.06	4	20	22	< 0.01	< 20	< 1	< 2	< 10	45	< 10	3	4	
1123073	2.53	0.120	0.025	0.05	2	28	29	< 0.01	< 20	< 1	< 2	< 10	93	285	4	2	
1123074	0.90	0.138	0.024	0.28	3	24	20	< 0.01	< 20	< 1	< 2	< 10	43	25	6	2	
1123075	1.07	0.080	0.027	0.35	3	26	25	< 0.01	< 20	< 1	< 2	< 10	35	< 10	7	3	
1123076	1.42	0.140	0.024	1.00	3	24	35	< 0.01	< 20	1	< 2	< 10	38	< 10	5	2	
1123077	2.10	0.154	0.023	0.91	3	26	32	< 0.01	< 20	< 1	< 2	< 10	35	< 10	4	2	
1123078	2.11	0.155	0.026	0.93	4	25	28	< 0.01	< 20	1	< 2	< 10	40	< 10	4	2	
1123079	2.77	0.152	0.023	0.15	3	30	21	< 0.01	< 20	< 1	< 2	< 10	119	< 10	3	2	
1123080	2.66	0.165	0.024	0.99	3	28	28	< 0.01	< 20	< 1	< 2	< 10	59	< 10	3	2	
1123081	2.66	0.146	0.015	1.82	2	25	31	< 0.01	< 20	< 1	< 2	< 10	42	12	3	2	
1123082	2.53	0.157	0.023	1.39	< 2	25	30	< 0.01	< 20	< 1	< 2	< 10	45	< 10	3	2	
1123083	2.54	0.129	0.033	0.60	3	24	30	< 0.01	< 20	< 1	< 2	< 10	74	< 10	4	2	
1123084	2.59	0.162	0.015	0.05	2	21	18	< 0.01	< 20	2	< 2	< 10	45	< 10	3	2	

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
1123085	2.82	0.138	0.011	0.17	3	20	16	< 0.01	< 20	< 1	< 2	< 10	66	< 10	3	2	
1123086	1.86	0.124	0.016	0.27	3	26	13	< 0.01	< 20	< 1	< 2	< 10	96	< 10	5	2	
1123087	2.00	0.094	0.017	0.05	< 2	29	9	< 0.01	< 20	< 1	< 2	< 10	100	< 10	5	2	
1123088	3.66	0.122	0.014	0.02	2	25	15	< 0.01	< 20	< 1	< 2	< 10	129	< 10	2	2	
1123089	2.73	0.123	0.021	0.14	< 2	28	38	< 0.01	< 20	< 1	< 2	< 10	71	< 10	4	2	
1123090	1.37	0.116	0.029	2.08	5	21	31	< 0.01	< 20	< 1	< 2	< 10	59	< 10	6	11	
1123091	1.90	0.116	0.037	0.25	3	24	31	< 0.01	< 20	< 1	4	< 10	93	< 10	6	8	
1123092	2.06	0.161	0.021	0.10	4	30	36	< 0.01	< 20	< 1	< 2	< 10	92	< 10	5	2	
1123093	1.76	0.121	0.035	0.88	5	21	40	< 0.01	< 20	1	< 2	< 10	66	< 10	5	9	
1123094	2.93	0.158	0.023	0.13	3	31	29	< 0.01	< 20	< 1	< 2	< 10	79	< 10	3	2	
1123095	3.38	0.109	0.020	0.04	4	28	22	< 0.01	< 20	< 1	< 2	< 10	109	< 10	2	2	
1123096	2.67	0.139	0.022	0.04	2	29	24	< 0.01	< 20	< 1	< 2	< 10	94	< 10	2	3	
1123097	2.21	0.130	0.022	0.25	5	34	28	< 0.01	< 20	< 1	< 2	< 10	103	< 10	5	3	
1123098	2.84	0.134	0.021	0.10	< 2	27	24	< 0.01	< 20	< 1	< 2	< 10	74	< 10	2	2	
1123099	3.08	0.108	0.020	0.03	3	29	22	< 0.01	< 20	< 1	< 2	< 10	116	< 10	2	2	
1123100	3.21	0.121	0.022	< 0.01	2	30	20	< 0.01	< 20	< 1	< 2	< 10	137	< 10	2	2	
1123101	3.09	0.130	0.023	0.01	3	29	17	< 0.01	< 20	< 1	< 2	< 10	120	< 10	3	2	
1123102	3.48	0.125	0.021	0.03	4	25	20	< 0.01	< 20	< 1	< 2	< 10	92	< 10	2	2	
1123103	3.06	0.123	0.021	0.08	< 2	23	18	< 0.01	< 20	< 1	< 2	< 10	90	< 10	3	2	
1123104	2.81	0.185	0.022	0.05	< 2	25	20	< 0.01	< 20	< 1	< 2	< 10	101	< 10	3	2	
1123105	3.29	0.180	0.020	0.04	3	27	25	< 0.01	< 20	< 1	< 2	< 10	112	< 10	2	2	
1123106	3.10	0.267	0.021	0.02	3	28	31	< 0.01	< 20	< 1	< 2	< 10	114	< 10	3	2	
1123107	2.34	0.231	0.022	0.10	3	28	26	< 0.01	< 20	< 1	< 2	< 10	103	< 10	4	3	
1123108	2.84	0.207	0.021	0.04	3	29	26	< 0.01	< 20	< 1	< 2	< 10	95	< 10	3	2	
1123109	3.01	0.213	0.020	0.04	2	27	25	< 0.01	< 20	< 1	< 2	< 10	76	< 10	3	2	
1123110	2.25	0.115	0.346	< 0.01	3	12	167	< 0.01	< 20	< 1	< 2	< 10	71	< 10	15	3	
1123111	1.81	0.109	0.400	0.14	3	9	153	< 0.01	< 20	< 1	< 2	< 10	59	< 10	16	2	
1123112	2.11	0.194	0.455	0.22	3	12	195	< 0.01	< 20	< 1	< 2	< 10	71	< 10	16	3	
1123113	1.76	0.153	0.449	0.55	5	11	130	< 0.01	< 20	< 1	< 2	< 10	71	< 10	14	3	
1123114	0.34	0.094	0.119	0.23	< 2	5	28	< 0.01	< 20	< 1	< 2	< 10	22	< 10	8	4	
1123115	2.53	0.082	0.355	0.05	< 2	14	88	< 0.01	< 20	1	3	< 10	101	< 10	13	2	
1123116	1.65	0.134	0.324	1.37	3	8	160	< 0.01	< 20	1	< 2	< 10	34	< 10	13	3	
1123117	1.02	0.135	0.257	0.53	< 2	8	107	< 0.01	< 20	< 1	< 2	< 10	31	< 10	12	3	
1123118	0.91	0.084	0.145	1.27	< 2	6	101	< 0.01	< 20	< 1	< 2	< 10	19	< 10	9	4	
1123119	1.11	0.128	0.052	0.19	3	7	70	< 0.01	< 20	< 1	< 2	< 10	25	< 10	4	10	
1123120	1.37	0.184	0.084	0.02	2	7	86	< 0.01	< 20	< 1	< 2	< 10	40	< 10	6	7	
1123121	1.91	0.138	0.177	0.12	3	9	135	< 0.01	< 20	< 1	< 2	< 10	40	< 10	7	3	
1123122	2.15	0.132	0.155	0.31	3	13	132	< 0.01	< 20	1	< 2	< 10	53	< 10	7	5	
1123123	1.22	0.077	0.132	0.93	2	7	118	< 0.01	< 20	< 1	< 2	< 10	29	< 10	7	4	
1123124	0.60	0.070	0.127	0.08	< 2	5	35	< 0.01	< 20	< 1	< 2	< 10	25	< 10	8	4	
1123125	0.84	0.088	0.096	0.22	< 2	5	72	< 0.01	< 20	< 1	< 2	< 10	20	< 10	6	5	

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
1123126	2.41	0.096	0.039	1.60	9	24	12	< 0.01	< 20	< 1	< 2	< 10	122	< 10	5	3	
1123127	3.87	0.052	0.025	0.38	78	10	19	< 0.01	< 20	< 1	< 2	< 10	28	< 10	8	2	
1123128	4.91	0.091	0.020	0.10	15	31	13	< 0.01	< 20	< 1	< 2	< 10	167	< 10	5	2	
1123129	4.87	0.060	0.017	0.16	20	26	13	< 0.01	< 20	< 1	< 2	< 10	148	< 10	5	2	
1123130	6.30	0.019	0.008	0.10	3	9	24	< 0.01	< 20	< 1	< 2	< 10	26	< 10	8	1	
1123131	7.70	0.019	0.001	0.07	3	7	29	< 0.01	< 20	< 1	< 2	< 10	24	< 10	7	2	
1123132	6.13	0.030	0.008	0.11	6	19	18	< 0.01	< 20	< 1	< 2	< 10	96	< 10	6	3	
1123133	5.82	0.035	0.018	0.16	5	29	11	< 0.01	< 20	< 1	< 2	< 10	183	< 10	4	2	
1123134	6.00	0.043	0.020	0.16	5	32	10	< 0.01	< 20	< 1	< 2	< 10	205	< 10	4	2	
1123135	5.25	0.100	0.018	0.18	6	26	16	< 0.01	< 20	< 1	< 2	< 10	151	< 10	4	2	
1123136	5.61	0.040	0.016	0.15	5	29	11	< 0.01	< 20	< 1	< 2	< 10	171	< 10	4	2	
1123137	5.16	0.045	0.025	0.17	3	22	17	< 0.01	< 20	< 1	< 2	< 10	141	< 10	6	2	
390354	0.98	0.086	0.068	0.55	< 2	8	43	0.18	< 20	3	< 2	< 10	61	< 10	10	13	
390355	1.03	0.137	0.062	0.25	3	7	50	0.15	< 20	< 1	< 2	< 10	56	< 10	8	10	
390356	0.98	0.155	0.291	0.42	< 2	5	53	0.33	< 20	2	< 2	< 10	74	< 10	37	9	
1123058	2.75	0.105	0.059	1.29	9	5	23	< 0.01	< 20	< 1	< 2	< 10	40	< 10	7	17	

