

MAMMOTH GEOLOGICAL LTD.

704 – 1060 Alberni Street
Vancouver, B.C. Canada V6E 4K2

Phone : (604) 569-1955 Fax : (604) 558-2444
email : mammothgeo@shaw.ca

2012 GEOCHEMICAL REPORT

DRAGON PROJECT

Mayo Mining Division

Claim Sheets 115P10 and 115P11
UTM (NAD 83) ZONE 8 395000E 7052000N

FOR

Golden Dragon Mining Inc.
Box 172
Mayo, Yukon Territory Y0B 1M0

By: R.Tim Henneberry, P.Geo.
January 12, 2013

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SUMMARY

The 4573 hectare Dragon property is being explored for intrusion related gold deposits. The claims lie 65 kilometres west of Mayo, Yukon. The western edge of the property lies along the Alaska Highway 28 kilometres west of Stewart Crossing. The claims are registered in the name of Donald O. Hutton of Mayo, Yukon, president of Golden Mining Dragon Inc..

The Dragon claims lie within the prospective Tombstone Gold Belt one of several gold rich mineral districts within the Tintina Gold Province of Yukon and Alaska. Within the Dragon claim area, the geology consists of upper Proterozoic to lower Cambrian largely clastic sediments, consisting of phyllites, shales, sandstones, grits and conglomerates with some limestone. Mid to late Cretaceous intrusions related to the Tombstone Suite intrude the clastic sediments.

The Dragon claims have not been mapped. The claims appear to be entirely underlain by the upper Proterozoic to lower Cambrian largely clastic sediment package. The Yukon Geological Survey Minfile occurrence within the claim boundary reports a strongly altered and bleached granitic dyke or small stock, suggesting the presence of a Tombstone intrusion within or proximal to the Dragon claims.

Bedrock mineralization has yet to be found on the Dragon property. Exploration to date has been confined to the southwest section of the property and consisted of a small auger soil sampling and grab rock soil sampling. 32 rocks samples and 151 auger soil samples were taken during 2012.

Eight of the 32 rock samples taken returned weakly to moderately gold values ranging from a low of 9 ppb Au to a maximum of 128 ppb Au. Rock descriptions are not available. The soil sampling consisted of reconnaissance auger lines. Four areas of semi-continuously to continuously weakly to strong anomalous gold values were identified ranging in length from 25 to 125 metres:

1. a two station anomaly of 13 and 52 ppb Au at the southeast end of the northwest reconnaissance line.
2. a 50 by 50 metre area at the junction of the northwest reconnaissance line and a short northeast line returned continuous values of 12, 105, 36, 13, 4 and 18 ppb Au.
3. a continuous 125 metre section at the western end of the northwest reconnaissance line returned values of 16, 12, 11, 10, 41, and 24 ppb Au
4. a 125 metre section of the eastern northeast reconnaissance line returned values of 12, 15, 11, 14, 3 and 13 ppb Au

A program of 36.4 line kilometres of ridge line auger soil sampling at 25 metre intervals across the entire Dragon property and detailed prospecting of the current gold in soil anomalies is recommended as the next phase of exploration at the Dragon property. The cost of this program is estimated at \$240,000.

The cost of the 2012 exploration program was \$37,500.

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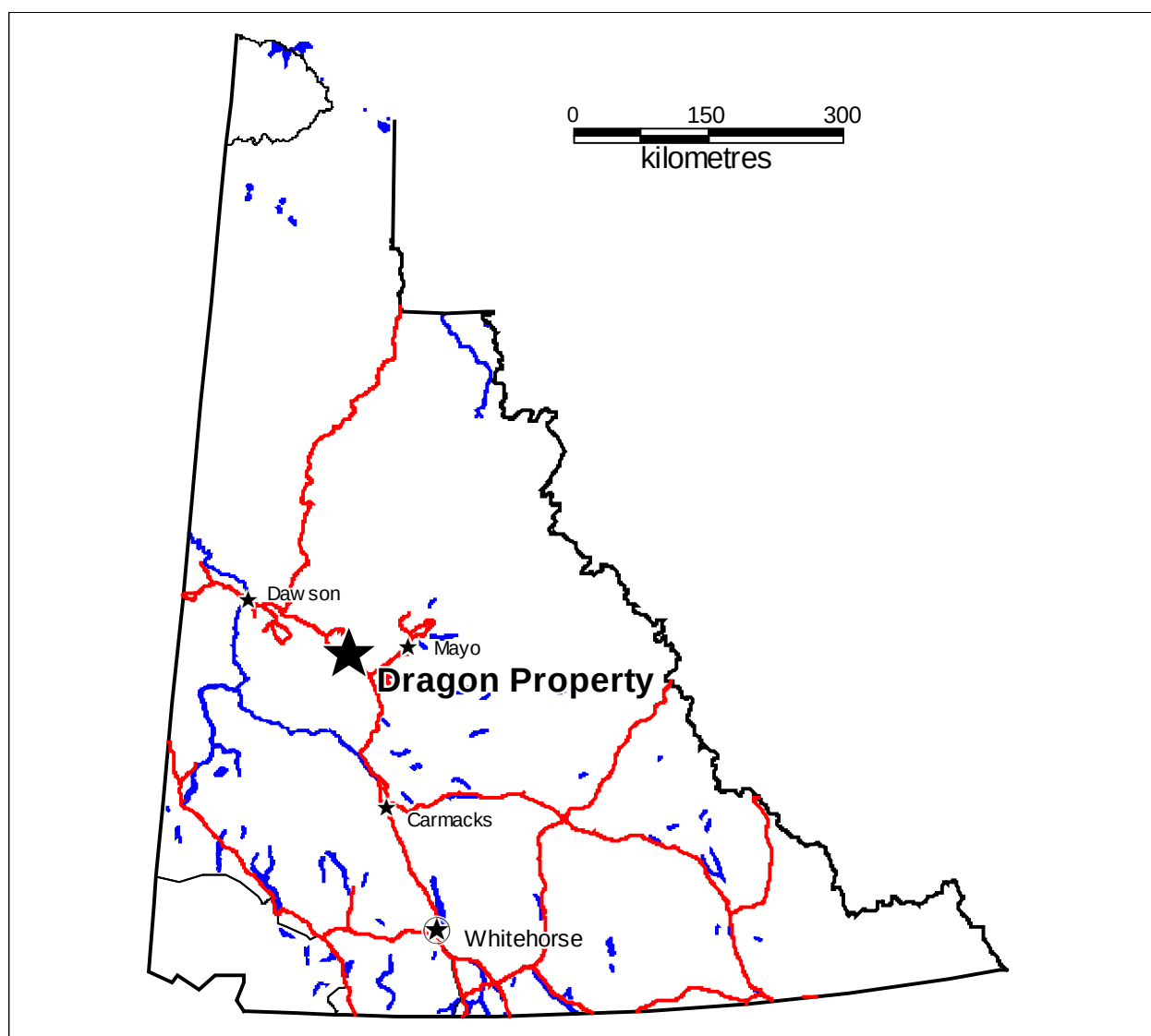
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INTRODUCTION

The purpose of this report is to compile the data from the 2012 exploration program on the Dragon Project to meet assessment requirements.

This report was commissioned by Mr. Donald O. Hutton, the registered owner of the claims and president of Golden Mining Dragon Inc.

The Dragon project is being explored for lode gold in the Tombstone Gold Belt of central Yukon.

The exploration program was undertaken by the registered owner of the property and his assistant. The author has yet to visit the Dragon claims.



UTM NAD 83 Zone 8

Figure 1. Location Map

RELIANCE ON OTHER EXPERTS

The author is not relying on a report or opinion of any experts. The ownership of the claims comprising the property and the ownership of the surrounding claims has been taken from the Quartz Claim database maintained by the Yukon Ministry of Mines. The data on this site is assumed to be correct.

The section describing the History of the property area has been taken from the Yukon Ministry of Energy and Mines MINFILE database and Regional Geochemical Survey database. The rock, soil and silt analyses were completed by reputable Canadian assay labs in accord with industry standards of the day.

PROPERTY DESCRIPTION AND LOCATION

The Dragon Project consists of 219 quartz claims covering 4,573 hectares. The claims straddle Quartz Claim National Topographic System Sheets 115P10 and 115P11 and lie within the Mayo Mining District. The geographic center of the Dragon claims is approximately 395000E 7052000N in UTM ZONE 8 (NAD 83).

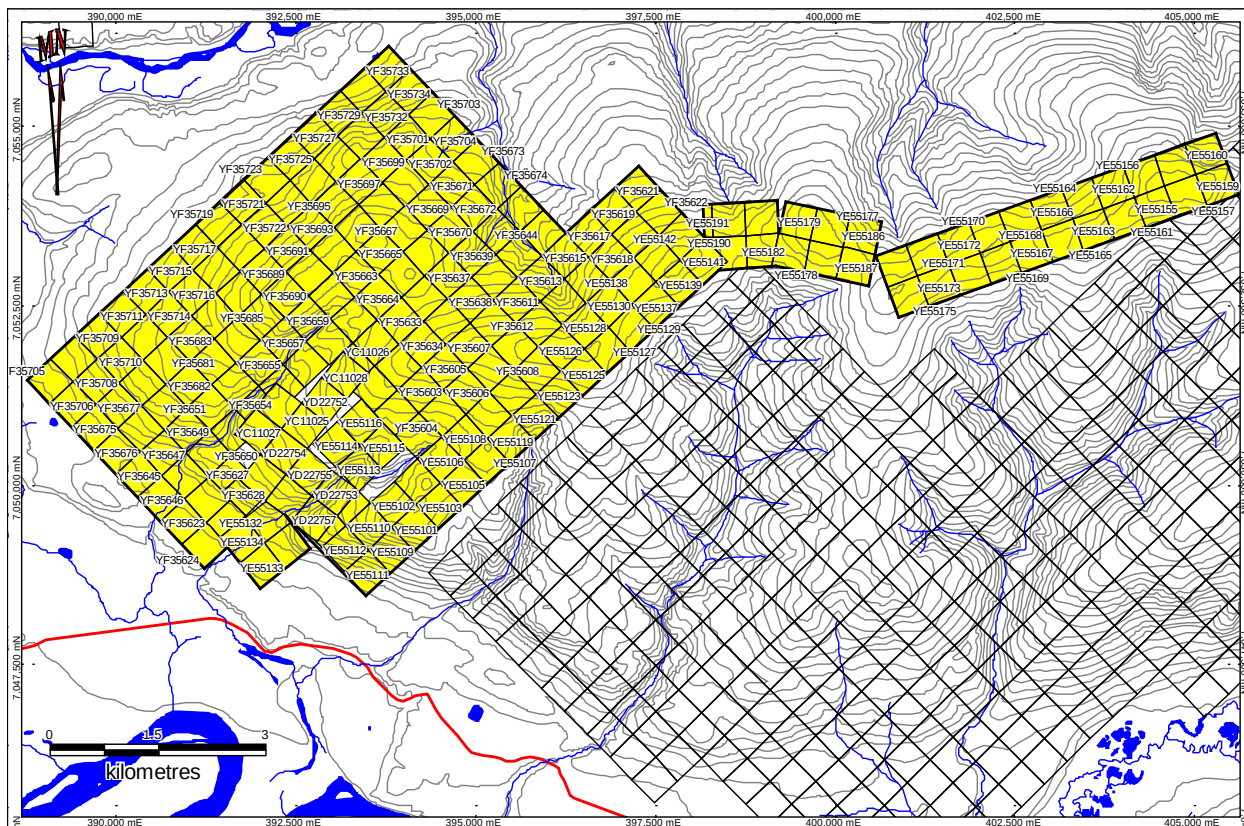
The claims are registered in the names of Donald O. Hutton, the president of Golden Dragon Mining Inc., as shown in Table 1.

Table 1. List of Dragon Property Quartz Claims

Claim Name and Number	Grant Number	Expiry Date	Registered Owner	% Owned	NTS #'s
AL 1	YD22757	2013/06/27	Don Hutton	100.00	115P11
AL 2	YD22753	2013/06/27	Don Hutton	100.00	115P11
Belit 1-2	YD22751-YD22752	2013/06/06	Don Hutton	100.00	115P11
Dragon 1-4	YE55101-YE55104	2014/10/09	Don Hutton	100.00	115P11
Dragon 5-8	YE55105-YE55108	2013/06/22	Don Hutton	100.00	115P11
Dragon 9-13	YE55109-YE55113	2014/10/09	Don Hutton	100.00	115P11
Dragon 14-18	YE55114-YE55118	2013/06/06	Don Hutton	100.00	115P11
Dragon 19-30	YE55119-YE55130	2014/10/09	Don Hutton	100.00	115P11
Dragon 31-34	YE55131-YE55134	2013/06/22	Don Hutton	100.00	115P11
Dragon 37-42	YE55137-YE55142	2014/10/09	Don Hutton	100.00	115P11
Dragon 55-87	YE55101-YE55104	2014/10/09	Don Hutton	100.00	115P08, 115P10, 115P11
Dragon 90-91	YE55155-YE55187	2014/10/09	Don Hutton	100.00	115P11
Dragon 101-234	YF35601-YF38734	2014/10/09	Don Hutton	100.00	115P11
Frank 1	YD22756	2013/06/27	Don Hutton	100.00	115P11
Frank 2	YD22757	2013/06/27	Don Hutton	100.00	115P11
Mel 1	YD22758	2013/06/27	Don Hutton	100.00	115P11
Mel 2	YD22754	2013/06/27	Don Hutton	100.00	115P11
Tab	YC11027	2014/10/09	Don Hutton	100.00	115P11
Val	YC11028	2014/10/09	Don Hutton	100.00	115P11

There are no environmental liabilities associated with the Dragon property to the best of the author's knowledge. The next phase of exploration on the Dragon property will be further soil sampling for which a permit is not required.

The author is not aware of any other significant factors and risks that may affect access, title, or the right or ability to perform work on the Dragon property.



