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## Diamond Drill Report

### BIG DUCK LAKE PROPERTY

#### Rope Lake Area

### Thunder Bay Mining Division

UTM Zone 16, NAD83

477238 mE, 5427580 mN

**PREPARED BY:**

**Andrew Tims, P.Geol**

**January 20<sup>th</sup>, 2018**

## **SUMMARY**

This report presents and discusses the results of a 4-hole, 512 metre BQW diamond drill program conducted by GTA Resources and Mining (GTA) on the Big Duck Lake Gold property, in the Rope Lake Area conducted between November 12<sup>th</sup> and December 6<sup>th</sup>, 2017. The Big Duck Lake Property is located 25 km north of Schreiber, Ontario and 2.5 km northeast of the Winston Lake mine site.

The Big Duck Lake property consists of 65 claim units, within the Hemlo-Schreiber Greenstone Belt centred, on an altered gold-rich porphyry system. The property covers six kilometres of prospective geology containing numerous gold and base metal showings, including the Coco-Estelle gold zone, with a historic resource of 53,700 tonnes grading 10.7 g/t gold.

The purpose of this work program was to test the plunge potential of the Coco-Estelle gold zone. The work program was highly successful with results of 1.96 grams per tonne (g/t) gold over 11.0 metres (m) in hole BD17-01, 5.90 g/t gold over 5.0 m in hole BD17-02 and 3.05 g/t gold over 8.0 m in hole BD17-03. A second composite lower down in drill hole BD17-01 returned a bonanza value of 823.1 g/t (26.339 oz/ton) gold over a core length of 0.5 m, within a larger interval of 1.3 m grading 320.1 gold g/t.

A two-part follow-on work program is proposed, totalling \$1 825 296. Firstly, the drill delineation of the plunging high-grade core within the Coco Estelle zone, consisting of twenty-eight additional drill holes plus the twinning of ten historical holes to confirm previous assay results. Secondly, the drill testing of induced polarization anomalies along strike east and west of the Coco Estelle zone plus induced polarization targets parallel to the Coco-Estelle zone in and along the southern margin of the porphyry complex.

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## **INTRODUCTION**

This report presents and summarizes the results of a 4 hole, 512 meter BQW diamond drill program conducted by GTA Resources and Mining, (GTA,) on the Big Duck Lake Gold property, located 25 km north of Schreiber, Ontario, (Figure 1).

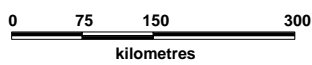
The drill program was conducted between November 12<sup>th</sup> and December 6<sup>th</sup>, 2017. Andrew Tims P. Geo of Thunder Bay, Ontario managed the program. Wayne Reid, Vice President Exploration for GTA Resources designed the work program.

## **LOCATION, ACCESS AND PHYSIOGRAPHY**

The Big Duck Lake property is located 25 km due north of Schreiber, Ontario and 2.5 km northeast of the Winston Lake mine site. It lies within the Thunder Bay Mining Division, centred on NAD83 UTM Zone 16 coordinates 477238mE and 5427580mN on NTS map sheet 42E/03 and 42D/14 (Figure 2). The unpatented claims are located in Rope Lake (G-0609) and Pays Plat Lake (G-0606) areas, northwestern Ontario, and fall within the Ministry of Natural Resources Administrative District of Nipigon and the Ministry of Northern Development and Mines, Thunder Bay Mining Division.

Access to the north shore of Big Duck Lake can be accessed following the main mill road from Terrace Bay to the kilometre 24 marker and taking the turnoff to the left. This secondary logging road is then followed to the kilometre 35 marker, where the trail access point is a driveway on the left. A former Kimberly-Clark logging road now only supports ATV traffic accesses the claims 5.3 kilometres to the west-southwest. The work completed in this report occurred was approximately 10.1 kilometre from the truck park and used a previously constructed drill trail extending off of the former logging trail. Note that the drill trail along the north shore of Big Duck is used and maintained by a local fur trapper as a trap line.

As of 2017, caution must be used when using the access route as a culvert site along the former logging road is now considered a stream crossing by the Ministry of



<b>GTA RESOURCES AND MINING INC</b>			
<b>BIG DUCK LAKE PROPERTY</b>			
<b>LOCATION MAP</b>			
<b>NOMEX-</b>	Date: DEC 2018	Scale: 1:8,000,000	Figure <b>1</b>
	U.T.M. Zone: UTM 16 - NAD83	Wiring District: THUNDER BAY	
	N.T.S.: 47D/11, E/3	State/Province: ON	

Natural Resources, due to the new and revised Brook Trout fishery regulations. An application must be made to place a suspended structure over the former culvert site. Crossing pads 3-4 m were acceptable.

Topography is moderate, with elevations ranging between 430 metres on Big Duck Lake to over 530 metres on some hilltops to the west of Big Duck Lake. Vegetation consists of balsam, alders, birch, black spruce, limited white pine and small shrubs and brush. The area has a continental climate regime, with cold winters and warm summers. Annual precipitation totals about 90 cm. The property can be accessed by ATV and worked year round but logistically for heavy equipment winter access is the least difficult.

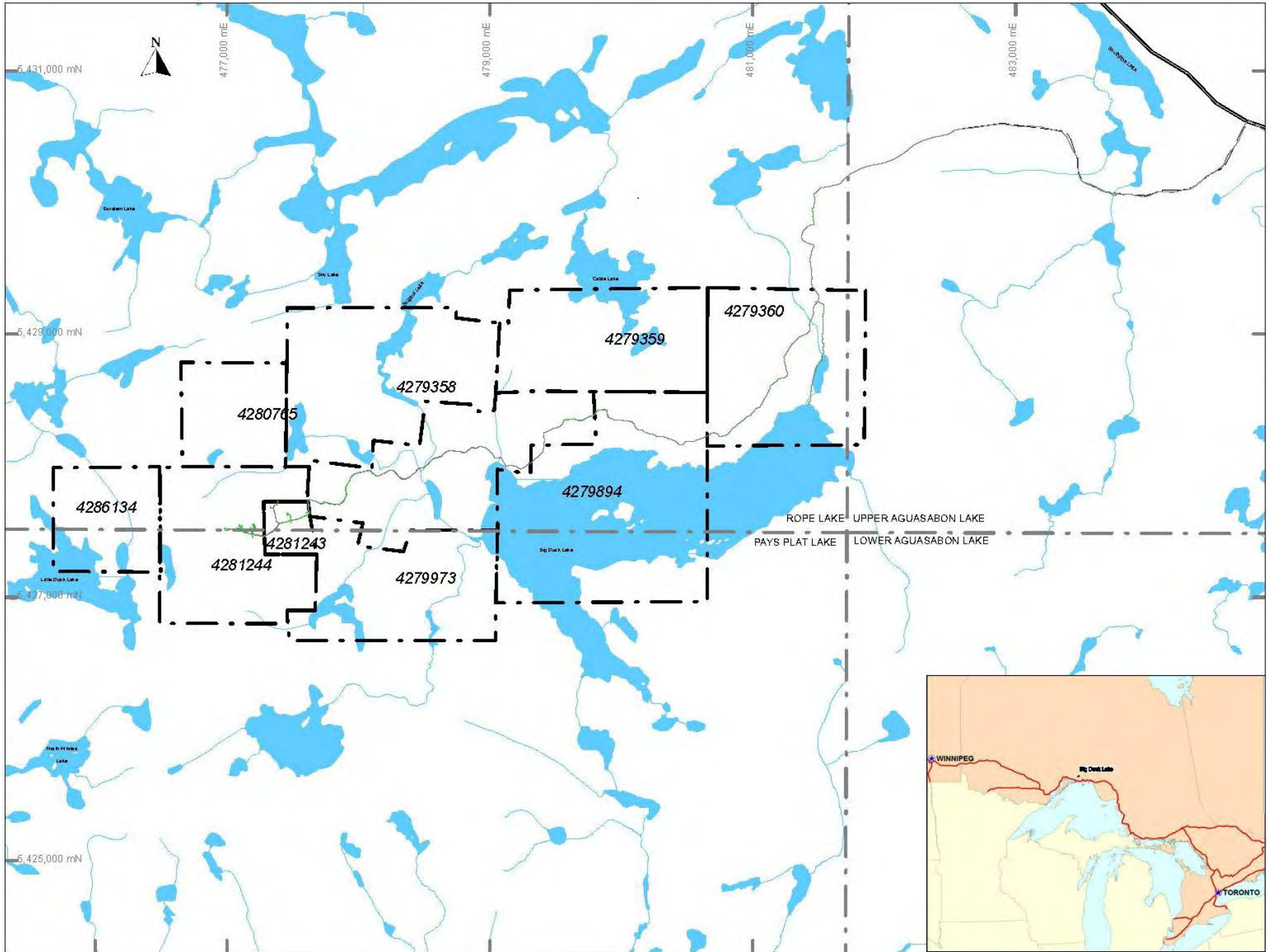
## CLAIMS AND OWNERSHIP

The property (Figure 2) is composed of 65 claim units, in 9 mining claims which lie within the Thunder Bay Mining Division. The property is optioned from prospectors: Brian Fowler, Jason Shaver and William Roberts.

**Table 1**  
**Big Duck Lake Claims List**

Township	Claim Number	Claim Due Date	Work Required	Total Applied	Reserve
Pays Plat Lake	4279973	2018-Nov-18	\$2,800	\$0	\$0
Rope Lake	4279358	2018-Dec-31	\$4,000	\$0	\$0
Rope Lake	4279359	2018-Dec-31	\$3,200	\$0	\$0
Rope Lake	4279894	2019-Feb-16	\$5,600	\$0	\$0
Rope Lake	4280765	2018-Nov-18	\$1,600	\$0	\$0
Rope Lake	4281243	2019-Feb-15	\$400	\$0	\$0
Rope Lake	4281244	2019-Feb-15	\$3,200	\$0	\$0
Rope Lake	4286134	2019-Feb-15	\$1,600	\$0	\$0
Upper Aguasabon Lake	4279360	2018-Dec-31	\$3,600	\$0	\$0

Figure 2 Property Claim Map





## PREVIOUS WORK

Exploration for both gold and base metals in the Big Duck Lake area has been carried out intermittently since the discovery of the Zenith zinc deposit at Kenabec Lake in the late 1880's (Pye, 1964). The majority of gold exploration on the Big Duck Lake property has focused on the Coco-Estelle Zone located west of Big Duck Lake. Table 3 summarizes all documented exploration work carried out on the Big Duck Lake claims.

**Table 2: Big Duck Lake Historical Exploration Work**

Year	Program
1946	Sandenise Gold Mines Ltd. diamond drilling Coco-Estelle showing.
1951	Magnet Consolidated Mines Ltd. tested mineral occurrences around Little Duck Lake.
1955	Stratmat Limited completed 16 holes, total meterage unknown.
1957	Canamine Explorers Ltd. performed airborne and ground electromagnetic geophysical surveys.
1958	Canabel Syndicate performed mapping, trenching and minor diamond drilling.
1959	KRNO Mines Ltd. drilled Coco-Estelle
1959-60	Kinasco Mines drilled 56 holes totalling 4,500 meters, primarily on the Coco-Estelle and Church zones.
1983	Noranda completed a HLEM and a magnetometer geophysical surveys, then ownership transferred to Corporation Falconbridge Copper, which in turn, completed 190 km of geological mapping, , and stripping.
1984	Corporation Falconbridge Copper completed an additional 95 km of geological mapping, HLEM and magnetometer geophysical surveys. In addition, 17 diamond drill holes totalling 3,082 meters were drilled.
1985	Corporation Falconbridge Copper drilled 12 diamond drill holes totalling 2,020 meters.
1986	Corporation Falconbridge Copper drilled 16 diamond drill holes totalling 2,622 meters.
1987	Corporation Falconbridge Copper drilled 12 diamond drill holes totalling 2,077 meters.
1990	Douglas Ritcey completed a M.Sc. Thesis entitled "Geology and Mineralization in the vicinity of Big Duck Lake". Corporation Falconbridge Copper completed a 38.4 line km Induced Polarization survey.
1993	Metall drilled 10 diamond drill holes totalling 2,163 meters.
1996-97	Battle Mountain re-logged 11 holes and took additional samples, focusing on gold. A mapping program and a 16.8 line km IP survey were carried out over these two field seasons.
1999-03	OGS performs regional EM and Magnetics Survey which includes the Big Duck Lake Area
2001	Ground is re-staked by a consortium of six partners, with the claims registered by Michael and Steve Stares. Minor basic prospecting was performed on the property.

2003	Tri Gold optioned The Big Duck Lake property. A trenching and sampling program is performed to follow up on prospecting generated targets. 35 line-km of grid is cut on a portion of the property.
2004	Tri Alpha Investments Ltd. contracted C.J. MacDonald to perform a data compilation and limited reconnaissance work of the property, followed by a trenching program. Tri Gold continued the trenching and sampling program. Structural interpretation was performed by Palmer (2005) in and around the trenched areas.
2005	Tri Gold Resources contracted Henry Marsden to perform surface mapping. An additional 7 holes totalling 1,014 metres of diamond drilling was undertaken (Tims 2005). 2003 grid is expanded to 47 line km and an IP survey is performed over the entire grid.
2006	Tri Gold Resources contracted Equity Engineering Ltd to carry out trenching mapping and channel sampling as per the recommendations of Marsden (2005).
2007	Tri Gold Resources continued with Equity Engineering Ltd to supervising a 17 drill hole, 3484.5 m, drill program.

## REGIONAL GEOLOGY

*Adapted from Kutluoglu. 2007*

The Big Duck area is part of the Archaean Wawa geological subprovince, which occurs immediately south of the Quetico sedimentary subprovince (Figure 3). East-west striking lithologic units of predominantly volcanic and sedimentary units divided into two assemblages dominate the Schreiber-Hemlo Greenstone belt, which is part of the Wawa subprovince. Within the Schreiber- Hemlo greenstone belt, the Schrieber Assemblage is comprised of volcanic and associated sedimentary rocks that underlie the Big Duck Lake area. This assemblage is equivalent to the Hemlo Assemblage but the Coldwell Alkalic Intrusive complex separates the two geologic units. The belt is bounded, and partly intruded by, granitic to granodioritic intrusions, related gneisses and granitic pegmatites. Most of these are large, complex batholiths and are thought to post-date deposition of the greenstone units by as much as 100 Ma. The later Coldwell Alkalic Intrusive Complex has been dated at ca.1100 Ma (Sage, 1991).

The Schreiber Assemblage consists of narrow, arcuate segments of upper greenschist to amphibolite grade volcanic and sedimentary assemblages that are comprised of three principle rock types: mafic volcanic rocks of tholeiitic composition, mafic to felsic rocks of calc-alkalic composition and sedimentary rocks. The rocks in the Schreiber assemblage are considered to be the same age as those in the Hemlo area,

where volcanic rocks are dated at 2685-2693 Ma, sedimentary rocks at 2690 Ma and granodioritic intrusions. Gold mineralization and structural deformation associated with the gold mineralization are thought to have occurred around 2680 Ma (Davis and Lin, 2003). Williams, et al (1991) have dated felsic volcanic rocks near the Winston lake mine at ca. 2720 Ma which is similar to ages obtained for rocks at the Geco Mine.

The Schreiber-Hemlo Greenstone Belt was intruded by several small porphyritic bodies that are syn- or slightly post-volcanic, in contrast to larger, syn- to post-tectonic batholiths surrounding the greenstone belts. Diabase dykes, believed to be of Keweenawan age, are exposed in several localities in the Big Duck Lake area, where they are several kilometres in length. These dykes are steeply dipping and show a variable trend based on their locality.

## **Property Geology**

The Big Duck Lake property is mainly composed of thick sequences of mafic volcanic rocks, as massive and pillowed flows and clastic sediments that are presumed to be related to the Keewatin orogeny (Pye, 1964). These rocks have an overall westerly strike and a variable dip of between 60° to 80° to the north. These volcanic rocks include massive flows, moderate to strongly foliated units, and fragmental textures. The relatively massive to weakly foliated flows are of variable thickness and contain some minor fragmental portions or strongly foliated portions, typically related to a shear zone, or contact with the other units.

The property contains gabbroic and amphibolitic intrusions in the southern and northern portions that are believed to be related to be pre-Algoman age orogeny. These volcanic and sedimentary rocks are intruded in the main part of the property by the quartz phyrlic intrusives of Algoman age (Pye, 1964), as most of the feldspar were found to contain considerable muscovite after plagioclase alteration.

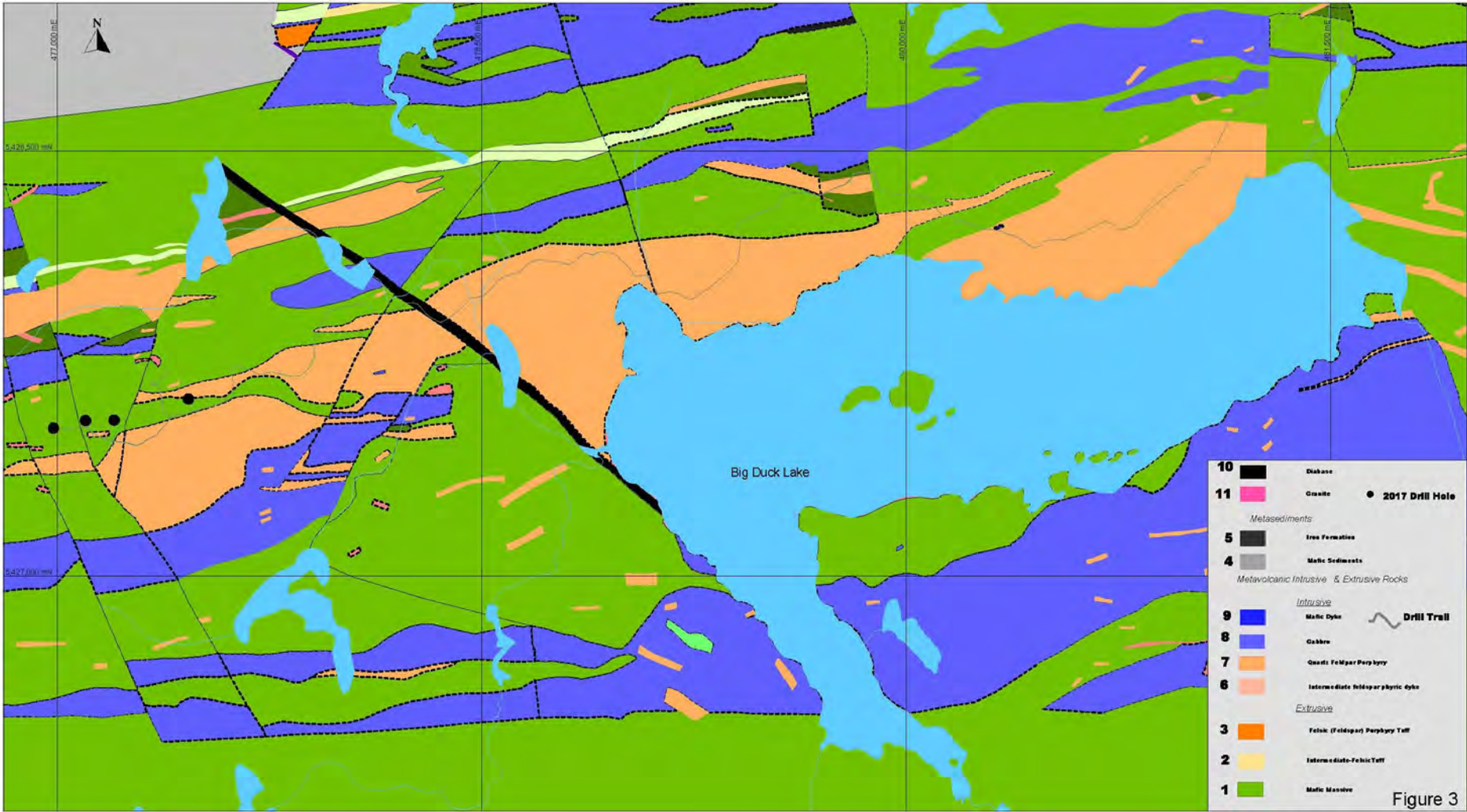


Figure 3

Figure 3 Property Geology

Isolated north-northwest trending diabase dykes cut all of the older rock types.

The felsic quartz (- feldspar) porphyritic rocks form E-W oriented sills that are parallel to the strike of foliation and bedding in the country rocks. A 3.5 km long, 400 m wide body (Big Duck Lake Porphyry) is located along the north shore of Big Duck Lake and is the largest of these units within the area (DeGagne, 1997). The unit is comprised of quartz (and feldspar) phenocrysts set in a finer groundmass of quartz, feldspar, and biotite. The Big Duck Lake Porphyry has been affected by four styles of alteration including sericite, biotite, silica and epidote. There is generally a lack of feldspar phenocrysts as a result of the alteration overprint.

Quartz phenocrysts tend to be preserved throughout the alteration and become more pronounced, occurring as distinct "quartz eyes" within the altered groundmass. Disseminated pyrite is ubiquitous throughout. The heaviest concentration of pyrite occurs within sericite-altered porphyry adjacent to fragmental volcanic units. Locally, sections of the porphyry display an anastomosing pattern of biotite and/or quartz filled fractures. These fractures tend to contain minor fine grained, subhedral pyrite.

A series of nine fragmental units, primarily comprising QFP fragments with subordinate mafic fragments in a biotite-rich mafic volcanic occur interfingering and along the northern contact of the main porphyry body with the mafic volcanics. Individual fragmental units have widths of up to 60 m and strike lengths of up to 500 m. The units typically contain 1-5% pyrite and locally have minor chalcopyrite.

### ***Lithologies***

- 13 Diabase: Fine to medium-grained, aphanitic, dark grey-green mafic dykes, typical composition is dominated by pyroxenes and plagioclase lathes
- 12a Granodiorite: feldspar-phyric igneous rock with minor quartz and biotite, typically massive.
- 7a Quartz Porphyry: quartz-phyric igneous rock, typically granitic to monzonitic with variable Py content and sericitization.

- 2a Pillowed to Massive Mafic Volcanic Rocks: fine-grained unit with rare pillow structures. More obvious pillows have been epidote-altered and stand out as a light green relative to the overall dark green colour of the unit.
- 2b Mafic Volcanic Tuff to Lapilli Tuff: Variably-sized fragments from mm to cm-scale. Fragment to matrix dominated fine to medium-grained groundmass, typically with moderate to strong biotite content.
- 2aPy (Coco-Estelle Zone) Moderate to weak biotite and silica alteration of a sheared mafic volcanic, locally hosting 4-5% disseminated pyrite plus millimetre-scale quartz-sulphide veins, +/- chalcopyrite. Weak pervasive ankerite is present throughout as a later overprint.

### **Structure**

The most obvious structural feature at Big Duck Lake is a penetrative west striking, north dipping foliation. This foliation is pervasive and is best developed around discrete shear zones up to several metres wide. Away from the shear zones, recognizable original textures, including weakly flattened pillows indicate relatively weak deformation. Shear zones have been mapped striking 270° and 230° with a variable dip from 50° to 80° N. The shear envelop consists of an overall dominant shear with some areas exhibiting anastomosing, stacked narrow shears. The dominant shear zones average 1 to 4 m in width. The shear commonly occurs in a sulphidized fragmental unit or a mafic volcanic rock along a quartz porphyry contact but also in altered, fractured and mineralized porphyry.

The main shear is part of a wide zone of foliated rock with numerous subparallel minor sulphidized shears that are present for the entire length of the property. Deformation in the shear zone includes a strong component of elongation. Fragmental rocks all display a strong lineation with a plunge from 45° to 70° trending 070° to 85° (Marsden, 2005) .

A second shear direction is present deforming the main 260° fabric at the Beaver East and Burstrom showings. The shear fabric has been rotated into a 020°-040°/steep shear with significant sulphide enrichment. Although not apparent in the main

trenches, this may be an important element at the property scale (Marsden, 2005).

### ***Alteration and Mineralization***

The auriferous mineralization in the Coco-Estelle zone is structurally confined to moderate to strong shears immediately adjacent to or intercalated along the contact with the property wide Quartz (-feldspar) porphyry sill. The host mafic volcanic lithology is strongly foliated and overprinted by a pervasive pre-ore biotite and carbonate alteration, with magnetite being replaced by pyrite. Silicification as pervasive quartz-ankerite overprints the biotite alteration. A broad zoning is present with the biotite alteration extending well into the weak to moderately foliated volcanics. The silicification event is generally restricted to moderate to strong shear regimes. Pyrite as 1-2% fine to medium-grained disseminations is ubiquitous throughout the mafic volcanics, with a significant grain-size increase in the shear zones. The biotite alteration envelope will typically host 3-4% Py as irregular millimeter-scale stringers with minor centimeter-scale semi-massive Py stringers. Pyrite stringers within the silicified biotite section tend to host trace fine-grained blebby chalcopyrite. Highly strained quartz porphyry dykes in the immediate hanging wall to the Coco-Estelle Zone tend to host millimetre-scale grey quartz veinlets carrying trace chalcopyrite+/- gold.

The high grade gold sample (E5570390) in BD17-01 is hosted in late stage quartz-ankerite overprinting (<1 metre wide) and is associated with anomalous silver, telluride (sylvanite) and bismuth.

Where quartz porphyry dykes cut through the mineralization the intrusives are strongly sericitized with weak pervasive ankerite.

## WORK PROGRAM SUMMARY

The drill contractor, Rugged Aviation, arrived at the property access point on November 13<sup>th</sup>, 2017 and proceeded clearing the trail to the first drill hole, BD17-01. The access route was not completed until November 23<sup>rd</sup> due to a combination of rough terrain, eleven years of forest re-growth after the last drill program and a temporary interruption due to a Ministry of Natural Resources stop work order. Diamond drill hole BD17-01 started on November 24<sup>th</sup> with drill hole BD17-04 finishing on December 4<sup>th</sup>, 2017. Rugged Aviation was contracted to perform the diamond drilling using a *JKS Super 300* rig. A CAT 650 wide-track Dozer and a Link-Belt 160 excavator pulled the drill rig, rod sloop and water pump shack the 10.4 kilometres onto the first dill hole. The drilling crew made camp at the roadside access point. The four drill holes, 512 metre BQTW, tested the down plunge potential of historical drill intercepts.

Diamond drill holes BD17-10 to BD17-03 are located on staked mining claim 4281244 with BD17-04 located on claim 4281243, all in Rope Lake Area (G-0609). Diamond drill logs are located in Appendix 1 while assay certificates with gold and ICP results are listed in Appendix 2.

A total of 347 samples were taken for Au fire assay with an ICP-OES finish. Sample lengths averaged 1.26 metres. A subset of 142 samples out of the 347 samples submitted for gold assay were analyzed by Aqua Regia Digest and ICP-OES finish for base-metal and pathfinder signatures. Seventeen standards and blanks plus 18 duplicates were included in the sampling stream for quality control of the analytical results. Samples were delivered to AGAT Laboratories in Thunder Bay by courier or the by author. Drill hole locations are shown on Map #1, with four drill sections (Map # 2-5) illustrating the geology and assay results in Appendix 3.

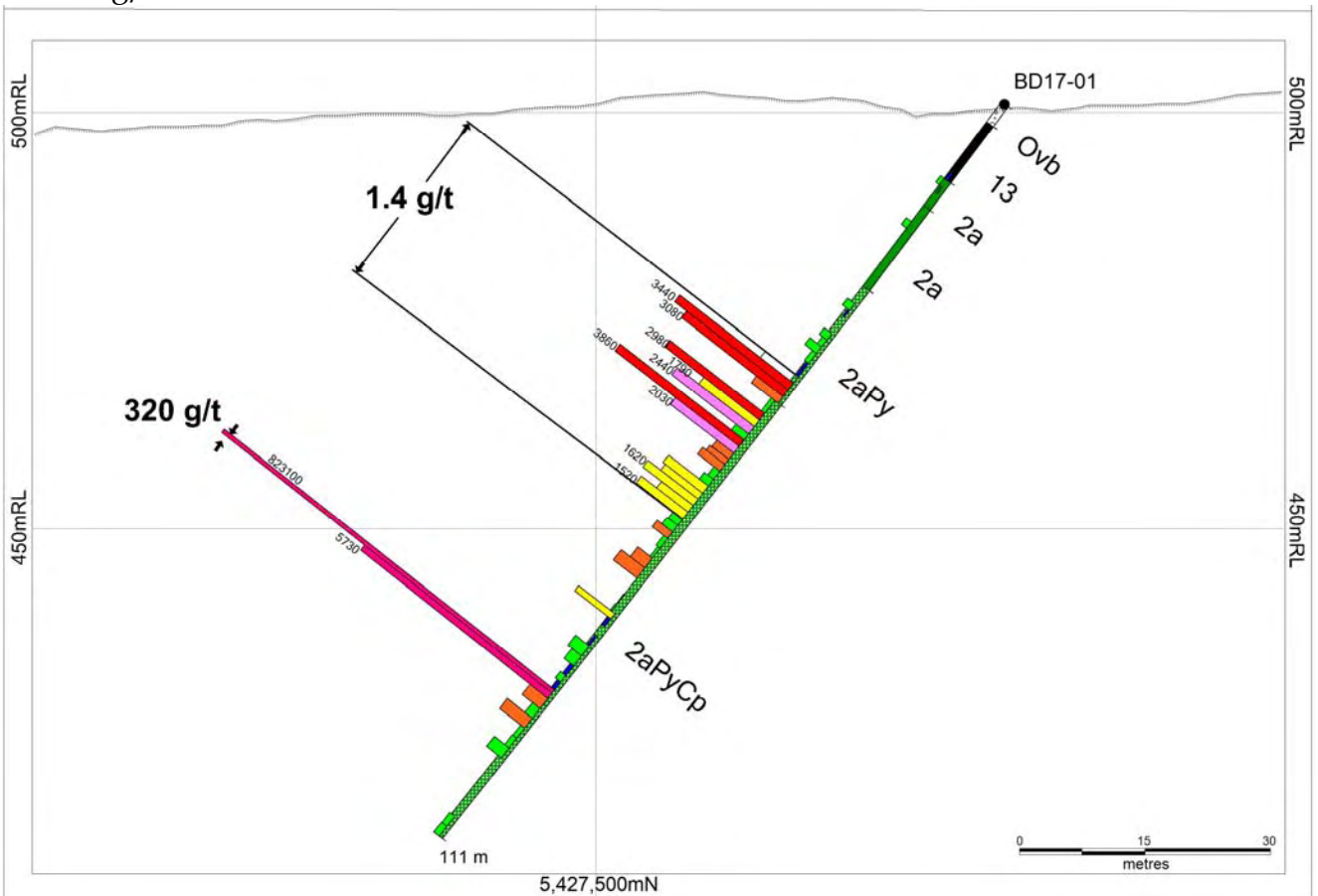
**Table 3**  
Diamond Drill Program Details

Hole ID	UTM Easting	UTM Northing	Azimuth	Dip	Depth
BD17-01	477099	5427549	177.2	-54	111
BD17-02	476985	5427522	177.2	-61	150
BD17-03	477200	5427550	173.2	-54	120
BD17-04	477462	5427625	177.3	-56.5	131



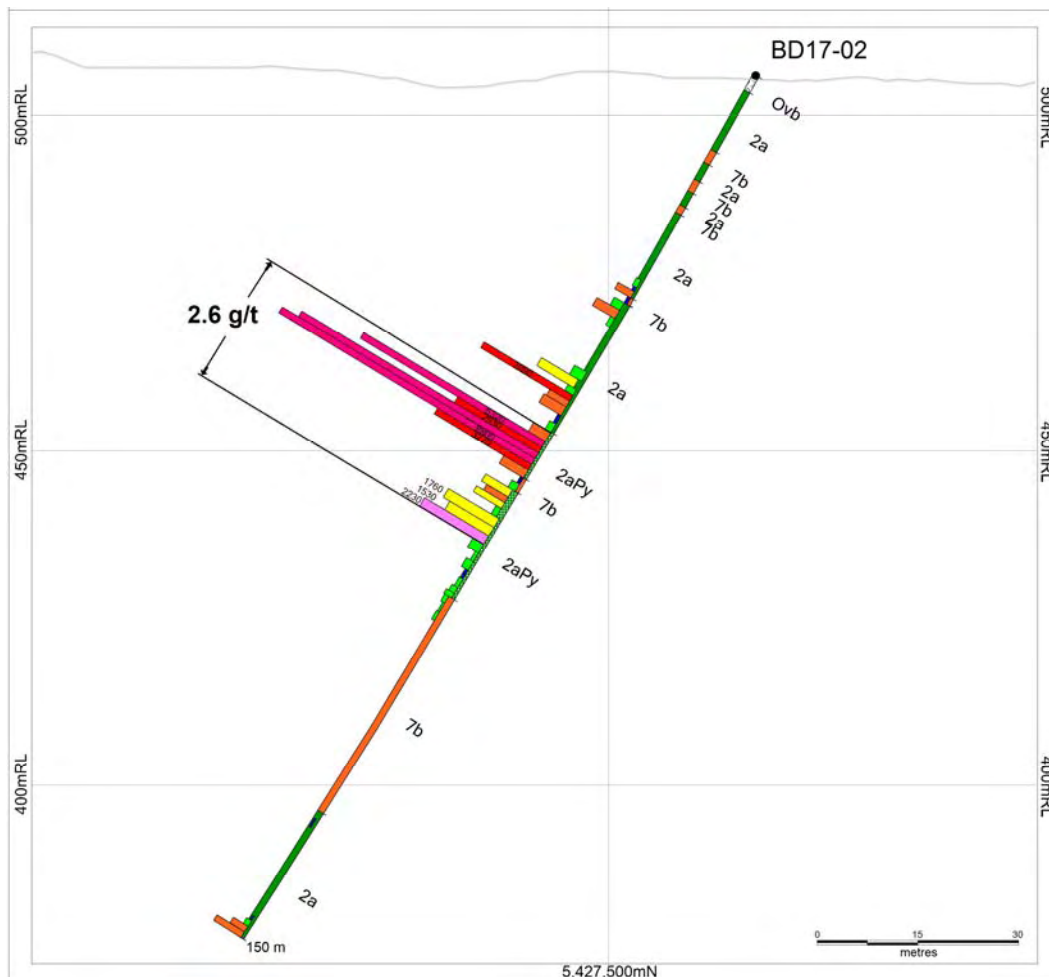
### Drill log Summary

Drill Hole *BD17-01* is located west of Big Duck Lake on claim 4281244 and was designed to test for shallow westward plunging mineralization. The hole was oriented at 177° to test the main shear, which is locally exposed in trenches. The hole collared into 13 m of diabase followed by massive and pillowed mafic volcanics to the end of the hole. Alteration after a fault at 35 m consists of moderate, pervasive, silica alteration overprinting moderate biotite alteration – Coco Estelle Zone. Weak to moderate pervasive ankerite alteration is present throughout. The biotite alteration wanes by 64 m with the silicification ebbing to weak to moderate over the meter-scale to the end of the hole. Visible gold was noted at 89 m as late stage fracture fill in a 90 cm interval of strong quartz-ankerite alteration. Composited assay results are 1.4 g/t over 11 m from 41 to 53 m. The VG interval produced a 1.3 m composited of 320 g/t from 88.7 to 90.0 m.