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	6350	424	2	33	7	24	1.94	90		73	7.3	< 2	0.06	89	26	6.34	< 10		0.89	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 904 (Aqua Regia) Meas		0.3	< 0.5	6560	443	2	35	8	24	2.02	91		78	7.6	< 2	0.06	90	27	6.68	< 10		0.93	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	2340	748	< 1	35	62	266	3.08	5		84	0.8	8	0.44	20	50	5.57	< 10		0.51	41
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	2300	751	< 1	33	61	266	3.04	4		82	0.8	10	0.44	19	49	5.46	< 10		0.49	40
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	< 0.5	4590	844	< 1	33	78	332	3.00	7		65	0.7	18	0.44	23	45	6.13	< 10		0.41	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 923 (AQUA REGIA) Meas		1.5	0.7	4630	842	< 1	34	82	333	3.02	8		67	0.7	19	0.44	22	44	6.20	< 10		0.42	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 216 (Fire Assay) Meas																							
OREAS 216 (Fire Assay) Cert																							
OREAS 229 (Fire Assay) Meas																							
OREAS 229 (Fire Assay) Cert																							
OREAS 217 (Fire Assay) Meas	330																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	319																						

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 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	330																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	322																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	322																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	324																						
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		65.9	289	3600	502	13	24	> 5000	> 10000	1.74	70			0.6	10	1.67	29	31	3.36	10	3	0.35	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 621 (Aqua Regia) Meas		72.9	303	3880	535	14	26	> 5000	> 10000	1.86	79			0.6	6	1.75	31	33	3.70	10	4	0.38	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 215 (Fire Assay) Meas	3360																						
OREAS 215 (Fire Assay) Cert	3540																						
OREAS 215 (Fire Assay) Meas	3400																						
OREAS 215 (Fire Assay) Cert	3540																						
OREAS 215 (Fire Assay) Meas	3380																						
OREAS 215 (Fire Assay) Cert	3540																						
OREAS 215 (Fire Assay) Meas	3360																						
OREAS 215 (Fire Assay) Cert	3540																						
OREAS 215 (Fire Assay) Meas	3390																						
OREAS 215 (Fire Assay) Cert	3540																						
1123001 Orig		0.8	< 0.5	170	1150	< 1	130	11	95	2.85	60	< 10	54	< 0.5	6	4.47	39	160	7.70	< 10	3	0.23	< 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
1123001 Dup		0.5	< 0.5	170	1160	< 1	129	9	88	2.89	63	< 10	55	< 0.5	5	4.52	39	163	7.69	< 10	2	0.23	< 10
1123002 Orig																							
1123002 Dup																							
1123009 Orig		0.8	< 0.5	101	995	3	106	6	66	2.18	47	< 10	26	< 0.5	9	3.72	31	121	5.87	< 10	1	0.27	< 10
1123009 Dup		0.7	< 0.5	106	990	3	105	7	62	2.19	45	< 10	26	< 0.5	7	3.69	31	120	5.95	< 10	2	0.28	< 10
1123013 Orig	80																						
1123013 Dup	106																						
1123024 Orig	57																						
1123024 Dup	65																						
1123034 Orig	110																						
1123034 Dup	100																						
1123049 Orig		< 0.2	< 0.5	52	2030	< 1	20	< 2	21	1.02	53	< 10	14	< 0.5	< 2	> 10.0	8	17	6.07	< 10	1	0.05	< 10
1123049 Dup		< 0.2	< 0.5	55	2080	< 1	19	< 2	21	1.05	55	< 10	14	< 0.5	4	> 10.0	9	16	6.34	< 10	2	0.05	< 10
1123050 Orig	13	< 0.2	< 0.5	131	1540	< 1	32	< 2	25	3.15	73	< 10	26	< 0.5	< 2	9.06	23	16	5.17	< 10	2	0.12	< 10
1123050 Split PREP DUP	13	< 0.2	< 0.5	112	1600	< 1	30	< 2	26	3.08	66	< 10	27	< 0.5	2	9.25	21	15	5.44	< 10	1	0.12	< 10
1123054 Orig	6																						
1123054 Dup	7																						
1123064 Orig		< 0.2	< 0.5	100	1220	< 1	111	< 2	51	0.87	152	< 10	28	< 0.5	< 2	6.72	40	69	5.20	< 10	< 1	0.07	< 10
1123064 Dup		< 0.2	< 0.5	102	1240	< 1	110	< 2	53	0.90	156	< 10	29	< 0.5	3	6.79	41	70	5.32	< 10	< 1	0.07	< 10
1123065 Orig	40																						
1123065 Dup	52																						
1123067 Orig		< 0.2	< 0.5	103	1440	< 1	123	< 2	63	1.74	17	< 10	42	< 0.5	2	5.23	46	133	6.09	< 10	3	0.03	< 10
1123067 Dup		< 0.2	< 0.5	102	1450	< 1	121	< 2	63	1.75	15	< 10	42	< 0.5	< 2	5.31	47	134	6.09	< 10	< 1	0.04	< 10
1123075 Orig		< 0.2	< 0.5	164	2200	< 1	71	< 2	81	0.65	166	< 10	24	< 0.5	< 2	2.55	42	31	7.78	< 10	2	0.09	11
1123075 Dup		< 0.2	< 0.5	167	2290	< 1	74	2	84	0.67	168	< 10	24	< 0.5	< 2	2.63	44	32	8.07	< 10	< 1	0.10	11
1123083 Orig	334																						
1123083 Dup	352																						
1123092 Orig		< 0.2	< 0.5	139	1190	< 1	86	< 2	67	2.05	113	< 10	21	< 0.5	< 2	4.75	36	112	7.85	< 10	2	0.06	< 10
1123092 Dup		< 0.2	< 0.5	133	1180	< 1	83	< 2	65	1.97	109	< 10	20	< 0.5	< 2	4.74	37	111	7.56	< 10	2	0.06	< 10
1123094 Orig	12																						
1123094 Dup	9																						
1123099 Orig		< 0.2	0.5	104	1460	< 1	90	< 2	79	2.19	5	< 10	28	< 0.5	< 2	4.80	38	173	6.73	< 10	3	0.02	< 10
1123099 Dup		< 0.2	0.6	105	1460	< 1	90	< 2	79	2.19	4	< 10	29	< 0.5	< 2	4.78	38	172	6.75	< 10	3	0.03	< 10
1123101 Orig	< 5	< 0.2	< 0.5	103	1410	< 1	97	< 2	61	2.83	8	< 10	22	< 0.5	< 2	3.82	40	190	7.17	< 10	3	0.03	< 10
1123101 Split PREP DUP	< 5	< 0.2	< 0.5	102	1420	< 1	100	< 2	62	2.90	7	< 10	24	< 0.5	< 2	3.75	40	191	7.23	< 10	2	0.03	< 10
1123103 Orig	10																						
1123103 Dup	8																						
1123114 Orig	11																						
1123114 Dup	10																						
1123124 Orig	< 5																						
1123124 Dup	< 5																						