UTM NAD 83 Zone 8

Figure 2. Claim Map

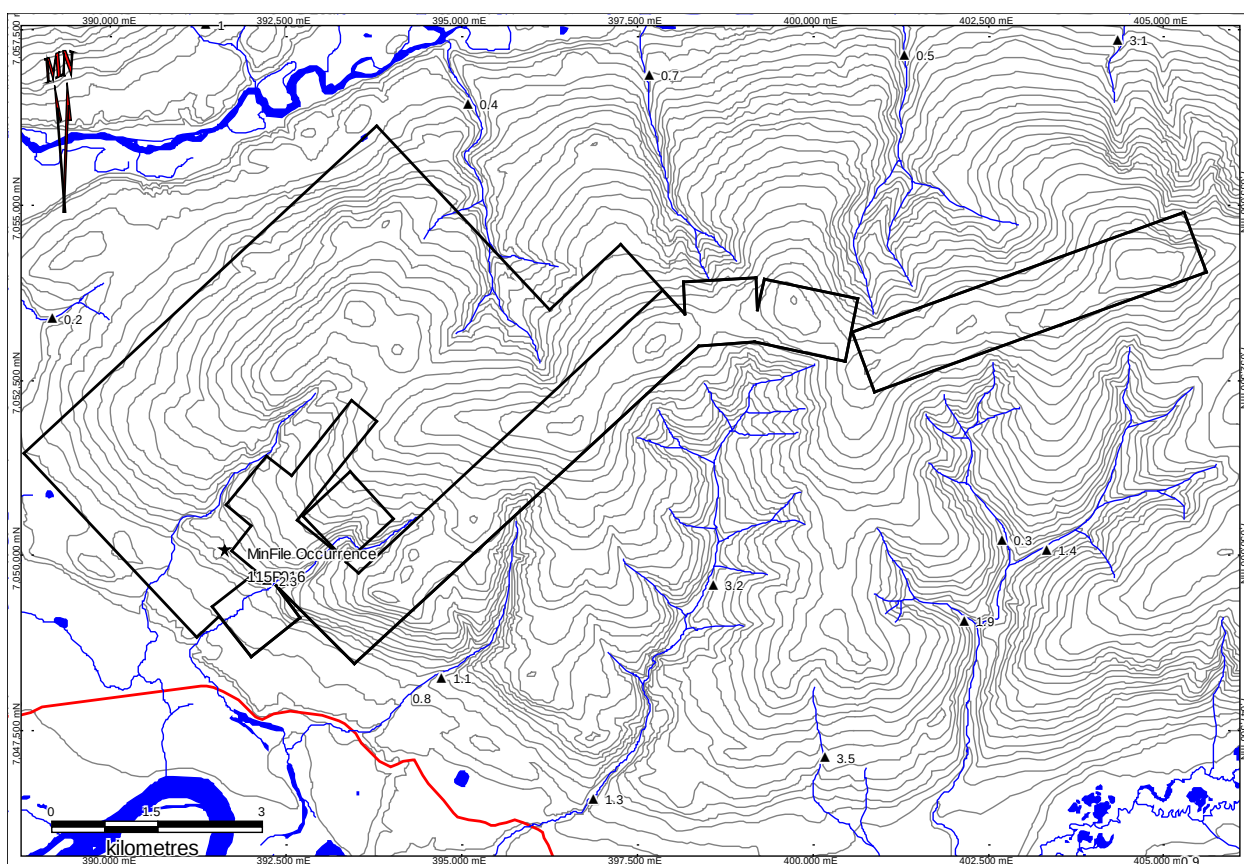
ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

The Dragon claims lie 65 kilometres west of Mayo, Yukon. Access is via the Alaska Highway. The claims lie approximately 28 kilometres west along the Alaska Highway from Stewart Crossing. The claims lie to the northeast of the highway. The claims on the lower slopes are accessible by foot but the bulk of the property requires helicopter access.

The Dragon property covers low rolling hills within the Dawson Range, within the unglaciated Yukon Plateau. Elevation ranges from 550 metres above sea level (ASL) at the extreme western edge of the property to 1400 metres along the eastern mountain tops.

Vegetation is typical boreal forest consisting of white spruce, birch and poplar on well drained slopes and black spruce on poorly drained frozen north facing slopes. Exposure is extremely poor but does exist along ridge tops, along some slopes as talus boulders and locally along creeks. Sparse vegetation dominated by buck brush and widely spaced and stunted spruce trees is evident above the 1050 metre elevation.

The area has a northern interior climate characterized by a wide temperature range with warm summers, long cold winters and light precipitation. Approximate daily averages in July are 20°C, dropping to 5°C at night, and in January -25°C during the day, dropping to -35°C overnight with -50°C not uncommon. Annual precipitation for Dawson averages about 325 millimetres, including close to 200 mm of rain and 160 mm of snow. The exploration season lasts from late May until late September.

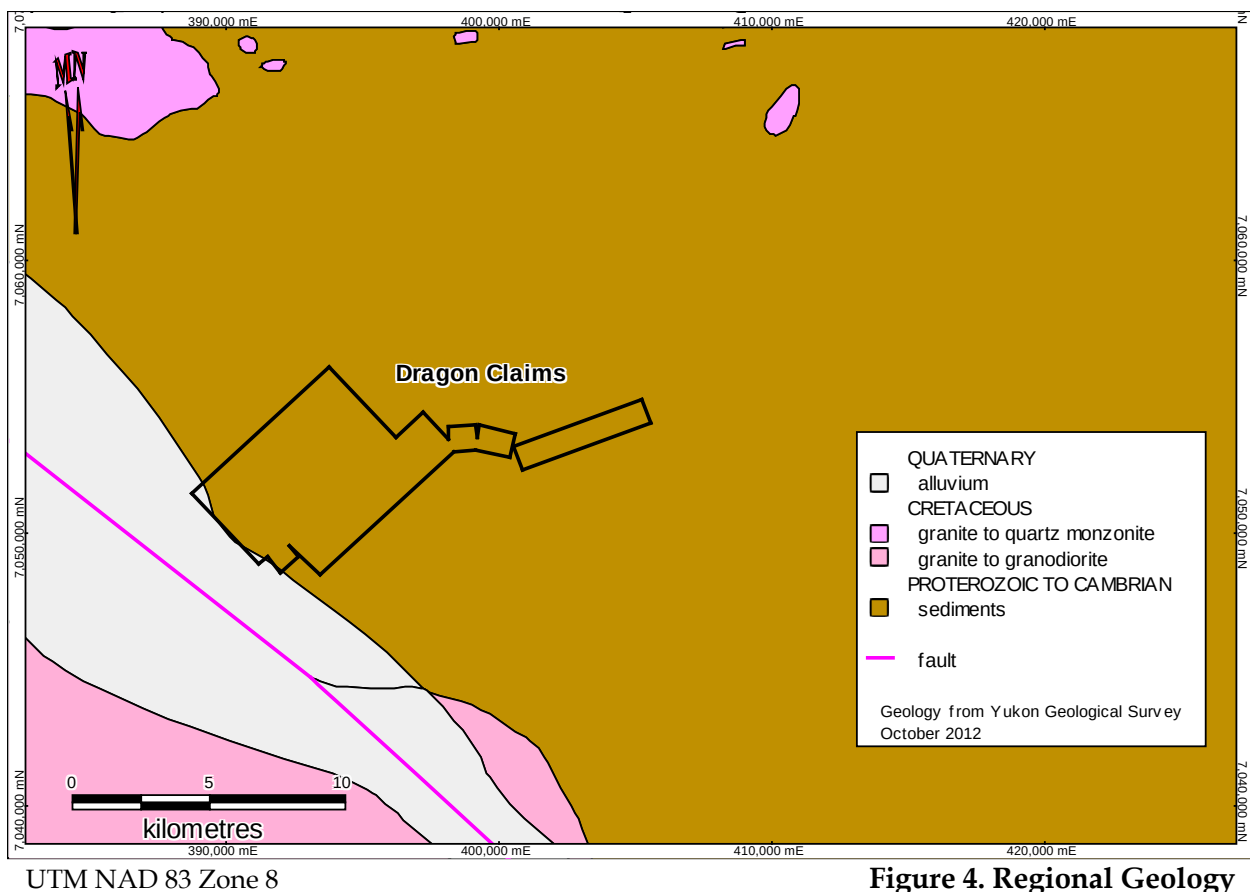


UTM NAD 83 Zone 8

Figure 3. RGS Survey in ppb Au

The logistics of working in this part of the Yukon are difficult. Access throughout the property will require helicopter transport. Local accommodation is available in Mayo, 100 kilometres to the east. While the next stage of exploration will be further soil sampling, more advanced exploration, namely trenching and drilling will require some type of air support.

The Yukon Geological Survey MINFILE database indicates that the Moose Ridge occurrence (115P 016) lies within the present Dragon property boundary (Figure 3). The work history indicates the occurrence was first staked as the Hope claim in September 1962 by the Dualco Syndicate who completed a hand trenching program in 1963. The occurrence was next staked as the King claim in April 1967 by G. King and O. Hutton, with no work completed. C. Klippert next staked the occurrence in Jun 1969 as the Con claim and completed programs of bulldozer trenching in 1967 and 1970. Amax Potash next staked the occurrence in April 1979, completing mapping and sampling later that year. Documentation of these work programs appear limited though the MINFILE summary indicated a sample from the limey metasediment bands proximal to a small, bleached granite assayed 411.4 grams per tonne Ag.



A sample believed to have been taken from the bleached granite in 1998 returned a value of 1330 ppb Au. While the registered owner has been working on the property for the past few years, this is the first geological assessment report on the Dragon property.

The Regional Geochemical Survey was completed on 250,000 Map Sheet 115P in 1987. The samples were recently rerun using ICPMS analysis. The samples proximal to the Dragon claims are shown in Figure 3. The 75th percentile for the 891 samples taken is 2.2 parts per billion gold and indicates that two of the creeks draining the claims returned values in excess of the 75th percentile, suggesting these two creeks are anomalous in gold.

GEOLOGICAL SETTING

The Dragon claims lie within the prospective Tombstone Gold Belt one of several gold rich mineral districts within the Tintina Gold Province of Yukon and Alaska. The Tombstone Gold Belt forms a 600 kilometre long belt of gold deposits and occurrences directly associated with mid Cretaceous age intrusions that intrude along the northern margin of the Selwyn Basin. (Hart, 2006).

Within the Dragon claim area, the geology consists of upper Proterozoic to lower Cambrian largely clastic sediments, consisting of phyllites, shales, sandstones, grits and conglomerates with some limestone. Mid to late Cretaceous intrusions related to the Tombstone Suite intrude the clastic sediments. The intrusions range from granite to monzonite to granodiorite. (Gordey and Makepeace, 2003).