**Figure 4 Drill hole BD17-01 section with composite assays**

BD17-02 tested the same plunge potential at a deeper elevation 110 m to the west. The lithologies in this hole consist of alternating meter-scale mafic volcanics and quartz-porphphy dykes to 52.6 m, where strong pervasive ankerite and biotite alteration becomes dominate within the mafic volcanic. The Coco-Estelle zone continues to 74 m with only a 2.3 m wide quartz porphyry interrupting the mineralization at 69 m. The ankerite-biotite alteration is replaced by a weak pervasive carbonate and epidote alteration after a 2.9 m wide strong quartz-ankerite altered interval. A 35 m interval of weakly foliated quartz-feldspar comprised the footwall of the Coco-Estelle to 90.3 m, with mafic volcanics finishing the hole at 150 m. A composited assay of 2.6 g/t over a core length of 19.6 m starting at 61.4 m was produced with a maximum assay of 8.8 g/t over a one-metre sample.



**Figure 5 Drill hole BD17-02 section with composite assay.**

BD17-03 intersected mafic flows and tuffs cut by metre-scale quartz porphyry dykes to a depth of 63 m. An 8.9 m wide strongly foliated quartz porphyry at 48.9 m hosted trace chalcopyrite within a grey quartz veinlet. The characteristic silicified biotite alteration of the Coco-Estell zone was present between 63 and 75 m. A rare colloform quartz-ankerite vein, 20 cm wide, cut the core at 20° TCA within the zone. The footwall mafic volcanics hosted minor biotite alteration on a centimetre-scale with carbonate and epidote alteration dominating 10 m after the Coco-Estelle. An 11.78 m composite assay of the Coco-Estell zone produced a value 2.4 g/t with a maximum assay of 5.1 g/t over 1 metre.

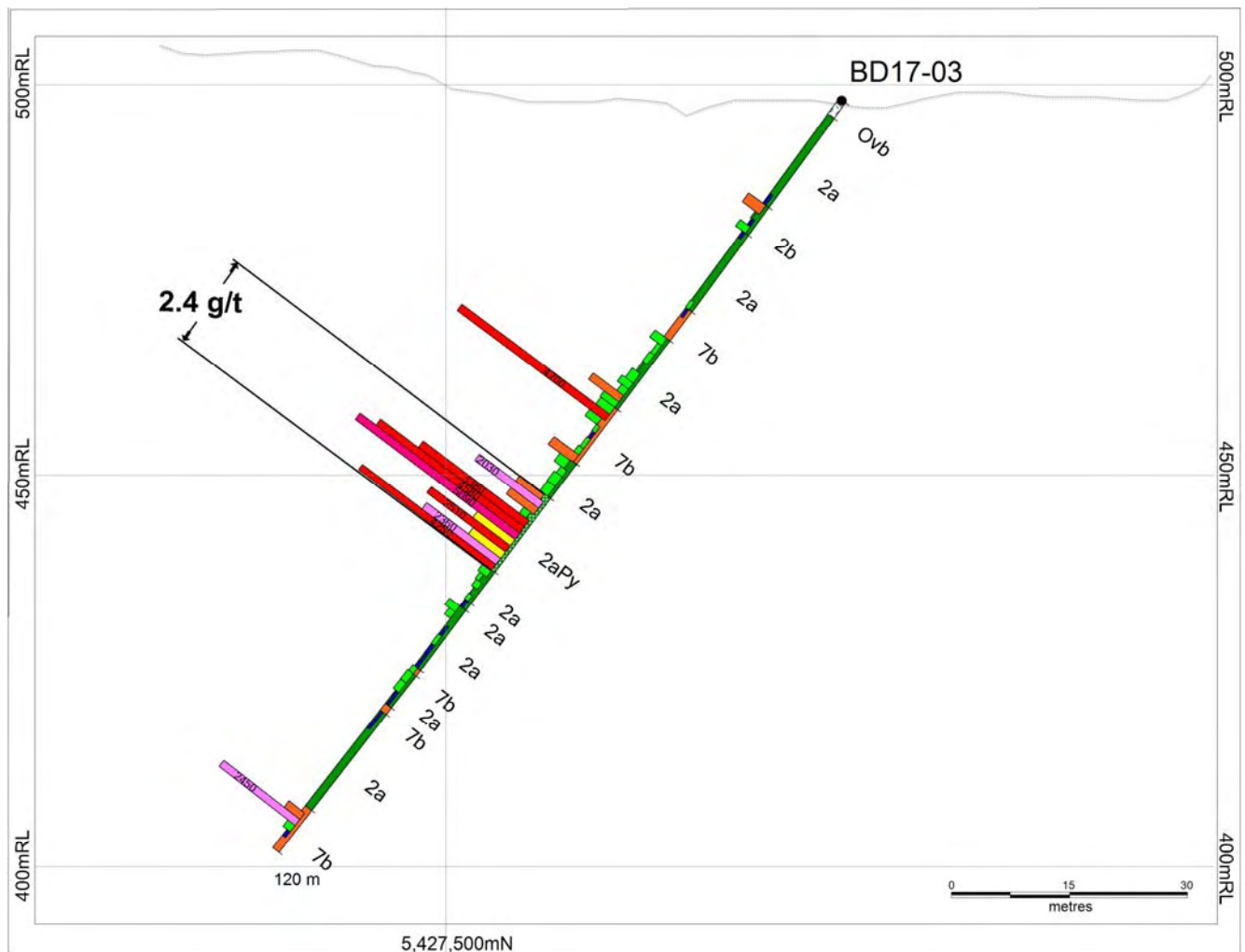


Figure 6 Drill hole BD17-03 section with composite assay.

Drill hole *BD07-04* contains quartz porphyry, mafic volcanic flows and fragmental lithologies. The porphyry was a massive medium-grained feldspar-biotite intrusive. There was weak biotite-ankerite alteration on the centimetre-scale, in the moderate to strongly foliated mafic tuffs. Any strain in the porphyry was limited to rare sharply defined centimetre-scale shears. The most significant gold assays produced a composite of 0.50 g/t over 4.5 m. A table of significant assays results is listed in Table 3 below.

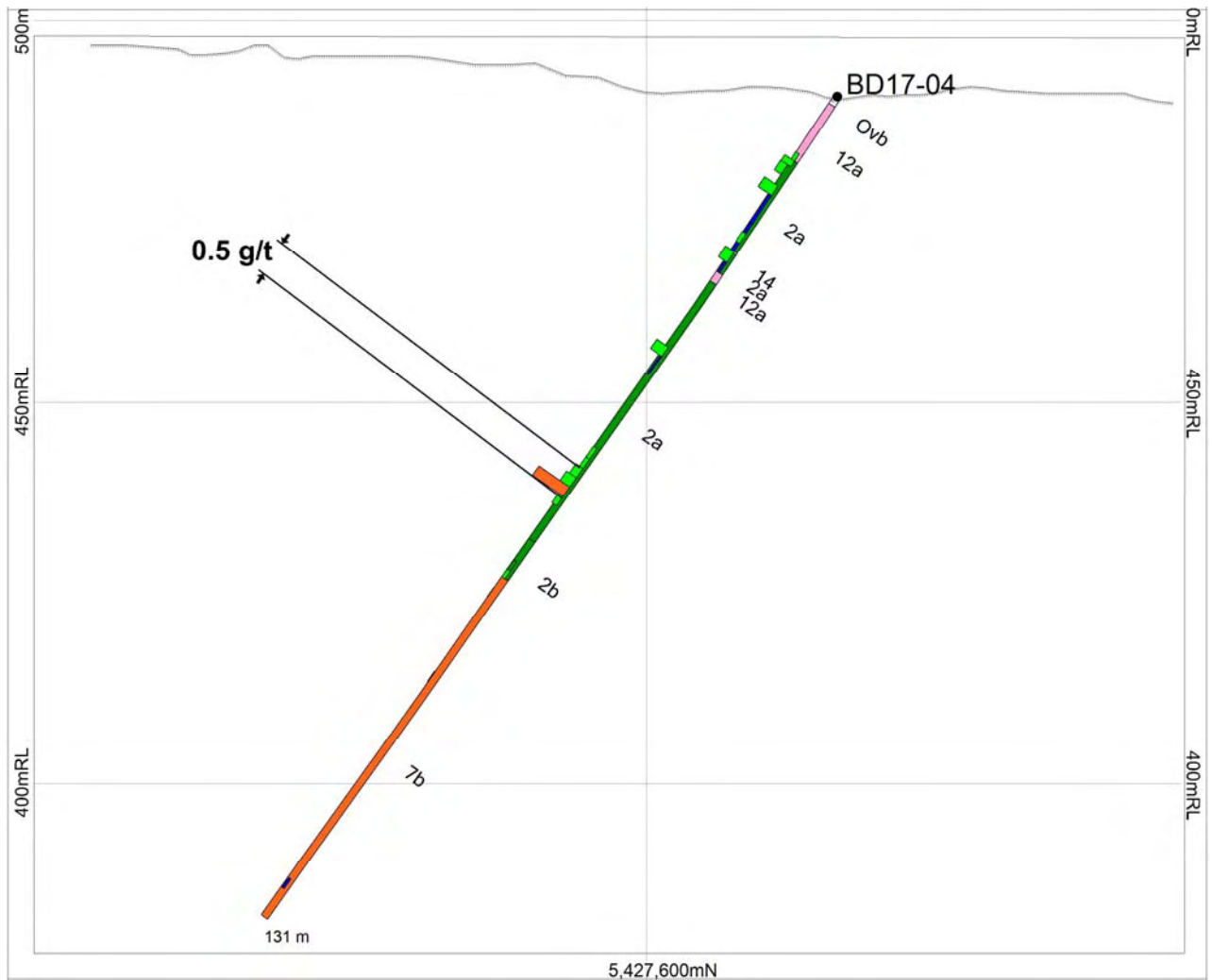


Figure 7 Drill hole *BD17-04* section with composite assay.

**Table 4**  
**Significant Assay Results**

Drill Hole	From (m)	To (m)	Interval (m)	Au g/t
BD17-01	41.0	63.0	22.0	<b>1.39</b>
incl.	41.0	53.0	12.0	1.70
incl.	42.0	44.0	2.0	3.26
and	<b>88.7</b>	<b>90.0</b>	<b>1.3</b>	<b>320.0</b>
BD17-02	61.4	80.0	19.6	2.65
incl.	63.0	68.0	5.0	5.9
BD17-03	<b>47.0</b>	<b>52.0</b>	<b>2.0</b>	<b>1.41</b>
incl.	50.0	51.0	1.0	4.70
and	<b>63.0</b>	<b>74.8</b>	<b>11.8</b>	<b>2.43</b>
incl.	67.0	70.0	3.0	4.35
BD17-04	<b>59.0</b>	<b>63.5</b>	<b>4.5</b>	<b>0.50</b>

## CONCLUSION AND RECOMMENDATIONS

The drill program was successful in testing the shallow westerly plunge of the Coco-Estelle high-grade mineralized core. Shear zones near the contact with the quartz-porphphy hosting 4-5% disseminated pyrite and chalcopyrite mineralization typify the overall mineralization. There is evidence of late stage high grade veining as evidenced by both the low angle colloform veining and the discordant quartz-ankerite bonanza grade telluride-bismuth vein. The induced polarization data from 2005 is a useful tool to expand upon the existing zone and locate additional interval of sulphidized shear zone. Locating and outlining any high-grade cores will be an exercise of prudent diamond drilling.

While mafic pyroclastic volcanic units seem to produce the broader intercepts of significant mineralization, highly strained quartz phyric dykes in the hanging wall carry anomalous gold values. In both rock types, a biotite alteration overprinted by quartz-ankerite identifies the Coco-Estelle zone. Further drilling is warranted.

# BIG DUCK LAKE PROPERTY COCO-ESTELLE ZONE VERTICAL LONGITUDINAL SECTION

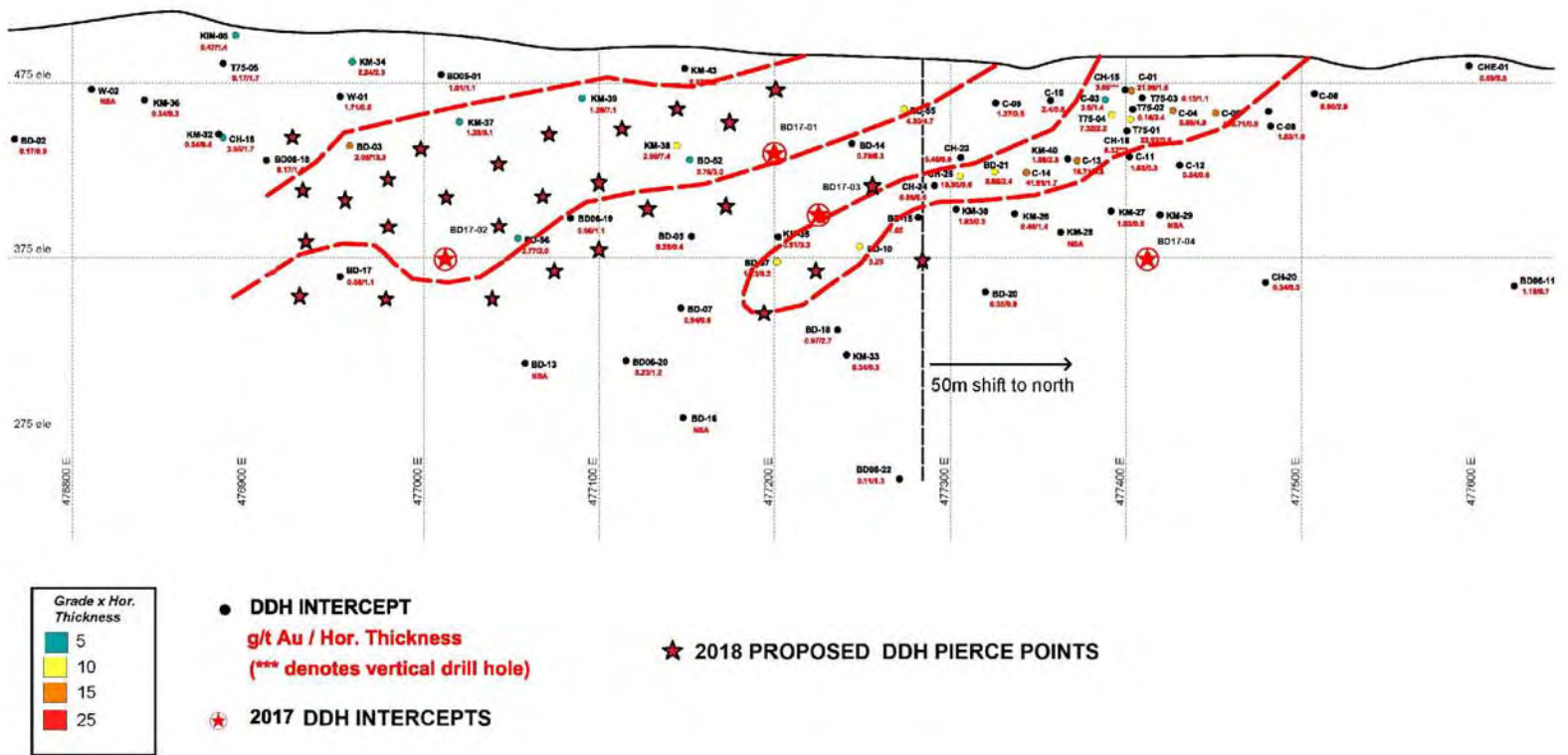


Figure 8 North viewing longitudinal section illustrating proposed drill hole pierce points for delineation of the Coco-Estelle zone.

As part of a two-phase work program, it is recommended to acquire, by option or purchase, the patented claims to the east of the Coco Estelle – TB2089 to TB2091. The goal of the work program is as follows:

1. To delineate the Coco Estelle high-grade plunging cores (figure 8) and;
2. Identify additional structures with gold potential either along strike or along parallel structures to the Coco-Estelle (figure 9). The budget below includes the option to ground-truth other IP target by prospecting and traditional “B” horizon soil sampling.

Table 5  
Proposed Budgets

***Coco Estelle Delineation***

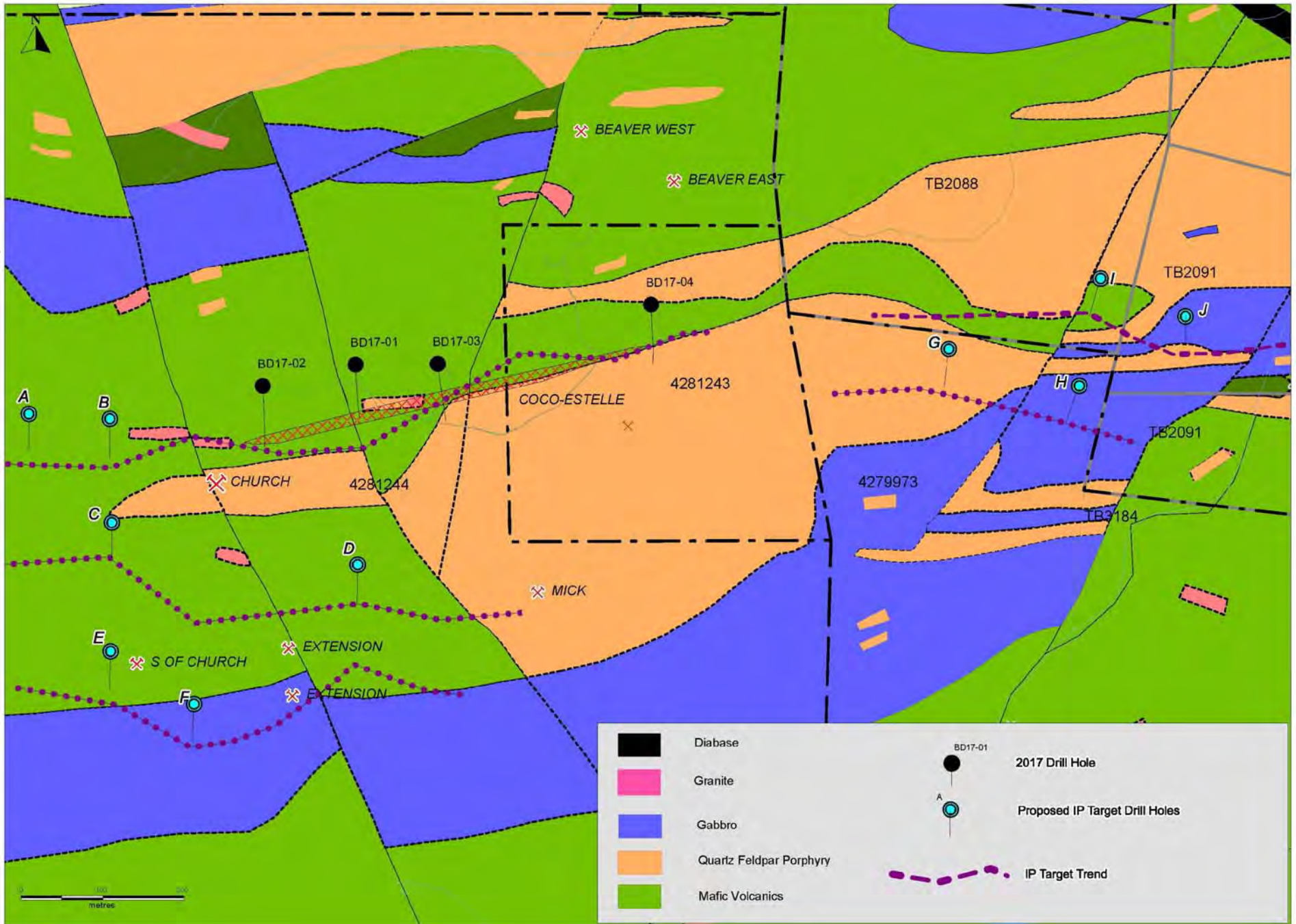
Item	Amount	Cost	Unit	Total
28 Infill DDH	4200	135	metre	567000
10 twinning DDH	2000	135	metre	270000
Au + ICP Analyses	2480	25	sample	62000
Field Expenses	6200	17.6	metre	109120
Geologist	575	70	day	40250
Core Technician	300	60	day	18000
	Contingency	10%		106637
				<b>\$1,173,007</b>

***IP Target Testing***

10 IP Target DDH	2500	135	metre	337500
Au + ICP Analyses	1000	25	sample	25000
Field Expenses	2500	17.6	metre	44000
Geologist	575	70	day	40250
Core Technician	300	60	day	18000
Ground Truth	250	80	sample	20000
	Contingency	10%		167539.4
				<b>\$652,289</b>



Figure 9 Proposed drill holes for IP target testing  
21



## REFERENCES

- Berube, P., 2005; Resistivity/Induced Polarization Survey, Big Duck Lake.  
Abitibi Geophysique report submitted to Tri Gold Resources Corp.
- Davis, D.W. and Lin, S., 2003; Unravelling the geologic history of the Hemlo  
Archean gold deposit, Superior Province, Canada: A U-Pb  
geochronological study; *Economic Geology*, v. 98, pp. 51-67.
- Degagne, P., 1997; 1996 Work Report Big Duck Lake Property.
- Grant, R., 1998), Geological Survey Report Big Duck Lake Property, Report for  
Battle Mountain Gold.
- Kutluoglu, R., 2007; 2006-2007 Geology and Diamond Drilling Report on the  
Big Duck Lake Property, Equity Engineering Ltd., Tri Gold Resources  
Ltd. 659 pg, AFRI file 20000002793.
- Lewis, P., 1993; Big Duck Lake Property Diamond Drill Report; Ontario  
Ministry of Northern Development and Mines: AFRI file 52N02SE0018.
- MacDonald, D., 2003; 1993 Summary on the Big Duck Lake Project, Ontario.  
Internal report made for Tri-Alpha Investments, on file with Tri Gold  
Resources.
- MacDonald, D., 2004; Big Duck Lake Gold Project, Drill hole Database  
Compilation for Tri Alpha Investment Ltd.
- Marsden, H., 2006; Geological Evaluation 2006 Trenching Big Duck Lake.  
Report provided to Tri Gold Resources Ltd.
- Marsden, H., 2005; Field Mapping Report Big Duck Lake, Thunder Bay, ON.  
Report provided to Tri Gold Resources Ltd

- Pye, E.G., 1964; Ontario Department of Mines, Geological Report No. 27.  
Mineral Deposits of the Big Duck Lake Area. Published by Frank Fogg.
- Reddick, J., 2003; A Report on The Big Duck Lake Property, Thunder Bay  
Region, Ontario Ministry of Northern Development and Mines: AFRI  
file 52N02SE0018.
- Rhys K., 2007; Big Duck Lake Property, Petrography of Representative  
Samples. Report submitted to Tri Gold Resources
- Sage, R.P., 1991; Alkalic rock, carbonatite and kimberlite complexes of the  
Ontario Superior Subprovince; in Geology of Ontario, Ontario  
Geological Survey, Special Volume 4, Part 1, pp. 683-709.
- Tims, A. , 2005; Diamond Drill Report on the Big Duck Lake Property Report  
provided to Tri Gold Resources Ltd.
- Williams, H.R., Stott, G.M., Heather, K.B., Muir, T.L., Sage, R.P., 1992; Wawa  
Subprovince; in Geology of Ontario, Ontario Geological Survey, Special  
Volume 4, Part 1, pp. 485-539.

## **STATEMENT OF QUALIFICATIONS**

I, Andrew A. B. Tims, of 317 Sillesdale Cr., Thunder Bay Ontario hereby certify that:

- 1.) I am the author of this report.
- 2.) I graduated from Carleton University, in Ottawa, with a Bachelor of Science Degree in Geology , 1989).
- 3.) I possess a lifetime prospector's license. I have been practicing my profession as a geologist involved in mineral exploration for the past 25 years.
- 4.) I am a practising member of the Association of Professional Geoscientist of Ontario (0274) as well as a Fellow of the Geological Association of Canada.
- 5.) I do not hold or expect to receive any interest in the property described in this report.
- 6.) I consent to the use of this report by GTA Resources and Mining Inc.

Thunder Bay, Ontario  
February 22, 2018  
Northern Mineral Exploration Services.

Andrew Tims

## **APPENDIX 1 - Diamond Drill Logs**

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

**Hole Number:** BD17-01

<b>Project Number</b>	Big Duck Lake	<b>Objective</b>		<b>Tests</b>					
<b>NTS</b>	42E02			<b>Depth (m)</b>	<b>Azimuth (d)</b>	<b>Dip (d)</b>			
<b>Project Name</b>	Big Duck Lake	<b>Drilling Company</b>	Rugged Aviation	6	182.6	-53.1	E5570314	Blank	
<b>Township/Area</b>	Rope Lake Area	<b>Start Date (m/d/y)</b>	11/24/17	50	181.8	-52.3	E5570327	Standard	CDN-GS-4D
<b>Claim Number</b>	4281244	<b>Finish Date (m/d/y)</b>	11/25/17	111	179.2	-51.6	E5570334	Blank	
		<b>Date Logged (m/d/y)</b>	11/25/17				E5570342	Duplicate	
<b>UTM Zone</b>	16	<b>Geologist</b>	A.TIMS				E5570347	Standard	CDN-GS-4D
<b>UTM Easting (m)</b>	477099	<b>Hole Length</b>	111 m				E5570354	Blank	
<b>UTM Northing (m)</b>	5427549						E5570361	Duplicate	
							E5570367	Standard	CDN-GS-4D
<b>Grid Identifier</b>		<b>Core Location</b>	GTA Core shack Schreiber				E5570374	Blank	
<b>Easting (+E,-W)</b>		<b>Distance to Water</b>	225 m				E5570381	Duplicate	
<b>Northing (+N,-S)</b>		<b>Core Size</b>	BQTW				E5570387	Standard	CDN-GS-4D
<b>Elevation:</b>	501 m	<b>Casing Lost</b>					E5570394	Blank	
							E5570401	Duplicate	

**Drill Log Summary:**

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

**Hole Number:** BD17-01

<i>From</i>	<i>To</i>	<i>Rock Type Rock Code</i>	<i>Geology</i>	<i>Sample No.</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>
0	3	Casing Ovb							
3	11.5	Diabase 13	Dark grey, fine-grained, massive, homogeneous, weak to moderately magnetic, lower contact is irregular and overprinted by pervasive carbonate but measureable @ 75° TCA.	E5570310	10.5	11.5	1.00	64	
11.5	15.6	Mafic Volcanic 2a	Dark green, fine-grained, weakly banded by variable carbonate content, minor mms carbonate veining, weakly magnetic, trace disseminated Py, weak to moderately foliated at 65° TCA, the lower contact is gradual over the cms by a bleaching of the groundmass and presence of sulphides greater than 1%. 89.2 11 Massive Mafic Flow 2a Dark Green, weakly foliated, minor mms Qz-Cb veinlets, moderate Chl & silica alteration, 1-2% Py as fine-grained dissemination and as	E5570311 E5570312 E5570313 E5570314	11.5 12.5 13.5 Blank	12.5 13.5 15 Blank	1.00 1.00 1.50 0.00	203 50 34 18	

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

**Hole Number:** BD17-01

<i>From</i>	<i>To</i>	<i>Rock Type Rock Code</i>	<i>Geology</i>	<i>Sample No.</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>
15.6	27.7	Coco Estelle	Grey-green, fine-grained, banded by variable biotite and pervasive Qz-Ank content, weakly to not magnetic, 3-4 % Py as irregular stringers	E5570316	16.5	18	1.50	42	
			of Py and medium-grained disseminated Py, cms semi-massive intervals are vuggy, sulphide content wanes and becomes moderately magnetic towards lower contact, foliation averages 63° TCA, lower contact is	E5570317	18	19	1.00	258	
			marked by more intense bleaching (moderate) and 4-5% stringer Py	E5570318	19	20.5	1.50	71	
			89.2 11 Massive Mafic Flow 2a	E5570319	20.5	22	1.50	21	
			Dark Green, weakly foliated, minor mms Qz-Cb veinlets, moderate Chl & silica alteration, 1-2% Py as fine-grained dissemination and as minor stringers, patch Ep+/- trace Py, weak pervasive Cb	E5570320	22	23	1.00	30	
				E5570321	23	24	1.00	14	
				E5570322	23	24	1.00	20	
				E5570323	24	25	1.00	24	
				E5570324	25	26	1.00	34	
				E5570325	26	27	1.70	11	
				E5570326	27	27.7	1.70	11	

2a Py



**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

**Hole Number:** BD17-01

<i>From</i>	<i>To</i>	<i>Rock Type Rock Code</i>	<i>Geology</i>	<i>Sample No.</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>
27.7	45	Coco Estelle	Pale grey, intruded by a 30 cm brecciated Qz-An vein, 4-5% stringer Py, 1-2% fine-grained disseminated Py, trace fine-grained blebby Cp within Py stringers, numerous mms Qz-Cb veinlets from 30 to 60° TCA, blocky core, faults at 5° and 30° TCA, lower contact is marked by waning of bleaching;	E5570327	CDN-GS-4D		0.00	4090	
				E5570328	27.7	29	1.30	11	
				E5570329	29	30	1.00	19	
				E5570330	30	31	1.00	210	
			31.4 31.5 Fault 14	E5570331	31	32	1.00	52	
			Slip surface @ 5° TCA with minor gouge.	E5570332	32	33	1.00	10	
			31.8 31.9 Fault 1						
			Slip surface @ 30° TCA with 1 cm gouge.	E5570333	33	34.5	1.50	35	
			28.2 28.5 Quartz-Ankerite Vein	E5570334	Blank		0.00	2	
			Breccia textured, trace disseminated Py	E5570335	34.5	35.5	1.00	231	
			35 35.2 14 14	E5570336	35.5	36.5	1.00	136	
			10 cm interval of gouge hosting mms Qz-An veinlets, slip surface @ 60° TCA..	E5570337	36.5	37.5	1.00	357	
				E5570338	37.5	39	1.50	127	
			44.2 44.3 Fault 14						
			Slip surface @ 40° TCA with a 12 cm fault gouge.	E5570339	39	40	1.00	66	
				E5570340	40	41	1.00	73	
				E5570341	41	42	1.00	1000	
				E5570342	42	43	0.0	1240	
				E5570343	42	43	1.00	3440	
				E5570344	43	44	1.00	3080	
				E5570345	44	45	1.00	806	

2a Py

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

*Hole Number:* BD17-01

<i>From</i>	<i>To</i>	<i>Rock Type Rock Code</i>	<i>Geology</i>	<i>Sample No.</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>
45	111	Mafic Volcanics	A succession of metre-scale mafic flows and minor cms Qz-Fsp porphyry intrusions. Tuffaceous and flowtop intervals are weak to moderately altered by biotite-quartz-ankerite alteration accompanied by mms Qz-Ank and Qz veinlets. The more massive flow intervals exhibit the typically pervasive chlorite plus late epidote alteration with a weak silica overprinting and are magnetic - locally magnetite in present. Amygdules can be identified the weakly altered massive flow interals. Intensity of the biotite-quartz-ankerite alteration gradually wanes down-hole. Altered intervals host up to 3-4% disseminated Py plus 20-30% Py and trace Cp in mms Qz veinlets. Masive flow sections host trace disseminated Py with 2-3% Py within cms patches of Ep. Foliation averages 55°TCA steepening to 60° by EOH.	E5570346	45	47	2.00	208	
				E5570347	CDN-GS-4D		0.00	3430	
				E5570348	47	48	1.00	2980	
				E5570349	48	49	1.00	1790	
				E5570350	49	50.1	1.10	2440	
				E5570351	50.1	51	0.90	489	
				E5570352	51	52	1.00	3860	
				E5570353	52	53	1.00	2030	
				E5570354	Blank		0.00	15	
45	47	Massive Mafic Flow		2a					
			Dark Green, weakly foliated, minor mms Qz-Cb veinlets, moderate Chl & silicia alteration, 1-2% Py as fine-grained dissemination and as minor stringers.	E5570355	53	54	1.00	619	
				E5570356	54	54.75	0.75	673	
				E5570357	54.75	55.77	1.02	783	
47	55.7	Biotite-Quartz-Ankerite		2a	E5570358	55.7	57	1.30	281
			Grey to mauve, variably banded by mms intense silica and cms Alteration biotite alteration, 5-6% disseminated Py, interval cut by cms Qz-Cb veinlets plus cms irregular dissmembered Qz veinlets, a 90 cm strongly silicified QP @ 50.1 m,	E5570359	57	58	1.00	382	
				E5570360	58	59.1	1.10	1310	
				E5570361	Duplicate		0.00	1440	

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

**Hole Number:** BD17-01

<i>From</i>	<i>To</i>	<i>Rock Type Rock Code</i>	<i>Geology</i>	<i>Sample No.</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>
55.7	59.1		Massive Mafic Flow						
									2a
			Dark Green, weakly foliated, minor mms Qz-Cb veinlets, moderate	E5570362	59.1	60	0.90	1240	
			Chl & silicia alteration, 1-2% Py as fine-grained dissemination and as	E5570363	60	61	1.00	1620	
			minor stringers. Amygdules are visible.						
59.1	72		Biotite-Quartz-Ankerite						2a
			An interval of weaker alteration now altering on the cms	E5570364	61	62	1.00	1060	
			between weakly altered flow and silica biotite alteration halos	E5570365	62	63	1.00	1520	
			about isolated cms Qz veins with the veinlets hosting 4-5% Py plus	E5570366	63	64	1.00	388	
72	74.5		Massive Mafic Flow						2a
			Dark Green, weakly foliated, minor mms Qz-Cb veinlets, moderate	E5570367	CDN-GS-4D		0.00	3900	
			Chl & silicia alteration, 1-2% Py as fine-grained dissemination and as	E5570368	64	65	1.00	423	
			minor stringers. Amygdules are visible.	E5570369	65	66	1.00	565	
				E5570370	66	67.5	1.50	225	
74.5	77.8		Biotite-Quartz-Ankerite						2a
			Weakly altered mixed with epidote rich flow.	E5570371	67.5	69	1.50	170	
77.8	82		Massive Mafic Flow						2a
			Dark Green, weakly foliated, minor mms Qz-Cb veinlets, moderate	E5570372	69	70.5	1.50	543	
			Chl & silicia alteration, 1-2% Py as fine-grained dissemination and as	E5570373	70.5	72	1.50	817	
			minor stringers. Amygdules are visible.	E5570374	Blank		0.00	8	
				E5570375	72	73.5	1.50	26	
82	85		Biotite-Quartz-Ankerite						2a
			Weakly altered mixed with epidote rich flow. Cp in a cms Py stringer	E5570376	73.5	74.5	1.00	21	
			at 84 m.	E5570377	74.5	76	1.50	120	
				E5570378	76	77	1.00	140	
85	88.7		Massive Mafic Flow						2a
			Dark Green, weakly foliated, minor mms Qz-Cb veinlets, moderate	E5570379	77	77.8	0.80	1100	
			Chl & silicia alteration, 1-2% Py as fine-grained dissemination and as	E5570380	77.8	79	1.20	8	
			minor stringers. Amygdules are visible.	E5570381	Duplicate		0.00	102	