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
1123126 Orig		0.3	< 0.5	90	1380	< 1	63	< 2	65	2.18	620	< 10	20	< 0.5	< 2	4.63	38	53	9.19	< 10	1	0.07	< 10
1123126 Dup		0.3	< 0.5	99	1410	< 1	65	< 2	64	2.25	632	< 10	20	< 0.5	< 2	4.70	41	53	9.54	< 10	< 1	0.07	< 10
1123134 Orig	9																						
1123134 Dup	9																						
1123137 Orig		< 0.2	< 0.5	80	1560	< 1	128	< 2	52	3.86	204	< 10	14	< 0.5	< 2	6.87	37	244	8.80	10	1	0.10	< 10
1123137 Dup		< 0.2	0.8	81	1560	< 1	127	< 2	52	3.90	213	< 10	14	< 0.5	< 2	6.87	35	243	8.99	10	2	0.10	< 10
1123058 Orig	44																						
1123058 Dup	50																						
Method Blank		< 0.2	< 0.5	2	< 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	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
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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	0.22		0.099	0.05	2	5	19		< 20		< 2	< 10	34		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 904 (Aqua Regia) Meas	0.23		0.103	0.05	3	5	20		< 20		< 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 922 (AQUA REGIA) Meas	1.44	0.035	0.067	0.38	< 2	4	17		< 20		< 2	< 10	39	< 10	23	34	
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	1.44	0.034	0.067	0.38	2	4	17		< 20		< 2	< 10	39	< 10	22	30	
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	1.51		0.063	0.67	3	4	15		< 20		< 2	< 10	37	< 10	20	36	
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	1.52		0.063	0.66	3	4	15		< 20		< 2	< 10	36	< 10	21	35	
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																	6.75
OREAS 216 (Fire Assay) Cert																	6.66
OREAS 229 (Fire Assay) Meas																	11.8
OREAS 229 (Fire Assay) Cert																	12.1
OREAS 217 (Fire Assay) Meas																	
OREAS 217 (Fire Assay) Cert																	
OREAS 217 (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
1123001 Dup	3.12	0.063	0.026	0.17	3	13	36	< 0.01	< 20	< 1	< 2	< 10	98	< 10	4	3	
1123002 Orig																	6.25
1123002 Dup																	6.61
1123009 Orig	2.59	0.045	0.025	0.69	3	12	41	< 0.01	< 20	< 1	< 2	< 10	61	< 10	4	4	
1123009 Dup	2.60	0.044	0.025	0.69	3	12	41	< 0.01	< 20	< 1	< 2	< 10	61	< 10	4	4	
1123013 Orig																	
1123013 Dup																	
1123024 Orig																	
1123024 Dup																	
1123034 Orig																	
1123034 Dup																	
1123049 Orig	6.11	0.043	0.013	0.27	4	5	41	< 0.01	< 20	1	< 2	< 10	32	< 10	10	5	
1123049 Dup	6.35	0.043	0.013	0.28	3	5	41	< 0.01	< 20	< 1	< 2	< 10	32	< 10	10	5	
1123050 Orig	4.67	0.087	0.032	0.19	4	12	50	< 0.01	< 20	< 1	< 2	< 10	83	< 10	8	8	
1123050 Split PREP DUP	4.83	0.083	0.031	0.17	4	11	48	< 0.01	< 20	< 1	< 2	< 10	80	< 10	8	7	
1123054 Orig																	
1123054 Dup																	
1123064 Orig	2.96	0.084	0.020	0.18	2	18	59	< 0.01	< 20	< 1	< 2	< 10	40	< 10	3	2	
1123064 Dup	3.02	0.084	0.021	0.18	3	19	61	< 0.01	< 20	2	< 2	< 10	41	< 10	3	2	
1123065 Orig																	
1123065 Dup																	
1123067 Orig	2.71	0.177	0.025	0.13	3	21	24	< 0.01	< 20	< 1	< 2	< 10	68	< 10	2	2	
1123067 Dup	2.71	0.180	0.025	0.13	3	22	24	< 0.01	< 20	< 1	< 2	< 10	69	< 10	2	2	
1123075 Orig	1.06	0.080	0.027	0.34	3	25	24	< 0.01	< 20	< 1	< 2	< 10	35	< 10	7	3	
1123075 Dup	1.08	0.080	0.028	0.35	3	26	25	< 0.01	< 20	< 1	< 2	< 10	36	< 10	7	3	
1123083 Orig																	
1123083 Dup																	
1123092 Orig	2.10	0.162	0.022	0.10	3	30	36	< 0.01	< 20	< 1	< 2	< 10	92	< 10	5	3	
1123092 Dup	2.03	0.159	0.021	0.10	5	30	36	< 0.01	< 20	< 1	< 2	< 10	92	< 10	5	2	
1123094 Orig																	
1123094 Dup																	
1123099 Orig	3.09	0.106	0.020	0.03	3	28	22	< 0.01	< 20	< 1	< 2	< 10	116	< 10	2	2	
1123099 Dup	3.08	0.109	0.020	0.03	3	29	22	< 0.01	< 20	< 1	< 2	< 10	117	< 10	2	2	
1123101 Orig	3.09	0.130	0.023	0.01	3	29	17	< 0.01	< 20	< 1	< 2	< 10	120	< 10	3	2	
1123101 Split PREP DUP	3.08	0.138	0.022	0.01	2	28	17	< 0.01	< 20	< 1	< 2	< 10	121	< 10	3	2	
1123103 Orig																	
1123103 Dup																	
1123114 Orig																	
1123114 Dup																	
1123124 Orig																	

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
1123124 Dup																	
1123126 Orig	2.37	0.094	0.038	1.57	10	24	12	< 0.01	< 20	4	< 2	< 10	121	< 10	5	3	
1123126 Dup	2.44	0.097	0.039	1.63	9	25	12	< 0.01	< 20	< 1	< 2	< 10	124	< 10	5	3	
1123134 Orig																	
1123134 Dup																	
1123137 Orig	5.12	0.045	0.025	0.17	3	22	17	< 0.01	< 20	< 1	< 2	< 10	141	< 10	6	2	
1123137 Dup	5.20	0.045	0.025	0.17	3	22	17	< 0.01	< 20	< 1	< 2	< 10	142	< 10	6	2	
1123058 Orig																	
1123058 Dup																	
Method Blank	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.015	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.014	< 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																	
Method Blank																	
Method Blank																	< 0.03



Date Submitted: 18-Sep-18
Invoice No.: A18-13315
Invoice Date: 03-Oct-18
Your Reference: 2001-06

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

ATTN: Nathan Sims (Inv)

CERTIFICATE OF ANALYSIS

5 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 **A18-13315**

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 initial 'E'.

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: A18-13315

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
357577	37	< 0.2	< 0.5	159	1320	< 1	72	< 2	78	2.06	93	< 10	18	< 0.5	< 2	5.17	39	101	7.07	< 10	2	0.07	< 10
357578	35	< 0.2	< 0.5	94	1280	< 1	120	< 2	67	1.66	158	< 10	22	< 0.5	< 2	5.60	37	109	5.59	< 10	< 1	0.09	< 10
357579	20	< 0.2	< 0.5	93	1570	< 1	122	< 2	57	1.68	107	< 10	20	< 0.5	< 2	5.74	38	116	5.52	< 10	< 1	0.06	< 10
357580	25	< 0.2	< 0.5	90	1430	< 1	129	< 2	55	2.02	54	< 10	21	< 0.5	2	5.31	39	148	5.64	< 10	2	0.04	< 10
357581	58	< 0.2	< 0.5	98	1350	< 1	130	< 2	54	1.46	127	< 10	24	< 0.5	< 2	5.37	38	122	5.89	< 10	< 1	0.03	< 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
357577	2.43	0.207	0.020	0.16	< 2	29	25	< 0.01	< 20	4	< 2	< 10	96	< 10	4	2
357578	2.54	0.242	0.012	0.20	3	23	27	< 0.01	< 20	< 1	< 2	< 10	49	< 10	3	2
357579	2.50	0.250	0.012	0.08	3	23	24	< 0.01	< 20	3	< 2	< 10	51	< 10	3	1
357580	2.84	0.215	0.012	0.10	3	23	19	< 0.01	< 20	< 1	< 2	< 10	66	< 10	4	1
357581	2.68	0.138	0.013	0.12	3	23	18	< 0.01	< 20	< 1	< 2	< 10	50	< 10	3	1

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	6160	413	2	32	10	25	2.01	94		75	7.8	< 2	0.05	93	26	6.21	< 10		1.00	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 922 (AQUA REGIA) Meas		0.8	< 0.5	2240	728	< 1	32	58	269	3.01	8		79	0.8	7	0.42	21	47	5.26	< 10		0.53	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 922 (AQUA REGIA) Meas		0.8	< 0.5	2220	722	< 1	31	65	264	3.02	8		84	0.8	11	0.43	20	47	5.22	< 10		0.54	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		1.4	< 0.5	4460	834	< 1	30	85	348	3.07	9		66	0.7	24	0.43	23	42	6.06	< 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		1.6	< 0.5	4290	823	< 1	30	82	345	2.99	6		66	0.7	21	0.43	23	43	5.93	< 10		0.46	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 254 Meas	2550																						
OREAS 254 Cert	2550																						
Oreas 621 (Aqua Regia) Meas		71.4	291	3710	521	13	24	> 5000	> 10000	1.87	81			0.6	9	1.57	31	33	3.53	10	4	0.41	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 621 (Aqua Regia) Meas		72.5	288	3760	513	12	23	> 5000	> 10000	1.90	77			0.6	11	1.72	31	31	3.51	10	4	0.43	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
357577 Orig	33																						
357577 Dup	41																						
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
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	0.21		0.097	0.04	3	5	19		< 20		< 2	< 10	29		17	
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	1.34	0.031	0.063	0.37	2	4	17		< 20		< 2	< 10	32	< 10	19	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 922 (AQUA REGIA) Meas	1.33	0.034	0.062	0.35	< 2	4	17		< 20		< 2	< 10	33	< 10	19	15
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	1.46		0.061	0.67	2	4	15		< 20		< 2	< 10	32	< 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 923 (AQUA REGIA) Meas	1.40		0.059	0.64	4	4	15		< 20		< 2	< 10	32	< 10	18	24
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 254 Meas																
OREAS 254 Cert																
Oreas 621 (Aqua Regia) Meas	0.45	0.188	0.035	4.47	116	3	18		< 20		< 2	< 10	12	< 10	7	68
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	0.45	0.190	0.034	4.52	123	3	20		< 20		< 2	< 10	12	< 10	7	68
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
357577 Orig																
357577 Dup																
Method Blank	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.011	< 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																