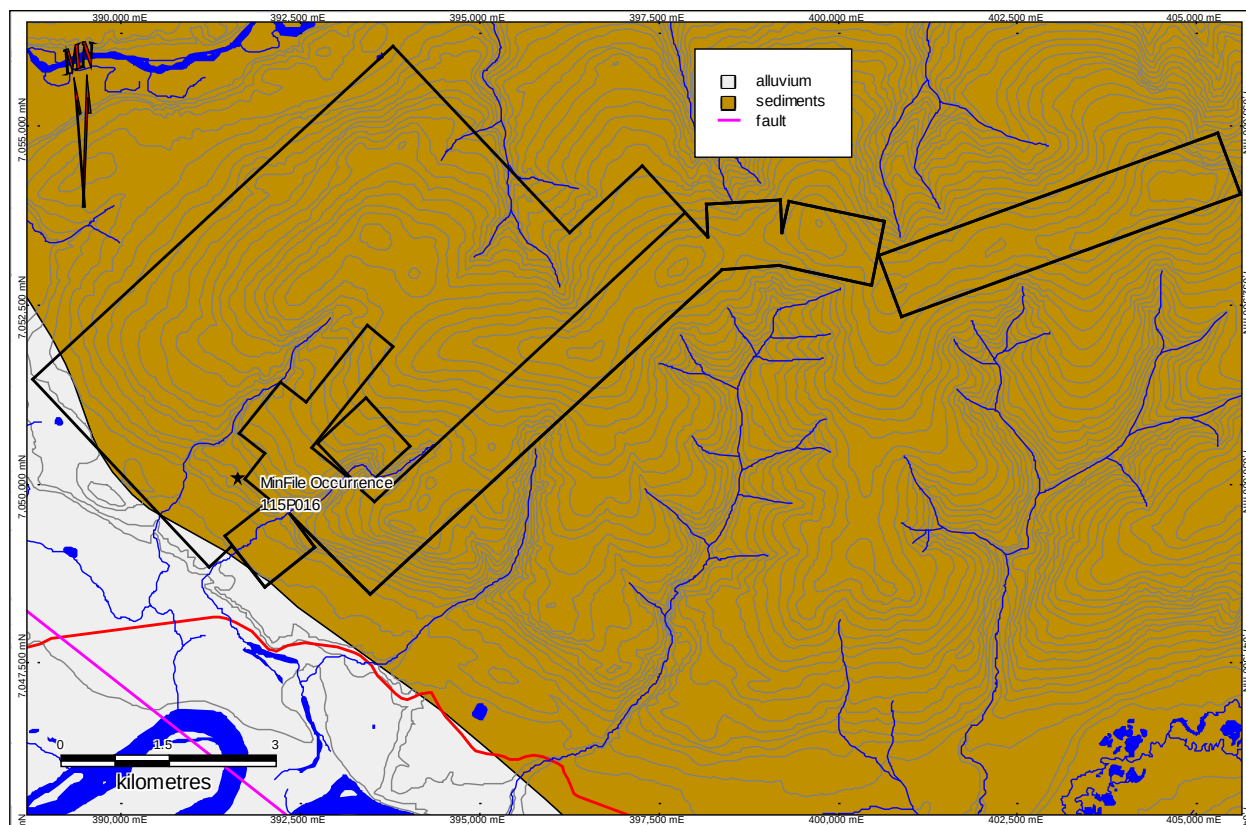


Figure 5. Property Geology

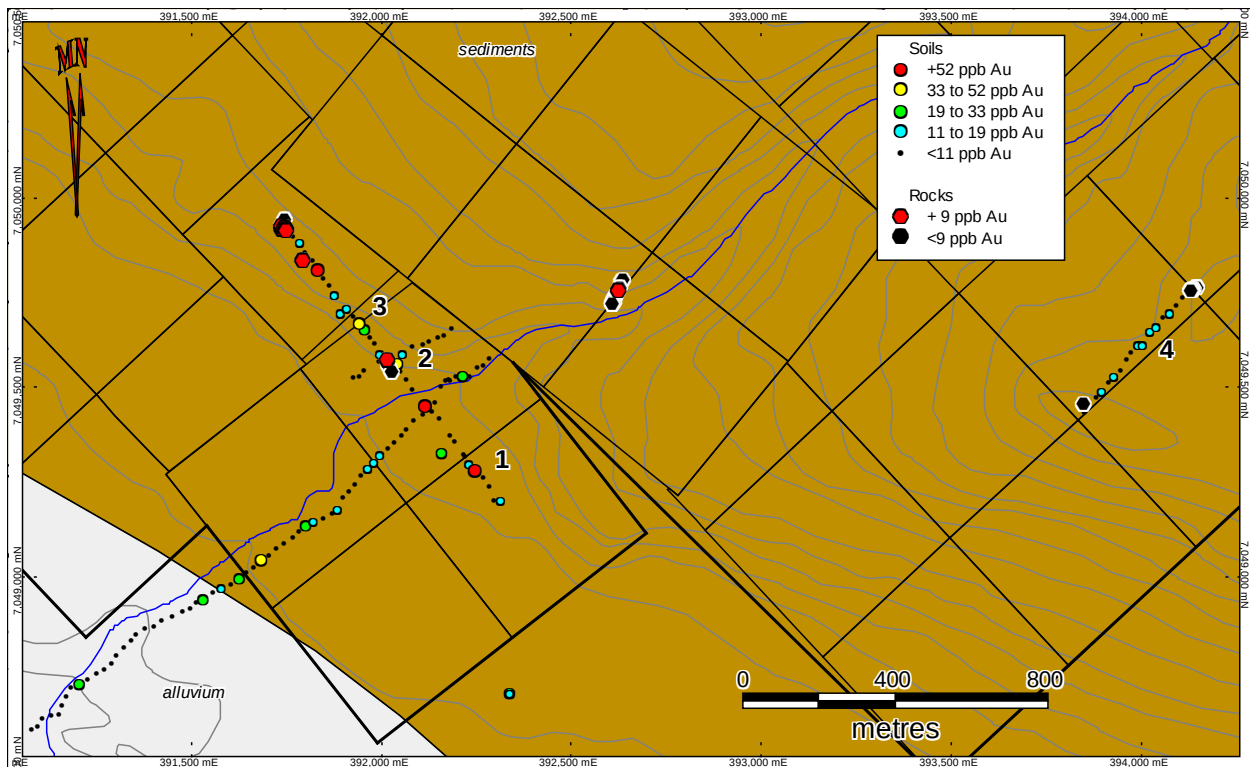
Geology of the Dragon Claims

The Dragon claims have not been mapped and the author has not yet visited the property. According to Gordy and Makepeace (2003) the claims are entirely underlain by the upper Proterozoic to lower Cambrian largely clastic sediment package. The Yukon Geological Survey Minfile occurrence 115P016 appears to lie proximal to the southwestern boundary of the Dragon Claims (Figure 4) and describes a strongly altered and bleached granitic dyke or small stock. This suggests the presence of a Tombstone intrusion within or proximal to the Dragon claims.

Mineralization

Bedrock mineralization has yet to be found on the Dragon property. Exploration to date has been confined to the southwest section of the property and has been confined to small auger soil sampling and grab rock soil sampling.

Eight of the 32 rock samples taken returned weakly to moderately gold values ranging from a low of 9 ppb Au to a maximum of 128 ppb Au. Rock descriptions are not available.



UTM NAD 83 Zone 8

Figure 6. Mineralization

The soil sampling consisted of reconnaissance auger lines. Four areas of semi-continuously to continuously weakly to strong anomalous gold values were identified ranging in length from 25 to 125 metres:

5. a two station anomaly of 13 and 52 ppb Au at the southeast end of the northwest reconnaissance line.
6. a 50 by 50 metre area at the junction of the northwest reconnaissance line and a short northeast line returned continuous values of 12, 105, 36, 13, 4 and 18 ppb Au.
7. a continuous 125 metre section at the western end of the northwest reconnaissance line returned values of 16, 12, 11, 10, 41, and 24 ppb Au
8. a 125 metre section of the eastern northeast reconnaissance line returned values of 12, 15, 11, 14, 3 and 13 ppb Au

DEPOSIT TYPES

The Dragon Claims are being explored for intrusion related gold deposits. The following description of Plutonic Related Au Quartz Veins and Veinlets is condensed from British Columbia Ore Deposit Models (Lefebvre and Hart, 2005).

Gold mineralization in intrusion related gold deposits is hosted by millimetre to metre-wide quartz veins hosted by equigranular to porphyritic granitic intrusions and adjacent hornfelsed country rock. The veins are typically sheeted, though weakly developed stockworks can occur. The density of the veins and veinlets is a critical element for defining ore. Native gold occurs associated with minor pyrite, arsenopyrite, pyrrhotite, scheelite and bismuth and telluride minerals.

The gold veins are genetically related to proximal granitoid intrusions with mineralization likely forming from late stage fluids that accumulated in late-stage melts of differentiating granitic intrusions at depths of 2 to 8 km below the surface. Differentiated fluids are released along fractures that developed in response to regional stresses and faults that accommodated pluton emplacement. Locally, these fluids infiltrate permeable or reactive rock units to form replacement mineralization or skarns. Stockwork mineralization is not common, but may have higher grades due to increased vein density.

Intrusion related gold deposits are most commonly found in continental margin sedimentary assemblages where intruded by plutons behind continental margin arcs. They are typically developed late in orogeny or post-collisional settings. Intrusion related gold veins form in tensional fractures and shears within, and near, the apices of small (<3 km²) granitoid intrusions at depths of 3-8 kilometres. These deposits occur in Paleozoic to Mesozoic rocks. They also likely form in Cenozoic rocks, but they generally not yet exposed by erosion.

Intrusion related gold deposits are hosted in granitic intrusions and variably metamorphosed sedimentary rocks. The granitoid rocks are lithologically variable, but typically granodiorite, quartz monzonite to granite. Some deposits have abundant associated dykes, including lamprophyres, pegmatites and aplites. Many of the granitoid intrusions have contact metamorphic aureoles that extend up to several km from the intrusion and can be much larger than the surface exposure of the intrusion. The stocks generally intrude variably metamorphosed sedimentary rocks (sandstone, shale, carbonate), however, some cut sequences which include metavolcanic rocks.

Intrusion related gold mineralization can be divided into intrusion-related, epizonal and shear-veins. Intrusion-related mineralization typically occurs with widespread sheeted vein arrays. The arrays typically consist of numerous sheeted, or less commonly stockwork, veinlets and veins that form zones that are 10's of metres wide, and continuous for several 10's of metres. The veins are commonly hairline to centimetres wide, while some veins may be up to tens of metres thick. Epizonal mineralization is typically less focused, and may be disseminated, or occur as replacements. The thicker shear-veins veins are typically in fault zones outside of the pluton. The sheeted and stockwork zones extend up to a kilometre in the greatest dimension, while individual veins can be traced for more than a kilometre in exceptional cases. Mineralization is strongly structurally controlled and spatially related to highly differentiated granitoid intrusion.

The sheeted veins are planar and often parallel to regional structures. The veins are generally extensional with no offset of walls, although some vein systems may also include shear-hosted veins. The veins may have minor vugs and drusy quartz. While most veins and structures are steeply dipping, shallowly dipping pegmatite and quartz bodies occur in some deposits, particularly those in the plutonic apices.

Sulphide minerals are generally less than 3% and can be less than 1%. A number of deposits and intrusions have late and/or peripheral arsenopyrite, stibnite or galena veins. Native gold, sometimes visible, occurs with associated minor pyrite, arsenopyrite, loellingite, pyrrhotite, variable amounts of scheelite or more rarely wolframite, and sometimes molybdenite, bismuthinite, native bismuth, maldonite, tellurobismuthinite, bismite, tellurides, tetradymite, galena and chalcopyrite. Epizonal veins are arsenopyrite-pyrite rich and lack associated Bi, Te and W minerals. The thicker, solitary veins typically contain higher percentages (<20%) of sulphide minerals. Generally, sulphide mineral content is higher in veins hosted in the country-rocks.

Quartz is the dominant gangue mineral with associated minor sericite, alkali feldspar, biotite, calcite and tourmaline. In some deposits the quartz veins grade into pegmatite dykes along strike - a relationship that has been referred to as vein-dykes or pegmatite veins. The pegmatites in some deposits can carry significant amounts of gold or scheelite, although they do not usually constitute ore. Many "veins" may lack gangue and are simply sulphide mineral coatings on fracture surfaces.

Intrusion related gold deposits are characterized by relatively restricted alteration zones which are most obvious as narrow alteration selvages along the veins. The alteration generally consists of the same non-sulphide minerals as occur in the veins, typically albite, potassium feldspar, biotite, sericite, carbonate (dolomite) and minor pyrite. Pervasive alteration, dominated by sericite, only occurs in association with the best ore zones. The wall rocks surrounding the granitoid intrusions are typically hornfelsed and if carbonaceous, contain disseminated pyrrhotite. Alteration appears to be more extensive with shallow depths of emplacement or greater distances from the intrusion. Epizonal deposits may have clay alteration minerals.

The quartz veins resist weathering and can form linear knobs. Since alteration zones are frequently weak and the veins often contain only minor sulphide minerals, associated gossans or colour anomalies are rare. However, oxidized sulphide-rich epizonal mineralization may yield gossans.

Placer gold in creeks draining plutons or hornfels is the best geochemical indicator. Analysis of heavy mineral or silt samples for W, Au, As and Bi is particularly effective. Elevated values of Au-W-Bi-As $\pm$ (Sn-Sb-Ag-Mo-Cu-Pb-Te-Zn) can be found in stream sediments, soils and rocks. Aeromagnetic data may be entirely flat as reduced granites have no magnetic signature. If the country rocks are reducing (e.g. carbonaceous), aeromagnetic signatures may produce “donut” anomalies with high magnetic values associated with pyrrhotite in the contact metamorphic zone fringing a non- magnetic intrusion.

The bulk mineable, intrusion-hosted low grade sheeted vein deposits contain tens to hundreds of million tonnes of ~ 0.8 to 1.4 g/t Au. The epizonal deposits have slightly higher grades, $2-5$ g/t Au and the shear veins can form high grade deposits containing hundreds of thousands to millions of tonnes grading ~ 10 to 35 g/t Au. Gold to silver ratios are typically less than 1. Some gold producing veins have produced W when it was deemed a strategic metal or it reached unusually high commodity prices.

EXPLORATION

The 2012 exploration program consisted of auger soil sampling and rock sampling. A total of 151 auger soil samples were taken from a series of northwest and one northeast trending lines. There is some discrepancy with the location of the claim posts and the claims on the Yukon government website which resulted in some of the samples plotting outside of the claims. The registered owner, who took the samples, recorded the locations with a hand held GPS unit in the datum of Lat Long WGS 84. These samples were taken with the claim boundaries as determined from the actual claim posts. In addition, 32 grab rock samples were taken by the registered owner. There were no rock sample descriptions provided to the author to go with the assay values.

The auger soil sampling was completed at 25 metre sample spacings along pre-determined lines. Each soil line was flagged and sampled at 25 metre intervals along the line measured with a hip chain. At each sample location the auger penetrated the overburden and felsenmeer until bedrock was contacted. The auger was then brought to surface and the last 30 centimetres of material was placed in a pre-numbered Kraft soil bag. Each sample location was marked as a waypoint in a GPS unit in the map datum NAD 83.

The rock sampling consisted of grab samples taken from float or outcrop. One to two kilograms of material were taken from each location and placed in a poly sample bag, which was then sealed with flagging tape. Each sample location was marked as a waypoint in a GPS unit in the map datum NAD 83.

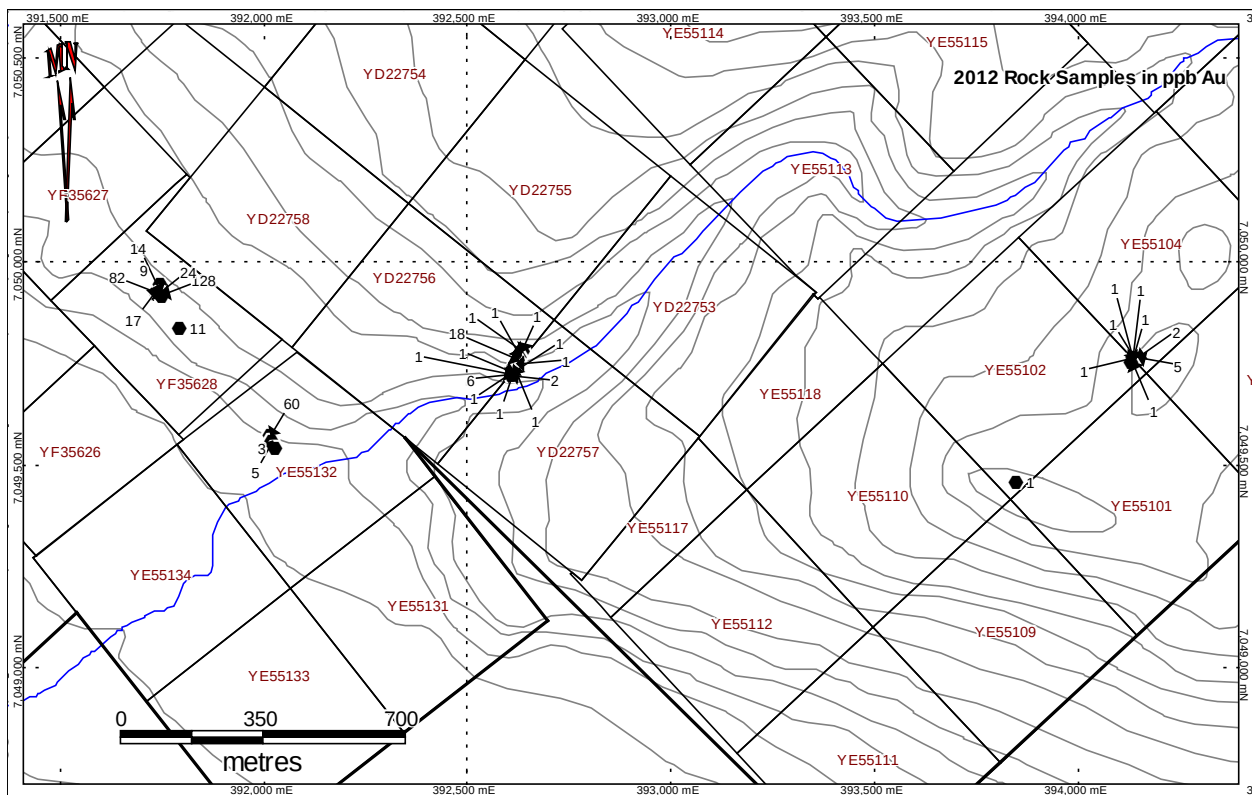
The author cannot comment on any sampling or recovery factors that could materially impact the accuracy and reliability of the assay results. The author believes the soil samples taken by registered owner and his assistant to be representative and unbiased as they were blind samples of soil taken at regular intervals. The author cannot comment on any sampling bias for the rock sampling portion of the program.