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

*Hole Number:* BD17-01

<i>From</i>	<i>To</i>	<i>Rock Type Rock Code</i>	<i>Geology</i>	<i>Sample No.</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>
88.7	89.2		Quartz-Feldspar Porphyry Grey to pale red, fine to medium-grained, waxy due to strong silica alteration, minor Hm alteration, 1-2% very fine-grained Py. Leading contact is sharp at 72° TCA, trailing contact is irregular averaging 80° TCA.	7b					
				E5570382	79	80.5	1.50	36	
				E5570383	80.5	82	1.50	63	
				E5570384	82	83.5	1.50	422	
89.2	111	Massive Mafic Flow	2a Dark Green, weakly foliated, minor mms Qz-Cb veinlets, moderate Chl & silicia alteration, 1-2% Py as fine-grained dissemination and as minor stringers, patch Ep+/- trace Py, weak pervasive Cb	E5570385	83.5	85	1.50	294	
				E5570386	85	86.5	1.50	99	
				E5570387	CDN-GS-4D		0.00	3830	
				E5570388	86.5	87.5	1.00	166	
				E5570389	87.5	88.7	1.20	85	
				E5570390	88.7	89.2	0.50	320000	
				E5570391	89.2	90	0.80	5730	
				E5570392	90	91.5	1.50	545	
				E5570393	91.5	93	1.50	231	
				E5570394	Blank		0.00	16	
				E5570395	93	94.5	1.50	764	
				E5570396	94.5	96	1.50	118	
				E5570398	97.5	99	1.50	135	
				E5570399	108	109.5	1.50	447	
				E5570400	109.5	111	1.50	163	
				E5570401	Duplicate		0.00	234	
		2a							
111	111	End of Hole							

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

**Hole Number:** BD17-02

<b>Project Number</b>	Big Duck Lake	<b>Objective</b>		<b>Tests</b>					
<b>NTS</b>	42E02			<b>Depth (m)</b>	<b>Azimuth (d)</b>	<b>Dip (d)</b>			
<b>Project Name</b>	Big Duck Lake	<b>Drilling Company</b>	Rugged Aviation	6	182.6	-60.6	E5570407	Standard	CDN-GS-4D
<b>Township/Area</b>	Rope Lake Area	<b>Start Date (m/d/y)</b>	11/26/17	76	183.5	-59.1	E5570414	Blank	
<b>Claim Number</b>	4281244	<b>Finish Date (m/d/y)</b>	11/30/17	150	185	-57.6	E5570421	Duplicate	
		<b>Date Logged (m/d/y)</b>	11/27/17				E5570427	Standard	CDN-GS-4D
<b>UTM Zone</b>	16	<b>Geologist</b>	A.TIMS				E5570434	Blank	
<b>UTM Easting (m)</b>	476985	<b>Hole Length</b>	150 m				E5570441	Duplicate	
<b>UTM Northing (m)</b>	5427522						E5570447	Standard	CDN-GS-4D
							E5570454	Blank	
<b>Grid Identifier</b>		<b>Core Location</b>	GTA Coreshack Schrieber				E5570461	Duplicate	
<b>Easting (+E,-W)</b>		<b>Distance to Water</b>	100 m				E5570467	Standard	CDN-GS-4D
<b>Northing (+N,-S)</b>		<b>Core Size</b>	BQTW				E5570474	Blank	
<b>Elevation:</b>	506 m	<b>Casing Lost</b>					E5570481	Duplicate	
							E5570487	Standard	CDN-GS-4D
							E5570494	Blank	
							E5570501	Duplicate	

**Drill Log Summary:**

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

**Hole Number:** BD17-02

<i>From</i>	<i>To</i>	<i>Rock Type Rock Code</i>	<i>Geology</i>	<i>Sample No.</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>
0	2.7	Casing Ovb							
2.7	12.85	Mafic Volcanic	Dark green to light grey, fine-grained, cms light grey intervals are composed of moderate to strong carbonate alteration +/- 1% stringer and blebby Py, otherwise trace-1/2% disseminated or fracture controlled Py, blebby Py, otherwise trace-1/2% disseminated or fracture controlled Py, 3-4% slightly coarser grained poikiloblast biotite disseminated throughout the groundmass, foliation averages 55° TCA, lower contact is intrusive with a cms coarse-grained halo accompanied by Cb @ 53°	E5570402 E5570403 E5570404	9 10.5 11.5	10.5 11.5 12.85	1.50 1.00 1.35	38 25 26	
		2a							
12.85	15	Quartz Feldspar Porphyry	Light to dark grey, waxy silicified very fine-grained sericite rich groundmass hosting 10-12% strongly flattened feldspars and 4-5% moderately flattened Qz phenocrysts, minor Cb along fractures, foliation averages 60° TCA, trace fine-grained disseminated Py, lower contact is sharp at 72° TCA.	E5570405 E5570406 E5570407	12.85 14 CDN-GS-4D	14 15	1.15 1.00 0.00	7 18 3620	
		7b							
15	17.9	Mafic Volcanic	Similar to volcanic unit above but with significantly greater Cb content towards lower contact @ 62° TCA.	E5570408 E5570409	15 16.5	16.5 17.9	1.50 1.40	39 41	

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

*Hole Number:* BD17-02

<i>From</i>	<i>To</i>	<i>Rock Type</i> <i>Rock Code</i>	<i>Geology</i>	<i>Sample No.</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>
		2a							
17.9	19.9	Quartz Feldspar Porphyry	Light to dark grey, waxy silicified very fine-grained sericite rich groundmass, feldspars are generally smeared out, 4-5% strongly flattened Qz phenocrysts with well-developed pressure shadows, minor Cb along fractures, foliation averages 50° TCA, trace fine-grained disseminated Py, lower contact is sharp at 52° TCA.	E5570410	17.9	19	1.10	29	
				E5570411	19	19.9	0.90	4	
		7b							
19.9	22.3	Mafic Volcanic	Similar to volcanic unit above but with significantly greater Cb content towards lower contact @ 62° TCA.	E5570412	19.9	21	1.10	20	
				E5570413	21	22.3	1.30	9	
		2a							
22.3	23.6	Quartz Feldspar Porphyry	Light to dark grey, waxy silicified very fine-grained sericite rich groundmass, feldspars are generally smeared out, 4-5% strongly flattened Qz phenocrysts with well-developed pressure shadows, minor Cb along fractures, fracture set sub-parallel TCA exhibits a pale red staining, trace fine-grained disseminated Py, lower contact is sharp at 65° TCA.	E5570414	Blank		0.00	1	
				E5570415	22.3	23.6	1.30	1	
		7b							
23.6	38.8	Mafic Volcanic	Dark green to light grey, fine-grained, cms light grey intervals are composed of moderate to strong carbonate alteration +/- 1% stringer and blebby Py, otherwise trace-1/2% disseminated or fracture	E5570416	23.6	25	1.40	31	
				E5570417	35	36.35	1.35	148	
				E5570418	36.35	37	0.65	94	

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

**Hole Number:** BD17-02

<i>From</i>	<i>To</i>	<i>Rock Type</i> <i>Rock Code</i>	<i>Geology</i>	<i>Sample</i> <i>No.</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>
		2a	controlled Py 3-4% slightly coarser grained piokiblastic biotite disseminated throughout the groundmass, foliation varies between 5-55° TCA, lower contact is sharp @ 58° TCA. 36.5 38.8 Quartz Carbonate Zone Moderate to strong pervasive Cb alteration accompanied by 1-2% disseminated Py.	E5570419	37	38.08	1.08	548	
38.08	39.2	Quartz Feldspar Porphyry	Light to dark grey, waxy silicified very fine-grained sericite rich groundmass, feldspars are generally smeared out, 4-5% strongly flattened Qz phenocrysts with well developed pressure shaows, minor Cb along fractures, foliation averages 51° TCA, trace fine-grained disseminated Py, lower contact is lost in broken drill core.	E5570420 E5570421	38.08 39.2	39.2 39.2	1.12 0.00	77 90	
39.2	61.4	7b Mafic Volcanic	Dark green to light grey, fine-grained, cms light grey intervals are composed of moderate to strong carbonate alteration +/- 1% stringer and blebby Py, otherwise 1/2-1% disseminated or fracture controlled Py, 3-4% slightly coarser grained piokiblastic biotite disseminated throughout the groundmass, foliation varies between 50-55° TCA, lower contact is marked by the pervasive onset of strong biotite-ankerite alteration of the groundmass. 39.2 40.7 Quartz Carbonate QC Moderate to strong pervasive Cb alteration accompanied by 1-2% disseminated Py. 52.6 56 Quartz Carbonate Biotite Strong to intense pervasive Cb plus cms intervals of moderate Bi Alteration alteration accompanied by 2-3% disseminated Py.	E5570422 E5570423 E5570424 E5570425 E5570426 E5570427 E5570428 E5570429 E5570430 E5570431 E5570432	39.2 40.5 42 51 52.6 CDN-GS-4D 54 55 56 57 57 58.5	40.5 42 43.5 52.6 54 55 56 57 58.5 60	1.30 1.50 1.50 1.60 1.40 0.00 1.00 1.00 1.00 1.50 1.50	432 877 246 415 1380 3880 291 3090 687 766 76	



**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

**Hole Number:** BD17-02

<i>From</i>	<i>To</i>	<i>Rock Type Rock Code</i>	<i>Geology</i>	<i>Sample No.</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>
			and 1-2% stringer Py.	E5570433	60	61.4	1.50	207	
61.4	69.4	2a Coco Estelle	Light grey to grey brown, variably banded by very fine-grained Bi alteration, moderately silicified, weak to moderate pervasive Cb with numerous mms boudin Qz-Abk veinlets, 5-6% disseminated Py th-o plus 1-2% irregular stringer Py, foliation varies from 45-50° TCA, late white cms Qv @ 30° TCA cut the core near the lower contact, lower contact is sharp @ 50° TCA	E5570434	Blank		0.00	2	
				E5570435	61.4	63	1.50	594	
				E5570436	63	64	1.00	6320	
				E5570437	64	65	1.00	2930	
				E5570438	65	66	1.00	8240	
				E5570439	66	67	1.00	8800	
				E5570440	67	68	1.00	3270	
				E5570441	Duplicate		0.00	3060	
				E5570442	68	69.4	1.40	848	
		2a							
69.4	71.75	Quartz Feldspar Porphyry	Light to dark grey, waxy silicified very fine-grained sericite rich groundmass, feldspars are generally smeared out, 4-5% strongly flattened Qz phenocrysts with well developed pressure shadows, minor Cb along fractures, possible fuchsite halo along a Cb veinlet @ 70.1 m, foliation averages 51° TCA, 2-3% fine-grained disseminated Py, lower contact is sharp @ 45° TCA..	E5570443	69.4	70.5	1.10	81	
				E5570444	70.5	71.75	1.10	260	
		7b							
71.75	90.3	Mafic Volcanic	A succession of metre-scale mafic flows and minor cms Qz-Fsp porphyry intrusions. Tuffaceous and flowtop intervals are weak to moderately altered by biotite-quartz-ankerite alteration accompanied by mms Qz-Ank and Qz veinlets. The more massive flow intervals exhibit the typically pervasive chlorite plus late epidote alteration with a weak	E5570445	71.75	73	1.00	1030	
				E5570446	73	74	1.00	842	
				E5570447	CDN-GS-4D		0.00	4020	
				E5570448	74	75	1.00	1080	
				E5570449	75	76.5	1.50	278	

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

**Hole Number:** BD17-02

<i>From</i>	<i>To</i>	<i>Rock Type Rock Code</i>	<i>Geology</i>	<i>Sample No.</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>
			silica overprinting and are magnetic - locally magnetite in present.	E5570450	76.5	78	1.50	1760	
			Amygdules can be identified within the weakly altered massive	E5570451	78	79.5	1.50	1530	
			interals. Intensity of the biotite-quartz-ankerite alteration gradually	E5570452	79.5	81	1.50	2230	
			wanes down-hole, foliation averages 55° TCA, 1-2% fine-grained						
			disseminated Py with maximum of 2-3% in cms Ep patches, 1/2-1%						
			irregular mms Py stringers, lower contact with dyke is sharp @ 60° TCA.						
	71.75	74	Coco Estelle QC	E5570453	81	82.5	1.50	375	
			Grey-brown alteration of Bi indicating the lower contact of the	E5570454	Blank		0.00	5	
			Coco Estelle.						
	79.6	82.5	Quartz-Carbonate Zone	E5570455	82.5	84	1.50	103	
			Moderate to strong patchy Qc alteration hosting up to 2-3% Alteration	E5570456	84	85.5	1.50	232	
			disseminated and stringer Py.	E5570457	85.5	87	1.50	67	
				E5570458	87	88.5	1.50	126	
				E5570459	88.5	89.5	1.00	191	
				E5570460	89.5	90.3	0.80	272	
		2a							
90.3	127.74	Quartz Feldspar Porphyry	Mottled light to dark grey to beige due to variable silicification and sericite alteration, overall strongly silicified over the upper 5 m, a 2 m biotite rich interval at 95 m highlights the feldspars as highly flattened wispy aggregates, Qz xtals possess well developed pressure shadows, foliated @ 60° TCA trace to 1% fine-grained disseminated Py within silicified sections, trace in biotite rich interval, lower contact is sharp @ 60° TCA.	E5570461	Duplicate		0.00	69	
				E5570462	90.3	91.5	1.20	240	
				E5570463	91.5	93	1.50	170	
				E5570464	93	94.5	1.50	197	
				E5570465	94.5	96	1.50	26	
				E5570466	96	97.5	1.50	10	
				E5570467	CDN-GS-4D		0.00	3870	
				E5570468	97.5	99	1.50	6	
				E5570469	99	100.5	1.50	8	
				E5570470	100.5	102	1.50	15	
				E5570471	102	103.5	1.50	23	
				E5570472	103.5	105	1.50	45	

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

**Hole Number:** BD17-02

<i>From</i>	<i>To</i>	<i>Rock Type Rock Code</i>	<i>Geology</i>	<i>Sample No.</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>
				E5570473	105	106.5	1.50	15	
				E5570474	Blank		0.00	0.5	
				E5570475	106.5	108	1.50	8	
				E5570476	108	109.5	1.50	16	
				E5570477	109.5	111	1.50	25	
				E5570478	111	112.5	1.50	19	
				E5570479	112.5	114	1.50	8	
				E5570480	114	115.5	1.50	8	
				E5570481	Duplicate		0.00	8	
				E5570482	115.5	117	1.50	18	
				E5570483	117	118.5	1.50	48	
				E5570484	118.5	120	1.50	22	
				E5570485	120	121.5	1.50	23	
				E5570486	121.5	123	1.50	28	
				E5570487	CDN-GS-4D		0.00	3960	
				E5570488	123	124.5	1.50	14	
				E5570489	124.5	126	1.50	12	
				E5570490	126	127	1.00	6	
				E5570491	127	127.74	0.74	13	
		7b							
127.74	150	Mafic Volcanic	Dark green to grey-green, weak to moderately magnetic. very fine-grained massive flow with amygdules with cms Cb altered intervals around cms Qv and later mms Qc veinlets, Cb alteration is accompanied by 2-3% fine to medium-grained disseminated Py with less altered massive flow intervals hosting 1-2% fine-grained disseminated Py, Cb altered sections are not magnetic, foliation averages 70-75° TCA.	E5570492	127.74	129	1.26	40	
				E5570493	129	130.5	1.50	55	
				E5570494	Blank		0.00	2	
				E5570495	130.5	132	1.50	45	
				E5570496	137	138	1.00	20	
				E5570497	138	139.5	1.50	27	
				E5570498	139.5	141	1.50	39	
				E5570499	145	146.2	1.20	10	
				E5570500	146.2	147	0.80	54	
		146 148	Quartz-Carbonate-Biotite Moderate, patchy Cb about boundin Qz veinlets hostin 203% stringe and diseeminated Py, isolated mms bands of strong Bi alteration.						

***GTA Resources and Mining Corporation***  
***DIAMOND DRILL LOG***

*Hole Number:* BD17-02

<i>From</i>	<i>To</i>	<i>Rock Type Rock Code</i>	<i>Geology</i>	<i>Sample No.</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>
		2a		E5570501	Duplicate		0.00	70	
				E5570502	147	148	1.00	171	
				E5570503	148	149	1.00	509	
				E5570504	149	150	1.00	963	
150	150	End of Hole EOH							

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

*Hole Number:* BD17-03

<i>Project Number</i>	Big Duck Lake	<i>Objective</i>		<i>Tests</i>					
<i>NTS</i>	42E02			<i>Depth (m)</i>	<i>Azimuth (d)</i>	<i>Dip (d)</i>			
<i>Project Name</i>	Big Duck Lake	<i>Drilling Company</i>	Rugged Aviation	6	178.6	-53.9	E5570507	Standard	CDN-GS-1K
<i>Township/Area</i>		<i>Start Date (m/d/y)</i>	12/ 1/17	60	177.1	-53	E5570514	Blank	
<i>Claim Number</i>	4281244	<i>Finish Date (m/d/y)</i>	12/ 2/17	120	177.6	-52.2	E5570521	Duplicate	
<i>Date Logged (m/d/y)</i>	12/ 2/17						E5570527	Standard	CDN-GS-1K
<i>UTM Zone</i>	16	<i>Geologist</i>	A.TIMS				E5570534	Blank	
<i>UTM Easting (m)</i>	477200	<i>Hole Length</i>	120 m				E5570541	Duplicate	
<i>UTM Northing (m)</i>	5427550						E5570547	Standard	CDN-GS-1K
							E5570554	Blank	
<i>Grid Identifier</i>		<i>Core Location</i>	GTA Coreshack Schrieber				E5570261	Duplicate	
<i>Easting (+E,-W)</i>		<i>Distance to Water</i>	100 m				E5570267	Standard	CDN-GS-1K
<i>Northing (+N,-S)</i>		<i>Core Size</i>	BQTW				E5570274	Blank	
<i>Elevation:</i>	498 m	<i>Casing Lost</i>					E5570281	Duplicate	
							E5570287	Standard	CDN-GS-1K

*Drill Log Summary:*

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

*Hole Number:* BD17-03

<i>From</i>	<i>To</i>	<i>Rock Type</i> <i>Rock Code</i>	<i>Geology</i>	<i>Sample</i> <i>No.</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>
0	2.5	Casing Ovb							
2.5	16.61	Mafic Volcanic	Dark green to light grey, fine-grained, cms light grey intervals are composed of moderate to strong carbonate alteration +/- 1% stringer and blebby Py, otherwise trace-1/2% disseminated or fracture controlled Py, 3-4% slightly coarser grained poikiloblast biotite disseminated throughout the groundmass, foliation averages 70-75° TCA, lower contact is marked by the onset of moderate pervasive Cb alteration masking the contact.	E5570505	15	16.61	1.61	79	
		2a							
16.61	21	Mafic Tuff	Mottled and banded dark green to grey on the cms by Ank altered clasts in a Cb altered matrix,, fragmental texture looks like an altd lapilli tuff, strong Ank intervals are centred about 4-5%Py as fine-grained disseminations & stringers (2-20 mm) plus trace Sp, Py stringers cut the core ~30° TCA with the Sp bearing stringer @ 45° TCA, lower contact is marked by overlapping Cb over a 20 cm interval.	E5570506	16.61	18	1.39	542	
				E5570507	CDN-GS-1K		0.00	861	
				E5570508	18	19	1.00	139	
				E5570509	19	20	1.00	68	
				E5570510	20	21	1.00	309	
		2b							
21	33.2	Mafic Volcanic	Dark grey-green, very fine to fine-grained, a successsion of meter-scale massive flows with thin flow top breccias and pillow horizons, locally cms bands and patches of epidote, foliation averages 60° TCA, trace to 1/2% disseminated Py, trace mms stringer Py associated with the Ep, Cb alteration and Py content increases towards the lower contact becoming moderate pervasive and 2-3%, loer contact is lost in broken core.	E5570511	21	22	1.00	72	
				E5570512	32	33.2	1.20	113	
		2a							

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

*Hole Number:* BD17-03

<i>From</i>	<i>To</i>	<i>Rock Type</i> <i>Rock Code</i>	<i>Geology</i>	<i>Sample</i> <i>No.</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>	
33.2	37.84	Quartz Felspar Porphyry	Light to dark grey, waxy silicified very fine-grained sericite rich groundmass, feldspars are generally smeared out, 4-5% strongly flattened Qz phenocrysts with well-developed pressure shadows, minor Cb along fractures, foliation averages 43° TCA, trace fine-grained disseminated Py, lower contact is sharp at 45° TCA.	E5570513	33.2	34.5	1.28	65		
				E5570514	Blank			0.00	2	
				E5570515	34.5	36	1.50	6		
				E5570516	36	37.84	1.80	6		
		7b								
37.84	48.9	Mafic Volcanic	Mottled and banded grey-green to grey, moderate to strong pervasive Ank, weak Bi overprint increasing to moderate by lower contact, weak Cb with Cb along fractures, unit begins as a massive flow and ends with a well-developed pyroclastic texture in the lowermost 2 m, foliation also steepens from 45° to 55° TCA, 3-4% disseminated Py, 2-3% stringer predominantly in the lower half of the interval,	E5570517	37.84	39	1.50	373		
				E5570518	39	40.5	1.50	125		
				E5570519	40.5	42	1.50	151		
				E5570520	42	43.5	1.50	137		
				E5570521	Duplicate		0.00	182		
				E5570522	43.5	45	1.50	253		
				E5570523	45	46	1.00	350		
				E5570524	46	47	1.00	218		
				E5570525	47	48	1.00	967		
				E5570526	48	48.9	0.90	469		
			E5570527	CDN-GS-1K		0.00	930			
		2a								
48.9	57.6	Quartz Feldspar Porphyry	Light to dark grey, waxy silicified very fine-grained sericite rich groundmass, feldspars are generally smeared out, 4-5% strongly flattened Qz phenocrysts with well-developed pressure shadows, minor Cb along fractures, foliation averages 50° TCA, trace fine-grained disseminated Py, trace Cp associated with a light grey Qv @ 80° TCA, lower contact is lost in broken core. 50.2 50.3 Qv Chalcopyrite associated with the boundary to a 12 cm wide boudin light grey Qv @ 80° TCA.	E5570528	48.9	50	1.10	441		
				E5570529	50	51	1.00	4700		
				E5570530	51	52	1.00	480		
				E5570531	52	53	1.00	110		
				E5570532	53	54	1.00	61		
				E5570533	54	55.5	1.50	116		
				E5570534	Blank		0.00	6		
				E5570535	55.5	56.5	1.00	158		
				E5570536	56.5	57.7	1.20	787		
		7b								

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

Hole Number: BD17-03

		<i>Rock Type</i>		<i>Geology</i>	<i>Sample</i>		<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>
<i>From</i>	<i>To</i>	<i>Rock Code</i>			<i>No.</i>						
57.6	63.08	Mafic Volcanics		A mixed interval of fine-grained mafic volcanics and centimetre (15-30) scale QFP dyklets, foliation averages 60° TCA, dyklet contacts are roughly parallel to to foliation but irregular, 1-2% fine-grained foliation parallel disseminated Py with volcanics, 1/2-1% disseminated Py plus minor stringer Py in dyklets, lower contact with a dyklets and volcanics ls sharp @ 75° TCA.	E5570537		57.7	59	1.30	409	
					E5570538		59	60	1.00	195	
					E5570539		60	60.5	0.50	259	
					E5570540		60.5	63.08	2.58	242	
		2a									
63.08	74.86	Coco Estelle		Light grey to grey brown, variably banded by very fine-grained Bi alteration, moderately silicified, weak to moderate pervasive Cb with numerous mms boudin Qz-Abk veinlets, locally rare cms breccia with strong Bi rich matrix, shallow Qz-Ank veinlets (some colloform) host trace Cp, Qz5-6% disseminated Py th-o plus 1-2% irregular stringer Py, foliation varies from 55-70° TCA, late white cms Qv @ 30° TCA cut the core near the lower contact, lower contact gradual over 25 cm. 65.52 65.55 Fault 14 Tight slip surface @ 25° TCA 66.7 66.9 Quartz Vein with Cp QV A 2-5 mm wide Qz-Ank veinlets @ 15° TCA hosting trace Cp 67 67.2 Colloform Qz-Ank Vein QV A 1-2 cm wide banded colloform Qz-Ank veinlet @ 13° TCA. 70.3 71.3 Beaccia Unit possesses a breccia texture set in a biotite rich matrix, 3-4% disseminated Py.	E5570541	Duplicate			0.00	312	
					E5570542		63.08	64	0.92	889	
					E5570543		64	65	1.00	2030	
					E5570544		65	66	1.00	878	
					E5570545		66	67	1.00	317	
					E5570546		67	68	1.00	3380	
					E5570547	CDN-GS-1K			0.00	952	
					E5570548		68	69	1.00	4580	
					E5570549		69	70	1.00	5090	
					E5570550		70	71	1.00	1190	
					E5570551		71	72	1.00	2510	
					E5570552		72	73	1.00	1030	
					E5570553		73	74	1.00	2360	
					E5570554	Blank			0.00	14	
				E5570555		74	74.86	0.1	250		
		2a									
74.86	79.9	Mafic Volcanics		A mixed interval of fine-grained mafic volcanics and centimetre (15-30) scale QFP dyklets, foliation averages 60° TCA, dyklet contacts are roughly parallel to foliation but irregular, 1-2% fine-grained foliation parallel disseminated Py within volcanics, 1/2-1% disseminated Py plus minor stringer Py in dyklets, lower is sharp @ 75° TCA.	E5570556		74.86	76	1.00	281	
					E5570557		76	77	1.00	212	
					E5570558		77	78	1.00	180	
					E5570559		78	79	1.00	38	
					E5570260		79	79.9	0.90	115	

2a



**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

*Hole Number:* BD17-03

<i>From</i>	<i>To</i>	<i>Rock Type</i> <i>Rock Code</i>	<i>Geology</i>	<i>Sample</i> <i>No.</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>
79.9	81	Quartz-Feldspar Porphyry	Light to dark grey, waxy silicified very fine-grained sericite rich groundmass, feldspars are generally smeared out, 4-5% strongly flattened Qz phenocrysts with well-developed pressure shadows, minor Cb along fractures, foliation averages 60° TCA, trace fine-grained disseminated Py, lower contact is sharp @ 75° TCA.	E5570261	Duplicate		0.00	119	
				E5570262	79.9	81	1.10	78	
		7a							
81	90.6	Mafic Volcanics	Massive mafic flow with pervasive chlorite plus late epidote alteration, weak patchy to mms banding by Bi proximal to contact with QFP, amygdules can be identified within the weakly altered massive flow intervals, minor cms QFP dyklets, 1/2-1% disseminated Py, lower contact is sharp @ 75° TCA.	E5570263	81	82	1.00	425	
				E5570264	82	83	1.00	286	
				E5570265	83	84	1.00	95	
				E5570266	84	85.5	1.50	64	
				E5570267	CDN-GS-1K		0.00	802	
				E5570268	85.5	87	1.50	111	
				E5570269	87	88.5	1.50	81	
				E5570270	88.5	89.5	1.00	58	
				E5570271	89.5	90.6	1.10	68	
		2a							
90.6	91.46	Quartz Feldspar Porphyry	Light to dark grey, waxy silicified very fine-grained sericite rich groundmass, feldspars are generally smeared out, 4-5% strongly flattened Qz phenocrysts with well-developed pressure shadows, minor Cb along fractures, foliation averages 60° TCA, trace fine-grained disseminated Py, lower contact is sharp @ 75° TCA.	E5570272	90.6	91.96	1.36	149	
		7b							
91.46	96.65	Mafic Volcanic	Pillowed mafic flow with pervasive chlorite plus late epidote alteration, amygdules can be identified within the weakly altered massive flow intervals, minor cms QFP dyklets, 1/2-1% disseminated Py, lower contact is lost in broken core.	E5570273	91.96	93	1.04	181	
				E5570274	Blank		0.00	3	
				E5570275	93	94.5	1.50	171	
				E5570276	94.5	95.5	1.00	75	
				E5570277	95.5	96.65	1.15	64	
		2a							

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

*Hole Number:* BD17-03

<i>From</i>	<i>To</i>	<i>Rock Type</i> <i>Rock Code</i>	<i>Geology</i>	<i>Sample</i> <i>No.</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>
96.65	97.7	Quartz Feldspar Porphyry	Light to dark grey, waxy silicified very fine-grained sericite rich groundmass, feldspars are generally smeared out, 4-5% strongly flattened Qz phenocrysts with well-developed pressure shadows, minor Cb along fractures, foliation averages 57° TCA, trace fine-grained disseminated Py, lower contact is sharp @ 75° TCA.	E5570278	96.65	97.7	1.05	18	
		7b							
97.7	113.2	Mafic Volcanic	Medium-green, fine-grained, pillowed flow with pervasive chlorite plus late epidote alteration, amygdules can be identified within the weakly altered massive flow interals, minor cms QFP dyklets, locally cms Qz-Cb veinlets @ 45° TCA hosting 1-2% disseminated otherwise 1/2-1% disseminated Py, lower contact is gradational over 25 cm.	E5570279 E5570280 E5570281 E5570282	97.7 99 Duplicate 100.5	99 100.5 102	1.30 1.50 0.00 1.50	58 67 85 37	
		2a							
113.2	120	Mafic Tuff	Medium-green, fine-grained with weak to moderate pervasibe Cb TH-O, rare vague fragmental textures, minor fault @ 115 m with associated Qz vein and cms semi-massive pyrite halo, central vein hosts trace Cp, foliation averages 52°TCA, 1-2% disseminated Py preferentially concentrated about cms Qz-Cb veinlets,	E5570283 E5570284 E5570285 E5570286 E5570287	114 115 116 117 CDN-GS-1K	115 116 117 118	1.00 1.00 1.00 1.00 0.00	509 2450 231 82 871	
			114.9 115.6 Slip surface @ 62°TCA, associated Qv and 10-15% Py halo, Qv hosts trace Cp along fractures.			14			
		2b							
120	120	End of Hole							
		EOH							

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

*Hole Number:* BD17-04

<i>Project Number</i>	Big Duck Lake	<i>Objective</i>		<i>Tests</i>					
<i>NTS</i>	42E02			<i>Depth (m)</i>	<i>Azimuth (d)</i>	<i>Dip (d)</i>			
<i>Project Name</i>	Big Duck Lake	<i>Drilling Company</i>	Rugged Aviation	6	182.7	-56.2	E5570294	Blank	
<i>Township/Area</i>	Rope Lake Area	<i>Start Date (m/d/y)</i>	12/ 13/17	60	184.7	-54.9	E5570301	Duplicate	
<i>Claim Number</i>	4281243	<i>Finish Date (m/d/y)</i>	12/14/17	131	186.1	-54.3	E5570307	Standard	CDN-GS-1K
		<i>Date Logged (m/d/y)</i>	12/ 14/17				E5570161	Duplicate	
<i>UTM Zone</i>	16	<i>Geologist</i>	A.TIMS				E5570167	Standard	CDN-GS-1K
<i>UTM Easting (m)</i>	477462	<i>Hole Length</i>	131 m				E5570174	Blank	
<i>UTM Northing (m)</i>	5427625						E5570181	Duplicate	
							E5570187	Standard	CDN-GS-1K
<i>Grid Identifier</i>		<i>Core Location</i>	GTA Coreshack Schrieber				E5570194	Blank	
<i>Easting (+E,-W)</i>		<i>Distance to Water</i>	200 m				E5570201	Duplicate	
<i>Northing (+N,-S)</i>		<i>Core Size</i>	BQTW				E5570207	Standard	ACCLABVMS4
<i>Elevation:</i>	490 m	<i>Casing Lost</i>							

*Drill Log Summary:*

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

*Hole Number:* BD17-04

<i>From</i>	<i>To</i>	<i>Rock Type</i> <i>Rock Code</i>	<i>Geology</i>	<i>Sample No.</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>
0	1.3	Overburden Ovb							
1.3	10.1	Granodiorite	Grey, medium-grained feldspar-biotite groundmass hosting 4-5% Medium to coarse-grained Qz phenocryst, feldspar xtals are rotated and flattened to a 4:1 ratio, Qz xtals have well developed pressure shadows, interval host cms scale mafic volcanic intervals plus the groundmass is host to numerous millimetre thin flattened mafic xenoliths, strong foliated @ 60° TCA, rust coated fractures due to surface waters primarily in mafic volcanic intervals and within groundmass of intrusive adjacent to fractures, trace to 1/2% disseminated Py, lower contact is lost in broken core.	E5570288	9	10.1	1.1	110	
		12a							
10.1	24.3	Mafic Volcanic	Dark green, fine to medium-grained depending on the intensity of Ank alteration, moderate to well banded by variable Ank +/- Cb alteration and mms Qz-Cb veinlets, Chl intensity varies with Ank alteration from moderate to strong (medium-grained), 1-2% disseminated Py locally reaching 3% as a halo about Qz-Cb veinlets, foliation averaged 60-65° TCA, lower contact is a fault.	E5570289	10.1	11	1.50	300	
				E5570290	11	12.5	1.50	315	
				E5570291	12.5	14	1.50	48	
				E5570292	14	15.5	1.50	422	
				E5570293	15.5	17	1.50	81	
				E5570294	Blank		0.00	3	
				E5570295	17	18.5	1.50	87	
				E5570296	18.5	20	1.50	94	
				E5570297	20	21.5	1.50	85	
				E5570298	21.5	23	1.50	117	
				E5570298	23	24.5	1.50	94	
		2a							
24.3	24.5	Fault Zone	Minor gouge, chlorite-Py rich gouge intruded by dismembered Qz-Ank veinlets, 5-6% fine to medium-grained Py, slip face @ 70° TCA.						
		14							

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

*Hole Number:* BD17-04

<i>From</i>	<i>To</i>	<i>Rock Type</i> <i>Rock Code</i>	<i>Geology</i>	<i>Sample</i> <i>No.</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>
24.5	27.7	Mafic Volcanic	Similar to above 2a with Py content locally reaching 3-4% in cms intervals of strong chlorite-carbonate, foliated @ 70° TCA, lower contact looks to structurally modified averaging @ 65°TCA.	E5570300	24.5	26	1.50	267	
				E5570301	Duplicate		0.00	358	
				E5570302	26	27.7	1.70	70	
		2a							
27.7	29.22	Granodiorite	Grey, medium-grained feldspar-biotite groundmass hosting 4-5% medium to coarse-grained Qz phenocryst, feldspar xtals are rotated and weakly flattened, Qz xtals have rare pressure shadows, overall unit exhibits less strain than similar lithology at top of hole, moderately foliated @ 60° TCA, , 1/2-1% fine-grained disseminated Py, lower contact is modified.	E5570303	27.7	29	1.30	4	
29.22	70.54	Mafic Volcanic	Dark Green, very fine-grained, massive flow with amygdule visible, cms bands and patches of Ep-Py, weakly silicified with rare irregular cms grey Qz veinlets, minor late stage cross-cutting mms Qz-Cb veinlets 40° (vuggy) and 10° TCA, moderately foliated @ 67° TCA, 1-2% fine-grained disseminated Py, grey Qv typically host trace Py plus a mms 2-3% Py halo, lower contact is gradational over 25 cm.	E5570304	39.5	41	1.50	368	
				E5570305	41	42.5	1.50	57	
				E5570306	42.5	44	1.50	55	
				E5570307	CDN-GS-1K		0.00	920	
		47 47.9 Quartz-Feldspar Porphy	7b	E5570308	55	55.8	0.80	36	
			Grey-green, medium grained, trace disseminated Py.	E5570309	55.8	57.5	1.70	112	
		48.1 48.7 Mafic Dyke	9	E5570160	57.5	59	1.50	114	
			Dark green, very fine-grained groundmass hosting 3-4% fine-grained disseminated Mg, lower contact is sharp @ 64° TCA.	E5570161	Duplicate		0.00	101	
				E5570162	59	60.5	1.50	223	
		58.5 60.5 Weak Biotite-Ankerite		E5570163	60.5	62	1.50	308	
			An interval of weak Bi-Ank alteration as cms banding, 1-2% disseminated Py.	E5570164	62	63.5	1.50	981	
				E5570165	63.5	65	1.50	143	