Appendix III – Sample Descriptions

Bolton Bay - Grab Samples

Sample ID	Easting	Northing	Description	Sulfide	Sampler	Date	Certificate	Au (ppb)
581171	680105.6	5405211	large 2m green coarse prox boulder	tr po	S. Stares	April 13/18	A18-04895	2.5
581172	679795.2	5405212	prox . Joe Hackl's showing at Bolton project	tr cpy-po	S. Stares	April 13/18	A18-04895	2.5
581173	679795.2	5405212	prox . Joe Hackl's showing at Bolton project	tr cpy-po	S. Stares	April 13/18	A18-04895	5
581174	679795.2	5405212	black sands/ weather prox, on joe's showing		S. Stares	April 13/18	A18-04895	2.5
581175	680344.9	5407057	small qtz veining in 10m sheared carb zone	tr py	S. Stares	April 13/18	A18-04895	15
581176	680422.3	5407088	carb shear, small qtz stringers	2%py	S. Stares	April 13/18	A18-04895	10
390310	678829.9	5407005	10cm rusty qv at 1925 showing	0	N.Sims	July 11 2018	A18-09333	7580
390312	682013.3	5407362	siliceous mafic w qv, 2-3%py as accumulations and pods, q xcuts randomly, float	2-3%py	N.Sims	July 11 2018	A18-09333	6
390320	681020.4	5407480	sil grey volc	2% py/po,	S. Stares	july 18 2018	A18-10195	6
390323	677799.8	5407443	rusty shear with 1-2%py some carb	1-2%py	S. Stares	july 19 2018	A18-10195	38
390327	683125	5407222	frags/float along trail in NS structure (in place?), sheared volc w lenses of chert (?)	1-5%py loc	N.Sims	july 20 2018	A18-09896	39
390326	680375.4	5406889	taken at end of trench (now burried), small qtz stringers in shear near gabbro tr py		S. Stares	july 24 2018	A18-09896	13
390328	683602.6	5407164	northern contact of q flooding, brecciated zone, 10%py+cpy in qv, occurred 1m before contact was lost in mud/ob		N.Sims	july 24 2018	A18-09896	20200
390329	683602.6	5407164	northern contact of q flooding, brecciated zone, 10-20%py+cpy in qv, occurred 1m before contact was lost in mud/ob		N.Sims	july 24 2018	A18-09896	13800
390330	683613.3	5407153	qv w 10% carb, 2-3% py/cpy, 5% galena, green malachite staining, middle of the zone, east extension of q-bx		N.Sims	july 24 2018	A18-09896	740
390331	683586.3	5407156	western tip of trench c, south contact zone just before veining is lost in ob, major malachite staining, 10-20% py/cpy (equal), very rusty red		N.Sims	july 24 2018	A18-09896	1400
390332	683586.3	5407156	western tip of trench c, south contact zone just before veining is lost in ob, major malachite staining, 10-20% py/cpy (equal), very rusty red		N.Sims	july 24 2018	A18-09896	16100
390333	680609.5	5407018	fg, siliceous int-volc w mg py, 5% diss ("Zones 1&2?")		N.Sims	july 24 2018	A18-09896	1790
171602	681465.9	5404885	angular float of felsic fragmental with frag of sul	4% py	S. Stares	May 11/18	A18-06353	2.5

Bolton Bay - Grab Samples

Sample ID	Easting	Northing	Description	Sulfide	Sampler	Date	Certificate	Au (ppb)
171603	679497.9	5405858	angular float of felsic fragmental with frag of sul small qtz stringers	2-4% py	S. Stares	May 11/18	A18-06353	2.5
171604	678896.6	5406795	Sil sheared green/black rusty sed with simmimassive sul in subcrop	20-30% py	S. Stares	May 11/18	A18-06353	6
171605	680138.9	5407082	Sil carb zone with albite? Qtz, aspy and py	1-3% aspy	S. Stares	May 11/18	A18-06353	354
171606	680138.9	5407082	same as 05		S. Stares	May 11/18	A18-06353	246
171607	680138.9	5407082	sil qtz carb and qtz stockwork	2%py	S. Stares	May 11/18	A18-06353	47
171608	680138.9	5407082	carb zone near 05-07, small qtz stringers tr py	tr py	S. Stares	May 11/18	A18-06353	44
171609	680143.4	5407069	qtz stockwork with grey carb matrix and 2%py	2%py	S. Stares	May 11/18	A18-06353	404
171610	680470.7	5407179	qtz veins 1-3" wide in shear, 1%py	1%py	S. Stares	May 11/18	A18-06353	272
171611	680470.7	5407179	qtz veins in 2-5" wide shear carb zone, 1%py/ tr Gn and cpy	1%py tr cpy	S. Stares	May 11/18	A18-06353	3070
171612	680494.4	5407185	qtz veins in shear carb tr py	tr py	S. Stares	May 11/18	A18-06353	89
171613	680489.5	5407179	same as 12		S. Stares	May 11/18	A18-06353	278
171614	680387.5	5407356	bleached IF with some frags of mag and 2%py	2%py	S. Stares	May 11/18	A18-06353	11
171615	680462.4	5407370	qtz stockwork in seds with carb and tr py	tr py	S. Stares	May 11/18	A18-06353	2.5
171616	680935.2	5407478	sheared carb with small qtz stringers	tr py	S. Stares	May 11/18	A18-06353	2.5
171617	680891.1	5407455	small qtz vein 1"wide with tr py	tr py	S. Stares	May 11/18	A18-06353	974

Bolton Bay – Trenching Channel Samples

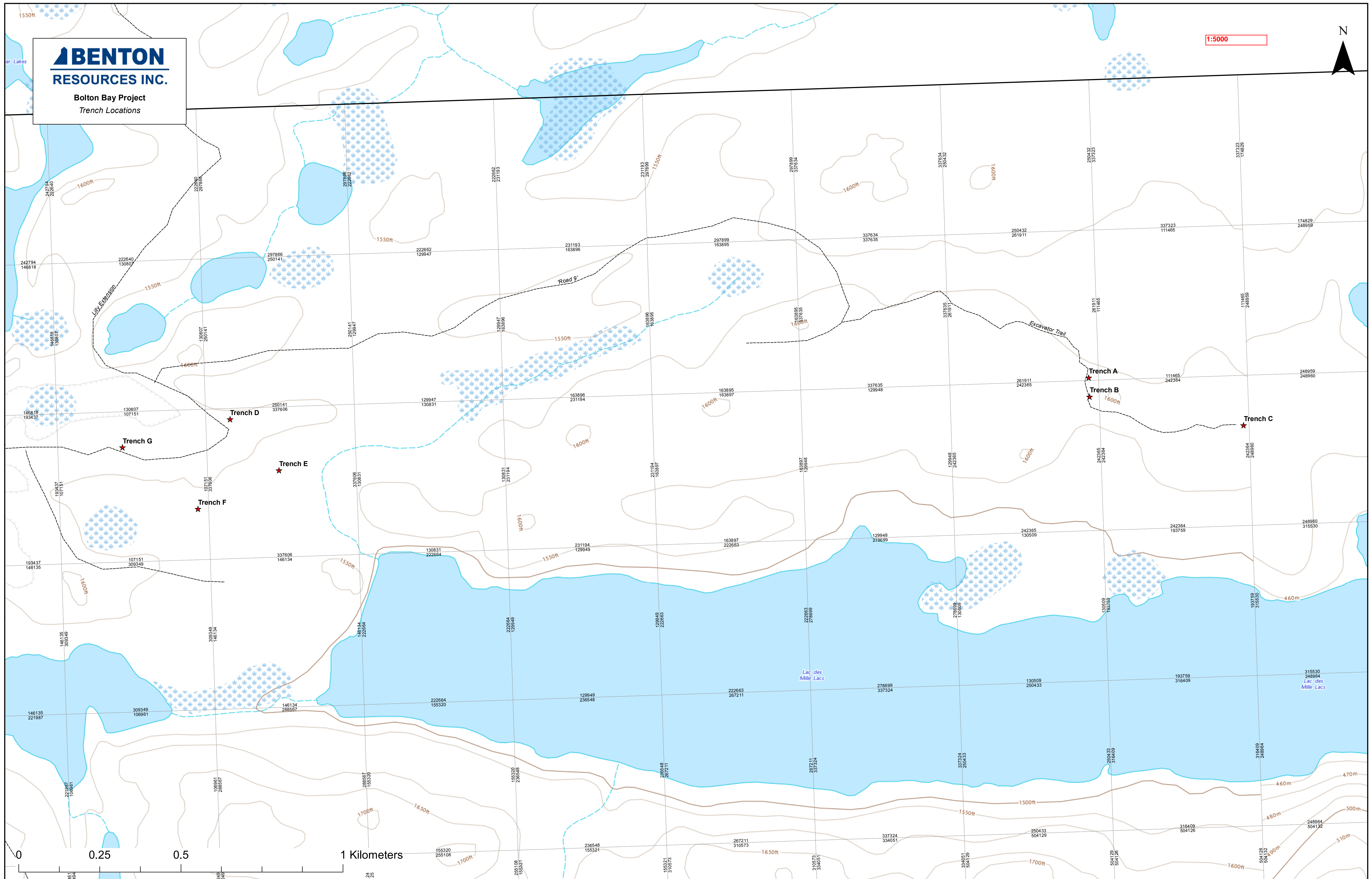
Sample ID	Sample Length (m)	Trench	Au (ppb)
1123052	1	A	61
1123053	1	A	30
1123054	1	A	7
1123055	0.8	A	9
1123056	0.8	A	20
1123057	1	A	94
1123058	1	A	47
1123059	1	A	8
1123040	1	B	22
1123041	1	B	17
1123042	1	B	10
1123043	1	B	15
1123044	1	B	34
1123045	1	B	44
1123046	1	B	12
1123047	0.9	B	14
1123048	1	B	10
1123049	1	B	21
1123050	0.3	B	13
1123051	1	B	16
1123001	1	C	222
1123002	1	C	6430
1123003	1	C	89
1123004	1	C	284
1123005	1	C	870
1123006	1	C	98
1123007	1	C	789
1123008	1	C	193
1123009	1	C	242
1123010	1	C	248
1123011	1	C	827
1123012	1	C	340
1123013	1	C	93
1123014	1	C	47
1123015	1	C	142
1123016	1	C	346
1123017	1	C	63
1123018	1	C	4160