Table 2. 2012 Rock Sample Table

Sample	Latitude	Longitude	ppm Au	ppb Au	ppm Ag	ppm As	ppm Cu	ppm Pb	ppm Zn
FR ROCK 2	63.5608	-137.1795	0.024	24	80.5	37	1400	219	6790
FR ROCK 3	63.5609	-137.1795	0.017	17	12.5	39	138	217	1250
FR ROCK 4	63.5610	-137.1794	0.009	9	23.2	90	857	213	3960
FR ROCK 5	63.5609	-137.1794	0.014	14	12.2	40	128	203	1160
FR ROCK 6	63.5608	-137.1793	0.128	128	26.8	368	778	257	1070
FR ROCK 7	63.5608	-137.1793	0.082	82	25.5	374	813	261	1070
DR-1 / TOP	63.5573	-137.1368	<0.001	1	2.5	21	205	108	630
DR - 3&4 Rock Pit	63.5602	-137.1310	0.002	2	0.3	10	145	22.3	1140
FR - 2 Cut Bank	63.5601	-137.1784	0.011	11	18.7	1	746	175	2490
AL-8-N Outcrop #1	63.5578	-137.1737	0.06	60	4.3	276	141	99.3	970
AL-8-N Outcrop #2	63.5577	-137.1737	0.005	5	<0.2	12	9.9	7.4	167
AL-8-N Outcrop #3	63.5575	-137.1735	0.003	3	0.7	279	26.5	30.4	348
DR-3-6-4 #1	63.5602	-137.1310	0.005	5	25.9	<1	955	131	5350
DR-3-6-4 #2	63.5601	-137.1310	<0.001	1	<0.2	2	86.4	3.6	28.6
DR-3-6-4 #3	63.5601	-137.1311	<0.001	1	<0.2	<1	131	14.2	85.1
DR-3-6-4 #4	63.5601	-137.1312	<0.001	1	<0.2	<1	102	11.2	36
DR-3-6-4 #5	63.5601	-137.1312	<0.001	1	<0.2	28	21.2	5.8	31.8
DR-3-6-4 #6	63.5601	-137.1313	<0.001	1	<0.2	<1	114	4.7	22.9
DR-3-6-4 #7	63.5601	-137.1313	<0.001	1	0.3	<1	90.6	589	299
Outcrop East #1	63.5599	-137.1614	<0.001	1	<0.2	3	28.4	11.8	55.9
Outcrop East #2	63.5598	-137.1615	0.001	1	<0.2	4	24.3	7.8	46.2
Outcrop East #3	63.5597	-137.1615	<0.001	1	<0.2	24	45.8	3.7	134
Outcrop East #4	63.5596	-137.1616	0.018	18	2	<1	119	24.8	67.3
Outcrop East #5	63.5595	-137.1617	<0.001	1	<0.2	11	62	18.8	84.8
Outcrop East #6	63.5595	-137.1618	<0.001	1	<0.2	1	22.8	4.4	32.9
Outcrop East #7	63.5594	-137.1618	<0.001	1	<0.2	120	142	17.2	157
Outcrop East #8	63.5594	-137.1618	<0.001	1	0.5	<1	226	30.7	172
Outcrop East #9	63.5594	-137.1618	<0.001	1	<0.2	53	80	8.2	137
Outcrop East #10	63.5593	-137.1619	0.006	6	<0.2	3	49.4	7.4	82.4
Outcrop East #11	63.5593	-137.1619	0.001	1	2	6	248	7.1	57.8
Outcrop East #12	63.5593	-137.1619	0.002	2	<0.2	<1	60	8.3	98.1
Outcrop East #13	63.5593	-137.1619	<0.001	1	<0.2	<1	94	7.8	124

The author has not yet visited the property so he is unsure of lithologies present. Based on the MINFILE occurrence summary and the regional geological maps, the lithologies present on the Dragon property: clastic and limey metasediments and a bleached granite. There has not yet been bedrock mineralization located on the Dragon property. The exploration target is intrusion related gold deposits.

The results from the rock sampling are shown in Table 2 and plotted in Figure 7. Again, no descriptions of the samples were made available to the author.



UTM NAD 83 Zone 8

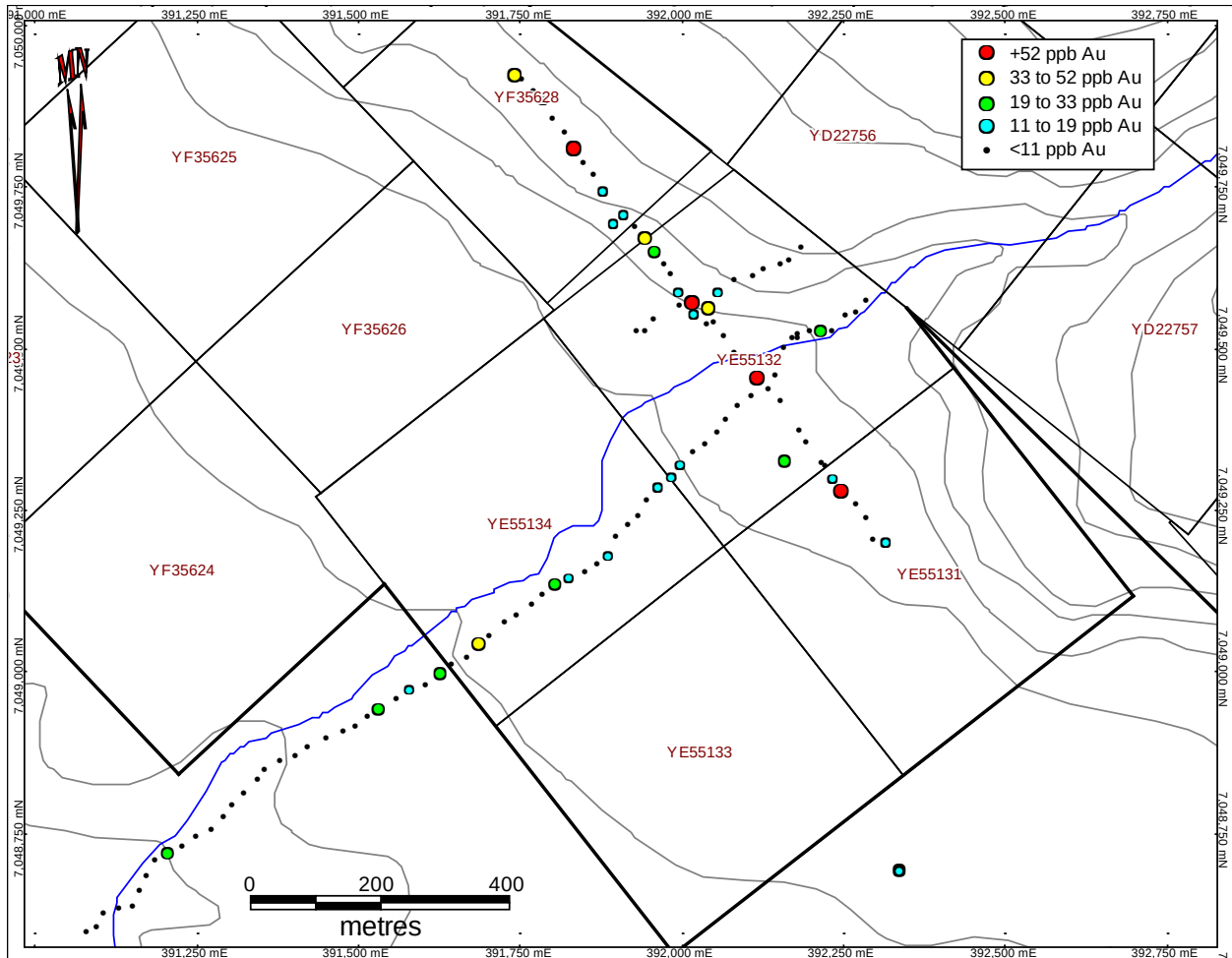
Figure 7. 2012 Rock Samples

A number of the samples taken from Tenure YF35628 appear to be anomalous in gold. These are samples FR Rock 2 to FR Rock 7. The values from the 6 samples ranged from a low of 9 ppb Au to a high of 128 ppb Au. An anomalous value of 60 ppb Au (AL-8-N Outcrop #1) was returned from a sample taken on Tenure YE55132, approximately 470 metres southeast of the FR Rock samples on Tenure YF35628. Two samples from a series of 13 samples taken on Tenure YD22757 returned a moderately anomalous value of 18 ppb Au (Outcrop East #4) and a weakly anomalous value of 6 ppb Au (outcrop East #10).

Table 3. Geochemistry Statistics

Percentile	75th	90th	95th	98th	maximum
ppb Au	11	19	33	52	105

The statistics of the gold soil sampling is shown in Table 3. Based on the 151 auger soil samples, values in excess of 11 ppb Au are considered anomalous. The maximum value returned was 105 ppb Au. The results have been plotted on two maps, Figures 8 and 9.



UTM NAD 83 Zone 8

Figure 8. 2012 Auger Soil Sampling (West)

The western soil sampling consisted of one 1550 metre northeast trending line, one 900 metre northwest trending cross line and a second short 300 metre northeast trending line. Most of the main northeast trending line exhibited only scattered weakly anomalous gold values. Most of the northwest trending line exhibit scattered weakly to moderately anomalous gold values, though three sections of the line returned continuous to semi-continuous sections of weakly to strongly anomalous gold values.

The first section is a two station anomaly of 13 and 52 ppb Au at the southeast end of the line (Al#15, Al#16) The second is a 50 by 50 metre area where the cross line and the second northeast line intersect. Values of 12, 105, 36, 13, 4 and 18 ppb Au were recorded in this area (Frank 18, Al 1, Al 1 north 1, Al 1 north 2, Al 1 south 1, Al 1 south 2). The third area is a continuous 125 metre section of weakly to moderately anomalous gold values of 16, 12, 11, 10, 41, and 24 ppb Au (Frank 10 to Frank 15).

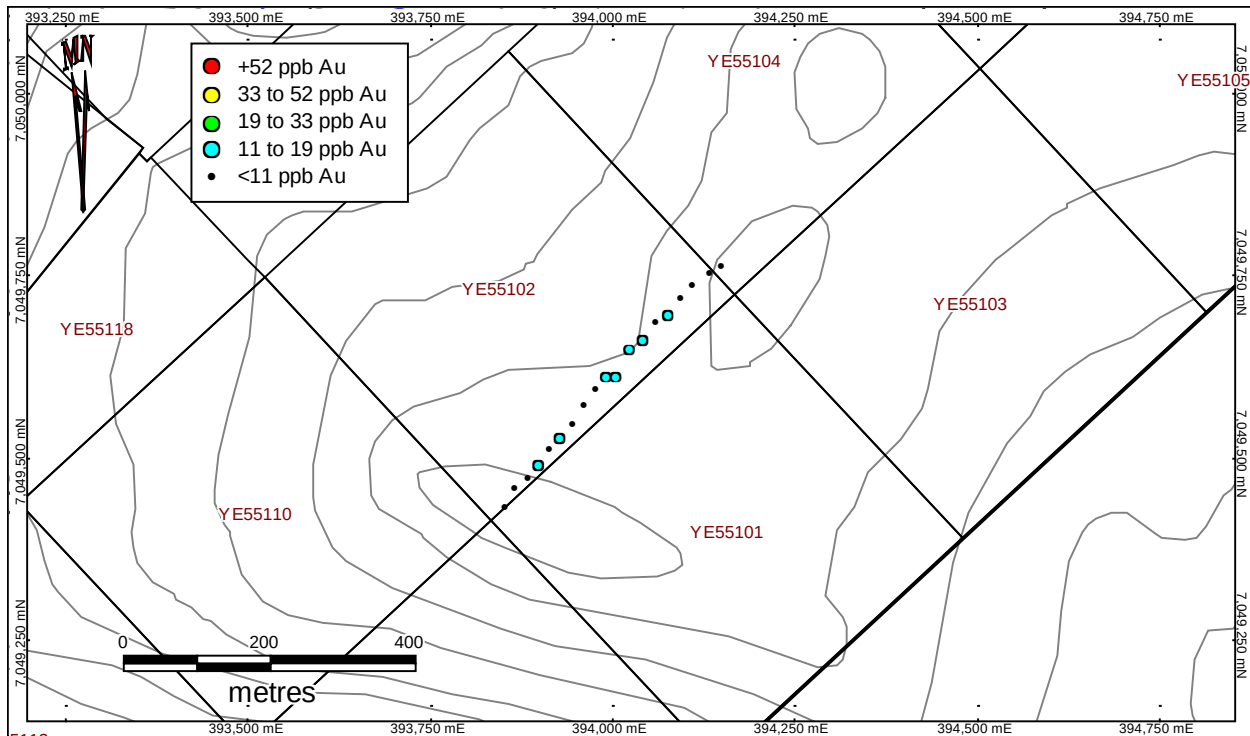


Figure 9. 2012 Auger Soil Sampling (East)

One additional strongly anomalous spot value was located at the junction of the main northeast trending line and the northwest trending cross line: Al#7 returning 55 ppb Au.

The sampling on the eastern line located a 125 metre stretch of continuous weakly anomalous gold values in order west to east of 12, 15, 11, 14, 3 and 13 ppb Au (Dragon 1-10 to Dragon 1-15).