2a

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

*Hole Number:* BD17-04

<i>From</i>	<i>To</i>	<i>Rock Type</i> <i>Rock Code</i>	<i>Geology</i>	<i>Sample</i> <i>No.</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>	
70.54	76.7	Mafic Lapilli Tuff	A dark green chlorite rich matrix hosting 8-10% lapilli size felsic and mafic volcanic fragments plus 1-2% bomb size felsic clasts, overall lapilli content increases downhole towards lower contact where it becomes a tuff-breccia in the lowermost 25 cm, lapilli and bombs are flattened 2:1 ratio, minor Ep, locally vuggy, trace Hm along late fractures sub-parallel TCA, foliation averages 64° TCA, average trace Py with local maximums of 1% disseminated Py over the mms within weak Py halos around rare Cb -Ch stringers, lower contact is gradual/irregular as fragment content increase towards contact, felsic fragments are similar to the following massive felsic flow (dome).	E5570166	74	75.5	1.50	100		
				E5570167	CDN-GS-1K			0.00	872	
				E5570168	75.5	76.7	1.20	102		
76.7	131	2b Quartz Porphyry	Beige to grey-green, fine-grained with medium-grained feldspar and quartz phenocrysts, small stringers of biotite alteration to pervasive patches of biotite sericite alteration, typically with 5% very fine-grained disseminated pyrite within the Bi stringers @ 30-45° TCA, weakly chloritized, weak to moderate sericite alteration, moderate to locally strong foliation @ 64 to 70° TCA. 125 127 Py-Cp Stringers 2-3% Py as mms stringers with trace Cp, 35-50° TCA, irregular, 1/2-1% disseminated Py 129.5 131 Moderate to Strong Foliation Moderate to strong sericite groundmass with rotated Qz xtals exhibiting well developed pressure shadows - tails, no feldspar visible, trace pervasive Chl, rare mms Chl-Py stringers, 1-2% fine disseminated Py.	E5570169	76.7	78.5	1.80	44		
				E5570170	78.5	80	1.50	111		
				E5570171	80	81.5	1.50	19		
				E5570172	81.5	83	1.50	13		
				E5570173	83	84.5	1.50	11		
				E5570174	Blank		0.00	1		
				E5570175	84.5	86	1.50	11		
				E5570176	86	87.5	1.50	22		
				E5570177	87.5	89	1.50	15		
				E5570178	89	90.5	1.50	52		
				E5570179	90.5	92	1.50	11		
			E5570180	92	93.5	1.50	116			
			E5570181	Duplicate		0.00	278			
			E5570182	93.5	94.3	0.80	15			
			E5570183	94.3	95.5	1.20	20			

**GTA Resources and Mining Corporation**  
**DIAMOND DRILL LOG**

**Hole Number:** BD17-04

		<i>Rock Type</i>	<i>Geology</i>	<i>Sample</i>			<i>Length</i>	<i>Au (ppb)</i>	<i>Au (g/t)</i>
<i>From</i>	<i>To</i>	<i>Rock Code</i>		<i>No.</i>	<i>From</i>	<i>To</i>			
				E5570184	101.5	102.5	1.00	12	
				E5570185	102.5	104	1.50	9	
				E5570186	104	105.5	1.50	19	
				E5570187	CDN-GS-1K		0.00	761	
				E5570188	105.5	107	1.50	21	
				E5570189	107	108.5	1.50	47	
				E5570190	108.5	110	1.50	44	
				E5570191	110	111.5	1.50	16	
				E5570192	111.5	113	1.50	31	
				E5570193	113	114.5	1.50	14	
				E5570194	Blank		0.00	2	
				E5570195	114.5	116	1.50	9	
				E5570196	116	117.5	1.50	15	
				E5570197	117.5	119	1.50	8	
				E5570198	119	120.5	1.50	27	
				E5570199	120.5	122	1.50	12	
				E5570200	122	123.5	1.50	22	
				E5570201	Duplicate		0.00	20	
				E5570202	123.5	125	1.50	41	
				E5570203	125	126.5	1.50	73	
				E5570204	126.5	128	1.50	13	
				E5570205	128	129.5	1.50	26	
				E5570206	129.5	131	1.50	18	
				E5570207	ACCLABVMS4		0.00	1380	
131	131	7b? End of Hole EOH							

## **APPENDIX 2 - Analysis Certificates**





CLIENT NAME: MISC AGAT CLIENT ON, ON

ATTENTION TO: Wayne Reid, Andrew Tims

PROJECT:

AGAT WORK ORDER: 17B291494

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Jan 23, 2018

PAGES (INCLUDING COVER): 26

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

\*NOTES

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



## Certificate of Analysis

AGAT WORK ORDER: 17B291494

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

### (200-) Sample Login Weight

DATE SAMPLED: Dec 05, 2017      DATE RECEIVED: Nov 30, 2017      DATE REPORTED: Jan 23, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E5570310 (8955892)		1.22
E5570311 (8955893)		1.36
E5570312 (8955894)		1.40
E5570313 (8955895)		1.72
E5570314 (8955896)		.5
E5570315 (8955897)		1.96
E5570316 (8955898)		2.24
E5570317 (8955899)		1.32
E5570318 (8955900)		2.42
E5570319 (8955901)		1.64
E5570320 (8955902)		1.22
E5570321 (8955903)		0.88
E5570322 (8955904)		0.88
E5570323 (8955905)		1.18
E5570324 (8955906)		1.44
E5570325 (8955907)		1.20
E5570326 (8955908)		1.28
E5570327 (8955909)		0.06
E5570328 (8955910)		1.06
E5570329 (8955911)		1.20
E5570330 (8955912)		1.20
E5570331 (8955913)		1.26
E5570332 (8955914)		1.28
E5570333 (8955915)		1.52
E5570334 (8955916)		0.50
E5570335 (8955917)		1.80
E5570336 (8955918)		1.26
E5570337 (8955919)		1.26
E5570338 (8955920)		1.92
E5570339 (8955921)		1.26
E5570340 (8955922)		0.60

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B291494

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

### (200-) Sample Login Weight

DATE SAMPLED: Dec 05, 2017

DATE RECEIVED: Nov 30, 2017

DATE REPORTED: Jan 23, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E5570341 (8955923)		0.50
E5570342 (8955924)		0.50
E5570343 (8955925)		1.22
E5570344 (8955926)		1.30
E5570345 (8955927)		1.36
E5570346 (8955928)		2.68
E5570347 (8955929)		0.06
E5570348 (8955930)		1.32
E5570349 (8955931)		1.28
E5570350 (8955932)		1.30
E5570351 (8955933)		1.02
E5570352 (8955934)		1.24
E5570353 (8955935)		1.30
E5570354 (8955936)		0.88
E5570355 (8955937)		1.30
E5570356 (8955938)		1.12
E5570357 (8955939)		1.22
E5570358 (8955940)		1.70
E5570359 (8955941)		1.20
E5570360 (8955942)		1.00
E5570361 (8955943)		0.96
E5570362 (8955944)		1.08
E5570363 (8955945)		1.28
E5570364 (8955946)		1.52
E5570365 (8955947)		1.34
E5570366 (8955948)		1.32
E5570367 (8955949)		0.06
E5570368 (8955950)		1.38
E5570369 (8955951)		1.42
E5570370 (8955952)		1.98
E5570371 (8955953)		2.26

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B291494

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

### (200-) Sample Login Weight

DATE SAMPLED: Dec 05, 2017      DATE RECEIVED: Nov 30, 2017      DATE REPORTED: Jan 23, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E5570372 (8955954)		2.10
E5570373 (8955955)		1.92
E5570374 (8955956)		0.68
E5570375 (8955957)		2.02
E5570376 (8955958)		1.48
E5570377 (8955959)		2.00
E5570378 (8955960)		1.52
E5570379 (8955961)		1.02
E5570380 (8955962)		0.52
E5570381 (8955963)		0.52
E5570382 (8955964)		2.16
E5570383 (8955965)		2.00
E5570384 (8955966)		1.58
E5570385 (8955967)		2.10
E5570386 (8955968)		2.10
E5570387 (8955969)		0.06
E5570388 (8955970)		1.42
E5570389 (8955971)		1.62
E5570390 (8955972)		1.00
E5570391 (8955973)		1.22
E5570392 (8955974)		1.90
E5570393 (8955975)		2.04
E5570394 (8955976)		0.90
E5570395 (8955977)		1.90
E5570396 (8955978)		1.92
E5570397 (8955979)		1.92
E5570398 (8955980)		2.72
E5570399 (8955981)		1.06
E5570400 (8955982)		0.56
E5570401 (8955983)		1.02

Certified By:



**AGAT** Laboratories

# Certificate of Analysis

AGAT WORK ORDER: 17B291494

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

(200-) Sample Login Weight

DATE SAMPLED: Dec 05, 2017

DATE RECEIVED: Nov 30, 2017

DATE REPORTED: Jan 23, 2018

SAMPLE TYPE: Drill Core

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B291494

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

### (201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 05, 2017	DATE RECEIVED: Nov 30, 2017		DATE REPORTED: Jan 23, 2018		SAMPLE TYPE: Drill Core									
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
RDL:	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01
E5570310 (8955892)	0.5	1.43	<1	35	24	<0.5	2	1.41	<0.5	17	23.1	14.1	144	3.07
E5570311 (8955893)	1.3	1.83	<1	5	40	<0.5	5	0.77	<0.5	15	29.5	13.7	420	5.48
E5570312 (8955894)	0.4	1.53	<1	50	23	<0.5	<1	1.14	<0.5	15	20.2	11.6	72.7	3.15
E5570313 (8955895)	0.4	1.27	<1	5	9	<0.5	<1	0.87	<0.5	17	23.6	9.6	84.1	2.85
E5570314 (8955896)	1.5	0.03	3	5	15	<0.5	<1	>25	<0.5	<1	0.6	2.7	<0.5	0.09
E5570315 (8955897)	0.9	1.69	<1	56	47	0.5	<1	2.80	<0.5	14	31.4	8.9	144	3.86
E5570316 (8955898)	0.9	1.84	<1	5	59	<0.5	<1	5.69	<0.5	13	24.9	8.5	106	4.57
E5570317 (8955899)	5.5	2.67	<1	5	48	0.6	21	0.47	<0.5	13	88.0	16.5	565	12.5
E5570318 (8955900)	1.4	1.81	<1	5	23	0.5	2	1.23	<0.5	26	26.7	19.9	286	6.67
E5570319 (8955901)	0.4	1.09	<1	5	5	<0.5	3	0.97	<0.5	25	25.5	12.0	102	4.77
E5570320 (8955902)	0.3	0.89	<1	5	5	<0.5	<1	1.02	<0.5	16	16.9	17.5	81.4	3.68
E5570321 (8955903)	0.4	1.22	<1	5	11	<0.5	<1	1.44	<0.5	23	25.4	14.9	80.4	5.10
E5570322 (8955904)	0.5	1.25	<1	5	12	<0.5	<1	1.56	<0.5	24	24.2	16.1	70.1	4.92
E5570323 (8955905)	0.7	1.54	<1	5	9	<0.5	<1	1.40	<0.5	24	26.5	14.2	111	5.14
E5570324 (8955906)	1.5	2.32	<1	5	7	0.6	7	2.38	<0.5	20	31.8	16.9	330	6.28
E5570325 (8955907)	0.3	1.45	<1	5	12	<0.5	<1	1.35	<0.5	23	21.8	9.8	88.9	4.97
E5570326 (8955908)	<0.2	2.76	<1	5	5	0.8	<1	1.12	<0.5	16	28.3	8.4	104	5.58
E5570327 (8955909)	1.7	0.18	674	5	636	<0.5	4	2.15	<0.5	3	6.4	14.7	69.0	2.65
E5570328 (8955910)	<0.2	2.40	<1	5	3	<0.5	<1	0.39	<0.5	29	11.9	14.8	5.7	4.01
E5570329 (8955911)	<0.2	0.96	<1	5	8	<0.5	<1	0.16	<0.5	5	3.5	20.3	33.6	1.36
E5570330 (8955912)	1.4	2.76	<1	5	6	0.9	<1	0.74	<0.5	9	23.6	13.9	1250	5.83
E5570331 (8955913)	1.0	4.34	<1	5	2	2.2	1	1.32	<0.5	7	33.0	6.5	480	7.42
E5570332 (8955914)	<0.2	4.33	<1	5	4	1.3	<1	1.10	<0.5	5	32.1	4.0	102	6.93
E5570333 (8955915)	1.0	4.57	<1	5	6	1.9	<1	1.05	<0.5	6	34.9	4.1	57.2	7.91
E5570334 (8955916)	1.7	0.07	2	5	13	<0.5	<1	>25	<0.5	1	0.7	2.9	<0.5	0.14
E5570335 (8955917)	5.4	4.73	<1	5	10	1.2	12	2.24	<0.5	6	68.5	5.9	207	10.4
E5570336 (8955918)	2.7	3.12	<1	5	11	1.2	4	1.29	<0.5	20	25.4	1.2	293	7.76
E5570337 (8955919)	2.9	3.18	<1	5	9	0.9	1	4.85	<0.5	16	21.4	<0.5	313	8.45
E5570338 (8955920)	2.5	3.25	<1	5	20	0.8	<1	1.77	<0.5	16	33.9	0.8	156	7.98
E5570339 (8955921)	1.3	2.34	<1	5	30	0.6	<1	1.52	<0.5	11	33.9	1.4	225	6.16
E5570340 (8955922)	1.2	2.54	<1	5	14	0.9	<1	2.10	<0.5	10	29.0	1.6	177	5.96
E5570341 (8955923)	3.5	2.82	<1	5	14	0.8	<1	2.29	<0.5	8	38.8	30.8	178	6.99

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B291494

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

### (201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 05, 2017	DATE RECEIVED: Nov 30, 2017		DATE REPORTED: Jan 23, 2018		SAMPLE TYPE: Drill Core									
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
RDL:	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01
E5570342 (8955924)	3.6	2.91	<1	5	15	1.1	<1	2.54	<0.5	8	31.8	11.2	220	7.04
E5570343 (8955925)	5.3	2.82	<1	5	27	0.9	<1	1.68	<0.5	10	55.1	15.4	534	7.88
E5570344 (8955926)	5.0	2.94	<1	5	34	0.7	<1	1.78	<0.5	12	36.1	15.5	496	7.51
E5570345 (8955927)	1.7	3.44	<1	5	13	1.0	<1	1.71	<0.5	12	37.3	14.5	133	7.54
E5570346 (8955928)	1.1	1.78	<1	5	26	0.5	<1	1.67	<0.5	13	35.7	21.2	191	10.8
E5570347 (8955929)	1.9	0.21	714	5	854	<0.5	3	2.22	<0.5	4	6.5	15.7	71.6	2.76
E5570348 (8955930)	5.6	2.28	<1	5	13	0.8	<1	3.77	<0.5	8	36.1	20.5	168	7.19
E5570349 (8955931)	3.1	2.27	<1	5	10	1.1	<1	2.94	<0.5	12	39.6	17.8	162	6.36
E5570350 (8955932)	3.0	3.00	<1	5	72	1.0	<1	3.20	<0.5	11	39.2	20.0	190	6.98
E5570351 (8955933)	1.0	1.24	<1	5	22	0.7	<1	1.79	1.2	14	6.6	24.9	70.2	1.87
E5570352 (8955934)	6.5	3.47	<1	5	52	1.4	<1	3.80	<0.5	11	41.8	18.2	278	8.62
E5570353 (8955935)	4.1	2.74	<1	5	32	0.9	<1	2.34	<0.5	12	25.2	20.0	226	5.84
E5570354 (8955936)	2.2	0.03	34	5	15	<0.5	<1	>25	<0.5	1	0.7	4.1	<0.5	0.11
E5570355 (8955937)	1.3	1.59	<1	5	6	<0.5	<1	2.02	<0.5	12	27.8	10.1	130	3.98
E5570356 (8955938)	1.3	1.69	<1	5	11	0.5	<1	2.51	<0.5	8	37.0	10.2	123	4.74
E5570357 (8955939)	1.6	1.60	<1	5	8	0.6	<1	2.13	<0.5	13	30.9	11.0	174	4.28
E5570358 (8955940)	0.8	1.97	<1	5	27	<0.5	<1	1.64	<0.5	12	32.0	10.0	132	5.10
E5570359 (8955941)	0.8	1.57	<1	5	22	<0.5	<1	1.54	<0.5	14	28.5	10.5	134	4.04
E5570360 (8955942)	1.8	2.30	<1	5	67	0.7	<1	1.64	<0.5	8	39.4	11.3	133	5.48
E5570361 (8955943)	1.4	2.37	<1	5	67	0.6	<1	1.86	<0.5	10	39.0	11.4	134	5.74
E5570362 (8955944)	2.4	1.97	<1	14	22	0.7	<1	2.49	<0.5	8	30.9	10.4	114	4.96
E5570363 (8955945)	1.9	2.10	<1	5	23	0.6	<1	1.91	<0.5	11	40.4	15.2	173	5.43
E5570364 (8955946)	1.7	1.53	<1	52	5	0.8	<1	2.73	<0.5	9	32.2	15.0	167	4.65
E5570365 (8955947)	3.0	1.75	<1	5	20	0.8	<1	2.39	<0.5	12	38.7	18.1	236	5.67
E5570366 (8955948)	1.1	2.06	<1	5	29	0.7	<1	1.82	<0.5	18	31.7	27.6	106	5.41
E5570367 (8955949)	1.7	0.24	721	5	1030	<0.5	2	2.24	<0.5	4	6.1	16.6	71.5	2.78
E5570368 (8955950)	1.9	1.81	<1	5	15	0.6	<1	1.74	<0.5	14	39.2	14.9	265	5.09
E5570369 (8955951)	2.8	1.94	<1	32	17	0.6	<1	2.16	<0.5	13	47.0	14.7	492	6.20
E5570370 (8955952)	1.0	1.73	<1	10	33	<0.5	<1	1.68	<0.5	13	29.2	12.8	159	4.21
E5570371 (8955953)	0.9	1.43	<1	5	6	<0.5	<1	1.70	<0.5	11	28.4	12.5	245	3.58
E5570372 (8955954)	2.2	2.03	<1	5	56	<0.5	<1	4.28	<0.5	7	29.8	10.1	263	4.74
E5570373 (8955955)	1.8	2.06	<1	5	50	0.5	<1	1.63	<0.5	7	30.8	12.2	259	4.63

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## Certificate of Analysis

AGAT WORK ORDER: 17B291494

PROJECT:

5623 McADAM ROAD  
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

### (201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 05, 2017	DATE RECEIVED: Nov 30, 2017					DATE REPORTED: Jan 23, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	
RDL:	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	
E5570374 (8955956)	2.0	0.06	30	<5	14	<0.5	<1	>25	<0.5	1	0.7	6.6	<0.5	0.17	
E5570375 (8955957)	0.5	1.23	<1	<5	5	<0.5	<1	1.70	<0.5	13	15.2	9.6	78.9	2.68	
E5570376 (8955958)	0.9	2.21	<1	<5	18	<0.5	<1	1.65	<0.5	21	27.7	12.4	184	4.79	
E5570377 (8955959)	1.0	1.59	<1	<5	13	<0.5	<1	1.65	<0.5	16	29.2	11.7	263	3.67	
E5570378 (8955960)	2.9	1.52	<1	<5	13	<0.5	<1	1.19	<0.5	12	31.2	17.5	559	4.08	
E5570379 (8955961)	3.9	1.37	<1	<5	36	<0.5	<1	1.34	<0.5	13	28.1	16.5	814	4.12	
E5570380 (8955962)	0.8	1.45	<1	169	8	<0.5	<1	1.20	<0.5	15	26.2	15.0	297	4.58	
E5570381 (8955963)	1.3	1.47	<1	203	8	<0.5	<1	1.20	<0.5	15	24.0	14.7	309	4.60	
E5570382 (8955964)	0.6	1.12	<1	77	6	<0.5	<1	0.89	<0.5	16	26.3	10.8	223	4.41	
E5570383 (8955965)	0.9	0.99	<1	6	5	<0.5	<1	1.40	<0.5	13	27.8	13.2	308	3.39	
E5570384 (8955966)	2.5	1.52	<1	18	14	<0.5	<1	1.51	<0.5	10	38.0	10.1	553	4.17	
E5570385 (8955967)	3.7	1.58	<1	14	14	<0.5	3	1.22	<0.5	13	37.8	11.4	1610	5.29	
E5570386 (8955968)	0.7	0.91	<1	12	5	<0.5	<1	1.29	<0.5	15	18.4	9.5	207	2.59	
E5570387 (8955969)	1.8	0.22	712	<5	822	<0.5	3	2.13	<0.5	3	6.3	15.9	70.2	2.77	
E5570388 (8955970)	1.6	1.39	<1	<5	15	<0.5	<1	1.23	<0.5	13	37.8	9.6	381	4.29	
E5570389 (8955971)	0.9	1.14	<1	45	7	<0.5	<1	1.60	<0.5	13	19.0	6.9	212	3.27	
E5570390 (8955972)	>100	0.59	<1	<5	9	<0.5	35	0.52	<0.5	9	10.5	13.9	524	1.64	
E5570391 (8955973)	8.4	1.24	<1	<5	13	<0.5	<1	1.12	<0.5	13	22.8	8.7	252	3.58	
E5570392 (8955974)	1.8	0.93	<1	<5	8	<0.5	<1	1.33	<0.5	11	20.2	8.3	280	2.80	
E5570393 (8955975)	1.2	0.87	<1	13	7	<0.5	<1	1.05	<0.5	13	16.5	9.4	277	2.32	
E5570394 (8955976)	2.4	0.10	29	<5	22	<0.5	<1	>25	<0.5	2	0.8	6.0	<0.5	0.18	
E5570395 (8955977)	1.9	1.30	<1	<5	32	<0.5	<1	1.97	<0.5	12	24.7	7.7	271	3.83	
E5570396 (8955978)	0.8	0.78	<1	<5	7	<0.5	<1	1.21	<0.5	12	16.5	6.7	258	2.69	
E5570397 (8955979)	1.0	1.40	<1	<5	8	<0.5	<1	1.26	<0.5	13	25.4	8.2	256	3.43	
E5570398 (8955980)	1.1	1.50	<1	<5	9	<0.5	<1	1.46	<0.5	10	27.9	7.8	143	4.11	
E5570399 (8955981)	1.5	1.70	<1	<5	5	<0.5	<1	1.31	<0.5	13	36.7	17.5	491	5.18	
E5570400 (8955982)	1.8	1.33	<1	<5	4	<0.5	<1	1.07	<0.5	14	46.0	24.0	440	3.97	
E5570401 (8955983)	1.6	1.35	<1	<5	4	<0.5	<1	1.11	<0.5	15	32.6	24.0	417	3.69	

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 17B291494

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

### (201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 05, 2017	DATE RECEIVED: Nov 30, 2017						DATE REPORTED: Jan 23, 2018					SAMPLE TYPE: Drill Core			
Analyte:	Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	
Unit:	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10	
Sample ID (AGAT ID)															
E5570310 (8955892)	12	<1	<1	0.15	7	10	1.02	352	<0.5	0.14	37.7	<10	<0.5	11	
E5570311 (8955893)	15	<1	<1	0.41	6	19	1.63	265	3.2	0.08	45.1	<10	<0.5	24	
E5570312 (8955894)	14	<1	<1	0.19	6	17	1.33	267	2.4	0.10	31.4	511	<0.5	12	
E5570313 (8955895)	15	<1	<1	0.11	7	15	1.17	236	2.8	0.09	29.1	12	<0.5	<10	
E5570314 (8955896)	10	<1	<1	<0.01	2	<1	0.74	101	<0.5	<0.01	3.1	59	4.3	<10	
E5570315 (8955897)	20	<1	<1	0.55	5	18	1.65	481	2.2	0.09	34.9	<10	<0.5	33	
E5570316 (8955898)	21	<1	<1	0.84	5	19	2.27	1050	2.2	0.09	28.6	<10	<0.5	45	
E5570317 (8955899)	24	<1	<1	0.79	6	30	2.33	554	6.1	0.07	54.6	<10	<0.5	33	
E5570318 (8955900)	17	<1	<1	0.26	10	13	0.94	441	6.2	0.11	36.3	<10	<0.5	13	
E5570319 (8955901)	14	<1	<1	0.05	10	6	0.65	222	4.0	0.10	33.8	1160	<0.5	<10	
E5570320 (8955902)	12	<1	<1	0.04	6	4	0.53	187	4.7	0.06	36.5	416	<0.5	<10	
E5570321 (8955903)	17	<1	<1	0.10	9	7	0.83	380	4.6	0.11	35.1	1060	<0.5	<10	
E5570322 (8955904)	14	<1	<1	0.10	9	6	0.82	401	5.3	0.11	37.0	1120	<0.5	<10	
E5570323 (8955905)	18	<1	<1	0.09	9	9	1.07	547	4.8	0.13	35.5	1050	<0.5	<10	
E5570324 (8955906)	21	<1	<1	0.06	9	23	1.66	741	2.7	0.06	37.6	<10	<0.5	<10	
E5570325 (8955907)	18	<1	<1	0.03	8	12	1.04	463	3.4	0.12	28.0	420	<0.5	<10	
E5570326 (8955908)	29	<1	<1	0.05	7	50	3.93	476	2.3	0.06	26.6	1030	<0.5	<10	
E5570327 (8955909)	7	6	<1	0.15	2	<1	0.91	285	24.2	<0.01	65.6	409	20.5	10	
E5570328 (8955910)	20	<1	<1	0.01	16	38	3.40	301	3.4	0.03	23.5	281	<0.5	<10	
E5570329 (8955911)	15	<1	<1	0.08	2	17	1.21	166	4.2	0.08	29.1	<10	<0.5	<10	
E5570330 (8955912)	26	<1	<1	0.06	4	56	3.50	479	8.3	0.06	34.8	<10	<0.5	<10	
E5570331 (8955913)	41	<1	<1	<0.01	3	92	6.82	729	2.8	0.04	33.7	<10	<0.5	<10	
E5570332 (8955914)	37	<1	<1	0.03	3	101	7.16	654	2.6	0.03	32.3	28	<0.5	<10	
E5570333 (8955915)	38	<1	<1	0.05	5	99	7.03	794	2.4	0.02	31.9	151	<0.5	<10	
E5570334 (8955916)	10	<1	<1	<0.01	3	3	0.80	105	<0.5	<0.01	3.3	65	3.8	<10	
E5570335 (8955917)	36	<1	<1	0.11	4	109	7.51	901	5.9	0.01	34.2	<10	<0.5	<10	
E5570336 (8955918)	28	<1	<1	0.11	7	70	3.97	791	1.4	0.03	18.5	<10	17.7	<10	
E5570337 (8955919)	34	<1	<1	0.09	8	58	4.00	1200	3.0	0.03	11.5	<10	66.1	<10	
E5570338 (8955920)	35	<1	<1	0.18	7	60	3.84	1010	1.3	0.05	15.2	<10	2.6	12	
E5570339 (8955921)	22	<1	<1	0.14	4	29	2.30	873	1.5	0.08	28.1	<10	0.5	<10	
E5570340 (8955922)	27	<1	<1	0.17	4	40	2.69	922	2.4	0.05	27.1	<10	<0.5	11	
E5570341 (8955923)	29	<1	<1	0.19	4	50	3.79	789	4.9	0.04	68.0	<10	<0.5	12	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B291494

PROJECT:

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

### (201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 05, 2017	DATE RECEIVED: Nov 30, 2017						DATE REPORTED: Jan 23, 2018					SAMPLE TYPE: Drill Core			
Analyte:	Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	
Unit:	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10	
E5570342 (8955924)	26	<1	<1	0.20	4	54	3.88	812	3.1	0.03	37.5	<10	<0.5	13	
E5570343 (8955925)	28	<1	<1	0.31	5	53	3.57	730	4.2	0.05	48.5	<10	<0.5	20	
E5570344 (8955926)	24	<1	<1	0.43	5	48	3.41	727	3.7	0.08	54.5	<10	<0.5	26	
E5570345 (8955927)	33	<1	<1	0.14	6	66	4.55	789	2.2	0.05	47.7	<10	<0.5	12	
E5570346 (8955928)	22	<1	<1	0.24	6	17	1.87	699	4.4	0.11	55.9	<10	<0.5	13	
E5570347 (8955929)	6	6	<1	0.16	2	<1	0.94	298	25.3	<0.01	68.2	420	16.8	13	
E5570348 (8955930)	28	<1	<1	0.18	4	43	3.14	1040	4.0	0.04	55.6	<10	<0.5	12	
E5570349 (8955931)	26	<1	<1	0.17	5	40	2.73	836	4.4	0.07	50.9	<10	<0.5	11	
E5570350 (8955932)	30	<1	<1	1.41	5	33	2.83	941	4.1	0.15	59.4	<10	<0.5	72	
E5570351 (8955933)	14	<1	<1	0.50	6	18	1.52	314	5.6	0.06	41.9	<10	73.2	23	
E5570352 (8955934)	32	<1	<1	1.33	5	54	3.68	1110	3.9	0.15	58.1	<10	2.4	69	
E5570353 (8955935)	25	<1	<1	0.72	7	48	3.25	788	4.7	0.05	46.5	<10	7.7	37	
E5570354 (8955936)	9	<1	<1	<0.01	2	2	0.86	108	1.4	<0.01	6.6	61	4.2	<10	
E5570355 (8955937)	18	<1	<1	0.11	5	18	1.67	517	2.4	0.10	37.5	<10	41.4	<10	
E5570356 (8955938)	20	<1	<1	0.12	3	18	1.49	640	2.7	0.10	38.6	<10	8.9	<10	
E5570357 (8955939)	21	<1	<1	0.12	5	15	1.42	589	2.4	0.13	39.7	<10	8.6	<10	
E5570358 (8955940)	18	<1	<1	0.45	5	16	1.70	539	2.2	0.13	40.1	<10	3.5	20	
E5570359 (8955941)	15	<1	<1	0.32	5	9	1.35	398	2.5	0.15	36.9	<10	<0.5	15	
E5570360 (8955942)	22	<1	<1	1.03	3	15	1.81	511	3.2	0.16	45.1	<10	<0.5	48	
E5570361 (8955943)	21	<1	<1	1.02	3	16	1.85	539	2.6	0.17	44.8	<10	3.6	46	
E5570362 (8955944)	18	<1	<1	0.32	3	21	1.66	600	2.2	0.14	39.0	<10	37.5	16	
E5570363 (8955945)	20	<1	<1	0.40	4	18	1.74	573	3.0	0.13	44.7	<10	<0.5	19	
E5570364 (8955946)	16	<1	<1	0.10	3	22	1.46	516	3.2	0.08	42.3	<10	<0.5	<10	
E5570365 (8955947)	17	<1	<1	0.28	5	23	1.52	528	4.8	0.10	51.4	<10	1.7	13	
E5570366 (8955948)	24	<1	<1	0.47	7	18	1.90	586	6.1	0.19	65.7	<10	<0.5	20	
E5570367 (8955949)	10	6	<1	0.17	2	2	0.94	295	24.3	<0.01	68.2	420	15.9	14	
E5570368 (8955950)	18	<1	<1	0.18	5	20	1.71	497	3.7	0.12	45.3	<10	54.6	<10	
E5570369 (8955951)	20	<1	<1	0.21	4	22	1.90	555	11.1	0.11	45.4	<10	138	13	
E5570370 (8955952)	16	<1	<1	0.44	4	14	1.46	443	4.0	0.13	38.8	<10	<0.5	22	
E5570371 (8955953)	16	<1	<1	0.11	4	11	1.16	372	4.0	0.12	37.2	<10	<0.5	<10	
E5570372 (8955954)	22	<1	<1	0.47	4	15	2.34	819	5.1	0.09	39.3	<10	<0.5	25	
E5570373 (8955955)	15	<1	<1	0.47	3	18	1.67	456	3.5	0.13	43.3	<10	<0.5	25	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B291494

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

### (201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 05, 2017	DATE RECEIVED: Nov 30, 2017						DATE REPORTED: Jan 23, 2018					SAMPLE TYPE: Drill Core			
Analyte:	Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	
Unit:	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10	
E5570374 (8955956)	9	<1	<1	0.01	2	1	1.43	126	1.2	<0.01	8.1	103	3.6	<10	
E5570375 (8955957)	16	<1	<1	0.08	5	4	0.91	273	2.5	0.18	25.0	13	<0.5	<10	
E5570376 (8955958)	21	<1	<1	0.29	8	20	1.80	381	7.9	0.20	44.5	<10	<0.5	13	
E5570377 (8955959)	19	<1	<1	0.14	7	17	1.39	393	3.5	0.11	38.6	<10	<0.5	<10	
E5570378 (8955960)	14	<1	<1	0.32	4	12	1.38	347	9.4	0.09	44.2	<10	<0.5	12	
E5570379 (8955961)	14	<1	<1	0.30	5	10	1.21	322	11.5	0.12	41.4	<10	<0.5	20	
E5570380 (8955962)	16	<1	<1	0.10	6	12	1.27	304	7.3	0.13	37.8	<10	<0.5	<10	
E5570381 (8955963)	17	<1	<1	0.12	6	13	1.27	290	6.7	0.13	37.2	<10	<0.5	<10	
E5570382 (8955964)	14	<1	<1	0.09	6	11	0.98	241	3.2	0.11	34.2	<10	1.9	<10	
E5570383 (8955965)	11	<1	<1	0.06	5	7	0.80	242	3.8	0.09	33.5	<10	<0.5	<10	
E5570384 (8955966)	15	<1	<1	0.14	4	17	1.41	324	10.3	0.10	38.7	<10	<0.5	<10	
E5570385 (8955967)	17	<1	<1	0.11	6	15	1.56	266	15.2	0.08	42.3	<10	<0.5	<10	
E5570386 (8955968)	13	<1	<1	0.06	5	6	0.82	216	4.8	0.12	26.0	<10	<0.5	<10	
E5570387 (8955969)	13	5	<1	0.16	2	2	0.93	289	24.6	<0.01	67.8	417	18.0	13	
E5570388 (8955970)	14	<1	<1	0.17	5	11	1.27	251	10.3	0.15	32.3	<10	<0.5	13	
E5570389 (8955971)	15	<1	<1	0.08	5	7	1.01	276	6.0	0.16	23.8	<10	<0.5	<10	
E5570390 (8955972)	14	<1	<1	0.09	4	9	0.49	101	3.5	0.11	20.7	<10	153	<10	
E5570391 (8955973)	14	<1	<1	0.12	5	14	1.19	240	8.9	0.12	30.2	<10	<0.5	<10	
E5570392 (8955974)	14	<1	<1	0.07	5	9	0.82	209	11.2	0.10	27.0	<10	0.9	<10	
E5570393 (8955975)	9	<1	<1	0.07	5	5	0.75	186	3.7	0.11	27.2	<10	<0.5	<10	
E5570394 (8955976)	14	<1	<1	0.02	2	5	1.44	118	0.6	<0.01	1.1	122	3.6	<10	
E5570395 (8955977)	15	<1	<1	0.32	4	14	1.27	325	7.1	0.10	24.2	<10	<0.5	20	
E5570396 (8955978)	11	<1	<1	0.07	5	5	0.72	252	14.2	0.11	14.9	<10	<0.5	<10	
E5570397 (8955979)	13	<1	<1	0.10	4	13	1.32	272	4.8	0.12	20.9	<10	<0.5	<10	
E5570398 (8955980)	16	<1	<1	0.12	3	14	1.39	275	3.4	0.11	25.8	<10	<0.5	<10	
E5570399 (8955981)	20	<1	<1	0.08	5	25	1.68	247	7.0	0.08	31.1	<10	<0.5	<10	
E5570400 (8955982)	14	<1	<1	0.05	5	10	1.24	214	4.0	0.10	28.7	<10	2.9	<10	
E5570401 (8955983)	14	<1	<1	0.05	6	11	1.21	224	3.4	0.11	25.5	<10	3.4	<10	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B291494