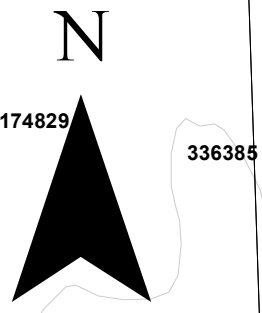
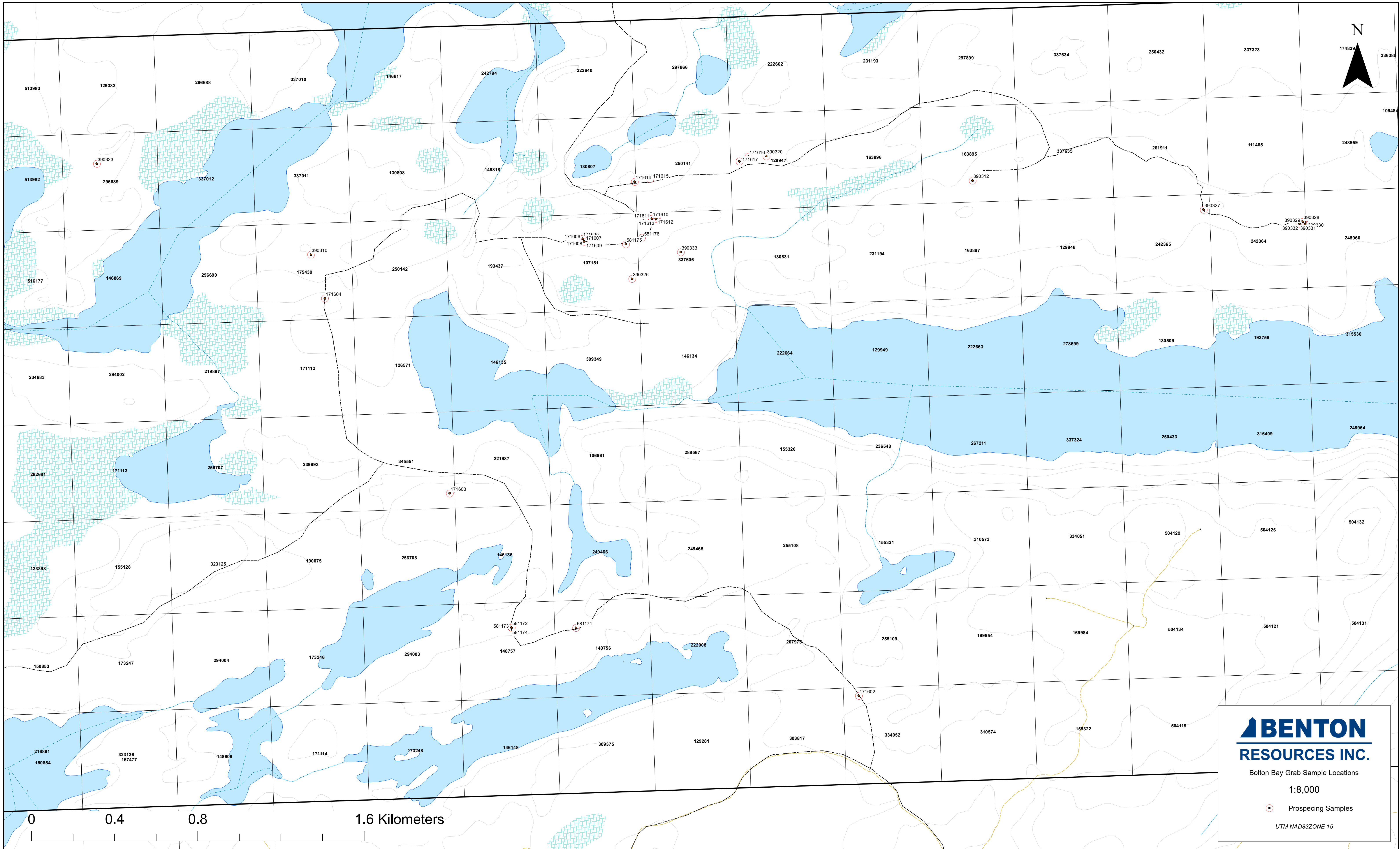
1123019	1	C	18
1123020	0.9	C	2.5
1123021	0.7	C	93
1123022	1	C	2280
1123023	1	C	660
1123024	1	C	61
1123025	1	C	62
1123026	1	C	77
1123027	1	C	50
1123028	1	C	40
1123029	1	C	77
1123030	1	C	628
1123031	1	C	959
1123032	1	C	105
1123033	1	C	284
1123034	1	C	105
1123035	1.3	C	4270
1123036	1.4	C	199
1123037	1	C	12
1123038	1	C	355
1123039	1	C	57
1123060	0.7	D	2.5
1123061	1	D	2.5
1123062	0.8	D	8
1123063	0.9	D	19
1123064	0.9	D	37
1123065	1	D	46
1123066	1	D	5
1123067	1	D	2.5
1123068	1	D	2.5
1123069	1.1	D	2.5
1123070	1.1	D	10
1123071	1	D	6
1123072	1	D	8
1123073	1	D	51
1123074	1	D	253
1123075	1	D	45
1123076	1.1	D	90
1123077	1	D	352
1123078	1	D	1210
1123079	1.1	D	7
1123080	1	D	825
1123081	1	D	134

1123082	1.1	D	136
1123083	1.3	D	343
1123084	1	D	21
1123085	1	D	13
1123086	1	D	2.5
1123087	0.9	D	2.5
1123088	1	D	2.5
1123089	1	E	8
1123090	1	E	968
1123091	1	E	11
1123092	1	E	181
1123093	1	E	156
1123094	1	E	11
1123095	1	E	2.5
1123096	1	E	17
1123097	1	E	113
1123098	1	E	5
1123099	1	E	2.5
1123100	1	E	2.5
1123101	0.5	E	2.5
1123102	1	E	2.5
1123103	1	E	9
1123104	1	E	5
1123105	1	E	2.5
1123106	1	E	2.5
1123107	1	E	178
1123108	1	E	6
1123109	1	E	2.5
1123110	1	F	2.5
1123111	1	F	12
1123112	1	F	38
1123113	1	F	10
1123114	1	F	11
1123115	1	F	2.5
1123116	0.6	F	151
1123117	1	F	62
1123118	1	F	185
1123119	1	F	64
1123120	1	F	2.5
1123121	1	F	6
1123122	1	F	110
1123123	0.8	F	55
1123124	1	F	2.5

1123125	1	F	44
1123126	0.9	G	774
1123127	0.7	G	464
1123128	1	G	12
1123129	0.6	G	16
1123130	1	G	47
1123131	1	G	31
1123132	3	G	18
1123133	1	G	8
1123134	1	G	9
1123135	1	G	10
1123136	1	G	10
1123137	1	G	9

Appendix IV – Maps





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Bolton Bay Grab Sample Locations