DRILLING

There has not been any drilling completed on the Dragon property.

SAMPLE PREPARATION, ANALYSIS AND SECURITY

The author cannot comment on the sample security as he was not present when the samples were taken. The author assumes after the samples were taken by the registered owner and his assistant they were delivered to AGAT Laboratories in Whitehorse, Yukon.

All samples from the 2012 exploration program were analyzed at AGAT Laboratories in Whitehorse, Yukon, an ISO 9001 certified lab. The sample preparation procedures follow. Soil samples are first dried at 60°C and sieved at -80 mesh to obtain a 100 gram pulp. A 1.5 gram sub-sample is leached with 3:1 hot mixture of hydrochloric and nitric acids and analyzed on an ICP-OES unit. A second 30 gram pulp is fire assayed and analyzed for gold on an ICP-OES unit.

Rock samples are crushed to 75% passing through a 10 mesh screen. A 250 gram split is pulverized to 85% passing through a 150 mesh screen. A 1.5 gram sub-sample is leached with 3:1 hot mixture of hydrochloric and nitric acids and analyzed on an ICP-OES unit. A second 30 gram pulp is fire assayed and analyzed for gold on an ICP-OES unit.

The exploration programs completed by the registered owner are preliminary surveys. The registered owner did not employ any quality control procedures and relied on the quality control procedures employed by AGAT Laboratories. AGAT completed duplicate analyses of the same sample at a rate of one every twelve samples. The results are summarized in Table 4.

Table 4. Summary of AGAT QA/QC Analyses

		ppb Au				ppb Au	
Certificate	Lab Number	Original	Duplicate	Certificate	Lab Number	Original	Duplicate
12Y621626	3529410	0.096	0.035	12Y632730	3629369	0.004	0.008
12Y621631	3529437	0.105	0.013	12Y632730	3629382	0.0024	0.0027
12Y621631	3529450	0.002	0.046	12Y642181	3709638	0.06	0.06
12Y621631	3529464	0.0065	0.0072	12Y642181	3709649	< 0.001	< 0.001
12Y632721	3629297	< 0.001	< 0.001	12Y642181	3709661	< 0.001	< 0.001
12Y632730	3629319	0.0042	0.0032	12Y642186	3709754	0.036	0.01
12Y632730	3629331	0.007	0.006	12Y642186	3709767	0.0044	0.0048
12Y632730	3629356	0.006	0.008	12Y642186	3709780	0.003	0.005
				12Y642186	3709792	0.004	0.004

DATA VERIFICATION

The author applied minimal verification procedures as he is writing the report only for assessment requirements. The author has not visited the property and did not supervise the collection of the samples. However, a review of the assay data shows no irregularities in the author's opinion.

The author is therefore satisfied that the data is adequate for the exploration programs it supports for the purpose of this technical report.

MINERAL PROCESSING AND METALLURGICAL TESTING

There has been no mineral processing or metallurgical testing undertaken on the Dragon property.

MINERAL RESOURCES AND MINERAL RESERVE ESTIMATES

There are presently no mineral reserves or mineral resources on the Dragon property.

ADJACENT PROPERTIES

The author is not relying on information from adjacent properties.

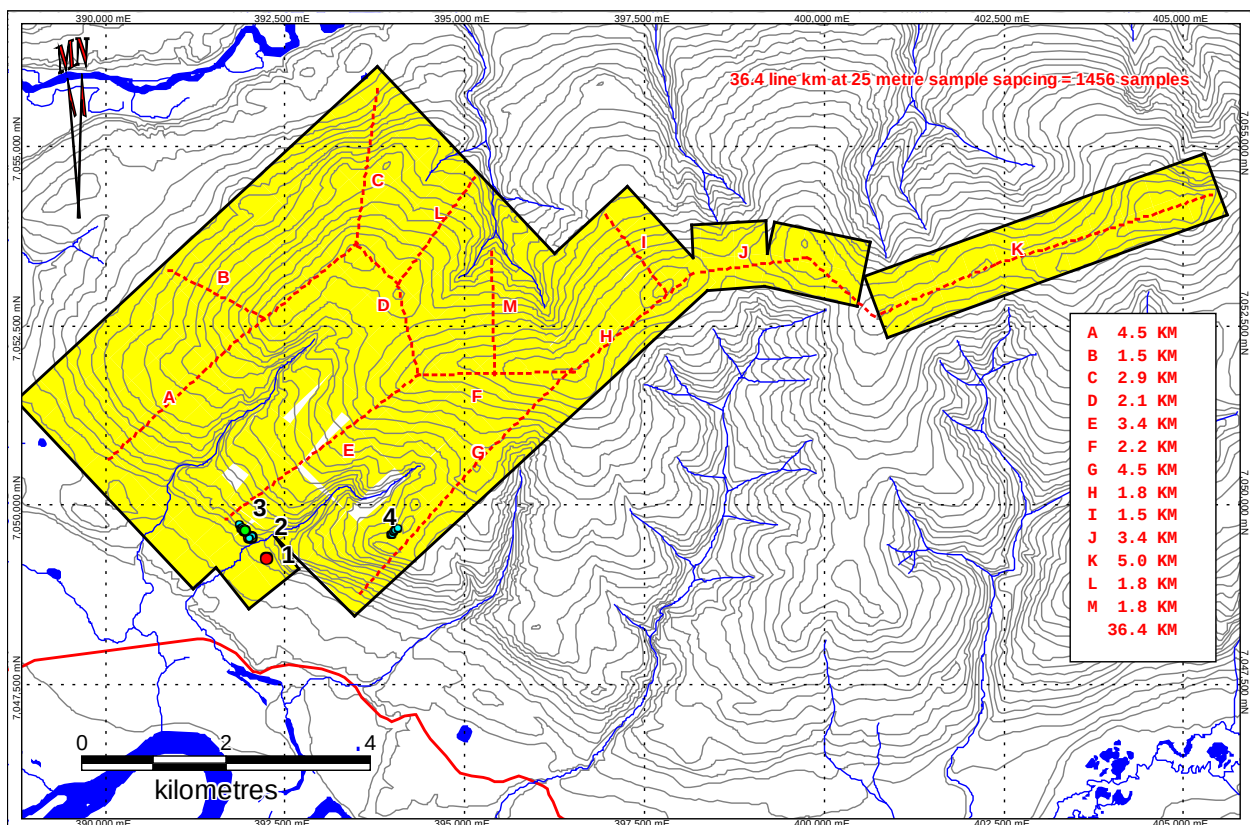


Figure 10. Recommended Work Program

OTHER RELEVANT DATA AND INFORMATION

There is no additional relevant data or information known that is not disclosed on the Dragon property.

INTERPRETATION AND CONCLUSIONS

The 2012 exploration program completed on the Dragon claims was a preliminary program. However, the limited auger soil sampling and rock grab sampling provided considerable encouragement as several areas of anomalous gold in soil were identified.

The location of the Dragon claims within the Tombstone Gold Belt and the proximity of a bleached granitic intrusion in the general area of the claim block further enhance the potential of the Dragon property.

Table 5. Recommended Exploration Budget

Project Manager	6	days	@	\$ 750	/day	\$ 4,500
Senior geologist	25	days	@	\$ 650	/day	\$ 16,250
Field geologist	25	days	@	\$ 550	/day	\$ 13,750
Field assistant	25	days	@	\$ 450	/day	\$ 11,250
Field assistant	25	days	@	\$ 400	/day	\$ 10,000
Field assistant	25	days	@	\$ 400	/day	\$ 10,000
Room & Board	131	days	@	\$ 200	/day	\$ 26,200
Vehicle + Fuel	31	days	@	\$ 200	/day	\$ 6,200
Analysis - soil	1500	sample	@	\$ 24	/sample	\$ 36,000
Analysis - rock	100	sample	@	\$ 35	/sample	\$ 3,500
Data verification	30	sample	@	\$ 30	/sample	\$ 900
Helicopter	25	days	@	\$ 1,400	/day	\$ 35,000
Travel						\$ 25,000
Sundries						\$ 2,500
Documentation						\$ 10,000
Contingency						\$ 28,950
Total Budget						\$ 240,000

Further exploration is therefore recommended and should consist of further auger soil sampling along the ridgelines over the entire property and detailed prospecting of the 4 anomalous zones identified by the sampling program.

RECOMMENDATIONS

A program of ridge line auger soil sampling across the entire Dragon property and detailed prospecting of the current gold in soil anomalies is recommended as the next phase of exploration at the Dragon property.

A total of 36.4 line kilometres of auger soil sampling at 25 metre sample spacings is required to adequately cover the entire claim group as shown in Figure 10. In addition, detailed prospecting needs to be undertaken in the 4 anomalous areas as shown on Figure 10 (numbers 1 through 4).

The cost of the recommended exploration program is estimated at \$240,000 as detailed in Table 5.

REFERENCES

Gordey, S.P. and Makepeace, A.J., (compilers), 2003. Yukon Digital Geology; Geological Survey of Canada, Open File 1749 and Geological Survey Open File 2003-9(D).

Hart, C.J.T. (2006). Tombstone Gold Belt. Yukon Geological Survey Brochure 2006-6

Lefebure, D.V. and Hart, C.J.T. (2005): Plutonic Related Au Veins and Veinlets.

http://www.geology.gov.yk.ca/pdf/102_plutonic_related_au_quartz_veins_and_veinlets.pdf

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STATEMENT OF COSTS

June 26 to July 24 2012						
Don Hutton	14	days	@	\$300	/ day	\$4,200
Albert Peter	14	days	@	\$200	/ day	\$2,800
Room and Board	24	man days	@	\$160	/ day	\$3,840
Vehicles	12	days	@	\$100	/ day	\$1,200
Analyses						
Soils	48	soils	@	\$30	/ sample	\$1,440
Rocks	7	rocks	@	\$30	/ sample	\$210
July 25 to September 12 2012						
Don Hutton	18	days	@	\$300	/ day	\$5,400
Albert Peter	18	days	@	\$200	/ day	\$3,600
Room and Board	32	man days	@	\$160	/ day	\$5,120
Vehicles	32	days	@	\$100	/ day	\$3,200
Analyses						
Soils	95	soils	@	\$30	/ sample	\$2,850
Rocks	38	rocks	@	\$30	/ sample	\$1,140
Report						\$2,500
Total Cost						\$37,500

CERTIFICATE OF QUALIFIED PERSON

I, R.Tim Henneberry, P.Geo., a consulting geologist residing at of 2446 Bidston Road, Mill Bay, B.C. V0R 2P4 do hereby certify that: I am the Qualified Person for:

Golden Dragon Mining Inc.
Box 172
Mayo, Yukon Territory Y0B 1M0

I earned a Bachelor of Science Degree majoring in geology from Dalhousie University, graduating in May 1980.

I am registered with the Association of Professional Engineers and Geoscientists in the Province of British Columbia as a Professional Geoscientist.

I have practiced my profession continuously for 32 years since graduation.

I have read the definition of “qualified person” set out in National Instrument 43-101 (“NI 43-101”) and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a “qualified person” for the purposes of NI 43-101. My relevant experience for the purpose of this Technical Report is:

- 32 years of exploration experience for base and precious metals in the Western Cordillera

I am responsible for the preparation of the technical report titled “2012 Geochemical Report Dragon Property” and dated January 12, 2013 relating to the Dragon property. I have yet to visit the Dragon Property.

I have had no prior involvement with the property that is the subject of the Technical Report.

As of January 12, 2013, to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

I currently hold a 50% interest in the Dragon 101-234 claims. Mr. Hutton and Golden Dragon Mining Inc. is currently in process to purchase this interest in its entirety. However, at the date of this report, I am not independent of the property after applying all of the tests in section 1.4 of NI 43-101.

I have read NI 43-101 and Form 43-101F, and the Technical Report has been prepared in compliance with that instrument and form.

I make this Technical Report effective January 12, 2013.

“signed and sealed”