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

### (201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 05, 2017	DATE RECEIVED: Nov 30, 2017					DATE REPORTED: Jan 23, 2018					SAMPLE TYPE: Drill Core				
Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	0.01	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1	
E5570310 (8955892)	0.34	<1	7.6	<10	7	33.5	15	<10	<5	0.14	<5	<5	86.2	<1	
E5570311 (8955893)	1.80	1	10.5	<10	8	14.3	25	<10	<5	0.16	<5	6	166	<1	
E5570312 (8955894)	0.20	<1	6.5	<10	7	21.7	14	<10	<5	0.15	<5	5	101	<1	
E5570313 (8955895)	0.29	<1	5.7	<10	5	20.7	29	<10	<5	0.12	<5	<5	101	<1	
E5570314 (8955896)	0.37	10	<0.5	28	<5	97.1	<10	<10	<5	<0.01	<5	<5	1.6	<1	
E5570315 (8955897)	0.61	<1	8.4	<10	9	32.7	18	<10	<5	0.22	<5	5	124	<1	
E5570316 (8955898)	0.68	<1	7.7	<10	9	41.8	22	<10	<5	0.20	<5	8	122	<1	
E5570317 (8955899)	7.05	<1	17.5	16	9	9.6	63	<10	14	0.20	<5	23	188	<1	
E5570318 (8955900)	1.59	<1	8.4	<10	8	22.2	31	<10	9	0.18	<5	10	129	<1	
E5570319 (8955901)	0.50	<1	5.7	<10	<5	18.8	24	<10	7	0.11	<5	6	129	<1	
E5570320 (8955902)	0.17	<1	4.4	<10	<5	19.8	17	<10	<5	0.13	<5	<5	104	<1	
E5570321 (8955903)	0.35	1	7.3	<10	7	20.7	24	<10	<5	0.15	<5	8	140	<1	
E5570322 (8955904)	0.30	<1	8.1	<10	7	15.4	24	<10	<5	0.16	<5	6	144	<1	
E5570323 (8955905)	0.77	1	8.1	<10	8	19.9	24	<10	<5	0.16	<5	8	121	<1	
E5570324 (8955906)	1.24	<1	6.1	<10	8	24.8	30	<10	<5	0.18	<5	<5	116	<1	
E5570325 (8955907)	0.30	<1	7.0	<10	7	11.7	22	<10	<5	0.16	<5	8	125	<1	
E5570326 (8955908)	0.29	<1	18.4	<10	9	<0.5	26	<10	<5	0.19	<5	11	178	<1	
E5570327 (8955909)	1.94	5	2.6	<10	<5	41.0	12	<10	<5	<0.01	<5	<5	35.9	<1	
E5570328 (8955910)	0.30	<1	10.5	<10	5	<0.5	19	<10	<5	0.11	<5	11	92.6	<1	
E5570329 (8955911)	0.04	<1	1.2	<10	<5	<0.5	<10	<10	<5	0.04	<5	<5	13.4	<1	
E5570330 (8955912)	1.41	<1	13.1	<10	6	13.7	28	<10	<5	0.12	<5	12	156	<1	
E5570331 (8955913)	0.64	1	24.4	<10	8	17.5	32	<10	<5	0.16	<5	20	283	<1	
E5570332 (8955914)	0.44	2	25.8	<10	8	16.7	30	<10	<5	0.17	<5	17	283	<1	
E5570333 (8955915)	0.74	<1	23.4	<10	7	18.5	38	<10	<5	0.16	<5	19	261	<1	
E5570334 (8955916)	0.34	10	0.6	22	<5	86.0	<10	<10	<5	<0.01	<5	<5	3.0	<1	
E5570335 (8955917)	4.82	2	18.2	11	7	15.0	52	<10	<5	0.13	<5	22	222	<1	
E5570336 (8955918)	2.40	1	19.3	<10	11	6.4	36	<10	<5	0.23	<5	18	182	<1	
E5570337 (8955919)	3.43	2	13.8	10	7	22.3	37	<10	<5	0.17	<5	16	145	<1	
E5570338 (8955920)	1.67	<1	15.3	10	14	1.7	32	<10	<5	0.30	<5	15	285	<1	
E5570339 (8955921)	1.58	<1	8.9	<10	11	26.3	30	<10	<5	0.26	<5	13	201	<1	
E5570340 (8955922)	1.03	<1	7.3	<10	12	6.4	28	<10	<5	0.29	<5	13	158	<1	
E5570341 (8955923)	2.81	<1	20.0	10	12	<0.5	34	<10	<5	0.26	<5	18	226	<1	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B291494

PROJECT:

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FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

### (201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 05, 2017	DATE RECEIVED: Nov 30, 2017					DATE REPORTED: Jan 23, 2018					SAMPLE TYPE: Drill Core				
Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	0.01	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1	
E5570342 (8955924)	2.85	<1	19.9	12	12	<0.5	33	<10	<5	0.27	<5	12	219	<1	
E5570343 (8955925)	3.99	<1	17.0	16	12	4.1	39	<10	<5	0.29	<5	18	186	<1	
E5570344 (8955926)	3.28	<1	12.5	11	14	13.3	37	<10	<5	0.32	<5	15	179	<1	
E5570345 (8955927)	1.53	<1	20.3	<10	16	<0.5	34	<10	<5	0.35	<5	13	229	<1	
E5570346 (8955928)	0.84	<1	8.6	14	9	18.0	52	<10	9	0.20	<5	16	143	<1	
E5570347 (8955929)	2.05	7	2.6	11	<5	47.4	13	<10	<5	<0.01	<5	<5	41.7	<1	
E5570348 (8955930)	4.72	2	19.0	12	11	6.7	29	<10	<5	0.26	<5	17	193	<1	
E5570349 (8955931)	2.41	<1	14.3	12	13	5.7	32	<10	<5	0.30	<5	14	174	151	
E5570350 (8955932)	3.83	<1	20.1	<10	16	25.4	33	<10	<5	0.38	<5	9	183	194	
E5570351 (8955933)	0.93	<1	1.6	<10	<5	28.1	10	<10	<5	0.07	<5	<5	30.8	21	
E5570352 (8955934)	6.16	<1	27.8	10	15	55.7	44	<10	<5	0.37	<5	10	215	<1	
E5570353 (8955935)	3.05	<1	14.7	<10	11	<0.5	27	<10	<5	0.25	<5	9	139	<1	
E5570354 (8955936)	0.38	10	<0.5	29	<5	96.3	<10	<10	<5	<0.01	<5	<5	1.8	<1	
E5570355 (8955937)	1.11	<1	7.1	<10	8	20.6	19	<10	<5	0.19	<5	<5	101	<1	
E5570356 (8955938)	1.34	<1	7.0	<10	10	23.0	23	<10	<5	0.22	<5	10	114	<1	
E5570357 (8955939)	1.40	<1	8.5	<10	10	19.6	20	<10	<5	0.25	<5	<5	106	<1	
E5570358 (8955940)	0.70	<1	10.1	<10	11	31.7	24	<10	<5	0.26	<5	8	143	<1	
E5570359 (8955941)	0.64	<1	9.1	<10	9	25.8	20	<10	<5	0.21	<5	<5	120	<1	
E5570360 (8955942)	1.92	<1	9.0	<10	14	37.4	27	<10	<5	0.31	<5	7	148	<1	
E5570361 (8955943)	2.00	<1	9.0	<10	15	31.3	25	<10	<5	0.33	<5	8	143	<1	
E5570362 (8955944)	1.57	<1	8.4	<10	13	31.4	22	<10	<5	0.31	<5	<5	127	<1	
E5570363 (8955945)	1.81	<1	10.1	<10	13	29.1	25	<10	<5	0.30	<5	7	147	<1	
E5570364 (8955946)	2.05	<1	6.7	<10	11	24.0	21	<10	<5	0.26	<5	8	104	<1	
E5570365 (8955947)	2.98	<1	7.4	<10	12	26.4	27	<10	<5	0.28	<5	5	113	<1	
E5570366 (8955948)	0.86	<1	11.9	<10	13	29.3	24	<10	<5	0.29	<5	7	153	<1	
E5570367 (8955949)	2.05	7	2.7	<10	<5	47.4	13	<10	<5	<0.01	<5	<5	45.7	<1	
E5570368 (8955950)	1.92	<1	9.0	<10	11	23.4	24	<10	<5	0.25	<5	8	114	<1	
E5570369 (8955951)	2.82	<1	8.2	<10	12	20.6	27	<10	<5	0.28	<5	<5	125	<1	
E5570370 (8955952)	0.74	<1	9.0	<10	11	24.5	19	<10	<5	0.27	<5	6	119	<1	
E5570371 (8955953)	0.88	<1	7.7	<10	9	16.5	18	<10	<5	0.21	<5	<5	92.4	<1	
E5570372 (8955954)	1.79	<1	7.1	<10	11	37.9	23	<10	<5	0.25	<5	8	104	<1	
E5570373 (8955955)	1.54	<1	8.4	<10	11	30.9	22	<10	<5	0.28	<5	8	108	<1	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B291494

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

### (201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 05, 2017

DATE RECEIVED: Nov 30, 2017

DATE REPORTED: Jan 23, 2018

SAMPLE TYPE: Drill Core

Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
RDL:	0.01	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
E5570374 (8955956)	0.35	10	<0.5	23	<5	90.9	<10	<10	<5	<0.01	<5	<5	2.8	<1
E5570375 (8955957)	0.14	<1	7.9	<10	6	32.0	15	<10	<5	0.14	<5	<5	77.7	<1
E5570376 (8955958)	0.40	1	11.4	<10	9	29.6	22	<10	<5	0.21	<5	<5	133	<1
E5570377 (8955959)	0.82	<1	7.7	<10	10	24.0	18	<10	<5	0.22	<5	<5	100	<1
E5570378 (8955960)	1.30	<1	6.6	<10	8	27.2	19	<10	<5	0.19	<5	5	103	<1
E5570379 (8955961)	0.92	<1	8.3	<10	9	26.1	18	<10	<5	0.20	<5	5	111	<1
E5570380 (8955962)	0.37	<1	7.3	<10	7	17.9	23	<10	<5	0.15	<5	8	125	<1
E5570381 (8955963)	0.37	<1	7.0	<10	7	14.7	23	<10	<5	0.16	<5	<5	125	<1
E5570382 (8955964)	0.62	<1	5.9	<10	5	21.5	20	<10	<5	0.12	<5	7	133	<1
E5570383 (8955965)	0.66	<1	6.0	<10	8	29.3	16	<10	<5	0.18	<5	<5	90.4	<1
E5570384 (8955966)	1.70	<1	6.8	<10	9	27.7	21	<10	<5	0.20	<5	<5	87.5	<1
E5570385 (8955967)	2.51	<1	5.8	<10	7	32.1	27	<10	<5	0.16	<5	<5	84.3	<1
E5570386 (8955968)	0.29	<1	6.6	<10	6	23.5	13	<10	<5	0.14	<5	<5	78.5	<1
E5570387 (8955969)	2.00	7	2.7	<10	<5	52.9	14	<10	<5	<0.01	<5	<5	43.1	<1
E5570388 (8955970)	0.92	<1	8.8	<10	7	29.6	20	<10	<5	0.17	<5	<5	112	<1
E5570389 (8955971)	0.41	<1	8.3	<10	8	26.1	14	<10	<5	0.19	<5	<5	101	<1
E5570390 (8955972)	0.84	<1	1.7	<10	<5	17.7	<10	>1000	<5	0.06	<5	<5	28.1	3
E5570391 (8955973)	0.44	<1	6.6	<10	8	15.6	16	<10	<5	0.18	<5	6	91.2	<1
E5570392 (8955974)	0.58	1	5.5	<10	6	22.0	13	<10	<5	0.14	<5	<5	70.8	<1
E5570393 (8955975)	0.24	<1	5.7	<10	5	26.1	12	<10	<5	0.13	<5	<5	63.9	<1
E5570394 (8955976)	0.34	11	<0.5	21	<5	83.7	<10	<10	<5	<0.01	<5	<5	1.6	<1
E5570395 (8955977)	1.37	<1	6.4	<10	9	17.6	18	<10	<5	0.21	<5	<5	91.5	<1
E5570396 (8955978)	0.27	<1	5.2	<10	5	16.7	12	<10	<5	0.12	<5	<5	70.2	<1
E5570397 (8955979)	0.37	<1	6.7	<10	8	20.3	15	<10	<5	0.17	<5	5	92.3	<1
E5570398 (8955980)	0.99	<1	6.5	<10	9	28.2	20	<10	<5	0.23	<5	<5	102	<1
E5570399 (8955981)	1.82	<1	8.5	<10	8	19.1	25	<10	<5	0.19	<5	<5	101	<1
E5570400 (8955982)	1.50	<1	6.5	<10	6	21.1	17	<10	<5	0.14	<5	<5	87.8	<1
E5570401 (8955983)	1.04	<1	6.2	<10	7	27.5	16	<10	<5	0.15	<5	<5	84.1	<1

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B291494

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 05, 2017      DATE RECEIVED: Nov 30, 2017      DATE REPORTED: Jan 23, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Y ppm 1	Zn ppm 0.5	Zr ppm 5
E5570310 (8955892)		10	48.1	<5
E5570311 (8955893)		10	80.7	<5
E5570312 (8955894)		7	39.3	<5
E5570313 (8955895)		7	41.3	<5
E5570314 (8955896)		2	1.1	<5
E5570315 (8955897)		9	51.9	<5
E5570316 (8955898)		9	39.3	<5
E5570317 (8955899)		10	128	<5
E5570318 (8955900)		13	60.7	<5
E5570319 (8955901)		10	31.8	<5
E5570320 (8955902)		8	28.6	<5
E5570321 (8955903)		12	45.1	<5
E5570322 (8955904)		13	43.6	<5
E5570323 (8955905)		14	61.0	<5
E5570324 (8955906)		11	125	<5
E5570325 (8955907)		12	44.4	<5
E5570326 (8955908)		16	45.6	<5
E5570327 (8955909)		6	123	6
E5570328 (8955910)		7	26.9	<5
E5570329 (8955911)		3	10.5	7
E5570330 (8955912)		9	32.6	<5
E5570331 (8955913)		22	55.7	<5
E5570332 (8955914)		13	56.6	<5
E5570333 (8955915)		19	55.3	<5
E5570334 (8955916)		2	<0.5	<5
E5570335 (8955917)		13	197	<5
E5570336 (8955918)		22	290	<5
E5570337 (8955919)		22	223	<5
E5570338 (8955920)		24	214	<5
E5570339 (8955921)		14	70.0	<5
E5570340 (8955922)		13	101	<5
E5570341 (8955923)		10	90.7	<5

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B291494

PROJECT:

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 05, 2017      DATE RECEIVED: Nov 30, 2017      DATE REPORTED: Jan 23, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Y ppm 1	Zn ppm 0.5	Zr ppm 5
E5570342 (8955924)		11	92.7	<5
E5570343 (8955925)		12	79.4	<5
E5570344 (8955926)		11	132	<5
E5570345 (8955927)		17	72.2	<5
E5570346 (8955928)		10	666	<5
E5570347 (8955929)		7	131	6
E5570348 (8955930)		9	111	<5
E5570349 (8955931)		14	71.0	<5
E5570350 (8955932)		12	148	<5
E5570351 (8955933)		6	390	17
E5570352 (8955934)		11	231	<5
E5570353 (8955935)		9	267	6
E5570354 (8955936)		2	0.8	<5
E5570355 (8955937)		9	455	<5
E5570356 (8955938)		9	77.7	<5
E5570357 (8955939)		12	84.3	<5
E5570358 (8955940)		10	80.5	<5
E5570359 (8955941)		10	38.2	<5
E5570360 (8955942)		10	61.9	<5
E5570361 (8955943)		10	79.6	<5
E5570362 (8955944)		10	245	<5
E5570363 (8955945)		11	49.6	<5
E5570364 (8955946)		11	34.4	<5
E5570365 (8955947)		10	49.7	<5
E5570366 (8955948)		13	60.6	<5
E5570367 (8955949)		7	129	6
E5570368 (8955950)		10	121	<5
E5570369 (8955951)		10	300	<5
E5570370 (8955952)		10	46.5	<5
E5570371 (8955953)		9	25.9	<5
E5570372 (8955954)		9	109	<5
E5570373 (8955955)		9	72.0	<5

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 17B291494

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

### (201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 05, 2017      DATE RECEIVED: Nov 30, 2017      DATE REPORTED: Jan 23, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Y ppm 1	Zn ppm 0.5	Zr ppm 5
E5570374 (8955956)		2	<0.5	<5
E5570375 (8955957)		8	30.9	<5
E5570376 (8955958)		11	118	<5
E5570377 (8955959)		9	115	<5
E5570378 (8955960)		7	92.1	<5
E5570379 (8955961)		8	84.8	<5
E5570380 (8955962)		7	37.4	<5
E5570381 (8955963)		7	35.3	<5
E5570382 (8955964)		7	42.1	<5
E5570383 (8955965)		7	27.1	<5
E5570384 (8955966)		8	41.5	<5
E5570385 (8955967)		7	35.7	<5
E5570386 (8955968)		8	16.5	<5
E5570387 (8955969)		7	128	6
E5570388 (8955970)		9	24.1	<5
E5570389 (8955971)		10	22.4	<5
E5570390 (8955972)		4	11.1	9
E5570391 (8955973)		7	18.2	<5
E5570392 (8955974)		7	35.0	<5
E5570393 (8955975)		7	15.3	<5
E5570394 (8955976)		2	<0.5	<5
E5570395 (8955977)		8	20.5	<5
E5570396 (8955978)		6	15.5	<5
E5570397 (8955979)		7	20.6	<5
E5570398 (8955980)		8	19.7	<5
E5570399 (8955981)		11	28.0	<5
E5570400 (8955982)		7	27.1	<5
E5570401 (8955983)		6	26.3	<5

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B291494

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
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 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Dec 05, 2017      DATE RECEIVED: Nov 30, 2017      DATE REPORTED: Jan 23, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Au ppm 0.001	Au-Grav g/t 0.5
E5570310 (8955892)		0.064	
E5570311 (8955893)		0.203	
E5570312 (8955894)		0.050	
E5570313 (8955895)		0.034	
E5570314 (8955896)		0.008	
E5570315 (8955897)		0.085	
E5570316 (8955898)		0.042	
E5570317 (8955899)		0.258	
E5570318 (8955900)		0.071	
E5570319 (8955901)		0.021	
E5570320 (8955902)		0.030	
E5570321 (8955903)		0.014	
E5570322 (8955904)		0.020	
E5570323 (8955905)		0.024	
E5570324 (8955906)		0.034	
E5570325 (8955907)		0.011	
E5570326 (8955908)		0.010	
E5570327 (8955909)		4.09	
E5570328 (8955910)		0.011	
E5570329 (8955911)		0.019	
E5570330 (8955912)		0.210	
E5570331 (8955913)		0.052	
E5570332 (8955914)		0.010	
E5570333 (8955915)		0.035	
E5570334 (8955916)		0.002	
E5570335 (8955917)		0.231	
E5570336 (8955918)		0.136	
E5570337 (8955919)		0.357	
E5570338 (8955920)		0.127	
E5570339 (8955921)		0.066	
E5570340 (8955922)		0.073	
E5570341 (8955923)		1.00	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B291494

PROJECT:

5623 McADAM ROAD  
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 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Dec 05, 2017      DATE RECEIVED: Nov 30, 2017      DATE REPORTED: Jan 23, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Au ppm 0.001	Au-Grav g/t 0.5
E5570342 (8955924)		1.24	
E5570343 (8955925)		3.44	
E5570344 (8955926)		3.08	
E5570345 (8955927)		0.806	
E5570346 (8955928)		0.208	
E5570347 (8955929)		3.81	
E5570348 (8955930)		2.98	
E5570349 (8955931)		1.79	
E5570350 (8955932)		2.44	
E5570351 (8955933)		0.489	
E5570352 (8955934)		3.86	
E5570353 (8955935)		2.03	
E5570354 (8955936)		0.01	
E5570355 (8955937)		0.619	
E5570356 (8955938)		0.673	
E5570357 (8955939)		0.783	
E5570358 (8955940)		0.281	
E5570359 (8955941)		0.382	
E5570360 (8955942)		1.31	
E5570361 (8955943)		1.44	
E5570362 (8955944)		1.24	
E5570363 (8955945)		1.62	
E5570364 (8955946)		1.06	
E5570365 (8955947)		1.52	
E5570366 (8955948)		0.388	
E5570367 (8955949)		3.90	
E5570368 (8955950)		0.423	
E5570369 (8955951)		0.565	
E5570370 (8955952)		0.225	
E5570371 (8955953)		0.170	
E5570372 (8955954)		0.543	
E5570373 (8955955)		0.817	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B291494

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Dec 05, 2017      DATE RECEIVED: Nov 30, 2017      DATE REPORTED: Jan 23, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Au ppm 0.001	Au-Grav g/t 0.5
E5570374 (8955956)		0.008	
E5570375 (8955957)		0.026	
E5570376 (8955958)		0.021	
E5570377 (8955959)		0.120	
E5570378 (8955960)		0.140	
E5570379 (8955961)		1.10	
E5570380 (8955962)		0.080	
E5570381 (8955963)		0.102	
E5570382 (8955964)		0.036	
E5570383 (8955965)		0.063	
E5570384 (8955966)		0.422	
E5570385 (8955967)		0.294	
E5570386 (8955968)		0.099	
E5570387 (8955969)		3.83	
E5570388 (8955970)		0.166	
E5570389 (8955971)		0.085	
E5570390 (8955972)		>10	823.1
E5570391 (8955973)		5.73	
E5570392 (8955974)		0.545	
E5570393 (8955975)		0.231	
E5570394 (8955976)		0.011	
E5570395 (8955977)		0.764	
E5570396 (8955978)		0.118	
E5570397 (8955979)		0.135	
E5570398 (8955980)		0.447	
E5570399 (8955981)		0.147	
E5570400 (8955982)		0.163	
E5570401 (8955983)		0.234	

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	8955892	0.53	0.63	17.2%	8955908	< 0.2	< 0.2	0.0%	8955925	5.3	5.6	5.5%	8955942	1.8	1.6	11.8%
Al	8955892	1.43	1.36	5.0%	8955908	2.76	2.78	0.7%	8955925	2.82	2.76	2.2%	8955942	2.30	2.39	3.8%
As	8955892	< 1	< 1	0.0%	8955908	< 1	< 1	0.0%	8955925	< 1	< 1	0.0%	8955942	< 1	< 1	0.0%
B	8955892	35	40	13.3%	8955908	< 5	< 5	0.0%	8955925	< 5	< 5	0.0%	8955942	< 5	< 5	0.0%
Ba	8955892	24	25	4.1%	8955908	5	6	18.2%	8955925	27	27	0.0%	8955942	67	67	0.0%
Be	8955892	< 0.5	< 0.5	0.0%	8955908	0.85	0.86	1.2%	8955925	0.9	0.9	0.0%	8955942	0.7	0.7	0.0%
Bi	8955892	2	< 1		8955908	< 1	< 1	0.0%	8955925	< 1	< 1	0.0%	8955942	< 1	< 1	0.0%
Ca	8955892	1.41	1.35	4.3%	8955908	1.12	1.12	0.0%	8955925	1.68	1.65	1.8%	8955942	1.64	1.80	9.3%
Cd	8955892	< 0.5	< 0.5	0.0%	8955908	< 0.5	< 0.5	0.0%	8955925	< 0.5	< 0.5	0.0%	8955942	< 0.5	< 0.5	0.0%
Ce	8955892	17	17	0.0%	8955908	16	16	0.0%	8955925	10	11	9.5%	8955942	8	9	11.8%
Co	8955892	23.1	22.7	1.7%	8955908	28.3	28.6	1.1%	8955925	55.1	55.6	0.9%	8955942	39.4	39.6	0.5%
Cr	8955892	14.1	13.5	4.3%	8955908	8.42	8.50	0.9%	8955925	15.4	15.2	1.3%	8955942	11.3	11.2	0.9%
Cu	8955892	144	141	2.1%	8955908	104	103	1.0%	8955925	534	529	0.9%	8955942	133	133	0.0%
Fe	8955892	3.07	2.89	6.0%	8955908	5.58	5.57	0.2%	8955925	7.88	7.78	1.3%	8955942	5.48	5.60	2.2%
Ga	8955892	12	15	22.2%	8955908	29	28	3.5%	8955925	28	26	7.4%	8955942	22	20	9.5%
Hg	8955892	< 1	< 1	0.0%	8955908	< 1	< 1	0.0%	8955925	< 1	< 1	0.0%	8955942	< 1	< 1	0.0%
In	8955892	< 1	< 1	0.0%	8955908	< 1	< 1	0.0%	8955925	< 1	< 1	0.0%	8955942	< 1	< 1	0.0%
K	8955892	0.146	0.141	3.5%	8955908	0.05	0.05	0.0%	8955925	0.31	0.31	0.0%	8955942	1.03	1.03	0.0%
La	8955892	7	6	15.4%	8955908	7	7	0.0%	8955925	5	5	0.0%	8955942	3	4	28.6%
Li	8955892	10	8	22.2%	8955908	50	51	2.0%	8955925	53	51	3.8%	8955942	15	15	0.0%
Mg	8955892	1.02	0.97	5.0%	8955908	3.93	3.91	0.5%	8955925	3.57	3.51	1.7%	8955942	1.81	1.86	2.7%
Mn	8955892	352	327	7.4%	8955908	476	479	0.6%	8955925	730	715	2.1%	8955942	511	536	4.8%
Mo	8955892	< 0.5	3.4		8955908	2.32	2.72	15.9%	8955925	4.19	4.57	8.7%	8955942	3.15	2.37	28.3%
Na	8955892	0.14	0.14	0.0%	8955908	0.06	0.06	0.0%	8955925	0.05	0.05	0.0%	8955942	0.16	0.17	6.1%
Ni	8955892	37.7	37.7	0.0%	8955908	26.6	27.3	2.6%	8955925	48.5	48.6	0.2%	8955942	45.1	44.6	1.1%
P	8955892	< 10	< 10	0.0%	8955908	1030	1050	1.9%	8955925	< 10	< 10	0.0%	8955942	< 10	< 10	0.0%
Pb	8955892	< 0.5	< 0.5	0.0%	8955908	< 0.5	< 0.5	0.0%	8955925	< 0.5	< 0.5	0.0%	8955942	< 0.5	< 0.5	0.0%
Rb	8955892	11	10	9.5%	8955908	< 10	< 10	0.0%	8955925	20	18	10.5%	8955942	48	47	2.1%
S	8955892	0.336	0.333	0.9%	8955908	0.29	0.29	0.0%	8955925	3.99	3.95	1.0%	8955942	1.92	1.97	2.6%
Sb	8955892	< 1	< 1	0.0%	8955908	< 1	< 1	0.0%	8955925	< 1	1		8955942	< 1	< 1	0.0%
Sc	8955892	7.60	7.32	3.8%	8955908	18.4	18.9	2.7%	8955925	17.0	16.8	1.2%	8955942	9.0	9.7	7.5%



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

Se	8955892	< 10	< 10	0.0%	8955908	< 10	< 10	0.0%	8955925	16	< 10		8955942	< 10	< 10	0.0%
Sn	8955892	7	6	15.4%	8955908	9	9	0.0%	8955925	12	13	8.0%	8955942	14	15	6.9%
Sr	8955892	33.5	26.0	25.2%	8955908	< 0.5	< 0.5	0.0%	8955925	4.08	4.15	1.7%	8955942	37.4	38.4	2.6%
Ta	8955892	15	13	14.3%	8955908	26	27	3.8%	8955925	39	34	13.7%	8955942	27	25	7.7%
Te	8955892	< 10	< 10	0.0%	8955908	< 10	< 10	0.0%	8955925	< 10	< 10	0.0%	8955942	< 10	< 10	0.0%
Th	8955892	< 5	< 5	0.0%	8955908	< 5	< 5	0.0%	8955925	< 5	< 5	0.0%	8955942	< 5	< 5	0.0%
Ti	8955892	0.14	0.13	7.4%	8955908	0.194	0.198	2.0%	8955925	0.285	0.279	2.1%	8955942	0.314	0.333	5.9%
Tl	8955892	< 5	< 5	0.0%	8955908	< 5	< 5	0.0%	8955925	< 5	< 5	0.0%	8955942	< 5	< 5	0.0%
U	8955892	< 5	< 5	0.0%	8955908	11	8		8955925	18	16	11.8%	8955942	7	10	
V	8955892	86.2	85.0	1.4%	8955908	178	180	1.1%	8955925	186	185	0.5%	8955942	148	149	0.7%
W	8955892	< 1	3		8955908	< 1	< 1	0.0%	8955925	< 1	< 1	0.0%	8955942	< 1	< 1	0.0%
Y	8955892	10	9	10.5%	8955908	16	17	6.1%	8955925	12	12	0.0%	8955942	10	11	9.5%
Zn	8955892	48.1	42.5	12.4%	8955908	45.6	46.2	1.3%	8955925	79.4	77.1	2.9%	8955942	61.9	60.2	2.8%
Zr	8955892	< 5	< 5	0.0%	8955908	< 5	< 5	0.0%	8955925	< 5	< 5	0.0%	8955942	< 5	< 5	0.0%

Parameter	REPLICATE #5				REPLICATE #6											
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	8955959	1.0	1.0	0.0%	8955976	2.4	1.4									
Al	8955959	1.59	1.52	4.5%	8955976	0.096	0.093	3.2%								
As	8955959	< 1	< 1	0.0%	8955976	29	28	3.5%								
B	8955959	< 5	< 5	0.0%	8955976	< 5	< 5	0.0%								
Ba	8955959	13	12	8.0%	8955976	22	20	9.5%								
Be	8955959	< 0.5	< 0.5	0.0%	8955976	< 0.5	< 0.5	0.0%								
Bi	8955959	< 1	< 1	0.0%	8955976	< 1	< 1	0.0%								
Ca	8955959	1.65	1.59	3.7%	8955976	31.7	31.3	1.3%								
Cd	8955959	< 0.5	< 0.5	0.0%	8955976	< 0.5	< 0.5	0.0%								
Ce	8955959	16	14	13.3%	8955976	2	2	0.0%								
Co	8955959	29.2	28.0	4.2%	8955976	0.84	0.89	5.8%								
Cr	8955959	11.7	11.1	5.3%	8955976	6.0	6.1	1.7%								
Cu	8955959	263	263	0.0%	8955976	< 0.5	< 0.5	0.0%								
Fe	8955959	3.67	3.54	3.6%	8955976	0.18	0.18	0.0%								
Ga	8955959	19	15	23.5%	8955976	14	9									
Hg	8955959	< 1	< 1	0.0%	8955976	< 1	1									
In	8955959	< 1	< 1	0.0%	8955976	< 1	< 1	0.0%								
K	8955959	0.14	0.14	0.0%	8955976	0.02	0.02	0.0%								



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

La	8955959	7	5		8955976	2	3									
Li	8955959	17	16	6.1%	8955976	5	5	0.0%								
Mg	8955959	1.39	1.34	3.7%	8955976	1.44	1.41	2.1%								
Mn	8955959	393	374	5.0%	8955976	118	124	5.0%								
Mo	8955959	3.50	3.99	13.1%	8955976	0.6	< 0.5									
Na	8955959	0.11	0.11	0.0%	8955976	< 0.01	< 0.01	0.0%								
Ni	8955959	38.6	36.9	4.5%	8955976	1.07	0.99	7.8%								
P	8955959	< 10	< 10	0.0%	8955976	122	126	3.2%								
Pb	8955959	< 0.5	< 0.5	0.0%	8955976	3.60	2.92	20.9%								
Rb	8955959	< 10	10		8955976	< 10	< 10	0.0%								
S	8955959	0.822	0.815	0.9%	8955976	0.338	0.333	1.5%								
Sb	8955959	< 1	< 1	0.0%	8955976	11	10	9.5%								
Sc	8955959	7.7	7.1	8.1%	8955976	< 0.5	< 0.5	0.0%								
Se	8955959	< 10	< 10	0.0%	8955976	21	23	9.1%								
Sn	8955959	10	8	22.2%	8955976	< 5	< 5	0.0%								
Sr	8955959	24.0	23.0	4.3%	8955976	83.7	89.7	6.9%								
Ta	8955959	18	17	5.7%	8955976	< 10	< 10	0.0%								
Te	8955959	< 10	< 10	0.0%	8955976	< 10	< 10	0.0%								
Th	8955959	< 5	< 5	0.0%	8955976	< 5	< 5	0.0%								
Ti	8955959	0.218	0.205	6.1%	8955976	< 0.01	< 0.01	0.0%								
Tl	8955959	< 5	< 5	0.0%	8955976	< 5	< 5	0.0%								
U	8955959	< 5	< 5	0.0%	8955976	< 5	< 5	0.0%								
V	8955959	100	92.6	7.7%	8955976	1.56	1.50	3.9%								
W	8955959	< 1	< 1	0.0%	8955976	< 1	< 1	0.0%								
Y	8955959	9	8	11.8%	8955976	2	2	0.0%								
Zn	8955959	115	113	1.8%	8955976	< 0.5	< 0.5	0.0%								
Zr	8955959	< 5	< 5	0.0%	8955976	< 5	< 5	0.0%								