1:8,000

○ Prospecting Samples

UTM NAD83ZONE 15

0 0.4 0.8 1.6 Kilometers



1:40

54

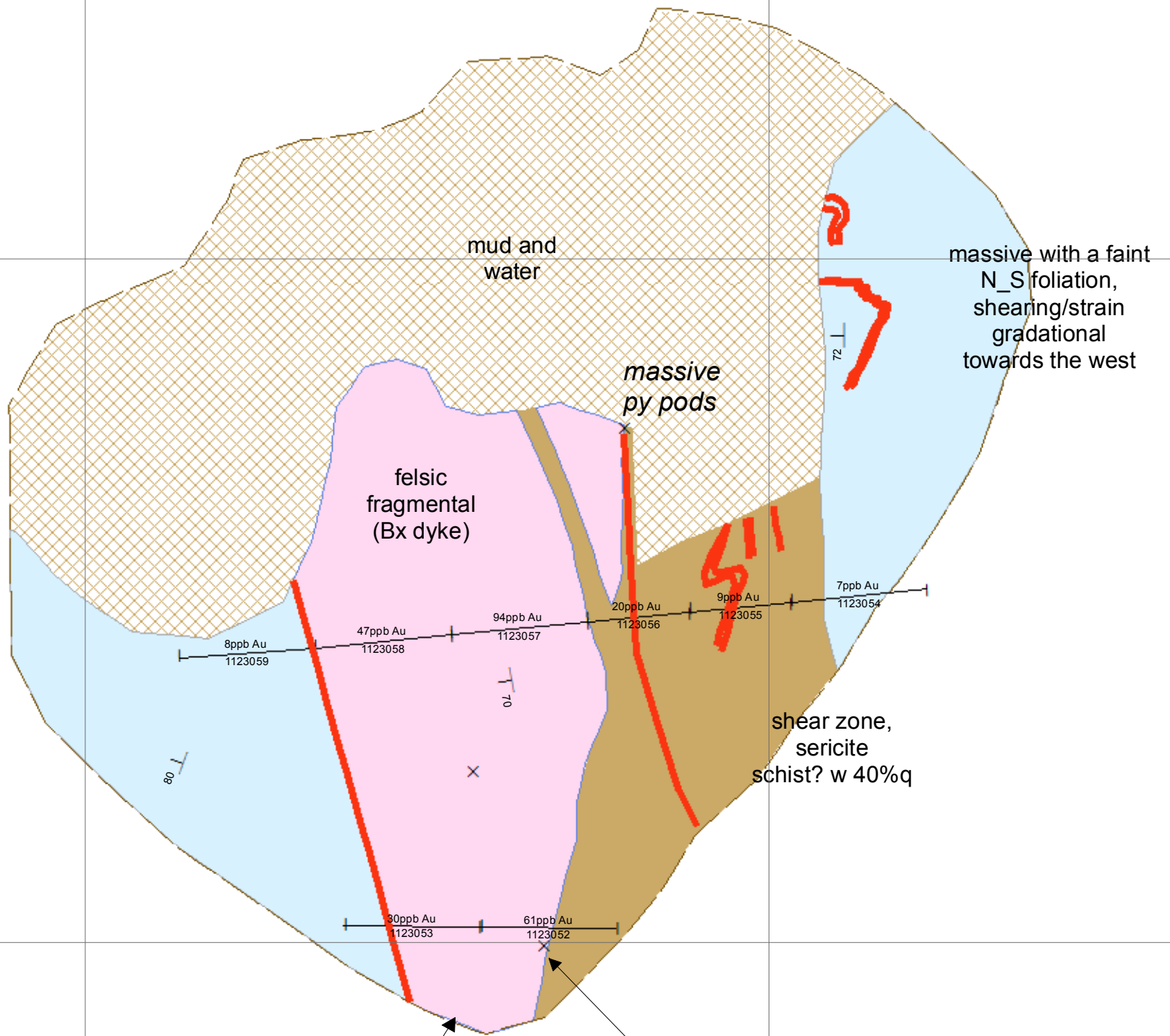
683115

683120

BENTON RESOURCES INC.

Bolton Bay Project
Trench A

261911



protolith is difficult to determine but unit has a brecciated texture and is extremely silicified, could in fact be a felsic dyke w mafic/gab frags? 2-3% sulphide w accululations to 5%

massive vfg aphanitic massive sulphide vein, 4-10cm wide and 1m long

Legend

- Structural
- Quartz Veining
- Channel Samples
- Trench Outlines
- Andesite
- Felsic Dyke
- Int to Mafic Volc
- mud/cuttings/water

4

Meters

683115

683120



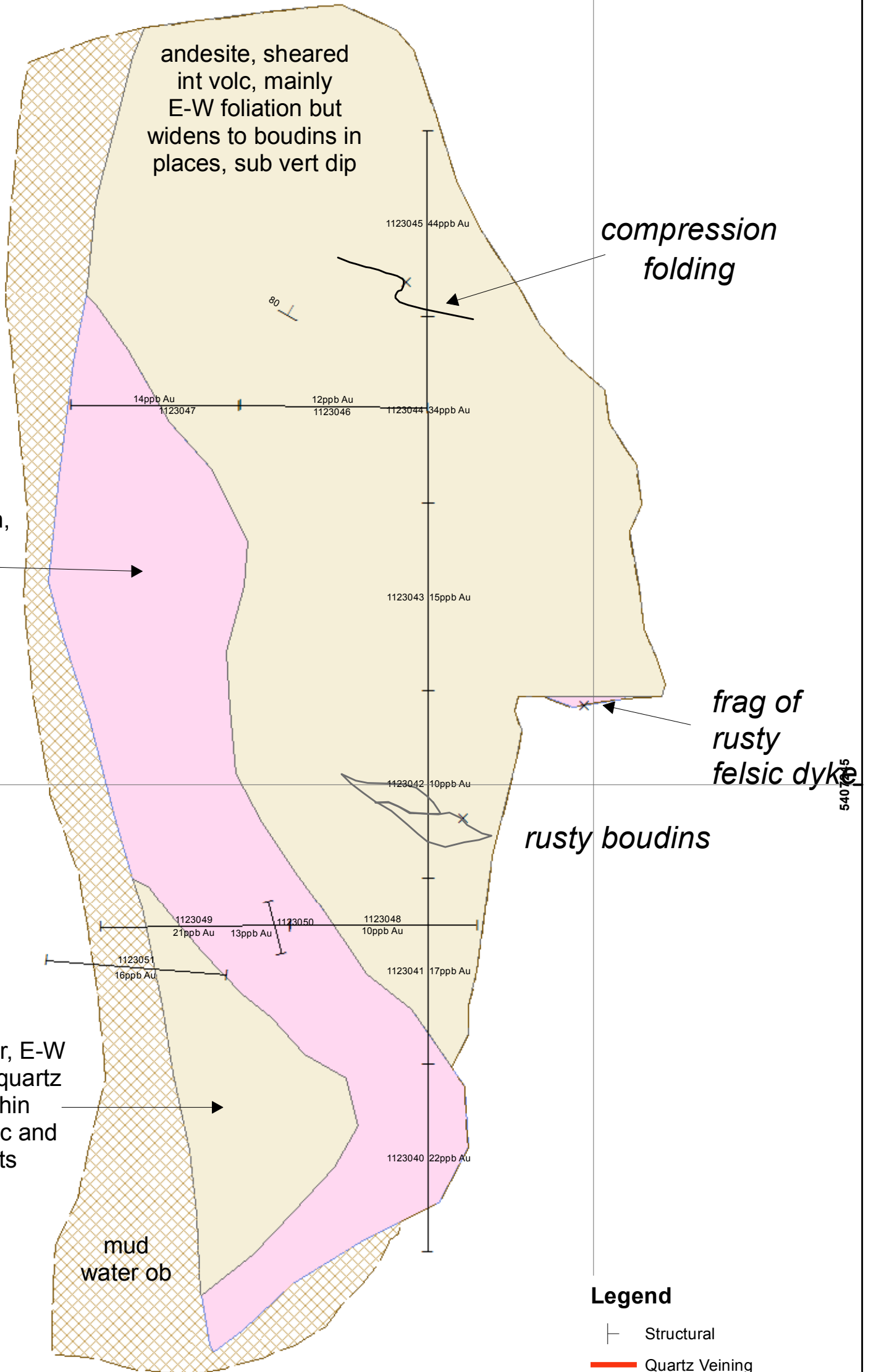
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540725

540725

5407245

5407245

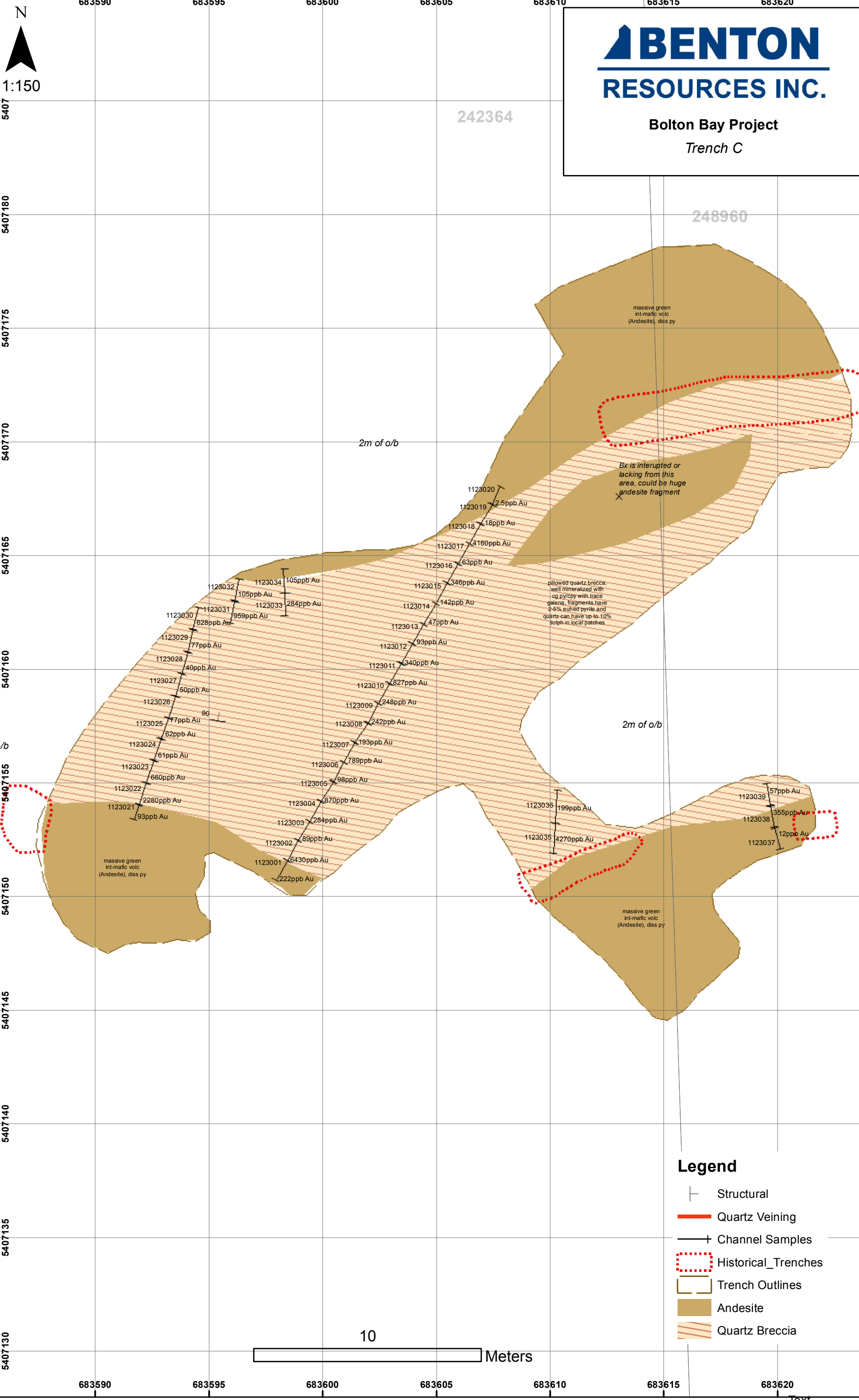


Legend

- Structural
- Quartz Veining
- Channel Samples
- Trench Outlines
- Felsic Dyke
- Intermediate Volc
- mud/cuttings/water

2.5

Meters



BENTON RESOURCES INC.