R.Tim Henneberry, P.Geo

Sample	Latitude	Longitude	Number	Sample 2	Certificate	ppm Au	ppb Au	ppm Ag	% Al	ppm As	ppm B	ppm Ba	ppm Be	ppm Bi	% Ca	ppm Cd	ppm Ce	ppm Co	ppm Cr	ppm Cu	% Fe	ppm Ga	ppm Hg	ppm In	% K
			3529410	FR ROCK 1	12Y621626	0.096	96	2.9	0.23	14	7	37	<0.5	2	9.19	<0.5	38	7.7	69.3	289	2.86	<5	<1	<1	0.05
FR ROCK 2	63.5608	-137.1795	3529411	FR ROCK 2	12Y621626	0.024	24	80.5	0.35	37	88	56	0.7	101	4.92	157	198	45.5	43.9	1400	21	43	<1	20	0.19
FR ROCK 3	63.5609	-137.1795	3529412	FR ROCK 3	12Y621626	0.017	17	12.5	2.16	39	12	133	0.9	39	11.4	4.3	25	10.4	81.9	138	2.54	9	<1	2	0.82
FR ROCK 4	63.5610	-137.1794	3529413	FR ROCK 4	12Y621626	0.009	9	23.2	0.31	90	17	60	0.7	44	7.46	39.9	179	34.8	6.5	857	7.54	10	<1	21	0.08
FR ROCK 5	63.5609	-137.1794	3529414	FR ROCK 5	12Y621626	0.014	14	12.2	1.66	40	16	106	0.9	42	8.87	5.3	23	10	77.2	128	1.81	9	1	1	0.62
FR ROCK 6	63.5608	-137.1793	3529415	FR ROCK 6	12Y621626	0.128	128	26.8	1.24	368	14	62	0.8	59	8.94	5.1	49	18	50.1	778	1.8	7	<1	60	0.49
FR ROCK 7	63.5608	-137.1793	3529416	FR ROCK 7	12Y621626	0.082	82	25.5	1.46	374	11	69	0.7	59	9.98	4.2	48	18.2	45.1	813	2.23	8	<1	59	0.58
DR-1 / TOP	63.5573	-137.1368	3629297	DR-1 / TOP	12Y632721	<0.001	1	2.5	3.23	21	<5	128	1.1	<1	0.51	2.7	126	31.4	77.2	205	8.23	23	<1	<1	0.33
DR - 3&4 Rock Pit	63.5602	-137.1310	3629298	DR - 3&4 Rock Pit	12Y632721	0.002	2	0.3	1.93	10	<5	37	0.7	<1	0.35	4.9	22	20.9	95.1	145	5.93	14	<1	1	0.22
FR - 2 Cut Bank	63.5601	-137.1784	3629299	FR - 2 Cut Bank	12Y632721	0.011	11	18.7	3.52	1	14	144	2	33	4.45	23.1	62	15.2	94.4	746	11.1	34	<1	15	1.49
AL-8-N Outcrop #1	63.5578	-137.1737	3709638	AL-8-N Outcrop #1	12Y642181	0.06	60	4.3	0.39	276	<5	46	<0.5	13	0.08	7.2	7	15.7	671	141	7.44	8	<1	1	0.06
AL-8-N Outcrop #2	63.5577	-137.1737	3709639	AL-8-N Outcrop #2	12Y642181	0.005	5	<0.2	0.39	12	<5	47	<0.5	3	0.03	<0.5	6	3.5	60.7	9.9	1.23	<5	<1	<1	0.1
AL-8-N Outcrop #3	63.5575	-137.1735	3709640	AL-8-N Outcrop #3	12Y642181	0.003	3	0.7	0.87	279	<5	52	<0.5	3	0.04	1.7	2	13.4	296	26.5	2.99	10	<1	<1	0.02
			3709641	Creek Cutbank #1	12Y642181	0.001	1	<0.2	0.1	6	<5	21	<0.5	<1	0.43	0.5	6	1.5	51.7	5.1	0.77	<5	<1	<1	0.01
DR-3-6-4 #1	63.5602	-137.1310	3709642	DR-3-6-4 #1	12Y642181	0.005	5	25.9	0.22	<1	29	61	1.1	<1	4.37	150	140	130	15.1	955	20.2	6	<1	<1	0.28
DR-3-6-4 #2	63.5601	-137.1310	3709643	DR-3-6-4 #2	12Y642181	<0.001	1	<0.2	0.72	2	<5	16	0.6	<1	0.61	1.1	8	8.6	56.8	86.4	1.6	<5	<1	<1	0.09
DR-3-6-4 #3	63.5601	-137.1311	3709644	DR-3-6-4 #3	12Y642181	<0.001	1	<0.2	4.63	<1	<5	375	1.2	<1	0.33	3	10	20.6	123	131	7.28	19	<1	<1	1.96
DR-3-6-4 #4	63.5601	-137.1312	3709645	DR-3-6-4 #4	12Y642181	<0.001	1	<0.2	2.98	<1	<5	70	1.1	17	0.39	2.5	3	10.2	92.6	102	5.62	15	<1	<1	0.15
DR-3-6-4 #5	63.5601	-137.1312	3709646	DR-3-6-4 #5	12Y642181	<0.001	1	<0.2	0.9	28	<5	26	<0.5	4	0.07	0.6	25	5.5	58.6	21.2	1.81	<5	<1	<1	0.18
DR-3-6-4 #6	63.5601	-137.1313	3709647	DR-3-6-4 #6	12Y642181	<0.001	1	<0.2	0.81	<1	<5	25	0.7	<1	0.53	0.9	4	4.1	42.5	114	1.69	5	<1	<1	0.07
DR-3-6-4 #7	63.5601	-137.1313	3709648	DR-3-6-4 #7	12Y642181	<0.001	1	0.3	3.66	<1	<5	91	1.2	<1	0.34	2.7	10	14.1	98.1	90.6	6.32	17	<1	<1	0.7
Outcrop East #1	63.5599	-137.1614	3709649	Outcrop East #1	12Y642181	<0.001	1	<0.2	1.32	3	<5	36	<0.5	1	0.07	1	33	8.7	52.3	28.4	2.72	7	3	<1	0.21
Outcrop East #2	63.5598	-137.1615	3709650	Outcrop East #2	12Y642181	0.001	1	<0.2	1.42	4	<5	52	1	<1	0.09	1.1	26	7.2	50.3	24.3	2.81	6	<1	<1	0.38
Outcrop East #3	63.5597	-137.1615	3709651	Outcrop East #3	12Y642181	<0.001	1	<0.2	1.26	24	<5	49	0.6	4	0.03	1.4	8	16.7	83.3	45.8	3.42	6	<1	<1	0.22
Outcrop East #4	63.5596	-137.1616	3709652	Outcrop East #4	12Y642181	0.018	18	2	0.57	<1	<5	35	0.6	15	0.02	0.9	8	3.5	61.8	119	2.45	<5	<1	2	0.15
Outcrop East #5	63.5595	-137.1617	3709653	Outcrop East #5	12Y642181	<0.001	1	<0.2	1.62	11	<5	72	0.5	5	0.07	1	16	7.7	57.2	62	3.47	7	4	<1	0.25
Outcrop East #6	63.5595	-137.1618	3709654	Outcrop East #6	12Y642181	<0.001	1	<0.2	1.01	1	<5	23	<0.5	<1	0.04	0.8	26	9.3	43.1	22.8	2.25	<5	7	<1	0.13
Outcrop East #7	63.5594	-137.1618	3709655	Outcrop East #7	12Y642181	<0.001	1	<0.2	2.95	120	<5	159	1.5	14	0.08	1.9	53	19.9	68	142	5.56	10	<1	5	1.05
Outcrop East #8	63.5594	-137.1618	3709656	Outcrop East #8	12Y642181	<0.001	1	0.5	2.78	<1	<5	67	0.6	16	0.12	2.3	21	16.6	51	226	5.8	15	2	<1	0.26
Outcrop East #9	63.5594	-137.1618	3709657	Outcrop East #9	12Y642181	<0.001	1	<0.2	2.59	53	<5	106	1	13	0.06	1.8	41	12.1	67.4	80	4.28	8	<1	<1	0.46
Outcrop East #10	63.5593	-137.1619	3709658	Outcrop East #10	12Y642181	0.006	6	<0.2	2.8	3	<5	47	1	11	0.07	1.9	59	15.5	52.8	49.4	5.33	10	<1	<1	0.31
Outcrop East #11	63.5593	-137.1619	3709659	Outcrop East #11	12Y642181	0.001	1	2	1.29	6	<5	47	0.5	2	0.77	1	24	10.9	51	248	2.38	7	<1	<1	0.3
Outcrop East #12	63.5593	-137.1619	3709660	Outcrop East #12	12Y642181	0.002	2	<0.2	2.65	<1	<5	82	0.8	<1	0.15	1.8	27	13.7	61.2	60	4.8	11	<1	<1	0.39
Outcrop East #13	63.5593	-137.1619	3709661	Outcrop East #13	12Y642181	<0.001	1	<0.2	2.98	<1	<5	84	1.1	26	0.14	2.6	37	17.1	58.6	94	5.21	11	<1	<1	0.55

ppm La	ppm Li	% Mg	ppm Mn	ppm Mo	5 Na	ppm Ni	ppm P	ppm Pb	ppm Rb	% S	ppm Sb	ppm Sc	ppm Se	ppm Sn	ppm Sr	ppm Ta	ppm Te	ppm Th	% Ti	ppm Tl	ppm U	ppm V	ppm W	ppm Y	ppm Zn	ppm Zr
15	6	0.01	559	1.6	<0.01	2.9	25	30	15	0.023	7	4.1	<10	<5	16.1	<10	<10	<5	<0.01	<5	<5	3.8	1	67	890	<5
83	4	<0.01	>10000	<0.5	0.02	15.5	88	219	22	0.122	23	10.5	26	6	196	55	<10	<5	<0.01	<5	442	19.6	<1	118	6790	6
10	48	0.27	1850	1.5	0.01	12.3	151	217	308	0.02	16	6.1	<10	11	7.8	<10	<10	<5	0.02	<5	9	56.4	<1	51	1250	<5
64	3	0.02	>10000	0.6	<0.01	10.3	179	213	11	0.026	24	10.8	<10	<5	39	13	<10	<5	<0.01	23	7	16.4	<1	115	3960	<5
9	36	0.23	1320	1.5	<0.01	11.2	137	203	292	0.018	14	5.8	<10	10	6.5	<10	<10	<5	0.01	<5	8	53.7	<1	50	1160	<5
18	11	0.07	520	1.3	<0.01	3.8	90	257	162	0.03	53	8.9	<10	20	6.7	<10	<10	<5	0.01	<5	<5	28.9	<1	88	1070	<5
18	12	0.07	526	1.7	<0.01	3.8	73	261	149	0.029	54	8.6	<10	20	8.6	<10	<10	<5	0.01	6	<5	27.4	<1	85	1070	<5
55	118	1.1	2770	0.5	<0.01	45.9	372	108	71	0.037	2	7.7	<10	<5	14.5	<10	<10	10	0.01	22	<5	103	<1	31	630	6
8	52	0.67	2150	0.8	<0.01	40.1	176	22.3	52	0.009	3	7.2	<10	<5	6.2	<10	<10	7	0.01	8	5	92.2	<1	10	1140	<5
27	61	1.17	14500	<0.5	0.1	29.5	245	175	271	0.042	14	16.5	<10	7	47.2	18	<10	7	0.26	18	5	115	<1	39	2490	<5
8	9	0.11	4070	4.8	<0.01	102	275	99.3	12	0.061	850	4.1	64	<5	9	<10	<10	<5	<0.01	49	7	42.9	<1	9	970	<5
2	13	0.22	445	3	<0.01	12.3	130	7.4	17	<0.005	3	1.4	47	<5	1.3	<10	<10	<5	<0.01	16	<5	15.4	<1	4	167	<5
2	36	0.79	230	3.5	<0.01	130	101	30.4	<10	0.008	102	2.3	29	<5	1.4	<10	<10	<5	<0.01	15	<5	23.6	<1	5	348	<5
4	2	0.04	126	6.1	<0.01	4.9	123	4.6	<10	0.009	42	0.6	<10	<5	8.5	<10	<10	<5	<0.01	84	<5	4	<1	2	26.9	<5
66	4	0.04	12600	27.4	0.02	10.8	211	131	22	0.089	85	5.7	69	<5	484	39	25	<5	<0.01	252	312	37.6	<1	96	5350	<5
4	8	0.34	573	7.8	<0.01	32.3	557	3.6	11	0.007	36	2.5	19	<5	3.7	<10	<10	<5	0.14	89	<5	48	45	4	28.6	<5
7	162	2.47	777	7.1	0.09	30	377	14.2	279	0.127	18	24.8	<10	<5	43.6	<10	<10	<5	0.36	84	<5	234	<1	6	85.1	<5
3	165	1.79	768	7.1	0.03	18.8	411	11.2	25	0.007	22	16.6	<10	<5	2.4	<10	<10	<5	0.29	104	<5	164	<1	11	36	<5
10	32	0.44	536	3.2	<0.01	10.9	265	5.8	32	<0.005	11	1.5	27	<5	1.9	<10	<10	<5	0.02	28	<5	25.4	<1	5	31.8	<5
2	8	0.26	261	6.6	<0.01	6.6	354	4.7	20	0.006	35	3	<10	<5	2.7	<10	<10	<5	0.12	88	<5	44.4	34	3	22.9	<5
7	114	1.85	696	3.1	0.01	29	633	589	139	0.009	18	14.8	<10	<5	4.3	<10	<10	<5	0.28	92	<5	159	<1	10	299	<5
12	42	0.66	790	2.8	<0.01	20	295	11.8	39	<0.005	10	1.9	33	<5	1.7	<10	<10	<5	<0.01	36	<5	34.4	<1	10	55.9	<5
9	51	0.69	597	2.9	<0.01	21.1	370	7.8	90	<0.005	<1	1.9	<10	<5	1.7	<10	<10	<5	0.05	33	<5	32.8	<1	8	46.2	<5
3	43	0.53	671	1.2	<0.01	25.9	177	3.7	46	0.006	8	2.3	<10	<5	1.9	<10	<10	<5	0.02	23	<5	32.1	<1	7	134	<5
8	11	0.16	242	1.7	<0.01	6.4	98	24.8	35	0.046	3	2.1	33	<5	1.6	<10	<10	<5	0.04	19	<5	44.7	24	4	67.3	<5
8	63	0.78	563	1.3	<0.01	14.8	427	18.8	42	0.012	4	2.2	<10	<5	5.1	<10	<10	<5	0.02	18	<5	45.8	<1	6	84.8	<5
6	36	0.5	576	2.1	<0.01	18.6	159	4.4	22	<0.005	1	1.1	16	<5	1	<10	<10	<5	<0.01	20	<5	18.9	<1	6	32.9	<5
27	97	1.27	734	4.2	0.01	36	526	17.2	197	0.033	11	6.1	42	<5	6.9	<10	<10	<5	0.12	41	<5	77.4	6	11	157	<5
6	102	1.34	1750	3.1	<0.01	44.1	541	30.7	61	0.006	19	3.5	18	<5	2.2	<10	<10	<5	<0.01	50	<5	54.9	6	13	172	<5
12	79	0.97	601	<0.5	<0.01	24.8	320	8.2	87	0.01	11	3.4	21	<5	5.2	<10	<10	<5	0.04	22	<5	52.8	<1	10	137	<5
23	89	1.51	847	1.6	<0.01	37.4	373	7.4	62	<0.005	7	3.2	<10	<5	2.1	<10	<10	9	0.04	35	<5	53.1	5	15	82.4	<5
11	36	0.49	750	6.4	<0.01	17.6	519	7.1	84	0.011	40	2.8	27	<5	2	<10	<10	<5	0.01	100	<5	33.6	2	19	57.8	<5
14	78	1.35	1100	2.9	0.01	23.9	719	8.3	69	<0.005	21	3.7	<10	<5	3.2	<10	<10	<5	0.02	28	<5	56.1	2	16	98.1	<5
15	105	1.25	964	<0.5	0.02	36.3	845	7.8	88	<0.005	12	3.6	<10	<5	4.7	<10	<10	9	0.02	41	<5	56.6	7	19	124	<5