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au		42.2	51.2	19.3%	8955915	0.035	0.034	2.9%	8955916	0.002	0.009		8955927	0.806	0.784	2.8%
Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	8955939	0.783	0.771	1.5%	8955951	0.565	0.566	0.2%	8955963	0.102	0.098	4.0%	8955966	0.422	0.404	4.4%



**AGAT** Laboratories

Quality Assurance - Replicate  
 AGAT WORK ORDER: 17B291494  
 PROJECT:

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ATTENTION TO: Wayne Reid, Andrew Tims

Parameter	REPLICATE #9				RPD										
	Sample ID	Original	Replicate	RPD											
Au	8955975	0.231	0.194	17.4%											





CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid, Andrew Tims

### (201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.CDN-ME-1206)				CRM #2 (ref.CDN-ME-1304)				CRM #3 (ref.CDN-ME-1303)				CRM #4 (ref.CDN-ME-1206)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag	274	268	98%	90% - 110%	34.0	35.8	105%	90% - 110%	152	149	98%	90% - 110%	274	273	100%	90% - 110%
Cu	7900	7971	101%	90% - 110%	2680	2688	100%	90% - 110%	3440	3442	100%	90% - 110%	7900	7961	101%	90% - 110%
Pb	8010	7467	93%	90% - 110%	2580	2570	100%	90% - 110%	12200	11665	96%	90% - 110%	8010	7568	94%	90% - 110%
Zn	23800	21940	92%	90% - 110%	2200	2160	98%	90% - 110%	9310	8885	95%	90% - 110%	23800	22050	93%	90% - 110%
	CRM #5 (ref.CDN-ME-1303)				CRM #6 (ref.CDN-ME-1304)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Ag	152	157	103%	90% - 110%	34.0	33.9	100%	90% - 110%								
Cu	3440	3532	103%	90% - 110%	2680	2649	99%	90% - 110%								
Pb	12200	12096	99%	90% - 110%	2580	2448	95%	90% - 110%								
Zn	9310	9304	100%	90% - 110%	2200	2184	99%	90% - 110%								

### (202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

	CRM #1 (ref.1P5K)				CRM #2 (REF.WW07)				CRM #3 (REF.GS45)				CRM #4 (REF.WW07)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	1.44	1.56	108%	90% - 110%	6.56	6.17	94%	90% - 110%	2.89	3.15	108%	90% - 110%	6.56	6.44	98%	90% - 110%
	CRM #5															
Parameter	Expect	Actual	Recovery	Limits												
Au-Grav	5.86	5.8	98%	95% - 105%												



## Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 17B291494

PROJECT:

ATTENTION TO: Wayne Reid, Andrew Tims

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12020		ICP/OES
Al	MIN-200-12020		ICP/OES
As	MIN-200-12020		ICP/OES
B	MIN-200-12020		ICP/OES
Ba	MIN-200-12020		ICP/OES
Be	MIN-200-12020		ICP/OES
Bi	MIN-200-12020		ICP/OES
Ca	MIN-200-12020		ICP/OES
Cd	MIN-200-12020		ICP/OES
Ce	MIN-200-12020		ICP/OES
Co	MIN-200-12020		ICP/OES
Cr	MIN-200-12020		ICP/OES
Cu	MIN-200-12020		ICP/OES
Fe	MIN-200-12020		ICP/OES
Ga	MIN-200-12020		ICP/OES
Hg	MIN-200-12020		ICP/OES
In	MIN-200-12020		ICP/OES
K	MIN-200-12020		ICP/OES
La	MIN-200-12020		ICP/OES
Li	MIN-200-12020		ICP/OES
Mg	MIN-200-12020		ICP/OES
Mn	MIN-200-12020		ICP/OES
Mo	MIN-200-12020		ICP/OES
Na	MIN-200-12020		ICP/OES
Ni	MIN-200-12020		ICP/OES
P	MIN-200-12020		ICP/OES
Pb	MIN-200-12020		ICP/OES
Rb	MIN-200-12020		ICP/OES
S	MIN-200-12020		ICP/OES
Sb	MIN-200-12020		ICP/OES
Sc	MIN-200-12020		ICP/OES
Se	MIN-200-12020		ICP/OES
Sn	MIN-200-12020		ICP/OES
Sr	MIN-200-12020		ICP/OES
Ta	MIN-200-12020		ICP/OES
Te	MIN-200-12020		ICP/OES
Th	MIN-200-12020		ICP/OES
Ti	MIN-200-12020		ICP/OES
Tl	MIN-200-12020		ICP/OES
U	MIN-200-12020		ICP/OES
V	MIN-200-12020		ICP/OES
W	MIN-200-12020		ICP/OES
Y	MIN-200-12020		ICP/OES
Zn	MIN-200-12020		ICP/OES
Zr	MIN-200-12020		ICP/OES
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES
Au-Grav	MIN-200-12006		GRAVIMETRIC



CLIENT NAME: MISC AGAT CLIENT ON, ON

ATTENTION TO: Wayne Reid

PROJECT: GTA Resources

AGAT WORK ORDER: 17B293454

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Feb 01, 2018

PAGES (INCLUDING COVER): 17

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

\*NOTES

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



## Certificate of Analysis

AGAT WORK ORDER: 17B293454

PROJECT: GTA Resources

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
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 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

### (200-) Sample Login Weight

DATE SAMPLED: Dec 08, 2017

DATE RECEIVED: Dec 06, 2017

DATE REPORTED: Feb 01, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E5570402 (8965689)		3.46
E5570403 (8965690)		2.00
E5570404 (8965691)		2.14
E5570405 (8965692)		1.64
E5570406 (8965693)		1.86
E5570407 (8965694)		0.01
E5570408 (8965695)		2.92
E5570409 (8965696)		2.56
E5570410 (8965697)		2.00
E5570411 (8965698)		1.90
E5570412 (8965699)		1.66
E5570413 (8965700)		2.24
E5570414 (8965701)		0.92
E5570415 (8965702)		2.16
E5570416 (8965703)		2.54
E5570417 (8965704)		2.46
E5570418 (8965705)		1.30
E5570419 (8965706)		2.04
E5570420 (8965707)		0.96
E5570421 (8965708)		0.92
E5570422 (8965709)		3.10
E5570423 (8965710)		2.46
E5570424 (8965711)		2.74
E5570425 (8965712)		2.90
E5570426 (8965713)		2.06
E5570427 (8965714)		0.01
E5570428 (8965715)		1.82
E5570429 (8965716)		2.04
E5570430 (8965717)		1.82
E5570431 (8965718)		3.12
E5570432 (8965719)		2.40

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B293454

PROJECT: GTA Resources

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

### (200-) Sample Login Weight

DATE SAMPLED: Dec 08, 2017

DATE RECEIVED: Dec 06, 2017

DATE REPORTED: Feb 01, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E5570433 (8965720)		2.66
E5570434 (8965721)		0.88
E5570435 (8965722)		2.50
E5570436 (8965723)		1.92
E5570437 (8965724)		1.86
E5570438 (8965725)		1.82
E5570439 (8965726)		1.80
E5570440 (8965727)		0.94
E5570441 (8965728)		0.92
E5570442 (8965729)		2.48
E5570443 (8965730)		1.94
E5570444 (8965731)		2.06
E5570445 (8965732)		2.34
E5570446 (8965733)		1.88
E5570447 (8965734)		0.01
E5570448 (8965735)		1.94
E5570449 (8965736)		2.54
E5570450 (8965737)		2.72
E5570451 (8965738)		2.22
E5570452 (8965739)		2.70
E5570453 (8965740)		3.04
E5570454 (8965741)		0.88
E5570455 (8965742)		2.72
E5570456 (8965743)		2.84
E5570457 (8965744)		2.74
E5570458 (8965745)		3.02
E5570459 (8965746)		1.80
E5570460 (8965747)		0.86
E5570461 (8965748)		0.86
E5570462 (8965749)		2.18
E5570463 (8965750)		2.30

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## Certificate of Analysis

AGAT WORK ORDER: 17B293454

PROJECT: GTA Resources

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

### (200-) Sample Login Weight

DATE SAMPLED: Dec 08, 2017      DATE RECEIVED: Dec 06, 2017      DATE REPORTED: Feb 01, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E5570464 (8965751)		2.40
E5570465 (8965752)		2.56
E5570466 (8965753)		2.46
E5570467 (8965754)		0.01
E5570468 (8965755)		2.34
E5570469 (8965756)		2.50
E5570470 (8965757)		2.32
E5570471 (8965758)		1.96
E5570472 (8965759)		2.46
E5570473 (8965760)		2.64
E5570474 (8965761)		0.94
E5570475 (8965762)		2.40
E5570476 (8965763)		2.22
E5570477 (8965764)		2.38
E5570478 (8965765)		2.56
E5570479 (8965766)		1.10
E5570480 (8965767)		1.04
E5570481 (8965768)		2.28
E5570482 (8965769)		2.24
E5570483 (8965770)		2.38
E5570484 (8965771)		2.34
E5570485 (8965772)		2.22
E5570486 (8965773)		0.50
E5570487 (8965774)		0.5
E5570488 (8965775)		2.36
E5570489 (8965776)		1.80
E5570490 (8965777)		1.08
E5570491 (8965778)		2.18
E5570492 (8965779)		2.52
E5570493 (8965780)		0.90
E5570494 (8965781)		2.38

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B293454

PROJECT: GTA Resources

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

### (200-) Sample Login Weight

DATE SAMPLED: Dec 08, 2017	DATE RECEIVED: Dec 06, 2017	DATE REPORTED: Feb 01, 2018	SAMPLE TYPE: Drill Core
----------------------------	-----------------------------	-----------------------------	-------------------------

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E5570495 (8965782)		1.84
E5570496 (8965783)		2.48
E5570497 (8965784)		2.52
E5570498 (8965785)		2.12
E5570499 (8965786)		2.12
E5570500 (8965787)		0.50
E5570501 (8965788)		1.18
E5570502 (8965789)		1.30
E5570503 (8965790)		1.38
E5570504 (8965791)		3.46

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B293454

PROJECT: GTA Resources

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

### (201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 08, 2017	DATE RECEIVED: Dec 06, 2017					DATE REPORTED: Feb 01, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	
RDL:	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	
E5570433 (8965720)	1.5	1.97	<1	<5	13	<0.5	<1	1.30	<0.5	16	40.2	8.7	148	7.39	
E5570434 (8965721)	2.0	0.05	29	<5	12	<0.5	<1	>25	<0.5	<1	0.7	6.1	2.8	0.18	
E5570435 (8965722)	1.7	2.45	<1	<5	35	0.8	<1	2.98	<0.5	19	23.4	5.3	180	7.37	
E5570436 (8965723)	6.4	2.88	<1	<5	60	0.9	<1	1.83	<0.5	21	40.2	10.1	304	8.33	
E5570437 (8965724)	5.7	2.53	<1	<5	35	1.2	<1	2.97	<0.5	24	35.0	12.2	274	7.85	
E5570438 (8965725)	7.4	2.10	<1	<5	27	1.1	<1	1.84	<0.5	20	29.2	14.4	234	8.90	
E5570439 (8965726)	8.9	1.63	<1	<5	20	0.8	<1	2.83	<0.5	16	30.7	18.1	53.2	7.28	
E5570440 (8965727)	3.4	2.33	<1	<5	77	0.7	<1	3.24	<0.5	21	30.3	14.8	110	8.90	
E5570441 (8965728)	3.4	2.23	<1	<5	78	0.7	<1	3.36	<0.5	21	31.7	12.9	131	8.88	
E5570442 (8965729)	1.7	2.53	<1	<5	46	0.7	<1	2.17	<0.5	21	39.1	9.2	151	9.19	
E5570443 (8965730)	0.3	1.11	<1	<5	12	<0.5	<1	0.70	<0.5	9	6.6	21.4	31.2	1.70	
E5570444 (8965731)	0.6	1.17	<1	<5	13	<0.5	<1	0.74	<0.5	9	8.8	21.9	58.0	1.83	
E5570445 (8965732)	1.5	1.77	<1	<5	17	<0.5	<1	1.56	<0.5	25	38.4	13.0	210	8.01	
E5570446 (8965733)	3.2	2.57	<1	<5	26	0.7	13	1.38	<0.5	25	41.4	11.2	419	9.75	
E5570447 (8965734)	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	
E5570448 (8965735)	1.4	2.31	<1	<5	40	0.6	<1	1.81	<0.5	30	31.1	8.2	138	7.91	

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AGAT WORK ORDER: 17B293454

PROJECT: GTA Resources

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

### (201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 08, 2017

DATE RECEIVED: Dec 06, 2017

DATE REPORTED: Feb 01, 2018

SAMPLE TYPE: Drill Core

Analyte:	Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb
Unit:	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10
E5570433 (8965720)	14	<1	<1	0.26	6	12	1.28	564	<0.5	0.08	25.3	1410	<0.5	15
E5570434 (8965721)	10	<1	<1	<0.01	2	<1	1.45	160	<0.5	<0.01	7.0	110	6.9	<10
E5570435 (8965722)	20	<1	<1	0.64	7	21	1.83	725	2.3	0.05	19.8	1610	<0.5	28
E5570436 (8965723)	26	<1	<1	1.44	8	33	2.67	776	0.6	0.05	29.0	1410	<0.5	74
E5570437 (8965724)	26	<1	<1	1.38	9	24	1.98	789	2.0	0.05	31.2	1320	<0.5	85
E5570438 (8965725)	16	<1	<1	1.08	8	21	1.45	548	1.6	0.04	39.1	1190	<0.5	70
E5570439 (8965726)	18	<1	<1	0.78	6	22	1.52	687	1.7	0.07	42.0	1040	<0.5	41
E5570440 (8965727)	21	<1	<1	1.52	9	21	1.99	1190	0.8	0.09	38.4	1250	<0.5	82
E5570441 (8965728)	22	<1	<1	1.42	9	19	1.87	1220	1.1	0.09	36.8	1250	<0.5	75
E5570442 (8965729)	23	<1	<1	1.04	8	19	1.77	879	<0.5	0.09	33.8	1280	<0.5	56
E5570443 (8965730)	8	<1	<1	0.40	4	11	0.56	215	<0.5	0.10	30.6	321	<0.5	22
E5570444 (8965731)	9	<1	<1	0.41	4	12	0.57	213	<0.5	0.09	30.1	312	<0.5	25
E5570445 (8965732)	13	<1	<1	0.39	10	13	1.18	467	<0.5	0.15	37.9	1150	<0.5	23
E5570446 (8965733)	16	<1	<1	0.40	9	32	1.90	541	1.1	0.13	38.4	1180	<0.5	21
E5570447 (8965734)	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
E5570448 (8965735)	20	<1	<1	0.43	11	16	1.63	631	1.0	0.20	30.2	1330	<0.5	23

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## Certificate of Analysis

AGAT WORK ORDER: 17B293454

PROJECT: GTA Resources

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

### (201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 08, 2017	DATE RECEIVED: Dec 06, 2017					DATE REPORTED: Feb 01, 2018					SAMPLE TYPE: Drill Core				
Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	0.01	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1	
E5570433 (8965720)	1.77	<1	6.8	<10	9	36.6	35	<10	<5	0.23	<5	7	93.1	<1	
E5570434 (8965721)	0.35	10	<0.5	22	<5	90.6	<10	<10	<5	<0.01	<5	<5	2.4	<1	
E5570435 (8965722)	1.81	<1	10.8	<10	14	30.8	32	<10	<5	0.36	<5	<5	106	<1	
E5570436 (8965723)	5.30	<1	21.5	<10	18	12.2	44	<10	<5	0.43	<5	9	138	<1	
E5570437 (8965724)	4.91	<1	21.2	<10	17	30.6	37	<10	<5	0.40	<5	<5	167	<1	
E5570438 (8965725)	7.46	<1	18.0	<10	14	38.0	42	<10	7	0.35	<5	6	154	<1	
E5570439 (8965726)	7.16	<1	18.0	13	12	30.5	36	<10	<5	0.31	<5	<5	123	<1	
E5570440 (8965727)	3.23	<1	18.8	<10	18	36.0	42	<10	<5	0.47	<5	12	178	<1	
E5570441 (8965728)	3.51	<1	18.0	11	18	34.8	44	<10	<5	0.46	<5	12	170	<1	
E5570442 (8965729)	2.08	<1	13.5	<10	18	33.8	49	<10	<5	0.46	<5	11	174	<1	
E5570443 (8965730)	0.29	<1	1.4	<10	<5	32.2	<10	<10	<5	0.09	<5	<5	18.3	<1	
E5570444 (8965731)	0.47	<1	1.2	<10	<5	20.6	10	<10	<5	0.09	<5	<5	18.5	<1	
E5570445 (8965732)	2.48	<1	10.2	11	11	26.8	39	<10	7	0.27	<5	6	139	<1	
E5570446 (8965733)	3.96	<1	14.3	<10	12	26.8	50	<10	<5	0.32	<5	6	147	<1	
E5570447 (8965734)	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	
E5570448 (8965735)	1.36	<1	13.4	<10	12	29.1	42	<10	<5	0.31	<5	6	159	<1	

Certified By:



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AGAT WORK ORDER: 17B293454

PROJECT: GTA Resources

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

### (201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 08, 2017

DATE RECEIVED: Dec 06, 2017

DATE REPORTED: Feb 01, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Y	Zn	Zr
	Unit:	ppm	ppm	ppm
	RDL:	1	0.5	5
E5570433 (8965720)		14	39.4	<5
E5570434 (8965721)		3	<0.5	<5
E5570435 (8965722)		19	73.7	<5
E5570436 (8965723)		20	153	<5
E5570437 (8965724)		22	80.0	6
E5570438 (8965725)		21	46.8	6
E5570439 (8965726)		17	26.8	7
E5570440 (8965727)		22	75.2	<5
E5570441 (8965728)		22	77.4	<5
E5570442 (8965729)		20	93.5	<5
E5570443 (8965730)		3	21.4	10
E5570444 (8965731)		3	13.6	10
E5570445 (8965732)		18	80.1	<5
E5570446 (8965733)		23	219	8
E5570447 (8965734)		NSS	NSS	NSS
E5570448 (8965735)		25	111	<5

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B293454

PROJECT: GTA Resources

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Dec 08, 2017      DATE RECEIVED: Dec 06, 2017      DATE REPORTED: Feb 01, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Au Unit: ppm RDL: 0.001
E5570402 (8965689)	0.038
E5570403 (8965690)	0.025
E5570404 (8965691)	0.026
E5570405 (8965692)	0.007
E5570406 (8965693)	0.018
E5570407 (8965694)	3.62
E5570408 (8965695)	0.039
E5570409 (8965696)	0.041
E5570410 (8965697)	0.029
E5570411 (8965698)	0.004
E5570412 (8965699)	0.020
E5570413 (8965700)	0.009
E5570414 (8965701)	0.001
E5570415 (8965702)	0.001
E5570416 (8965703)	0.031
E5570417 (8965704)	0.148
E5570418 (8965705)	0.094
E5570419 (8965706)	0.548
E5570420 (8965707)	0.077
E5570421 (8965708)	0.090
E5570422 (8965709)	0.432
E5570423 (8965710)	0.877
E5570424 (8965711)	0.246
E5570425 (8965712)	0.415
E5570426 (8965713)	1.38
E5570427 (8965714)	3.88
E5570428 (8965715)	0.291
E5570429 (8965716)	3.09
E5570430 (8965717)	0.687
E5570431 (8965718)	0.766
E5570432 (8965719)	0.076
E5570433 (8965720)	0.207

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B293454

PROJECT: GTA Resources

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Dec 08, 2017      DATE RECEIVED: Dec 06, 2017      DATE REPORTED: Feb 01, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Unit:	RDL:
	Au	ppm	0.001
E5570434 (8965721)			0.002
E5570435 (8965722)			0.594
E5570436 (8965723)			6.32
E5570437 (8965724)			2.93
E5570438 (8965725)			8.24
E5570439 (8965726)			8.80
E5570440 (8965727)			3.27
E5570441 (8965728)			3.06
E5570442 (8965729)			0.848
E5570443 (8965730)			0.081
E5570444 (8965731)			0.260
E5570445 (8965732)			1.03
E5570446 (8965733)			0.842
E5570447 (8965734)			4.02
E5570448 (8965735)			1.08
E5570449 (8965736)			0.278
E5570450 (8965737)			1.76
E5570451 (8965738)			1.53
E5570452 (8965739)			2.23
E5570453 (8965740)			0.375
E5570454 (8965741)			0.005
E5570455 (8965742)			0.103
E5570456 (8965743)			0.232
E5570457 (8965744)			0.067
E5570458 (8965745)			0.126
E5570459 (8965746)			0.191
E5570460 (8965747)			0.272
E5570461 (8965748)			0.069
E5570462 (8965749)			0.240
E5570463 (8965750)			0.170
E5570464 (8965751)			0.197
E5570465 (8965752)			0.026

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## Certificate of Analysis

AGAT WORK ORDER: 17B293454

PROJECT: GTA Resources

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Dec 08, 2017      DATE RECEIVED: Dec 06, 2017      DATE REPORTED: Feb 01, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Unit:	RDL:
	Au	ppm	0.001
E5570466 (8965753)			0.010
E5570467 (8965754)			3.87
E5570468 (8965755)			0.006
E5570469 (8965756)			0.008
E5570470 (8965757)			0.015
E5570471 (8965758)			0.023
E5570472 (8965759)			0.045
E5570473 (8965760)			0.015
E5570474 (8965761)			<0.001
E5570475 (8965762)			0.008
E5570476 (8965763)			0.016
E5570477 (8965764)			0.025
E5570478 (8965765)			0.019
E5570479 (8965766)			0.008
E5570480 (8965767)			0.008
E5570481 (8965768)			0.008
E5570482 (8965769)			0.018
E5570483 (8965770)			0.048
E5570484 (8965771)			0.022
E5570485 (8965772)			0.023
E5570486 (8965773)			0.028
E5570487 (8965774)			3.96
E5570488 (8965775)			0.014
E5570489 (8965776)			0.012
E5570490 (8965777)			0.009
E5570491 (8965778)			0.013
E5570492 (8965779)			0.040
E5570493 (8965780)			0.055
E5570494 (8965781)			0.002
E5570495 (8965782)			0.045
E5570496 (8965783)			0.020
E5570497 (8965784)			0.027

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B293454

PROJECT: GTA Resources

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

### (202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Dec 08, 2017	DATE RECEIVED: Dec 06, 2017	DATE REPORTED: Feb 01, 2018	SAMPLE TYPE: Drill Core
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Sample ID (AGAT ID)	Analyte:	Unit:	RDL:	Value
	Au	ppm	0.001	
E5570498 (8965785)				0.039
E5570499 (8965786)				0.010
E5570500 (8965787)				0.054
E5570501 (8965788)				0.070
E5570502 (8965789)				0.171
E5570503 (8965790)				0.509
E5570504 (8965791)				0.963

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

Parameter	REPLICATE #1				REPLICATE #2											
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	8965723	6.39	6.03	5.8%	8965724	5.7	5.5	3.6%								
Al	8965723	2.88	2.79	3.2%	8965724	2.53	2.49	1.6%								
As	8965723	< 1	< 1	0.0%	8965724	< 1	< 1	0.0%								
B	8965723	< 5	< 5	0.0%	8965724	< 5	< 5	0.0%								
Ba	8965723	60	57	5.1%	8965724	35	31	12.1%								
Be	8965723	0.9	0.9	0.0%	8965724	1.22	1.26	3.2%								
Bi	8965723	< 1	< 1	0.0%	8965724	< 1	< 1	0.0%								
Ca	8965723	1.83	1.79	2.2%	8965724	2.97	2.94	1.0%								
Cd	8965723	< 0.5	< 0.5	0.0%	8965724	< 0.5	< 0.5	0.0%								
Ce	8965723	21	21	0.0%	8965724	24	23	4.3%								
Co	8965723	40.2	39.3	2.3%	8965724	35.0	33.8	3.5%								
Cr	8965723	10.1	10.6	4.8%	8965724	12.2	11.3	7.7%								
Cu	8965723	304	292	4.0%	8965724	274	256	6.8%								
Fe	8965723	8.33	8.12	2.6%	8965724	7.85	7.57	3.6%								
Ga	8965723	26	22	16.7%	8965724	26	23	12.2%								
Hg	8965723	< 1	< 1	0.0%	8965724	< 1	< 1	0.0%								
In	8965723	< 1	< 1	0.0%	8965724	< 1	< 1	0.0%								
K	8965723	1.44	1.39	3.5%	8965724	1.38	1.35	2.2%								
La	8965723	8	8	0.0%	8965724	9	9	0.0%								
Li	8965723	33	32	3.1%	8965724	24	23	4.3%								
Mg	8965723	2.67	2.59	3.0%	8965724	1.98	1.92	3.1%								
Mn	8965723	776	731	6.0%	8965724	789	770	2.4%								
Mo	8965723	0.6	1.0		8965724	2.0	< 0.5									
Na	8965723	0.05	0.05	0.0%	8965724	0.05	0.05	0.0%								
Ni	8965723	29.0	27.7	4.6%	8965724	31.2	30.0	3.9%								
P	8965723	1410	1360	3.6%	8965724	1320	1270	3.9%								
Pb	8965723	< 0.5	< 0.5	0.0%	8965724	< 0.5	< 0.5	0.0%								
Rb	8965723	74	73	1.4%	8965724	85	83	2.4%								
S	8965723	5.30	5.19	2.1%	8965724	4.91	4.74	3.5%								
Sb	8965723	< 1	< 1	0.0%	8965724	< 1	< 1	0.0%								
Sc	8965723	21.5	21.4	0.5%	8965724	21.2	20.8	1.9%								





CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

Se	8965723	< 10	< 10	0.0%	8965724	< 10	< 10	0.0%								
Sn	8965723	18	18	0.0%	8965724	17	16	6.1%								
Sr	8965723	12.2	10.6	14.0%	8965724	30.6	31.9	4.2%								
Ta	8965723	44	46	4.4%	8965724	37	34	8.5%								
Te	8965723	< 10	< 10	0.0%	8965724	< 10	< 10	0.0%								
Th	8965723	< 5	< 5	0.0%	8965724	< 5	< 5	0.0%								
Ti	8965723	0.429	0.422	1.6%	8965724	0.40	0.41	2.5%								
Tl	8965723	< 5	< 5	0.0%	8965724	< 5	< 5	0.0%								
U	8965723	9	< 5		8965724	< 5	< 5	0.0%								
V	8965723	138	137	0.7%	8965724	167	161	3.7%								
W	8965723	< 1	< 1	0.0%	8965724	< 1	< 1	0.0%								
Y	8965723	20	20	0.0%	8965724	22	23	4.4%								
Zn	8965723	153	149	2.6%	8965724	80.0	68.1	16.1%								
Zr	8965723	< 5	8		8965724	6	5	18.2%								

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	8965689	0.0377	0.0395	4.7%	8965700	0.0095	0.0096	1.0%	8965712	0.415	0.216		8965713	1.38	1.35	2.2%
	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	8965724	2.93	3.08	5.0%	8965736	0.278	0.320	14.0%	8965738	1.53	1.62	5.7%	8965748	0.0692	0.0831	18.3%
	REPLICATE #9				REPLICATE #10				REPLICATE #11				REPLICATE #12			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	8965760	0.015	0.012	22.2%	8965763	0.016	0.018	11.8%	8965772	0.023	0.019	19.0%	8965784	0.027	0.029	7.1%
	REPLICATE #13															
Parameter	Sample ID	Original	Replicate	RPD												
Au	8965789	0.171	0.152	11.8%												



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

**(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish**

Parameter	CRM #1 (ref.CDN-ME-1304)				CRM #2 (ref.CDN-ME-1206)				CRM #3 (ref.GS45)				CRM #4 (ref.GS45)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag	34.0	32.8	96%	90% - 110%	274	266	97%	90% - 110%								
Cu	2680	2688	100%	90% - 110%	7900	7967	101%	90% - 110%								
Pb	2580	2590	100%	90% - 110%	8010	7993	100%	90% - 110%								
Zn	2200	2308	105%	90% - 110%	23800	23814	100%	90% - 110%								

**(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)**

Parameter	CRM #1 (ref.WW07)				CRM #2 (ref.GS45)				CRM #3 (ref.GS45)				CRM #4 (ref.GS45)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	6.56	6.63	101%	90% - 110%	2.89	3.17	110%	90% - 110%	2.89	2.6	90%	90% - 110%	2.89	2.75	95%	90% - 110%
Parameter	CRM #5 (ref.WW07)				CRM #6 (ref.GS6D)											
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Au	6.56	6.81	104%	90% - 110%	6.09	5.93	97%	90% - 110%								



## Method Summary

CLIENT NAME: MISC AGAT CLIENT ON  
 PROJECT: GTA Resources  
 SAMPLING SITE:

AGAT WORK ORDER: 17B293454  
 ATTENTION TO: Wayne Reid  
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12020		ICP/OES
Al	MIN-200-12020		ICP/OES
As	MIN-200-12020		ICP/OES
B	MIN-200-12020		ICP/OES
Ba	MIN-200-12020		ICP/OES
Be	MIN-200-12020		ICP/OES
Bi	MIN-200-12020		ICP/OES
Ca	MIN-200-12020		ICP/OES
Cd	MIN-200-12020		ICP/OES
Ce	MIN-200-12020		ICP/OES
Co	MIN-200-12020		ICP/OES
Cr	MIN-200-12020		ICP/OES
Cu	MIN-200-12020		ICP/OES
Fe	MIN-200-12020		ICP/OES
Ga	MIN-200-12020		ICP/OES
Hg	MIN-200-12020		ICP/OES
In	MIN-200-12020		ICP/OES
K	MIN-200-12020		ICP/OES
La	MIN-200-12020		ICP/OES
Li	MIN-200-12020		ICP/OES
Mg	MIN-200-12020		ICP/OES
Mn	MIN-200-12020		ICP/OES
Mo	MIN-200-12020		ICP/OES
Na	MIN-200-12020		ICP/OES
Ni	MIN-200-12020		ICP/OES
P	MIN-200-12020		ICP/OES
Pb	MIN-200-12020		ICP/OES
Rb	MIN-200-12020		ICP/OES
S	MIN-200-12020		ICP/OES
Sb	MIN-200-12020		ICP/OES
Sc	MIN-200-12020		ICP/OES
Se	MIN-200-12020		ICP/OES
Sn	MIN-200-12020		ICP/OES
Sr	MIN-200-12020		ICP/OES
Ta	MIN-200-12020		ICP/OES
Te	MIN-200-12020		ICP/OES
Th	MIN-200-12020		ICP/OES
Ti	MIN-200-12020		ICP/OES
Tl	MIN-200-12020		ICP/OES
U	MIN-200-12020		ICP/OES
V	MIN-200-12020		ICP/OES
W	MIN-200-12020		ICP/OES
Y	MIN-200-12020		ICP/OES
Zn	MIN-200-12020		ICP/OES
Zr	MIN-200-12020		ICP/OES
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES



CLIENT NAME: MISC AGAT CLIENT ON, ON

ATTENTION TO: Wayne Reid

PROJECT: Big Duck

AGAT WORK ORDER: 17B293455

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Jan 05, 2018

PAGES (INCLUDING COVER): 15

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

\*NOTES

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



## Certificate of Analysis

AGAT WORK ORDER: 17B293455

PROJECT: Big Duck

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

### (200-) Sample Login Weight

DATE SAMPLED: Dec 08, 2017

DATE RECEIVED: Dec 08, 2017

DATE REPORTED: Jan 05, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E5570505 (8965804)		2.48
E5570506 (8965805)		2.22
E5570507 (8965806)		0.01
E5570508 (8965807)		1.86
E5570509 (8965808)		1.86
E5570510 (8965809)		1.78
E5570511 (8965810)		1.30
E5570512 (8965811)		2.12
E5570513 (8965812)		2.00
E5570514 (8965813)		0.50
E5570515 (8965814)		2.20
E5570516 (8965815)		2.72
E5570517 (8965816)		1.92
E5570518 (8965817)		2.30
E5570519 (8965818)		2.48
E5570520 (8965819)		1.06
E5570521 (8965820)		1.20
E5570522 (8965821)		2.46
E5570523 (8965822)		1.94
E5570524 (8965823)		1.76
E5570525 (8965824)		2.00
E5570526 (8965825)		1.32
E5570527 (8965826)		0.01
E5570528 (8965827)		1.18
E5570529 (8965828)		1.34
E5570530 (8965829)		1.30
E5570531 (8965830)		1.32
E5570532 (8965831)		1.36
E5570533 (8965832)		2.10
E5570534 (8965833)		0.94
E5570535 (8965834)		1.26

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B293455

PROJECT: Big Duck

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 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

### (200-) Sample Login Weight

DATE SAMPLED: Dec 08, 2017

DATE RECEIVED: Dec 08, 2017

DATE REPORTED: Jan 05, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E5570536 (8965835)		1.90
E5570537 (8965836)		2.44
E5570538 (8965837)		1.88
E5570539 (8965838)		2.26
E5570540 (8965839)		1.14
E5570541 (8965840)		1.14
E5570542 (8965841)		1.66
E5570543 (8965842)		1.90
E5570544 (8965843)		1.62
E5570545 (8965844)		1.66
E5570546 (8965845)		1.68
E5570547 (8965846)		0.01
E5570548 (8965847)		1.66
E5570549 (8965848)		1.76
E5570550 (8965849)		1.70
E5570551 (8965850)		1.50
E5570552 (8965851)		1.68
E5570553 (8965852)		1.14
E5570554 (8965853)		0.50
E5570555 (8965854)		1.54
E5570556 (8965855)		1.64
E5570557 (8965856)		1.16
E5570558 (8965857)		1.68
E5570559 (8965858)		1.60
E5570260 (8965859)		0.70
E5570261 (8965860)		0.50
E5570262 (8965861)		1.54
E5570263 (8965862)		1.66
E5570264 (8965863)		1.76
E5570265 (8965864)		1.54
E5570266 (8965865)		2.50

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B293455

PROJECT: Big Duck

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<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

### (200-) Sample Login Weight

DATE SAMPLED: Dec 08, 2017      DATE RECEIVED: Dec 08, 2017      DATE REPORTED: Jan 05, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E5570267 (8965866)		0.01
E5570268 (8965867)		2.30
E5570269 (8965868)		2.62
E5570270 (8965869)		1.00
E5570271 (8965870)		2.04
E5570272 (8965871)		1.58
E5570273 (8965872)		2.98
E5570274 (8965873)		0.84
E5570275 (8965874)		2.82
E5570276 (8965875)		1.86
E5570277 (8965876)		2.02
E5570278 (8965877)		1.40
E5570279 (8965878)		2.22
E5570280 (8965879)		1.46
E5570281 (8965880)		1.06
E5570282 (8965881)		2.86
E5570283 (8965882)		1.84
E5570284 (8965883)		1.74
E5570285 (8965884)		1.88
E5570286 (8965885)		1.84
E5570287 (8965886)		0.01