Bolton Bay Project
Trench C



1:150

242364

248960

2m of o/b

Bx is interrupted or
lacking from this
area, could be huge
andesite fragment

pillowed quartz breccia,
well mineralized with
cp py/cpy with trace
galena. fragments have
2-5% euhed pyrite and
quartz can have up to 10%
sulph in local patches

2m of o/b

massive green
int-mafic volc
(Andesite), diss py

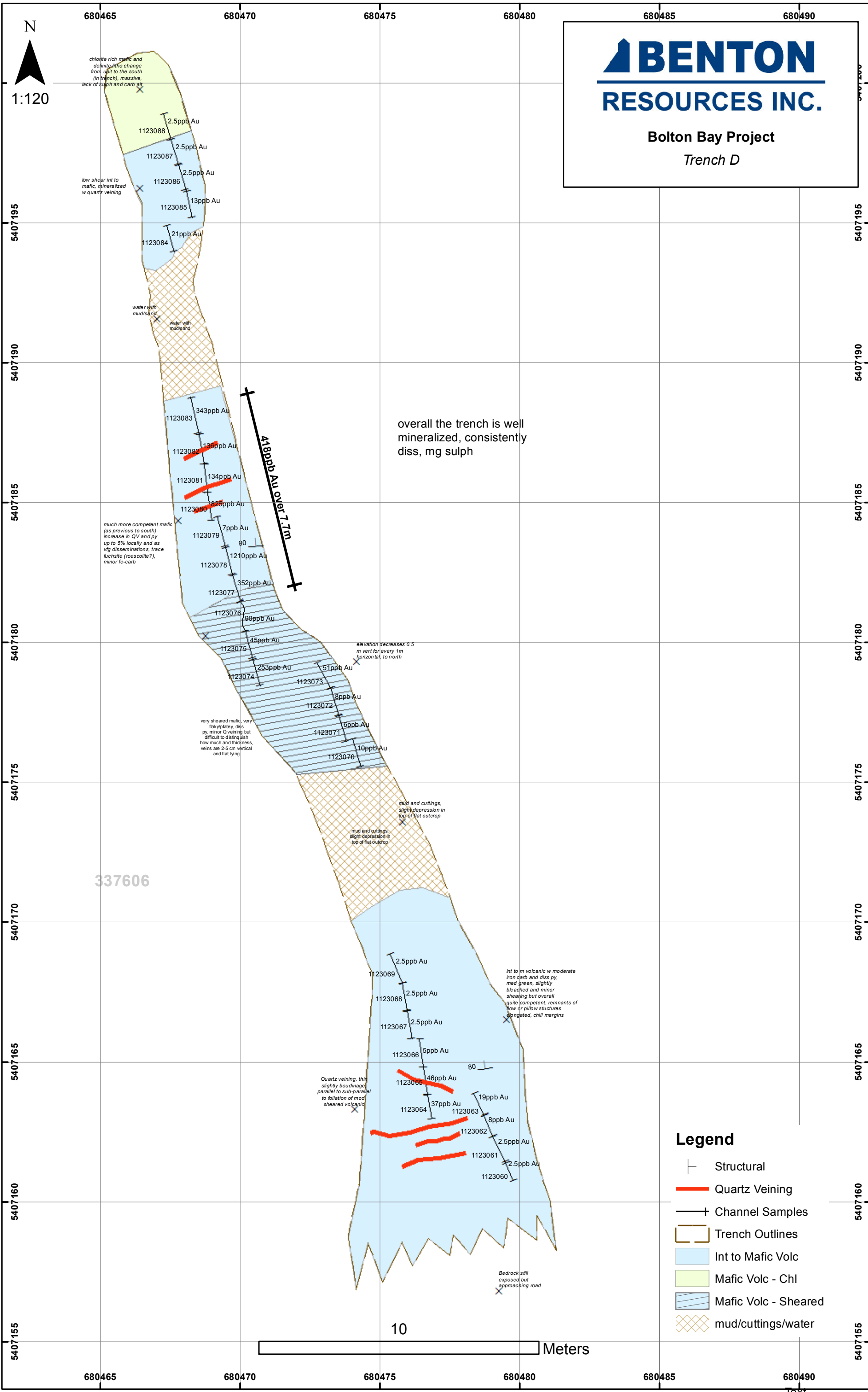
massive green
int-mafic volc
(Andesite), diss py

Legend

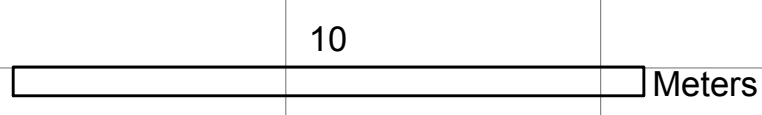
- Structural
- Quartz Veining
- Channel Samples
- Historical_Trenches
- Trench Outlines
- Andesite
- Quartz Breccia

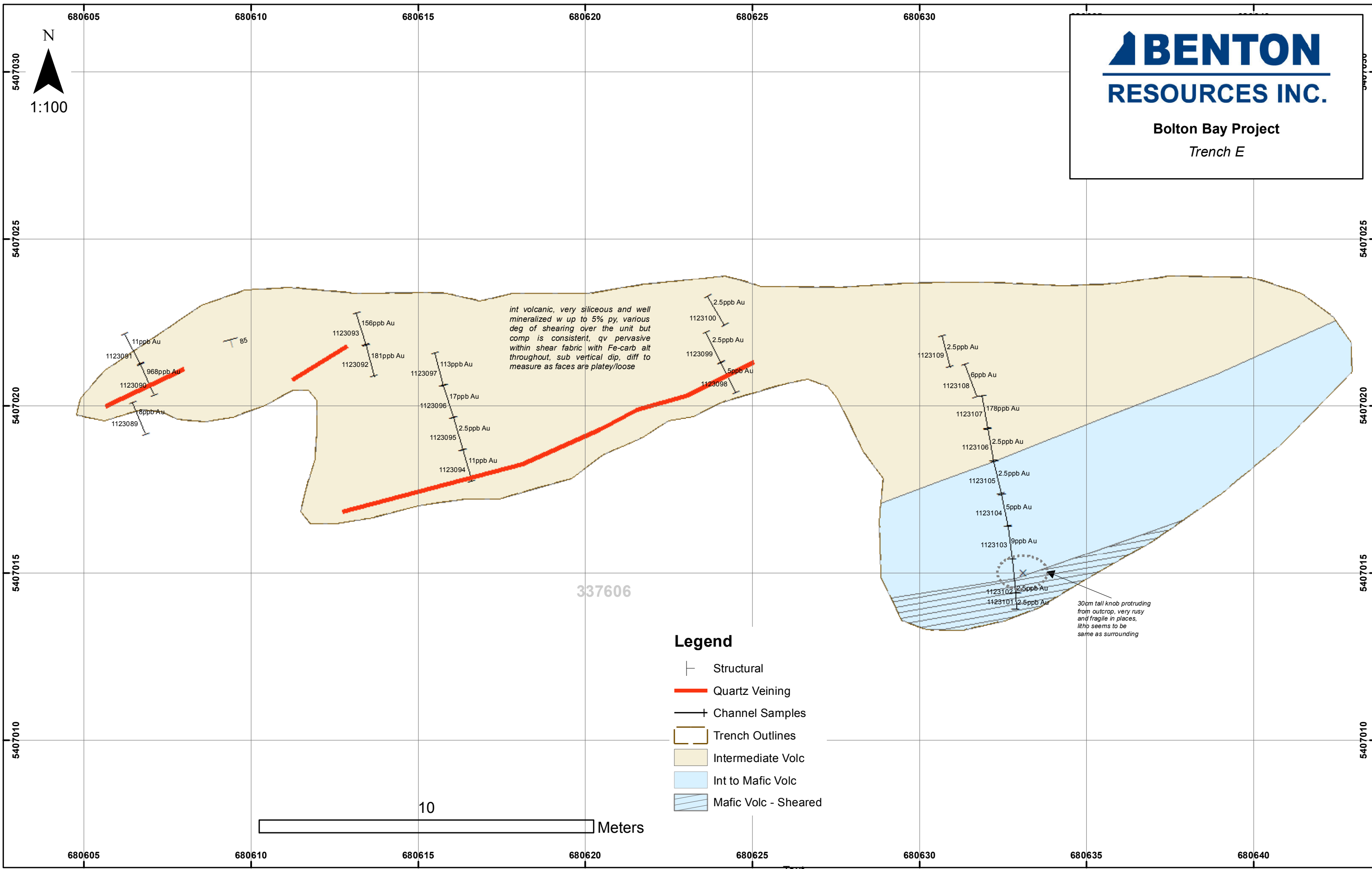
10

Meters



- Legend**
- ┆ Structural
 - Quartz Veining
 - ┆ Channel Samples
 - ▭ Trench Outlines
 - Int to Mafic Volc
 - Mafic Volc - Chl
 - ▨ Mafic Volc - Sheared
 - ▧ mud/cuttings/water