Sample	Date	Latitude	Longitude	Lat Deg	Lat Min	Long Deg	Long Min	Type	Number	Sample 2	Certificate	ppm Au	ppb Au	ppm Ag	% Al	ppm As	ppm B	ppm Ba	ppm Be	ppm Bi	% Ca	ppm Cd	ppm Ce	ppm Co	ppm Cr	ppm Cu	% Fe	ppm Ga	ppm Hg	ppm In	% K
Frank #1	04-Jul-12	63.560867	-137.179533	63	33.652	137	10.772	soil	3529459	FRANK 1	12Y621631	0.051	51	<0.2	1.19	15	<5	231	<0.5	2	0.25	<0.5	34	9.8	27.7	44.5	2.7	<5	<1	<1	0.07
Frank #2	04-Jul-12	63.560800	-137.179283	63	33.648	137	10.757	soil	3529460	FRANK 2	12Y621631	0.004	4	0.4	1.4	17	<5	249	0.6	4	0.28	<0.5	37	10.1	32.8	39.2	2.68	<5	<1	<1	0.13
Frank #4	04-Jul-12	63.560517	-137.178583	63	33.631	137	10.715	soil	3529461	FRANK 3	12Y621631	0.017	17	<0.2	1.41	20	<5	268	0.6	2	0.49	<0.5	36	8.9	35.8	42.9	2.77	<5	<1	<1	0.13
Frank #3	04-Jul-12	63.560633	-137.178933	63	33.638	137	10.736	soil	3529462	FRANK 4	12Y621631	0.005	5	<0.2	1.35	18	<5	280	0.6	3	0.32	<0.5	32	9.4	31.9	48.4	2.76	<5	<1	<1	0.08
Frank #5	04-Jul-12	63.560267	-137.178283	63	33.616	137	10.697	soil	3529463	FRANK 5	12Y621631	0.007	7	<0.2	1.7	23	6	491	0.7	3	3.14	<0.5	37	11.5	34.1	54.8	2.89	5	<1	<1	0.12
Frank #6	04-Jul-12	63.560083	-137.177917	63	33.605	137	10.675	soil	3529464	FRANK 6	12Y621631	0.006	6	0.3	1.72	22	6	313	0.7	2	1.12	<0.5	34	9.9	35.8	66.9	2.99	<5	<1	<1	0.12
Frank #7	04-Jul-12	63.559883	-137.177567	63	33.593	137	10.654	soil	3529465	FRANK 7	12Y621631	0.061	61	<0.2	1.58	19	<5	269	0.7	3	0.29	<0.5	38	10.5	35.3	63.6	3.05	<5	<1	<1	0.09
Frank #8	04-Jul-12	63.559667	-137.177317	63	33.58	137	10.639	soil	3529466	FRANK 8	12Y621631	0.006	6	<0.2	1.6	24	<5	325	0.7	3	1.36	<0.5	36	10.7	35.2	59.1	2.84	<5	<1	<1	0.09
Frank #9	04-Jul-12	63.559500	-137.176950	63	33.57	137	10.617	soil	3529467	FRANK 9	12Y621631	0.004	4	<0.2	1.59	16	<5	240	0.6	2	0.21	<0.5	46	9.7	35.9	52.3	3.14	<5	<1	<1	0.1
Frank #10	04-Jul-12	63.559283	-137.176633	63	33.557	137	10.598	soil	3529468	FRANK 10	12Y621631	0.016	16	<0.2	1.56	25	6	405	0.8	5	0.41	<0.5	40	12.1	41	48.1	2.8	5	<1	1	0.11
Frank #11	05-Jul-12	63.558850	-137.176283	63	33.531	137	10.577	soil	3529469	FRANK 11	12Y621631	0.012	12	8.1	2.39	26	12	219	1.6	9	0.57	8	20	22.3	82.7	301	7.04	8	<1	9	0.36
Frank #12	05-Jul-12	63.558983	-137.175950	63	33.539	137	10.557	soil	3529470	FRANK 12	12Y621631	0.011	11	6.1	1.9	26	<5	85	1.3	7	0.33	2.7	41	25	69.5	182	5.66	7	<1	3	0.26
Frank #13	05-Jul-12	63.558800	-137.175600	63	33.528	137	10.536	soil	3529471	FRANK 13	12Y621631	0.01	10	4.3	1.39	29	<5	146	0.7	8	0.26	1.2	31	13.1	41.4	109	3.42	<5	<1	<1	0.18
Frank #14	05-Jul-12	63.558667	-137.175317	63	33.52	137	10.519	soil	3529472	FRANK 14	12Y621631	0.041	41	1.4	1.07	18	<5	185	0.7	3	0.22	<0.5	24	9.7	34.3	85.3	2.88	<5	<1	<1	0.1
Frank #15	05-Jul-12	63.558467	-137.174983	63	33.508	137	10.499	soil	3529473	FRANK 15	12Y621631	0.024	24	11.5	2.54	42	13	177	1.2	18	1.6	2.3	65	13.6	43.8	199	3.59	10	<1	4	0.67
Frank #16	05-Jul-12	63.558300	-137.174700	63	33.498	137	10.482	soil	3529474	FRANK 16	12Y621631	0.009	9	2.2	1.24	23	<5	125	0.8	3	0.3	2.1	53	17	31.8	106	3.48	<5	<1	3	0.21
Frank #17	05-Jul-12	63.558167	-137.174467	63	33.49	137	10.468	soil	3529475	FRANK 17	12Y621631	0.009	9	0.8	1.58	19	<5	212	0.7	3	0.32	0.6	32	14.9	47.3	109	3.93	<5	<1	<1	0.14
Frank #18	05-Jul-12	63.557933	-137.174150	63	33.476	137	10.449	soil	3529476	FRANK 18	12Y621631	0.012	12	2.6	2.88	23	11	159	1	11	1	4.1	54	34.6	102	257	6.74	13	<1	<1	0.31
Al #1	05-Jul-12	63.557800	-137.173717	63	33.468	137	10.423	soil	3529437	AL 1	12Y621631	0.105	105	1.1	1.42	23	<5	381	0.6	<1	4.6	1.1	24	9.9	30.1	76.9	2.7	6	<1	2	0.12
Al #2	05-Jul-12	63.557483	-137.173300	63	33.449	137	10.398	soil	3529438	AL 2	12Y621631	0.004	4	0.2	1.32	17	<5	292	0.6	3	0.33	<0.5	19	10.3	33.5	58.8	2.89	5	<1	<1	0.08
Al #3	05-Jul-12	63.557517	-137.173083	63	33.451	137	10.385	soil	3529439	AL 3	12Y621631	0.004	4	0.4	1.55	25	6	495	0.5	2	7.94	0.6	24	8.7	31.1	51.9	2.49	7	<1	<1	0.14
Al #4	05-Jul-12	63.557333	-137.172717	63	33.44	137	10.363	soil	3529440	AL 4	12Y621631	0.006	6	1.2	1.23	20	<5	458	0.5	3	1.66	0.9	34	10.8	23.5	98.4	2.69	<5	<1	<1	0.11
Al #5	06-Jul-12	63.557100	-137.172417	63	33.426	137	10.345	soil	3529441	AL 5	12Y621631	0.004	4	<0.2	1.13	11	<5	198	<0.5	2	0.29	<0.5	22	8.1	24.6	49.6	2.09	<5	<1	<1	0.04
Al #6	06-Jul-12	63.557333	-137.170433	63	33.44	137	10.226	soil	3529442	AL 6	12Y621631	0.006	6	<0.2	0.9	15	<5	256	<0.5	1	0.32	<0.5	27	6.2	21.5	42.1	2.06	<5	<1	1	0.05
Al #7	06-Jul-12	63.556767	-137.171633	63	33.406	137	10.298	soil	3529443	AL 7	12Y621631	0.055	55	<0.2	0.84	7	5	252	0.6	<1	0.31	<0.5	24	7.9	18.9	42.6	1.84	<5	<1	<1	0.04
Al #8	06-Jul-12	63.556617	-137.171317	63	33.397	137	10.279	soil	3529444	AL 8	12Y621631	0.003	3	<0.2	0.96	17	<5	207	<0.5	2	0.31	<0.5	22	10	20.3	45.2	2.15	<5	<1	<1	0.05
Al #9	06-Jul-12	63.556450	-137.170917	63	33.387	137	10.255	soil	3529445	AL 9	12Y621631	0.005	5	<0.2	1.71	8	9	263	1	<1	0.32	<0.5	32	11.4	39.7	123	3.16	6	<1	<1	0.11
Al #10	06-Jul-12	63.555617	-137.170683	63	33.337	137	10.241	soil	3529446	AL 10	12Y621631	0.029	29	<0.2	1.04	20	<5	352	0.5	2	0.38	<0.5	36	7.6	27.2	51.2	2.43	<5	<1	<1	0.09
Al #11	06-Jul-12	63.556050	-137.170283	63	33.363	137	10.217	soil	3529447	AL 11	12Y621631	0.006	6	0.8	2.06	20	<5	259	0.7	5	0.78	<0.5	24	15.9	54.5	111	3.91	7	<1	<1	0.1
Al #12	06-Jul-12	63.555900	-137.170083	63	33.354	137	10.205	soil	3529448	AL 12	12Y621631	0.004	4	<0.2	1.29	22	<5	447	<0.5	2	3.86	<0.5	24	7.8	25.9	47.1	2.31	<5	<1	<1	0.1
Al #13	09-Jul-12	63.557383	-137.169583	63	33.337	137	10.175	soil	3529449	AL 13	12Y621631	0.008	8	<0.2	1.03	16	<5	399	0.5	3	0.32	<0.5	22	7.3	23.1	41.4	2.29	<5	<1	<1	0.06
Al #14	09-Jul-12	63.555583	-137.169450	63	33.335	137	10.167	soil	3529450	AL 14	12Y621631	0.002	2	<0.2	0.95	13	<5	346	<0.5	1	0.35	<0.5	26	5.9	20.7	24	1.82	<5	<1	<1	0.05
Al #15	09-Jul-12	63.555400	-137.169183	63	33.324	137	10.151	soil	3529451	AL 15	12Y621631	0.013	13	<0.2	0.91	12	<5	324	<0.5	2	0.28	<0.5	29	5.7	21.9	28.3	1.75	<5	<1	<1	0.06
Al #16	09-Jul-12	63.555250	-137.168883	63	33.315	137	10.133	soil	3529453	AL 16	12Y621631	0.052	52	<0.2	1.13	20	<5	571	0.6	3	0.42	<0.5	27	9.2	29.2	42.1	2.66	<5	<1	<1	0.1
Al #17	09-Jul-12	63.557383	-137.168467	63	33.304	137	10.108	soil	3529455	AL 17	12Y621631	0.004	4	<0.2	2.36	17	6	527	1.2	6	0.45	<0.5	34	14.5	58.9	67.1	4.04	6	<1	1	0.31
Al #18	09-Jul-12	63.554883	-137.168133	63	33.293	137	10.088	soil	3529456	AL 18	12Y621631	0.003	3	<0.2	2.89	19	6	586	1.1	5	2.69	<0.5	28	16.4	65.4	78.7	4.46	8	<1	2	0.46
Al #19	09-Jul-12	63.554567	-137.167883	63	33.274	137	10.073	soil	3529457	AL 19	12Y621631	0.004	4	<0.2	1.7	20	5	540	0.8	3	0.42	<0.5	33	11.4	46.3	64.3	3.37	<5	<1	<1	0.2
Al #20	09-Jul-12	63.554567	-137.167450	63	33.274	137	10.047	soil	3529458	AL 20	12Y621631	0.011	11	<0.2	1.54	15	<5	464	0.7	2	0.37	<0.5	26	11.5	38.4	77.9	3.19	<5	<1	2	0.2
Camp #1	10-Jul-12	63.557383	-137.170467	63	33.443	137	10.228	soil	3629319	CAMP #1	12Y632730	0.004	4	<0.2	0.91	35	<5	242	<0.5	1	0.27	0.6	30	6.8	23.5	47	2.02	<5	<1	<1	0.05
Creek #1	10-Jul-12	63.556817	-137.171117	63	33.409	137	10.267	soil	3629320	CREEK E #1	12Y632730	0.004	4	<0.2	0.76	26	<5	217	<0.5	1	0.35	0.6	28	7.6	17.1	33.6	1.81	<5	<1	<1	0.06
Creek #2	10-Jul-12	63.557183	-137.170883	63	33.431	137	10.253	soil	3629321	CREEK E #2	12Y632730	0.004	4	<0.2	0.97	36	<5	246	<0.5	<1	0.35	<0.5	34	6.7	22	39.8	1.93	<5	<1	2	0.06
Creek #3	10-Jul-12	63.557350	-137.																												