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B293455

PROJECT: Big Duck

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

### (201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 08, 2017	DATE RECEIVED: Dec 08, 2017					DATE REPORTED: Jan 05, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	
RDL:	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	
E5570505 (8965804)	2.1	2.59	<1	<5	79	0.5	2	1.19	<0.5	11	31.8	18.2	437	7.32	
E5570506 (8965805)	3.4	0.84	<1	<5	12	<0.5	6	3.66	101	7	24.9	11.8	716	5.86	
E5570507 (8965806)	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	
E5570508 (8965807)	5.8	1.21	<1	<5	6	1.0	12	1.85	<0.5	5	237	10.3	768	10.2	
E5570509 (8965808)	3.1	2.33	<1	<5	39	0.9	6	1.55	<0.5	8	46.8	18.5	712	7.95	
E5570510 (8965809)	6.1	1.36	<1	<5	6	0.6	16	1.88	<0.5	4	138	10.5	1280	10.7	
E5570511 (8965810)	1.4	1.61	<1	<5	9	<0.5	<1	1.95	<0.5	13	28.8	13.8	298	3.95	
E5570539 (8965838)	1.6	1.60	<1	<5	9	<0.5	<1	1.16	<0.5	14	19.4	13.3	721	4.74	
E5570540 (8965839)	2.6	1.23	<1	<5	24	<0.5	5	0.69	<0.5	12	19.6	14.0	639	3.59	
E5570541 (8965840)	2.8	1.22	<1	<5	23	<0.5	6	0.79	<0.5	12	14.9	13.5	628	3.46	
E5570542 (8965841)	2.4	1.61	<1	<5	10	<0.5	2	1.15	<0.5	14	36.3	12.5	700	4.95	
E5570543 (8965842)	2.8	1.60	<1	<5	9	<0.5	6	1.34	<0.5	9	39.8	9.7	567	5.03	
E5570544 (8965843)	1.4	3.62	<1	<5	2	1.1	<1	0.55	<0.5	10	41.1	14.4	321	7.69	
E5570545 (8965844)	0.8	2.69	<1	<5	2	0.9	<1	1.26	<0.5	12	28.8	12.9	419	5.54	
E5570546 (8965845)	3.7	2.85	<1	<5	3	0.7	1	1.96	<0.5	7	32.9	14.4	622	6.66	
E5570547 (8965846)	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	
E5570548 (8965847)	6.5	1.54	<1	<5	9	0.6	2	2.30	<0.5	7	35.9	13.2	712	6.17	
E5570549 (8965848)	7.1	2.02	<1	<5	7	0.5	5	1.94	<0.5	9	46.5	10.8	794	7.51	
E5570550 (8965849)	3.6	3.07	<1	<5	2	0.9	6	1.42	<0.5	9	33.0	14.7	355	8.10	
E5570551 (8965850)	6.4	1.46	<1	<5	4	<0.5	4	2.79	<0.5	10	23.7	17.3	498	4.26	
E5570552 (8965851)	2.9	3.35	<1	<5	5	0.9	<1	1.62	<0.5	8	25.0	13.3	237	7.64	
E5570553 (8965852)	3.2	3.02	<1	<5	3	0.8	4	1.06	<0.5	9	38.3	13.7	351	8.34	
E5570554 (8965853)	1.1	0.05	29	<5	14	<0.5	<1	>25	<0.5	<1	0.8	4.3	1.4	0.14	
E5570555 (8965854)	11.7	2.52	<1	<5	3	0.9	3	1.72	<0.5	8	39.9	12.1	680	6.94	
E5570556 (8965855)	0.7	2.27	<1	<5	8	0.7	<1	1.00	<0.5	14	25.6	11.1	328	5.37	
E5570557 (8965856)	0.7	1.25	<1	<5	8	<0.5	<1	1.13	<0.5	9	12.6	25.2	254	3.24	

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 17B293455

PROJECT: Big Duck

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

### (201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 08, 2017

DATE RECEIVED: Dec 08, 2017

DATE REPORTED: Jan 05, 2018

SAMPLE TYPE: Drill Core

Analyte:	Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb
Unit:	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10
Sample ID (AGAT ID)														
E5570505 (8965804)	21	<1	<1	1.06	5	21	2.53	929	5.5	0.08	51.2	599	<0.5	54
E5570506 (8965805)	9	<1	<1	0.11	3	6	0.99	679	11.1	0.03	36.3	314	9.8	<10
E5570507 (8965806)	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
E5570508 (8965807)	6	<1	<1	0.32	3	13	0.75	494	5.6	0.02	55.3	436	13.5	36
E5570509 (8965808)	15	<1	<1	0.50	4	21	1.77	784	4.2	0.08	63.2	554	<0.5	34
E5570510 (8965809)	8	<1	<1	0.12	3	9	1.09	621	5.0	0.04	70.5	372	5.1	<10
E5570511 (8965810)	14	<1	<1	0.12	4	16	1.52	609	6.3	0.11	43.9	554	<0.5	<10
E5570539 (8965838)	13	<1	<1	0.13	6	20	1.86	265	27.6	0.08	23.3	401	<0.5	<10
E5570540 (8965839)	11	<1	<1	0.18	5	13	1.09	208	55.4	0.11	18.1	367	<0.5	<10
E5570541 (8965840)	12	<1	<1	0.17	5	12	1.09	214	44.0	0.10	17.2	368	<0.5	<10
E5570542 (8965841)	16	<1	<1	0.17	6	11	1.56	322	54.0	0.10	27.4	494	<0.5	<10
E5570543 (8965842)	14	<1	<1	0.10	4	16	1.62	452	7.0	0.09	29.4	460	<0.5	<10
E5570544 (8965843)	31	<1	<1	0.03	5	61	4.93	720	26.8	0.05	36.9	522	<0.5	<10
E5570545 (8965844)	26	<1	<1	0.03	5	32	3.62	537	3.8	0.07	26.3	485	<0.5	<10
E5570546 (8965845)	22	<1	<1	0.05	4	34	3.62	687	11.7	0.04	29.1	369	<0.5	<10
E5570547 (8965846)	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
E5570548 (8965847)	15	<1	<1	0.11	4	20	1.71	432	19.8	0.05	32.4	373	<0.5	<10
E5570549 (8965848)	16	<1	<1	0.09	4	22	2.28	460	24.9	0.06	38.0	463	<0.5	<10
E5570550 (8965849)	24	<1	<1	0.03	4	36	3.94	594	50.8	0.04	33.8	456	<0.5	<10
E5570551 (8965850)	18	<1	<1	0.04	5	19	1.86	292	45.4	0.08	17.7	272	15.9	<10
E5570552 (8965851)	23	<1	<1	0.08	5	56	4.25	728	17.5	0.04	30.6	420	<0.5	<10
E5570553 (8965852)	27	<1	<1	0.03	4	37	3.89	565	18.0	0.07	33.5	445	<0.5	<10
E5570554 (8965853)	9	<1	<1	<0.01	2	1	0.97	120	0.8	<0.01	1.1	104	4.9	<10
E5570555 (8965854)	21	<1	<1	0.03	4	43	3.57	485	22.9	0.07	32.4	465	<0.5	<10
E5570556 (8965855)	18	<1	<1	0.09	6	38	2.80	449	29.6	0.08	26.0	476	<0.5	<10
E5570557 (8965856)	14	<1	<1	0.05	4	16	1.23	251	18.4	0.15	15.6	325	<0.5	<10

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B293455

PROJECT: Big Duck

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

### (201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 08, 2017	DATE RECEIVED: Dec 08, 2017					DATE REPORTED: Jan 05, 2018					SAMPLE TYPE: Drill Core				
Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	0.01	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1	
E5570505 (8965804)	2.71	<1	11.8	11	15	3.4	31	<10	<5	0.32	<5	11	144	<1	
E5570506 (8965805)	5.06	1	3.5	<10	5	35.6	24	<10	<5	0.10	<5	<5	42.3	<1	
E5570507 (8965806)	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	
E5570508 (8965807)	9.09	<1	4.2	16	<5	20.9	42	<10	25	0.10	<5	8	37.0	<1	
E5570509 (8965808)	3.80	<1	6.6	13	14	22.9	32	<10	<5	0.30	<5	9	110	<1	
E5570510 (8965809)	8.64	<1	3.9	15	6	14.6	43	<10	16	0.13	<5	9	47.2	<1	
E5570511 (8965810)	0.64	<1	8.3	<10	11	22.5	15	<10	<5	0.24	<5	<5	93.4	<1	
E5570539 (8965838)	1.38	<1	7.9	<10	7	18.0	18	<10	<5	0.14	<5	7	112	<1	
E5570540 (8965839)	1.38	<1	4.7	<10	7	18.1	15	<10	<5	0.13	<5	<5	64.2	<1	
E5570541 (8965840)	1.28	<1	4.6	<10	7	16.8	13	<10	<5	0.13	<5	<5	62.9	<1	
E5570542 (8965841)	1.64	<1	7.2	<10	10	24.0	20	<10	<5	0.21	<5	<5	100	<1	
E5570543 (8965842)	2.06	2	7.0	<10	9	20.7	19	<10	<5	0.19	<5	5	92.6	<1	
E5570544 (8965843)	1.23	2	21.5	<10	9	13.6	32	<10	<5	0.18	<5	12	215	<1	
E5570545 (8965844)	0.58	1	13.3	<10	9	14.6	23	<10	<5	0.18	<5	6	146	<1	
E5570546 (8965845)	1.89	1	11.5	12	8	7.7	27	<10	<5	0.16	<5	12	144	<1	
E5570547 (8965846)	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	
E5570548 (8965847)	4.37	<1	5.4	<10	8	22.5	26	<10	<5	0.17	<5	8	103	<1	
E5570549 (8965848)	4.70	<1	6.6	12	9	15.9	33	<10	<5	0.18	<5	7	108	<1	
E5570550 (8965849)	3.17	<1	15.2	12	7	10.8	33	<10	<5	0.14	<5	7	150	<1	
E5570551 (8965850)	2.60	1	6.2	<10	<5	20.7	19	<10	<5	0.07	<5	<5	64.0	17	
E5570552 (8965851)	2.35	<1	12.2	12	10	3.7	30	<10	<5	0.20	<5	12	161	2	
E5570553 (8965852)	4.09	<1	14.5	12	6	8.6	34	<10	<5	0.13	<5	9	136	<1	
E5570554 (8965853)	0.35	10	<0.5	21	<5	87.3	<10	<10	<5	<0.01	<5	<5	1.5	<1	
E5570555 (8965854)	2.91	2	13.1	<10	8	6.0	30	<10	<5	0.15	<5	7	134	<1	
E5570556 (8965855)	0.78	<1	12.1	<10	10	12.5	21	<10	<5	0.21	<5	<5	139	<1	
E5570557 (8965856)	1.66	<1	4.2	<10	<5	25.3	11	<10	<5	0.09	<5	<5	48.6	<1	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B293455

PROJECT: Big Duck

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 08, 2017      DATE RECEIVED: Dec 08, 2017      DATE REPORTED: Jan 05, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Y ppm 1	Zn ppm 0.5	Zr ppm 5
E5570505 (8965804)		10	314	<5
E5570506 (8965805)		6	8450	<5
E5570507 (8965806)		NSS	NSS	NSS
E5570508 (8965807)		6	278	<5
E5570509 (8965808)		8	326	<5
E5570510 (8965809)		7	240	<5
E5570511 (8965810)		11	137	<5
E5570539 (8965838)		9	30.5	<5
E5570540 (8965839)		6	30.9	7
E5570541 (8965840)		6	28.6	6
E5570542 (8965841)		9	34.8	<5
E5570543 (8965842)		8	31.2	<5
E5570544 (8965843)		11	59.4	<5
E5570545 (8965844)		13	47.4	6
E5570546 (8965845)		9	55.5	<5
E5570547 (8965846)		NSS	NSS	NSS
E5570548 (8965847)		8	28.7	<5
E5570549 (8965848)		8	38.4	<5
E5570550 (8965849)		10	57.1	6
E5570551 (8965850)		7	33.7	12
E5570552 (8965851)		9	65.0	7
E5570553 (8965852)		9	55.8	<5
E5570554 (8965853)		2	<0.5	<5
E5570555 (8965854)		11	43.5	<5
E5570556 (8965855)		11	35.8	6
E5570557 (8965856)		6	20.2	10

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B293455

PROJECT: Big Duck

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Dec 08, 2017      DATE RECEIVED: Dec 08, 2017      DATE REPORTED: Jan 05, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Au	Unit: ppm	RDL: 0.001
E5570505 (8965804)		0.076	
E5570506 (8965805)		0.542	
E5570507 (8965806)		0.861	
E5570508 (8965807)		0.139	
E5570509 (8965808)		0.068	
E5570510 (8965809)		0.309	
E5570511 (8965810)		0.072	
E5570512 (8965811)		0.113	
E5570513 (8965812)		0.065	
E5570514 (8965813)		0.002	
E5570515 (8965814)		0.006	
E5570516 (8965815)		0.006	
E5570517 (8965816)		0.373	
E5570518 (8965817)		0.125	
E5570519 (8965818)		0.151	
E5570520 (8965819)		0.137	
E5570521 (8965820)		0.182	
E5570522 (8965821)		0.253	
E5570523 (8965822)		0.350	
E5570524 (8965823)		0.218	
E5570525 (8965824)		0.967	
E5570526 (8965825)		0.469	
E5570527 (8965826)		0.930	
E5570528 (8965827)		0.441	
E5570529 (8965828)		4.70	
E5570530 (8965829)		0.480	
E5570531 (8965830)		0.110	
E5570532 (8965831)		0.061	
E5570533 (8965832)		0.116	
E5570534 (8965833)		0.003	
E5570535 (8965834)		0.158	
E5570536 (8965835)		0.787	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B293455

PROJECT: Big Duck

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Dec 08, 2017

DATE RECEIVED: Dec 08, 2017

DATE REPORTED: Jan 05, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Unit:	RDL:
	Au	ppm	0.001
E5570537 (8965836)			0.409
E5570538 (8965837)			0.195
E5570539 (8965838)			0.259
E5570540 (8965839)			0.242
E5570541 (8965840)			0.312
E5570542 (8965841)			0.889
E5570543 (8965842)			2.03
E5570544 (8965843)			0.878
E5570545 (8965844)			0.317
E5570546 (8965845)			3.38
E5570547 (8965846)			0.952
E5570548 (8965847)			4.58
E5570549 (8965848)			5.09
E5570550 (8965849)			1.19
E5570551 (8965850)			2.51
E5570552 (8965851)			1.03
E5570553 (8965852)			2.36
E5570554 (8965853)			0.014
E5570555 (8965854)			4.25
E5570556 (8965855)			0.281
E5570557 (8965856)			0.212
E5570558 (8965857)			0.180
E5570559 (8965858)			0.038
E5570260 (8965859)			0.115
E5570261 (8965860)			0.119
E5570262 (8965861)			0.078
E5570263 (8965862)			0.425
E5570264 (8965863)			0.286
E5570265 (8965864)			0.095
E5570266 (8965865)			0.064
E5570267 (8965866)			0.845
E5570268 (8965867)			0.111

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B293455

PROJECT: Big Duck

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Dec 08, 2017      DATE RECEIVED: Dec 08, 2017      DATE REPORTED: Jan 05, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Unit:	RDL:
	Au	ppm	0.001
E5570269 (8965868)			0.081
E5570270 (8965869)			0.058
E5570271 (8965870)			0.068
E5570272 (8965871)			0.149
E5570273 (8965872)			0.181
E5570274 (8965873)			0.003
E5570275 (8965874)			0.171
E5570276 (8965875)			0.075
E5570277 (8965876)			0.064
E5570278 (8965877)			0.018
E5570279 (8965878)			0.058
E5570280 (8965879)			0.067
E5570281 (8965880)			0.085
E5570282 (8965881)			0.037
E5570283 (8965882)			0.509
E5570284 (8965883)			2.45
E5570285 (8965884)			0.231
E5570286 (8965885)			0.082
E5570287 (8965886)			0.871

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

Parameter	REPLICATE #1				REPLICATE #2											
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	8965804	2.13	2.18	2.3%	8965852	3.17	2.70	16.0%								
Al	8965804	2.59	2.69	3.8%	8965852	3.02	2.77	8.6%								
As	8965804	< 1	< 1	0.0%	8965852	< 1	< 1	0.0%								
B	8965804	< 5	< 5	0.0%	8965852	< 5	< 5	0.0%								
Ba	8965804	79	81	2.5%	8965852	3	2									
Be	8965804	0.53	0.57	7.3%	8965852	0.77	0.68	12.4%								
Bi	8965804	2	< 1		8965852	4	5	22.2%								
Ca	8965804	1.19	1.24	4.1%	8965852	1.06	0.97	8.9%								
Cd	8965804	< 0.5	< 0.5	0.0%	8965852	< 0.5	< 0.5	0.0%								
Ce	8965804	11	12	8.7%	8965852	9	9	0.0%								
Co	8965804	31.8	32.8	3.1%	8965852	38.3	34.6	10.2%								
Cr	8965804	18.2	19.2	5.3%	8965852	13.7	18.6									
Cu	8965804	437	456	4.3%	8965852	351	344	2.0%								
Fe	8965804	7.32	7.60	3.8%	8965852	8.34	7.83	6.3%								
Ga	8965804	21	18	15.4%	8965852	27	26	3.8%								
Hg	8965804	< 1	< 1	0.0%	8965852	< 1	< 1	0.0%								
In	8965804	< 1	< 1	0.0%	8965852	< 1	< 1	0.0%								
K	8965804	1.06	1.09	2.8%	8965852	0.03	0.03	0.0%								
La	8965804	5	5	0.0%	8965852	4	5	22.2%								
Li	8965804	21	22	4.7%	8965852	37	34	8.5%								
Mg	8965804	2.53	2.62	3.5%	8965852	3.89	3.57	8.6%								
Mn	8965804	929	958	3.1%	8965852	565	511	10.0%								
Mo	8965804	5.5	4.5	20.0%	8965852	18.0	20.2	11.5%								
Na	8965804	0.08	0.08	0.0%	8965852	0.07	0.07	0.0%								
Ni	8965804	51.2	52.1	1.7%	8965852	33.5	30.3	10.0%								
P	8965804	599	611	2.0%	8965852	445	397	11.4%								
Pb	8965804	< 0.5	< 0.5	0.0%	8965852	< 0.5	< 0.5	0.0%								
Rb	8965804	54	56	3.6%	8965852	< 10	< 10	0.0%								
S	8965804	2.71	2.78	2.6%	8965852	4.09	3.91	4.5%								
Sb	8965804	< 1	< 1	0.0%	8965852	< 1	3									
Sc	8965804	11.8	12.2	3.3%	8965852	14.5	12.7	13.2%								



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

Se	8965804	11	12	8.7%	8965852	12	12	0.0%								
Sn	8965804	15	15	0.0%	8965852	6	6	0.0%								
Sr	8965804	3.4	2.8	19.4%	8965852	8.6	5.2									
Ta	8965804	31	33	6.3%	8965852	34	31	9.2%								
Te	8965804	< 10	< 10	0.0%	8965852	< 10	< 10	0.0%								
Th	8965804	< 5	< 5	0.0%	8965852	< 5	< 5	0.0%								
Ti	8965804	0.32	0.33	3.1%	8965852	0.13	0.12	8.0%								
Tl	8965804	< 5	< 5	0.0%	8965852	< 5	< 5	0.0%								
U	8965804	11	8		8965852	9	10	10.5%								
V	8965804	144	148	2.7%	8965852	136	121	11.7%								
W	8965804	< 1	< 1	0.0%	8965852	< 1	< 1	0.0%								
Y	8965804	10	10	0.0%	8965852	9	8	11.8%								
Zn	8965804	314	327	4.1%	8965852	55.8	50.7	9.6%								
Zr	8965804	< 5	< 5	0.0%	8965852	< 5	< 5	0.0%								

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au		0.0905	0.0872	3.7%	8965827	0.441	0.432	2.1%	8965838	0.259	0.270	4.2%	8965850	2.51	2.47	1.6%
Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	8965852	2.36	2.36	0.0%	8965862	0.425	0.393	7.8%	8965874	0.171	0.196	13.6%	8965877	0.0184	0.0175	5.0%





CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

**(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish**

Parameter	CRM #1 (ref.CDN-ME-1303)				CRM #2 (ref.CDN-ME-1304)				CRM #3 (ref.CDN-ME-1206)				CRM #4 (ref.CDN-ME-1304)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag	152	146	96%	90% - 110%	34.0	34.9	103%	90% - 110%	274	266	97%	90% - 110%	34.0	35.3	104%	90% - 110%
Cu	3440	3474	101%	90% - 110%	2680	2694	101%	90% - 110%	7900	7701	97%	90% - 110%	2680	2818	105%	90% - 110%
Pb	12200	11978	98%	90% - 110%	2580	2613	101%	90% - 110%	8010	7759	97%	90% - 110%	2580	2712	105%	90% - 110%
Zn	9310	9412	101%	90% - 110%	2200	2308	105%	90% - 110%	23800	22880	96%	90% - 110%	2200	2407	109%	90% - 110%

**(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)**

Parameter	CRM #1 (ref.WW07)				CRM #2 (ref.GS45)				CRM #3 (ref.GS45)				CRM #4 (ref.WW07)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	6.56	6.8	104%	90% - 110%	2.89	3.03	105%	90% - 110%	2.89	3.04	105%	90% - 110%	6.56	6.84	104%	90% - 110%
CRM #5 (ref.GS45)																
Parameter	Expect	Actual	Recovery	Limits												
Au	2.89	2.99	104%	90% - 110%												



## Method Summary

CLIENT NAME: MISC AGAT CLIENT ON  
 PROJECT: Big Duck  
 SAMPLING SITE:

AGAT WORK ORDER: 17B293455  
 ATTENTION TO: Wayne Reid  
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12020		ICP/OES
Al	MIN-200-12020		ICP/OES
As	MIN-200-12020		ICP/OES
B	MIN-200-12020		ICP/OES
Ba	MIN-200-12020		ICP/OES
Be	MIN-200-12020		ICP/OES
Bi	MIN-200-12020		ICP/OES
Ca	MIN-200-12020		ICP/OES
Cd	MIN-200-12020		ICP/OES
Ce	MIN-200-12020		ICP/OES
Co	MIN-200-12020		ICP/OES
Cr	MIN-200-12020		ICP/OES
Cu	MIN-200-12020		ICP/OES
Fe	MIN-200-12020		ICP/OES
Ga	MIN-200-12020		ICP/OES
Hg	MIN-200-12020		ICP/OES
In	MIN-200-12020		ICP/OES
K	MIN-200-12020		ICP/OES
La	MIN-200-12020		ICP/OES
Li	MIN-200-12020		ICP/OES
Mg	MIN-200-12020		ICP/OES
Mn	MIN-200-12020		ICP/OES
Mo	MIN-200-12020		ICP/OES
Na	MIN-200-12020		ICP/OES
Ni	MIN-200-12020		ICP/OES
P	MIN-200-12020		ICP/OES
Pb	MIN-200-12020		ICP/OES
Rb	MIN-200-12020		ICP/OES
S	MIN-200-12020		ICP/OES
Sb	MIN-200-12020		ICP/OES
Sc	MIN-200-12020		ICP/OES
Se	MIN-200-12020		ICP/OES
Sn	MIN-200-12020		ICP/OES
Sr	MIN-200-12020		ICP/OES
Ta	MIN-200-12020		ICP/OES
Te	MIN-200-12020		ICP/OES
Th	MIN-200-12020		ICP/OES
Ti	MIN-200-12020		ICP/OES
Tl	MIN-200-12020		ICP/OES
U	MIN-200-12020		ICP/OES
V	MIN-200-12020		ICP/OES
W	MIN-200-12020		ICP/OES
Y	MIN-200-12020		ICP/OES
Zn	MIN-200-12020		ICP/OES
Zr	MIN-200-12020		ICP/OES
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES



CLIENT NAME: MISC AGAT CLIENT ON, ON

ATTENTION TO: Wayne Reid

PROJECT: Big Duck

AGAT WORK ORDER: 17B296386

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Jan 30, 2018

PAGES (INCLUDING COVER): 13

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

\*NOTES

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



## Certificate of Analysis

AGAT WORK ORDER: 17B296386

PROJECT: Big Duck

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

### (200-) Sample Login Weight

DATE SAMPLED: Dec 18, 2017      DATE RECEIVED: Dec 15, 2017      DATE REPORTED: Jan 30, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E5570288 (8984307)		1.82
E5570289 (8984308)		1.86
E5570290 (8984309)		2.82
E5570291 (8984310)		2.92
E5570292 (8984311)		2.88
E5570293 (8984312)		2.74
E5570294 (8984313)		0.72
E5570295 (8984314)		3.04
E5570296 (8984315)		2.72
E5570297 (8984316)		2.88
E5570298 (8984317)		2.72
E5570299 (8984318)		2.56
E5570300 (8984319)		1.46
E5570301 (8984320)		1.16
E5570302 (8984321)		2.84
E5570303 (8984322)		2.24
E5570304 (8984323)		2.78
E5570305 (8984324)		2.56
E5570306 (8984325)		2.70
E5570307 (8984326)		0.08
E5570308 (8984327)		1.36
E5570309 (8984328)		2.84
E5570160 (8984329)		1.24
E5570161 (8984330)		1.06
E5570162 (8984331)		2.38
E5570163 (8984332)		2.54
E5570164 (8984333)		2.46
E5570165 (8984334)		2.80
E5570166 (8984335)		2.36
E5570167 (8984336)		0.08
E5570168 (8984337)		2.06

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B296386

PROJECT: Big Duck

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

### (200-) Sample Login Weight

DATE SAMPLED: Dec 18, 2017

DATE RECEIVED: Dec 15, 2017

DATE REPORTED: Jan 30, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E5570169 (8984338)		2.68
E5570170 (8984339)		2.34
E5570171 (8984340)		2.32
E5570172 (8984341)		2.28
E5570173 (8984342)		2.24
E5570174 (8984343)		0.70
E5570175 (8984344)		2.30
E5570176 (8984345)		2.22
E5570177 (8984346)		2.30
E5570178 (8984347)		2.46
E5570179 (8984348)		2.10
E5570180 (8984349)		1.18
E5570181 (8984350)		0.92
E5570182 (8984351)		1.34
E5570183 (8984352)		1.78
E5570184 (8984353)		1.64
E5570185 (8984354)		2.28
E5570186 (8984355)		2.24
E5570187 (8984356)		0.08
E5570188 (8984357)		2.34
E5570189 (8984358)		2.22
E5570190 (8984359)		2.18
E5570191 (8984360)		2.14
E5570192 (8984361)		2.30
E5570193 (8984362)		2.12
E5570194 (8984363)		0.76
E5570195 (8984364)		2.22
E5570196 (8984365)		2.20
E5570197 (8984366)		2.28
E5570198 (8984367)		2.36
E5570199 (8984368)		2.28

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## Certificate of Analysis

AGAT WORK ORDER: 17B296386

PROJECT: Big Duck

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

### (200-) Sample Login Weight

DATE SAMPLED: Dec 18, 2017      DATE RECEIVED: Dec 15, 2017      DATE REPORTED: Jan 30, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E5570200 (8984369)		1.20
E5570201 (8984370)		0.92
E5570202 (8984371)		2.14
E5570203 (8984372)		2.34
E5570204 (8984373)		2.20
E5570205 (8984374)		2.36
E5570206 (8984375)		2.20
E5570207 (8984376)		0.08

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B296386

PROJECT: Big Duck

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

### (201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 18, 2017	DATE RECEIVED: Dec 15, 2017					DATE REPORTED: Jan 30, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	
RDL:	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	
Sample ID (AGAT ID)															
E5570196 (8984365)	<0.2	0.45	<1	<5	25	<0.5	<1	0.37	<0.5	5	2.2	18.6	87.5	0.59	
E5570197 (8984366)	<0.2	0.43	<1	<5	24	<0.5	<1	0.51	<0.5	6	2.7	15.6	50.4	0.70	
E5570198 (8984367)	0.4	0.42	<1	<5	20	<0.5	3	0.51	<0.5	7	5.6	16.3	124	0.95	
E5570199 (8984368)	0.3	0.61	<1	<5	53	<0.5	<1	0.79	<0.5	9	4.2	20.3	95.8	0.99	
E5570200 (8984369)	0.4	0.44	<1	<5	36	<0.5	<1	0.92	<0.5	10	2.6	19.2	67.5	0.72	
E5570201 (8984370)	0.3	0.39	<1	<5	36	<0.5	<1	0.97	<0.5	10	2.7	14.4	65.6	0.72	
E5570202 (8984371)	0.3	0.45	<1	<5	38	<0.5	<1	0.71	<0.5	10	3.7	16.5	77.1	1.00	
E5570203 (8984372)	0.8	0.57	<1	<5	30	<0.5	7	0.77	<0.5	13	6.8	20.9	379	1.45	
E5570204 (8984373)	0.2	0.54	<1	<5	18	<0.5	<1	0.76	<0.5	9	4.9	16.8	149	0.96	
E5570205 (8984374)	0.3	0.47	<1	<5	31	<0.5	1	0.62	<0.5	7	3.0	19.0	64.3	0.78	
E5570206 (8984375)	0.6	1.15	<1	<5	19	<0.5	<1	0.55	<0.5	9	6.0	14.9	144	1.07	
Analyte:	Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	
Unit:	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10	
Sample ID (AGAT ID)															
E5570196 (8984365)	<5	<1	<1	0.15	1	6	0.32	38	4.8	0.10	24.7	<10	<0.5	<10	
E5570197 (8984366)	<5	<1	<1	0.14	2	4	0.26	35	4.9	0.12	23.3	<10	<0.5	<10	
E5570198 (8984367)	<5	<1	<1	0.17	2	5	0.28	53	7.1	0.08	23.6	<10	<0.5	<10	
E5570199 (8984368)	6	<1	<1	0.21	4	5	0.30	49	7.1	0.14	29.7	<10	<0.5	11	
E5570200 (8984369)	6	<1	<1	0.17	3	5	0.21	49	6.4	0.11	27.3	<10	<0.5	<10	
E5570201 (8984370)	6	<1	<1	0.16	4	5	0.20	44	4.9	0.09	21.4	<10	<0.5	<10	
E5570202 (8984371)	<5	<1	<1	0.16	3	4	0.25	32	7.4	0.09	24.1	<10	<0.5	<10	
E5570203 (8984372)	9	<1	<1	0.19	6	5	0.37	45	6.3	0.12	28.8	<10	<0.5	11	
E5570204 (8984373)	10	<1	<1	0.18	4	4	0.33	49	6.7	0.11	24.0	<10	<0.5	<10	
E5570205 (8984374)	<5	<1	<1	0.17	3	3	0.23	26	6.7	0.13	28.3	<10	<0.5	<10	
E5570206 (8984375)	11	<1	<1	0.48	3	11	0.75	141	7.4	0.11	22.0	<10	<0.5	27	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B296386

PROJECT: Big Duck

5623 McADAM ROAD  
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

### (201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 18, 2017	DATE RECEIVED: Dec 15, 2017					DATE REPORTED: Jan 30, 2018					SAMPLE TYPE: Drill Core				
	Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
	Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample ID (AGAT ID)	RDL:	0.01	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
E5570196 (8984365)		0.31	<1	<0.5	<10	<5	5.3	<10	<10	<5	<0.01	<5	<5	5.8	<1
E5570197 (8984366)		0.53	<1	<0.5	<10	<5	13.7	<10	<10	<5	0.01	<5	<5	5.4	<1
E5570198 (8984367)		0.82	<1	<0.5	<10	<5	22.8	<10	<10	<5	0.02	<5	<5	6.7	<1
E5570199 (8984368)		0.80	<1	0.6	<10	<5	64.9	<10	<10	<5	0.02	<5	<5	7.8	<1
E5570200 (8984369)		0.54	<1	0.5	<10	<5	3.3	<10	<10	<5	0.01	<5	<5	7.3	<1
E5570201 (8984370)		0.59	<1	0.5	<10	<5	18.6	<10	<10	<5	0.01	<5	<5	6.2	<1
E5570202 (8984371)		0.86	<1	0.6	<10	<5	54.0	<10	<10	<5	0.01	<5	<5	8.4	28
E5570203 (8984372)		1.14	<1	0.9	<10	<5	31.6	<10	<10	<5	0.02	<5	<5	12.0	<1
E5570204 (8984373)		0.85	<1	0.6	<10	<5	25.7	<10	<10	<5	0.02	<5	<5	7.4	114
E5570205 (8984374)		0.60	<1	0.5	<10	<5	30.1	<10	<10	<5	0.01	<5	<5	7.6	<1
E5570206 (8984375)		0.95	<1	<0.5	<10	<5	32.2	<10	<10	<5	0.03	<5	<5	6.3	<1
	Analyte:	Y	Zn	Zr											
	Unit:	ppm	ppm	ppm											
Sample ID (AGAT ID)	RDL:	1	0.5	5											
E5570196 (8984365)		3	1.7	<5											
E5570197 (8984366)		3	<0.5	<5											
E5570198 (8984367)		2	1.4	<5											
E5570199 (8984368)		3	18.4	<5											
E5570200 (8984369)		3	5.3	<5											
E5570201 (8984370)		3	1.7	<5											
E5570202 (8984371)		3	1.7	6											
E5570203 (8984372)		4	3.0	13											
E5570204 (8984373)		3	0.9	<5											
E5570205 (8984374)		3	1.2	5											
E5570206 (8984375)		3	12.7	5											

Comments: RDL - Reported Detection Limit

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 17B296386

PROJECT: Big Duck

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Dec 18, 2017      DATE RECEIVED: Dec 15, 2017      DATE REPORTED: Jan 30, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Au Unit: ppm RDL: 0.001
E5570288 (8984307)	0.110
E5570289 (8984308)	0.300
E5570290 (8984309)	0.315
E5570291 (8984310)	0.048
E5570292 (8984311)	0.422
E5570293 (8984312)	0.081
E5570294 (8984313)	0.003
E5570295 (8984314)	0.087
E5570296 (8984315)	0.094
E5570297 (8984316)	0.085
E5570298 (8984317)	0.117
E5570299 (8984318)	0.094
E5570300 (8984319)	0.267
E5570301 (8984320)	0.358
E5570302 (8984321)	0.070
E5570303 (8984322)	0.004
E5570304 (8984323)	0.368
E5570305 (8984324)	0.057
E5570306 (8984325)	0.055
E5570307 (8984326)	0.920
E5570308 (8984327)	0.036
E5570309 (8984328)	0.112
E5570160 (8984329)	0.114
E5570161 (8984330)	0.101
E5570162 (8984331)	0.223
E5570163 (8984332)	0.308
E5570164 (8984333)	0.981
E5570165 (8984334)	0.143
E5570166 (8984335)	0.100
E5570167 (8984336)	0.872
E5570168 (8984337)	0.102
E5570169 (8984338)	0.044