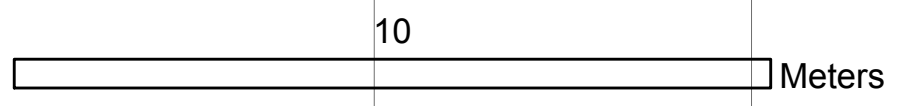




337606

Legend

- Structural
- Quartz Veining
- Channel Samples
- Trench Outlines
- Intermediate Volc
- Int to Mafic Volc
- Mafic Volc - Sheared





1:60

680370

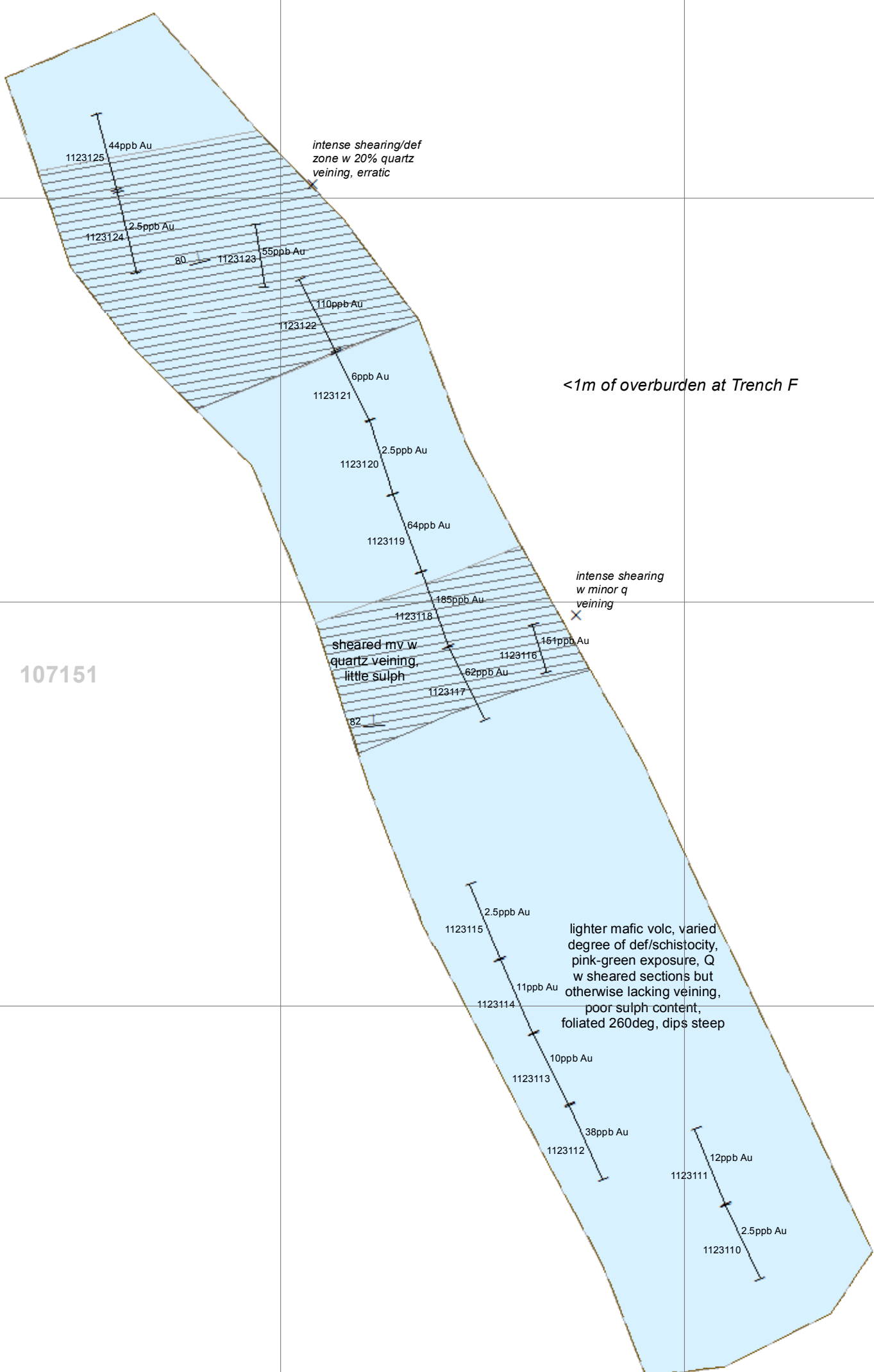
680375

680380

BENTON RESOURCES INC.

Bolton Bay Project
Trench F

a small wetland is
immediately north
of the trench
X



Legend

- Structural
- Quartz Veining
- Channel Samples
- Trench Outlines
- Int to Mafic Volc
- Mafic Volc - Sheared

6

Meters

680370

680375

680380

5406890

5406895

5406900

5406905

5406890

5406895

5406900

5406905



1:60

680135

680140

680145

BENTON RESOURCES INC.

Bolton Bay Project
Trench G

5407095

5407095

5407090

5407090

5407085

5407085

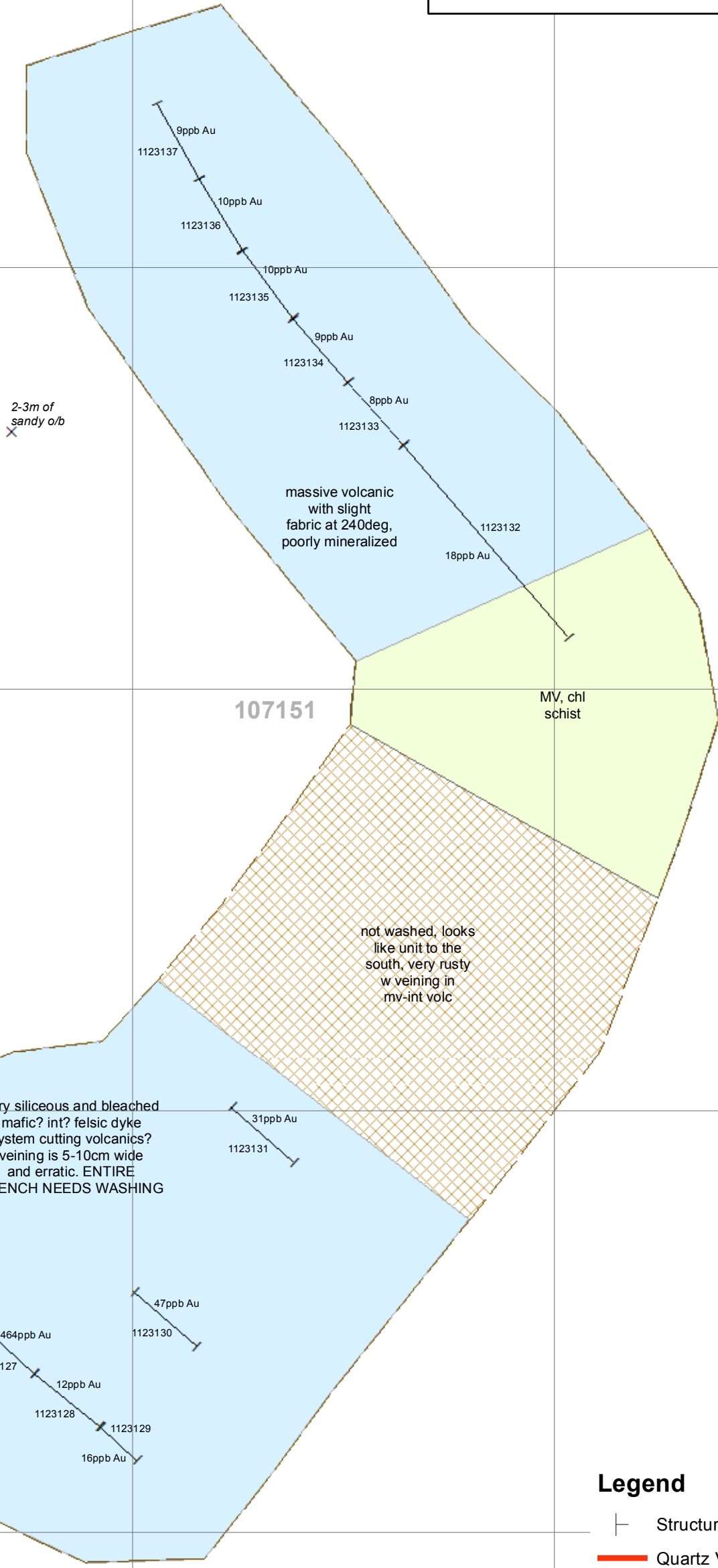
5407080

5407080

680135

680140

680145



Legend

- Structural
- Quartz Veining
- Channel Samples
- Trench Outlines
- Int to Mafic Volc
- Mafic Volc - Chl
- mud/cuttings/water

6

Meters