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 17B296386

PROJECT: Big Duck

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Dec 18, 2017      DATE RECEIVED: Dec 15, 2017      DATE REPORTED: Jan 30, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Unit:	RDL:
	Au	ppm	0.001
E5570170 (8984339)			0.111
E5570171 (8984340)			0.019
E5570172 (8984341)			0.013
E5570173 (8984342)			0.011
E5570174 (8984343)			0.001
E5570175 (8984344)			0.011
E5570176 (8984345)			0.022
E5570177 (8984346)			0.015
E5570178 (8984347)			0.052
E5570179 (8984348)			0.011
E5570180 (8984349)			0.116
E5570181 (8984350)			0.278
E5570182 (8984351)			0.015
E5570183 (8984352)			0.020
E5570184 (8984353)			0.012
E5570185 (8984354)			0.009
E5570186 (8984355)			0.019
E5570187 (8984356)			0.761
E5570188 (8984357)			0.021
E5570189 (8984358)			0.047
E5570190 (8984359)			0.044
E5570191 (8984360)			0.016
E5570192 (8984361)			0.031
E5570193 (8984362)			0.014
E5570194 (8984363)			0.002
E5570195 (8984364)			0.009
E5570196 (8984365)			0.015
E5570197 (8984366)			0.008
E5570198 (8984367)			0.027
E5570199 (8984368)			0.012
E5570200 (8984369)			0.022
E5570201 (8984370)			0.020

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# Certificate of Analysis

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PROJECT: Big Duck

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Dec 18, 2017      DATE RECEIVED: Dec 15, 2017      DATE REPORTED: Jan 30, 2018      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Unit:	RDL:
	Au	ppm	0.001
E5570202 (8984371)			0.041
E5570203 (8984372)			0.073
E5570204 (8984373)			0.013
E5570205 (8984374)			0.026
E5570206 (8984375)			0.018
E5570207 (8984376)			1.38

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

Parameter	REPLICATE #1				REPLICATE #2							
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	8984365	< 0.2	< 0.2	0.0%	8984367	0.4	0.3	28.6%				
Al	8984365	0.45	0.45	0.0%	8984367	0.42	0.42	0.0%				
As	8984365	< 1	< 1	0.0%	8984367	< 1	4					
B	8984365	< 5	< 5	0.0%	8984367	< 5	< 5	0.0%				
Ba	8984365	25	26	3.9%	8984367	20	20	0.0%				
Be	8984365	< 0.5	< 0.5	0.0%	8984367	< 0.5	< 0.5	0.0%				
Bi	8984365	< 1	< 1	0.0%	8984367	3	2					
Ca	8984365	0.370	0.375	1.3%	8984367	0.509	0.517	1.6%				
Cd	8984365	< 0.5	< 0.5	0.0%	8984367	< 0.5	< 0.5	0.0%				
Ce	8984365	5	6	18.2%	8984367	7	7	0.0%				
Co	8984365	2.21	2.26	2.2%	8984367	5.6	5.6	0.0%				
Cr	8984365	18.6	18.9	1.6%	8984367	16.3	16.5	1.2%				
Cu	8984365	87.5	89.1	1.8%	8984367	124	129	4.0%				
Fe	8984365	0.59	0.59	0.0%	8984367	0.948	0.956	0.8%				
Ga	8984365	< 5	7		8984367	< 5	< 5	0.0%				
Hg	8984365	< 1	< 1	0.0%	8984367	< 1	< 1	0.0%				
In	8984365	< 1	< 1	0.0%	8984367	< 1	< 1	0.0%				
K	8984365	0.15	0.15	0.0%	8984367	0.17	0.17	0.0%				
La	8984365	1	2		8984367	2	3					
Li	8984365	6	5	18.2%	8984367	5	6	18.2%				
Mg	8984365	0.32	0.32	0.0%	8984367	0.28	0.28	0.0%				
Mn	8984365	38	41	7.6%	8984367	53	54	1.9%				
Mo	8984365	4.8	4.7	2.1%	8984367	7.1	7.0	1.4%				
Na	8984365	0.10	0.10	0.0%	8984367	0.08	0.08	0.0%				
Ni	8984365	24.7	24.5	0.8%	8984367	23.6	23.5	0.4%				
P	8984365	< 10	< 10	0.0%	8984367	< 10	< 10	0.0%				
Pb	8984365	< 0.5	< 0.5	0.0%	8984367	< 0.5	< 0.5	0.0%				
Rb	8984365	< 10	< 10	0.0%	8984367	< 10	< 10	0.0%				
S	8984365	0.31	0.31	0.0%	8984367	0.822	0.845	2.8%				
Sb	8984365	< 1	< 1	0.0%	8984367	< 1	< 1	0.0%				
Sc	8984365	< 0.5	< 0.5	0.0%	8984367	< 0.5	< 0.5	0.0%				



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

Se	8984365	< 10	< 10	0.0%	8984367	< 10	< 10	0.0%								
Sn	8984365	< 5	< 5	0.0%	8984367	< 5	< 5	0.0%								
Sr	8984365	5.3	< 0.5		8984367	22.8	21.3	6.8%								
Ta	8984365	< 10	< 10	0.0%	8984367	< 10	< 10	0.0%								
Te	8984365	< 10	< 10	0.0%	8984367	< 10	< 10	0.0%								
Th	8984365	< 5	< 5	0.0%	8984367	< 5	< 5	0.0%								
Ti	8984365	< 0.01	< 0.01	0.0%	8984367	0.015	0.015	0.0%								
Tl	8984365	< 5	< 5	0.0%	8984367	< 5	< 5	0.0%								
U	8984365	< 5	< 5	0.0%	8984367	< 5	< 5	0.0%								
V	8984365	5.8	5.8	0.0%	8984367	6.71	6.42	4.4%								
W	8984365	< 1	< 1	0.0%	8984367	< 1	< 1	0.0%								
Y	8984365	3	3	0.0%	8984367	2	2	0.0%								
Zn	8984365	1.7	1.6	6.1%	8984367	1.4	1.3	7.4%								
Zr	8984365	< 5	< 5	0.0%	8984367	< 5	< 5	0.0%								

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	8984307	0.110	0.101	8.5%	8984319	0.267	0.246	8.2%	8984331	0.223	0.163		8984333	0.981	1.10	11.4%
	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	8984343	0.0013	0.0017	26.7%	8984355	0.019	0.019	0.0%	8984357	0.021	0.012		8984367	0.027	0.038	



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Wayne Reid

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

Parameter	CRM #1 (ref.CDN-ME-1304)				CRM #2 (ref.GS45)				CRM #3 (ref.WW07)				CRM #4 (ref.GS45)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag	34.0	33.2	98%	90% - 110%												
Cu	2680	2524	94%	90% - 110%												
Pb	2580	2363	92%	90% - 110%												
Zn	2200	2149	98%	90% - 110%												

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

Parameter	CRM #1 (ref.WW07)				CRM #2 (ref.GS45)				CRM #3 (ref.WW07)				CRM #4 (ref.GS45)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	6.56	6.89	105%	90% - 110%	2.89	2.79	97%	90% - 110%	6.56	6.79	104%	90% - 110%	2.89	3.03	105%	90% - 110%



## Method Summary

CLIENT NAME: MISC AGAT CLIENT ON  
 PROJECT: Big Duck  
 SAMPLING SITE:

AGAT WORK ORDER: 17B296386  
 ATTENTION TO: Wayne Reid  
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12020		ICP/OES
Al	MIN-200-12020		ICP/OES
As	MIN-200-12020		ICP/OES
B	MIN-200-12020		ICP/OES
Ba	MIN-200-12020		ICP/OES
Be	MIN-200-12020		ICP/OES
Bi	MIN-200-12020		ICP/OES
Ca	MIN-200-12020		ICP/OES
Cd	MIN-200-12020		ICP/OES
Ce	MIN-200-12020		ICP/OES
Co	MIN-200-12020		ICP/OES
Cr	MIN-200-12020		ICP/OES
Cu	MIN-200-12020		ICP/OES
Fe	MIN-200-12020		ICP/OES
Ga	MIN-200-12020		ICP/OES
Hg	MIN-200-12020		ICP/OES
In	MIN-200-12020		ICP/OES
K	MIN-200-12020		ICP/OES
La	MIN-200-12020		ICP/OES
Li	MIN-200-12020		ICP/OES
Mg	MIN-200-12020		ICP/OES
Mn	MIN-200-12020		ICP/OES
Mo	MIN-200-12020		ICP/OES
Na	MIN-200-12020		ICP/OES
Ni	MIN-200-12020		ICP/OES
P	MIN-200-12020		ICP/OES
Pb	MIN-200-12020		ICP/OES
Rb	MIN-200-12020		ICP/OES
S	MIN-200-12020		ICP/OES
Sb	MIN-200-12020		ICP/OES
Sc	MIN-200-12020		ICP/OES
Se	MIN-200-12020		ICP/OES
Sn	MIN-200-12020		ICP/OES
Sr	MIN-200-12020		ICP/OES
Ta	MIN-200-12020		ICP/OES
Te	MIN-200-12020		ICP/OES
Th	MIN-200-12020		ICP/OES
Ti	MIN-200-12020		ICP/OES
Tl	MIN-200-12020		ICP/OES
U	MIN-200-12020		ICP/OES
V	MIN-200-12020		ICP/OES
W	MIN-200-12020		ICP/OES
Y	MIN-200-12020		ICP/OES
Zn	MIN-200-12020		ICP/OES
Zr	MIN-200-12020		ICP/OES
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES

**APPENDIX 3 - Drill Sections and Plan**

Map 1. DDH Location Map, (1:5 000)

Map 2. Section 477100 mE, (1:400)

Map 3. Section 476985 mE, (1:400)

Map 4. Section 477200 mE, (1:400)

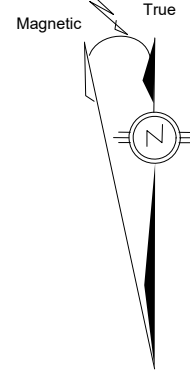
Map 6. Section 477461 mE, (1:400)



477,000 mE

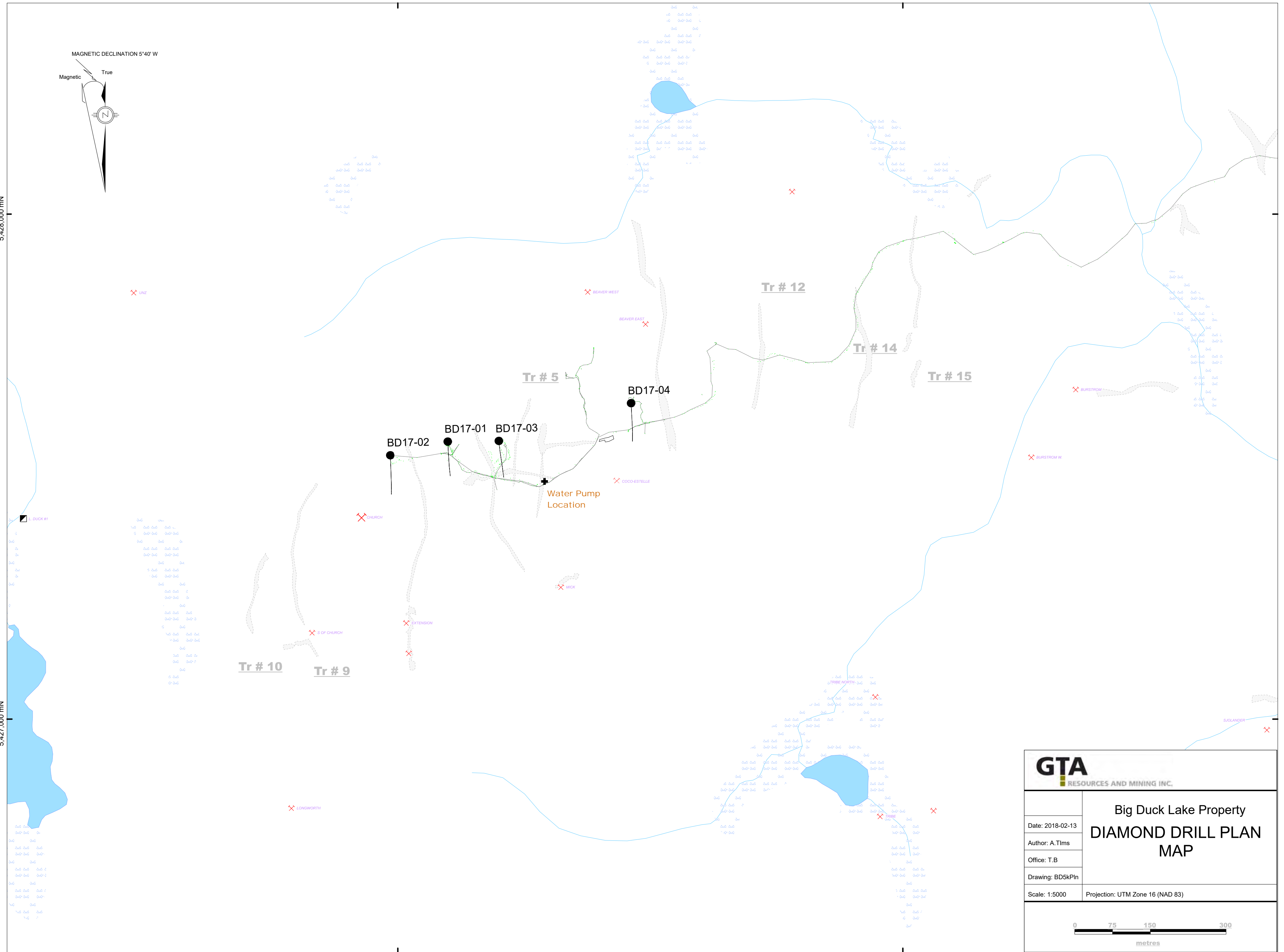
478,000 mE

MAGNETIC DECLINATION 5°40' W

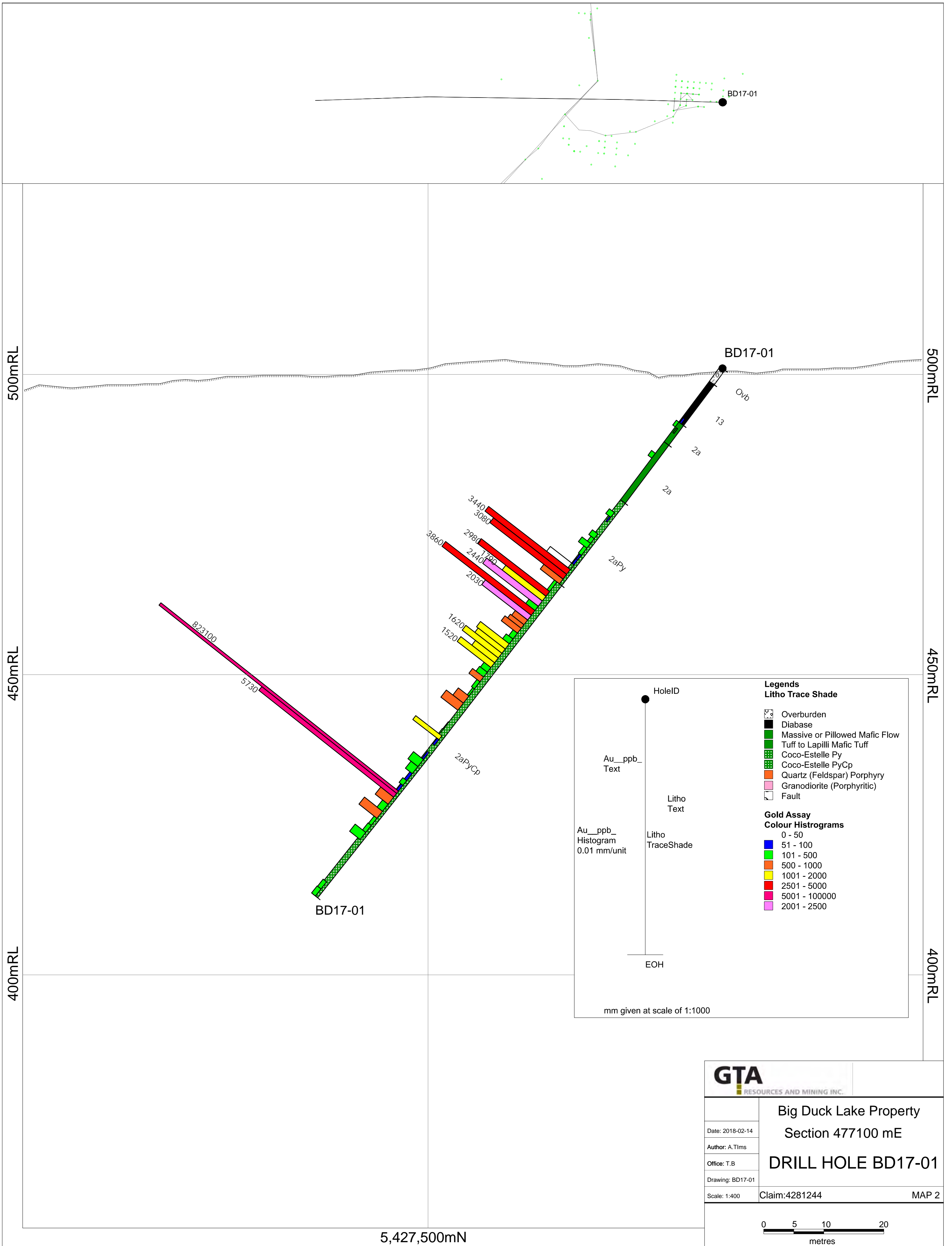


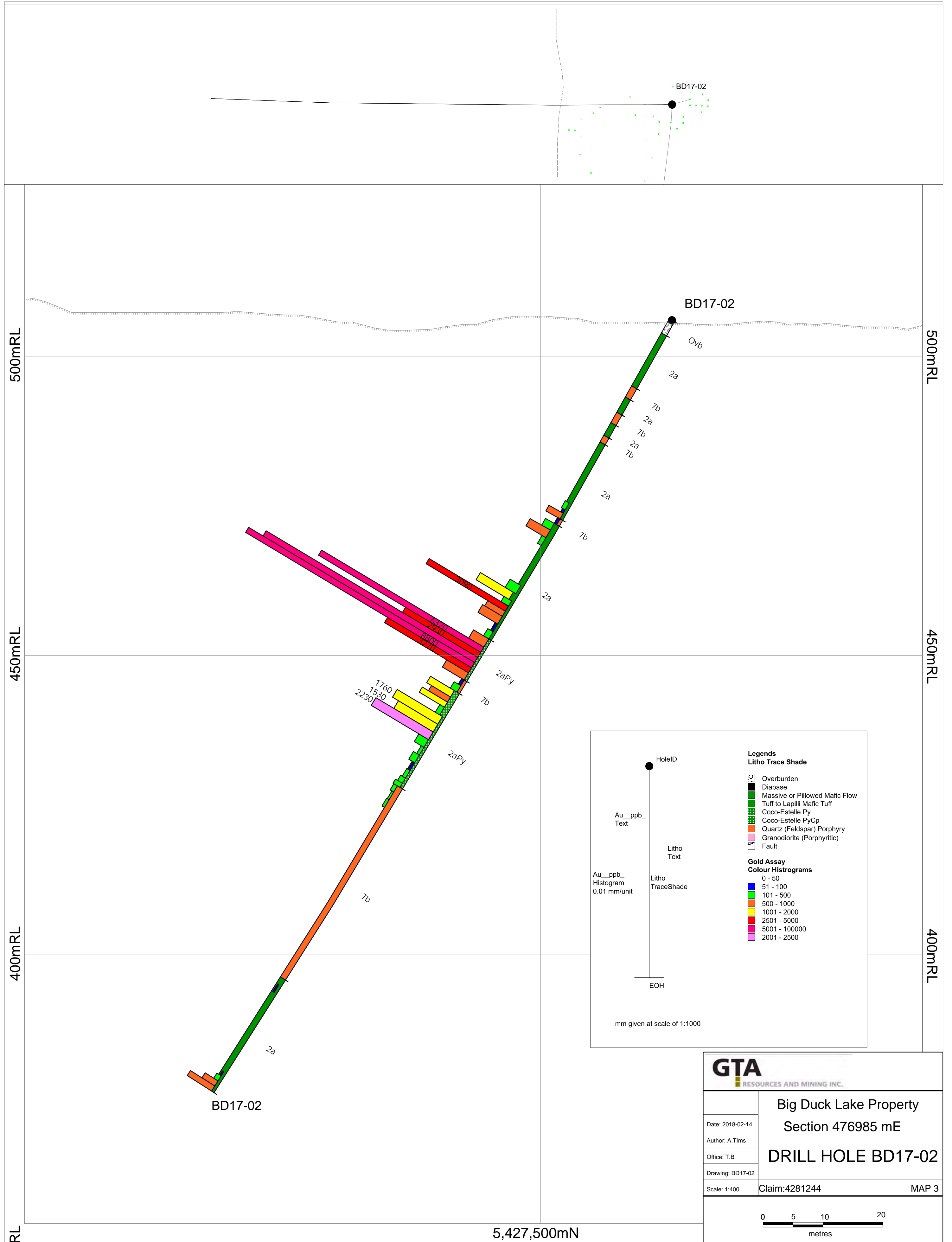
5,428,000 mN

5,427,000 mN



<b>GTA</b> RESOURCES AND MINING INC.	
Date: 2018-02-13	<b>Big Duck Lake Property DIAMOND DRILL PLAN MAP</b>
Author: A.Tims	
Office: T.B	
Drawing: BD5kPln	
Scale: 1:5000	Projection: UTM Zone 16 (NAD 83)





BD17-02

BD17-02

Ovb

2a

7b

2a

7b

2a

7b

2a

7b

2a

2aPy

7b

2aPy

7b

2a

BD17-02

5,427,500mN

500mRL

500mRL

450mRL

450mRL

400mRL

400mRL

RL

HoleID

Au\_ppb\_Text

Au\_ppb\_Histogram  
0.01 mm/unit

Litho\_Text

Litho\_TraceShade

EOH

mm given at scale of 1:1000

**Legends**

**Litho Trace Shade**

- Overburden
- Diabase
- Massive or Pillowed Mafic Flow
- Tuff to Lapilli Mafic Tuff
- Coco-Estelle Py
- Coco-Estelle PyCp
- Quartz (Feldspar) Porphyry
- Granodiorite (Porphyritic)
- Fault

**Gold Assay Colour Histograms**

- 0 - 50
- 51 - 100
- 101 - 500
- 500 - 1000
- 1001 - 2000
- 2501 - 5000
- 5001 - 100000
- 2001 - 2500

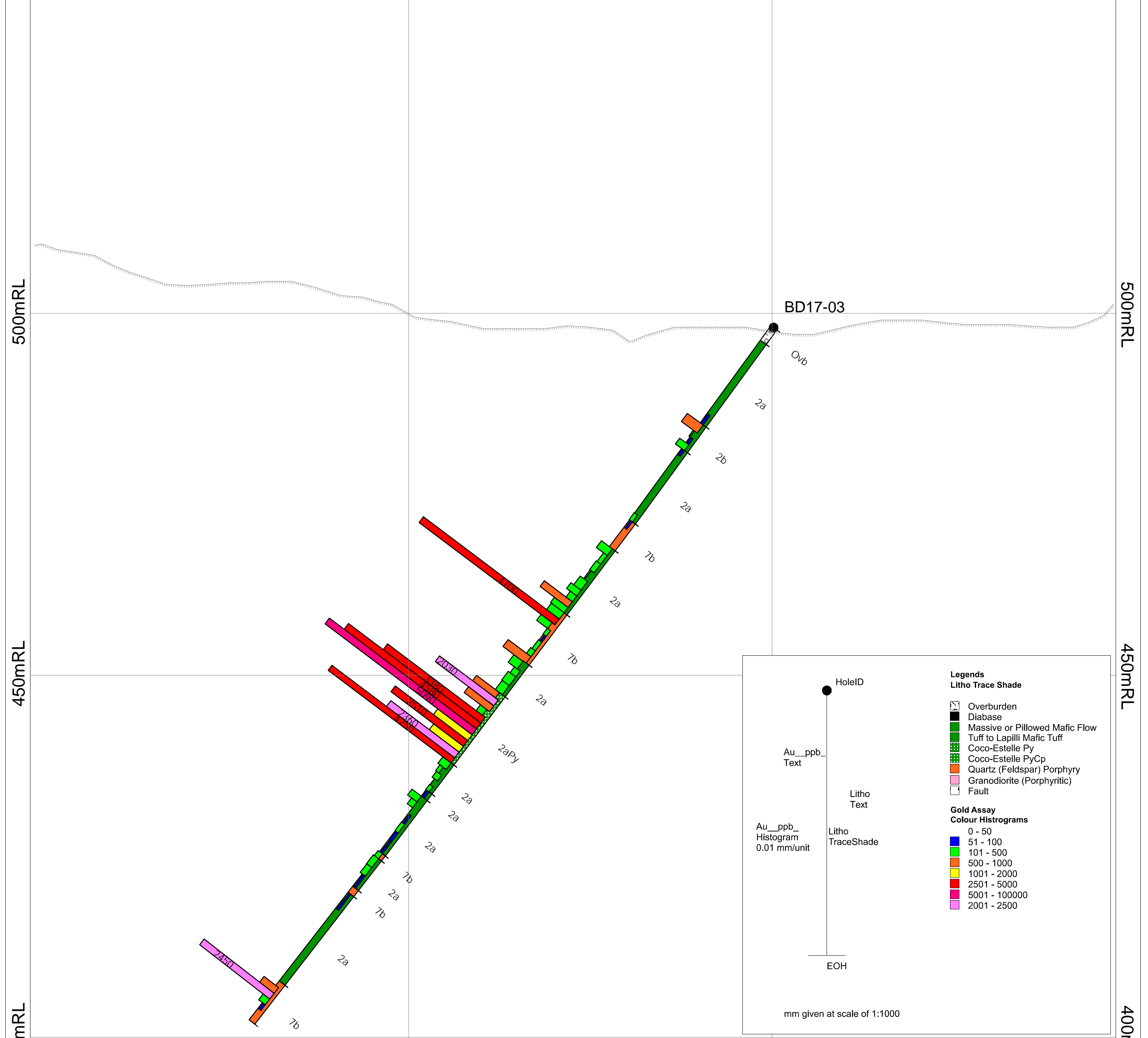
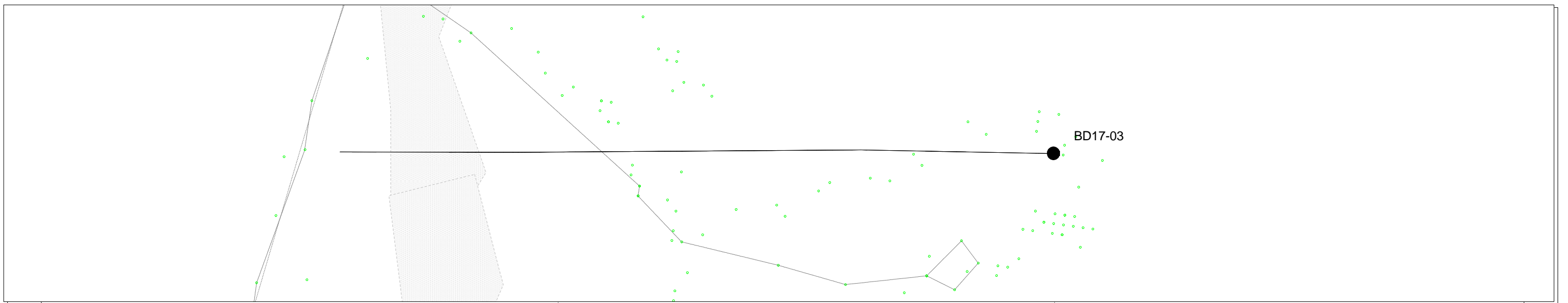
**GTA**  
RESOURCES AND MINING INC.

Big Duck Lake Property  
Section 476985 mE  
**DRILL HOLE BD17-02**

Date: 2018-02-14  
Author: A.Tims  
Office: T.B  
Drawing: BD17-02

Scale: 1:400  
Claim: 4281244  
MAP 3

0 5 10 20  
metres



**HoleID**

Au\_ppb  
Text

Au\_ppb  
Histogram  
0.01 mm/unit

Litho  
Text

Litho  
TraceShade

EOH

mm given at scale of 1:1000

**Legends**

**Litho Trace Shade**

- Overburden
- Diabase
- Massive or Pillowed Mafic Flow
- Tuff to Lapilli Mafic Tuff
- Coco-Estelle Py
- Coco-Estelle PyCp
- Quartz (Feldspar) Porphyry
- Granodiorite (Porphyritic)
- Fault

**Gold Assay Colour Histograms**

- 0 - 50
- 51 - 100
- 101 - 500
- 500 - 1000
- 1001 - 2000
- 2501 - 5000
- 5001 - 100000
- 2001 - 2500

**GTA**  
RESOURCES AND MINING INC.

Big Duck Lake Property  
Section 477200 mE

Author: A.Tims

Office: T.B

Drawing: BD17-03

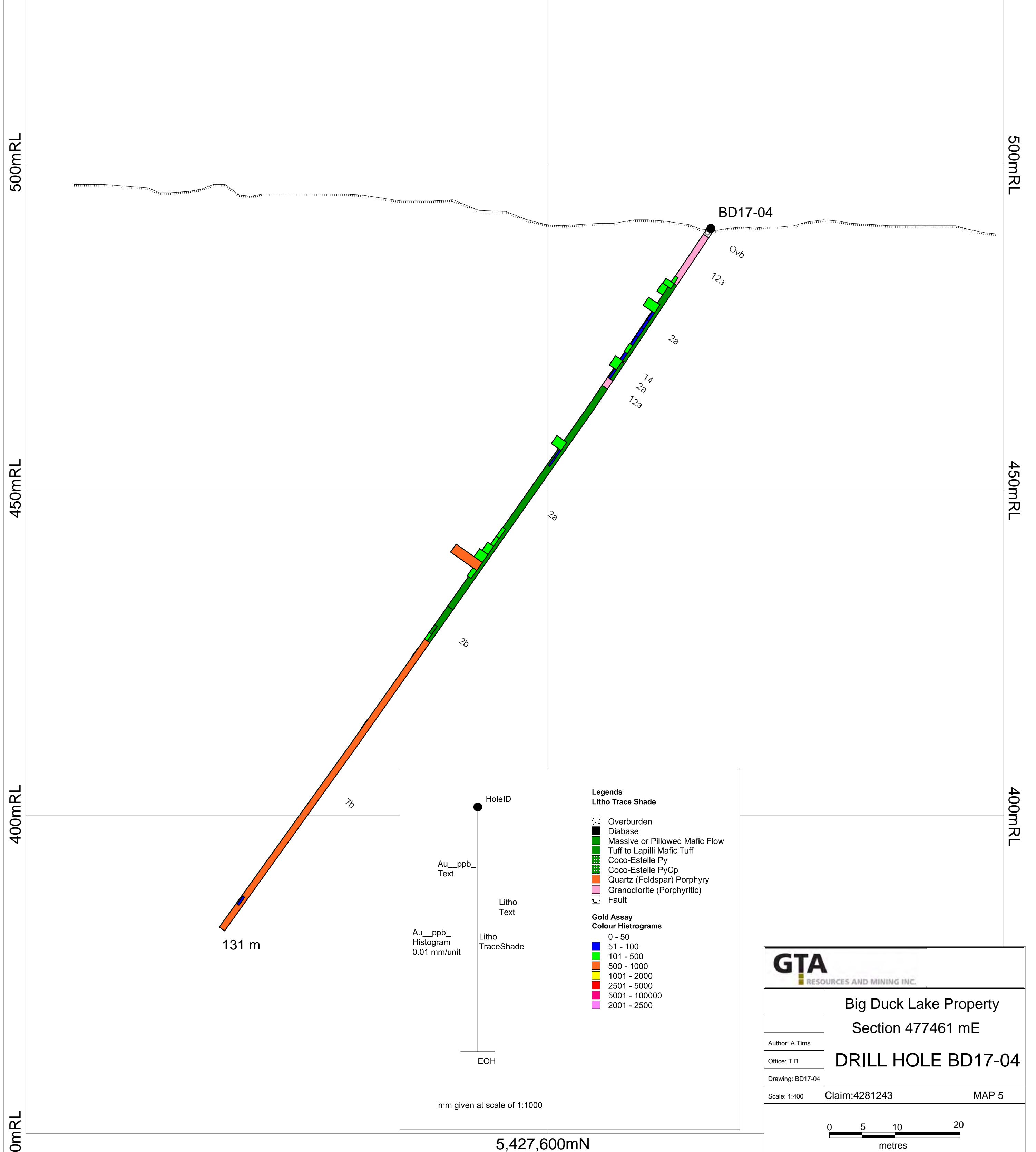
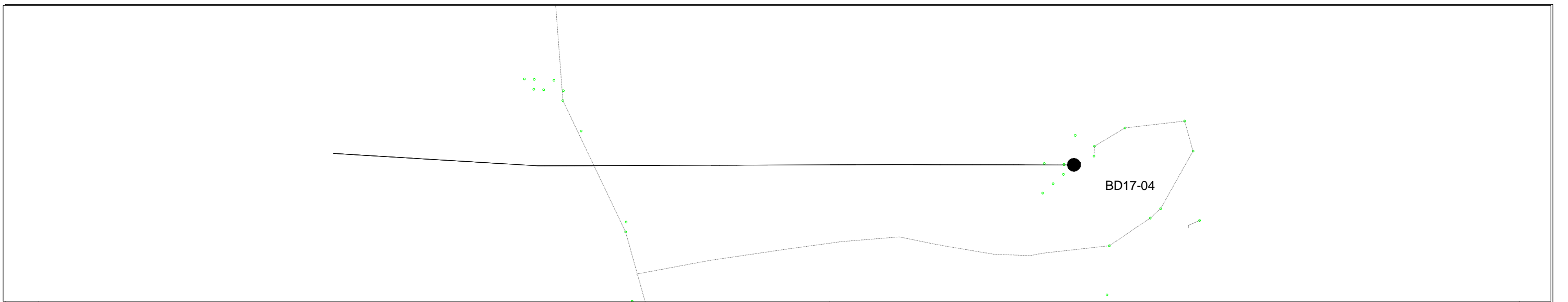
**DRILL HOLE BD17-03**

Scale: 1:400      Claim:4281244      MAP 4

0      5      10      20  
metres

5,427,500mN

477,200mE



**HoleID**

**Au\_ppb\_Text**

**Au\_ppb\_Histogram**  
0.01 mm/unit

**Litho\_Text**

**Litho\_TraceShade**

**EOH**

mm given at scale of 1:1000

**Legends**

**Litho Trace Shade**

- Overburden
- Diabase
- Massive or Pillowed Mafic Flow
- Tuff to Lapilli Mafic Tuff
- Coco-Estelle Py
- Coco-Estelle PyCp
- Quartz (Feldspar) Porphyry
- Granodiorite (Porphyritic)
- Fault

**Gold Assay Colour Histograms**

- 0 - 50
- 51 - 100
- 101 - 500
- 500 - 1000
- 1001 - 2000
- 2501 - 5000
- 5001 - 100000
- 2001 - 2500

**GTA**  
RESOURCES AND MINING INC.

Big Duck Lake Property  
Section 477461 mE

Author: A.Tims  
Office: T.B  
Drawing: BD17-04

**DRILL HOLE BD17-04**

Scale: 1:400  
Claim: 4281243  
MAP 5

0 5 10 20  
metres