Sample	Date	Latitude	Longitude	Lat Deg	Lat Min	Long Deg	Long Min	Type	Number	Sample 2	Certificate	ppm Au	ppb Au	ppm Ag	% Al	ppm As	ppm B	ppm Ba	ppm Be	ppm Bi	% Ca	ppm Cd	ppm Ce	ppm Co	ppm Cr	ppm Cu	% Fe	ppm Ga	ppm Hg	ppm In	% K
DR-33 #6		63.550583	-137.187533	63	33.035	137	11.252	soil	3629372	DR-33 #6	12Y632730	0.001	1	<0.2	0.55	47	<5	309	<0.5	<1	1.27	<0.5	24	5.3	10.7	18.6	1.32	<5	<1	<1	0.07
DR-33 #7		63.550417	-137.187800	63	33.025	137	11.268	soil	3629373	DR-33 #7	12Y632730	0.005	5	<0.2	0.64	42	<5	482	<0.5	8	1.31	0.6	30	7.1	13.4	26.6	1.66	<5	<1	3	0.06
DR-33 #8		63.550250	-137.188150	63	33.015	137	11.289	soil	3629375	DR-33 #8	12Y632730	0.004	4	<0.2	0.62	37	<5	339	<0.5	<1	0.57	0.5	28	6	12.4	23.4	1.55	<5	<1	<1	0.07
DR-33 #9		63.550133	-137.188600	63	33.008	137	11.316	soil	3629376	DR-33 #9	12Y632730	0.003	3	<0.2	0.97	29	6	390	0.5	<1	0.38	0.5	35	8.1	21.9	30.5	2.08	<5	<1	<1	0.08
Dragon 33-10	11-Jul-12	63.549983	-137.189050	63	32.999	137	11.343	soil	3629377	DR-33 #10	12Y632730	0.005	5	0.2	1.11	35	7	324	0.5	2	0.35	1	35	11.3	25.6	49.9	2.42	<5	<1	<1	0.08
Dragon 33-11	11-Jul-12	63.549883	-137.189433	63	32.993	137	11.366	soil	3629379	DR-33 #11	12Y632730	0.019	19	<0.2	0.78	27	<5	371	<0.5	<1	0.3	0.6	35	7.8	16.8	36.5	1.91	<5	<1	1	0.06
Dragon 33-12	24-Jul-12	63.549800	-137.189900	63	32.988	137	11.394	soil	3629380	DR-33 #12	12Y632730	0.005	5	<0.2	0.62	48	<5	408	<0.5	<1	1.75	0.6	27	6	13.4	25.4	1.43	<5	<1	2	0.07
Dragon 33-13	24-Jul-12	63.549583	-137.190133	63	32.975	137	11.408	soil	3629381	DR-33 #13	12Y632730	0.003	3	<0.2	1.19	36	5	206	<0.5	<1	0.46	1.6	36	11.6	27.2	48.1	2.53	<5	<1	<1	0.08
Dragon 33-14	24-Jul-12	63.549350	-137.190333	63	32.961	137	11.42	soil	3629382	DR-33 #14	12Y632730	0.002	2	<0.2	0.96	33	7	432	<0.5	<1	0.65	0.9	35	7.8	19.5	25.9	1.77	<5	<1	<1	0.08
Dragon 33-15	24-Jul-12	63.549150	-137.190500	63	32.949	137	11.43	soil	3629383	DR-33 #15	12Y632730	0.002	2	<0.2	0.72	27	<5	289	<0.5	<1	0.29	<0.5	28	5.9	16.3	22.6	1.64	<5	<1	<1	0.07
Dragon 33-16	24-Jul-12	63.549117	-137.190933	63	32.947	137	11.456	soil	3629385	DR-33 #16	12Y632730	0.005	5	0.2	1.3	40	<5	352	0.6	<1	0.42	0.9	36	11.4	27.5	51.5	2.71	<5	<1	3	0.1
Dragon 33-17	24-Jul-12	63.549033	-137.191400	63	32.942	137	11.484	soil	3629386	DR-33 #17	12Y632730	0.003	3	0.2	0.94	34	<5	155	<0.5	<1	0.17	0.6	32	10.6	18.7	46.3	2.4	<5	1	<1	0.08
Dragon 33-18	24-Jul-12	63.548833	-137.191617	63	32.93	137	11.497	soil	3629387	DR-33 #18	12Y632730	0.003	3	<0.2	0.73	50	6	295	<0.5	3	0.55	0.7	42	10.3	15.6	34.5	2.05	<5	<1	<1	0.08
Dragon 33-19	24-Jul-12	63.548750	-137.191917	63	32.925	137	11.515	soil	3629388	DR-33 #19	12Y632730	0.003	3	0.3	1.39	45	7	587	<0.5	<1	1.54	1.9	32	9.7	26.5	39	2.12	<5	<1	<1	0.09
Dragon 1-1	25-Jul-12	63.557083	-137.136750	63	33.425	137	8.205	soil	3629329	DR-1 #1	12Y632730	0.004	4	5.4	1.04	30	<5	44	1	88	0.04	1.7	17	11.2	25.8	559	7.84	6	2	<1	0.29
Dragon 1-2	25-Jul-12	63.557317	-137.136500	63	33.439	137	8.19	soil	3629330	DR-1 #2	12Y632730	0.006	6	2	0.96	31	<5	103	0.9	24	0.04	0.9	41	13.6	19.5	288	2.33	<5	<1	1	0.18
Dragon 1-3	25-Jul-12	63.557450	-137.136117	63	33.447	137	8.167	soil	3629331	DR-1 #3	12Y632730	0.007	7	0.4	1.35	26	<5	150	<0.5	7	0.19	1.2	38	12.2	27.9	55.8	2.59	<5	<1	2	0.09
Dragon 1-4	25-Jul-12	63.557617	-137.135833	63	33.457	137	8.15	soil	3629332	DR-1 #4	12Y632730	0.014	14	1	2.74	55	<5	136	0.8	4	0.25	2.2	64	51.1	74.2	213	5.34	13	<1	<1	0.2
Dragon 1-5	25-Jul-12	63.557867	-137.135667	63	33.469	137	8.134	soil	3629333	DR-1 #5	12Y632730	0.004	4	0.5	2.24	43	<5	286	0.7	2	0.18	1.1	43	15.7	48.1	90.2	3.56	8	<1	2	0.15
Dragon 1-6	25-Jul-12	63.557967	-137.135250	63	33.478	137	8.115	soil	3629334	DR-1 #6	12Y632730	0.012	12	0.6	2.12	40	<5	266	0.7	3	0.21	1.4	47	22	43.7	147	3.87	8	<1	<1	0.15
Dragon 1-7	25-Jul-12	63.558133	-137.134950	63	33.488	137	8.097	soil	3629335	DR-1 #7	12Y632730	0.009	9	0.7	2.5	48	8	352	0.9	4	0.26	1.9	45	28.5	54.5	154	4.47	10	2	<1	0.18
Dragon 1-8	25-Jul-12	63.558383	-137.134650	63	33.503	137	8.079	soil	3629336	DR-1 #8	12Y632730	0.01	10	0.5	1.85	35	6	327	0.7	6	0.28	1.1	40	12.4	37.2	84.5	3.13	7	<1	5	0.14
Dragon 1-9	25-Jul-12	63.558567	-137.134350	63	33.514	137	8.061	soil	3629337	DR-1 #9	12Y632730	0.004	4	<0.2	1.75	31	<5	242	0.6	4	0.24	0.9	32	8.7	33.8	62.9	2.9	6	<1	<1	0.09
Dragon 1-10	25-Jul-12	63.558750	-137.134000	63	33.525	137	8.04	soil	3629338	DR-1 #10	12Y632730	0.012	12	<0.2	3.17	52	5	412	1	3	0.35	1.3	37	15.5	60.7	94.8	4.12	10	<1	<1	0.25
Dragon 1-11	26-Jul-12	63.558750	-137.133733	63	33.525	137	8.024	soil	3629339	DR-1 #11	12Y632730	0.015	15	<0.2	4.4	43	8	246	1.7	11	0.48	2.3	39	19.8	62.1	230	6.17	15	<1	<1	0.99
Dragon 1-12	26-Jul-12	63.559083	-137.133400	63	33.545	137	8.004	soil	3629340	DR-1 #12	12Y632730	0.011	11	<0.2	6.41	65	10	285	2.3	3	1.17	2.1	49	24.2	94.1	183	6.38	21	2	<1	1.04
Dragon 1-13	26-Jul-12	63.559200	-137.133067	63	33.552	137	7.984	soil	3629341	DR-1 #13	12Y632730	0.014	14	<0.2	2.25	43	<5	479	0.7	<1	0.52	1	36	14	55.6	91	3.48	8	<1	<1	0.33
Dragon 1-14	26-Jul-12	63.559417	-137.132733	63	33.565	137	7.964	soil	3629342	DR-1 #14	12Y632730	0.003	3	<0.2	2.27	35	<5	397	0.6	<1	0.48	1	42	15.4	56.5	73.6	3.67	8	<1	3	0.23
Dragon 1-15	26-Jul-12	63.559517	-137.132350	63	33.571	137	7.941	soil	3629343	DR-1 #15	12Y632730	0.013	13	<0.2	2.13	31	<5	185	0.6	<1	0.38	1.2	38	19.5	58.8	118	3.85	7	1	4	0.41
Dragon 1-16	26-Jul-12	63.559717	-137.132050	63	33.583	137	7.923	soil	3629344	DR-1 #16	12Y632730	0.002	2	<0.2	2.85	30	<5	190	0.8	7	0.14	1.1	18	25.9	71	114	4.54	10	<1	<1	0.66
Dragon 1-17	26-Jul-12	63.559867	-137.131767	63	33.593	137	7.906	soil	3629345	DR-1 #17	12Y632730	0.001	1	<0.2	2.89	53	7	267	0.8	6	0.39	1	34	21.2	63	110	4	10	1	1	0.41
Dragon 1-18	26-Jul-12	63.560050	-137.131300	63	33.603	137	7.878	soil	3629346	DR-1 #18	12Y632730	0.003	3	<0.2	3.46	74	5	284	0.9	<1	0.62	1.4	28	22	84.4	131	4.64	11	2	2	0.66
Dragon 1-19	26-Jul-12	63.560150	-137.130983	63	33.609	137	7.859	soil	3629347	DR-1 #19	12Y632730	0.006	6	<0.2	4.79	53	8	239	1.1	<1	0.43	1.8	32	31.6	105	192	6.42	18	1	3	0.93
AL #1-NE1	-	63.557733	-137.173250	63	33.464	137	10.395	soil	3709754	AL-1 NORTH #1 (-)	12Y642186	0.036	36	0.3	0.83	64	<5	202	<0.5	<1	0.28	0.8	22	7.3	21.2	33.2	2.1	<5	<1	<1	0.06
AL #1-NE2	-	63.557950	-137.172933	63	33.477	137	10.376	soil	3709755	AL-1 NORTH #2 (-)	12Y642186	0.013	13	0.7	1.31	22	6	89	1.1	9	0.45	4	53	29.2	56.8	247	5.77	8	<1	<1	0.18
AL #1-NE3	-	63.558117	-137.172467	63	33.487	137	10.348	soil	3709756	AL-1 NORTH #3 (-)	12Y642186	0.01	10	3.9	1.28	10	<5	133	0.7	7	0.29	2	38	15.6	28.8	76.5	3.58	5	<1	<1	0.15
AL #1-NE4	-	63.558183	-137.171917	63	33.491	137	10.315	soil	3709757	AL-1 NORTH #4 (-)	12Y642186	0.006	6	2	0.91	20	<5	88	0.7	6	0.21	6.6	49	26.6	25.4	80	5.16	<5	<1	<1	0.16
AL #1-NE5	-	63.558267	-137.171567	63	33.496	137	10.294	soil	3709758	AL-1 NORTH #5 (-)	12Y642186	0.003	3	2.8	2.31	110	<5	35	1.4	33	0.23	4.1	35	26.9	58.5	230	5.92	11	<1	<1	0.21
AL #1-NE6	-	63.558300	-137.171083	63	33.502	137	10.265	soil	3709759	AL-1 NORTH #6 (-)	12Y642186	0.008	8	4.6	2.5	35	<5	135	1.1	<1	0.25	3	73	39.3	58.8	199	5.29	10	<1	<1	0.19
AL #1-NE7	-	63.558417	-137.170800	63	33.505	137	10.248	soil	3709760	AL-1 NORTH #7 (-)	12Y642186	0.01	10	1.7	3.07	112	8	121	1.5	12	0.57	3.4	46	40.1	80.5	179	6.19	16	<1	<1	0.26
AL #1-NE8	-	63.558600	-137.170417	63	33.516	137	10.225	soil	3709761	AL-1 NORTH #8 (-)	12Y642186	0.006	6	8.6	2.28	201	<5	101	1.6	8	0.31	3.7	38	21.7	68.2	259	6.41	10	1	<1	0.13
AL #1-SW1	-	63.557733																													

Sample	Date	Latitude	Longitude	Lat Deg	Lat Min	Long Deg	Long Min	Type	Number	Sample 2	Certificate	ppm Au	ppb Au	ppm Ag	% Al	ppm As	ppm B	ppm Ba	ppm Be	ppm Bi	% Ca	ppm Cd	ppm Ce	ppm Co	ppm Cr	ppm Cu	% Fe	ppm Ga	ppm Hg	ppm In	% K
DR-13-A (-)		63.550000	-137.166667	63	33	137	10	soil	3709794	DR-13-A (-)	12Y642186	0.004	4	<0.2	2.2	5	<5	176	1	4	0.21	<0.5	57	24.3	61	294	4.85	16	<1	2	0.31
DR-13-B (-)		63.550000	-137.166667	63	33	137	10	soil	3709795	DR-13-B (-)	12Y642186	0.006	6	0.5	1.98	9	<5	140	1.1	3	0.27	<0.5	42	12.3	42.2	191	3.63	15	<1	2	0.27
DR-13-C (-)		63.550000	-137.166667	63	33	137	10	soil	3709796	DR-13-C (-)	12Y642186	0.003	3	<0.2	1.59	13	<5	111	0.6	<1	0.09	<0.5	24	10.5	31.8	42.4	3.38	11	<1	1	0.13
DR-13-D (-)		63.550000	-137.166667	63	33	137	10	soil	3709797	DR-13-D (-)	12Y642186	0.014	14	0.4	2.07	19	<5	215	1.2	<1	0.42	<0.5	56	14	42.5	125	3.83	12	<1	1	0.29
DR-13-E (-)		63.550000	-137.166667	63	33	137	10	soil	3709798	DR-13-E (-)	12Y642186	0.004	4	0.3	1.44	8	<5	200	0.6	<1	1.03	2.1	33	12.2	29.7	78.3	2.58	10	<1	1	0.08
DR-13-F (-)		63.550000	-137.166667	63	33	137	10	soil	3709799	DR-13-F (-)	12Y642186	0.016	16	1.9	2.92	29	<5	148	2	<1	0.52	0.8	66	24.4	76.7	139	6.61	19	<1	2	0.32
DR-13-G (-)		63.550000	-137.166667	63	33	137	10	soil	3709800	DR-13-G (-)	12Y642186	0.005	5	<0.2	1.61	13	<5	137	0.8	<1	0.5	2.1	29	19.4	38.5	95.4	3.68	12	<1	<1	0.08

Sample	ppm La	ppm Li	% Mg	ppm Mn	ppm Mo	5 Na	ppm Ni	ppm P	ppm Pb	ppm Rb	% S	ppm Sb	ppm Sc	ppm Se	ppm Sn	ppm Sr	ppm Ta	ppm Te	ppm Th	% Ti	ppm Tl	ppm U	ppm V	ppm W	ppm Y	ppm Zn	ppm Zr	
Frank #1	18	15	0.51	431	0.8	<0.01	28.3	259	16.3	13	<0.005	<1	4.6	<10	<5	11.5	<10	<10	7	0.04	<5	<5	47.9	<1	9	86.5	<5	
Frank #2	20	16	0.48	629	1.5	0.01	28.6	311	19.5	26	0.006	<1	5.6	<10	<5	16.5	<10	<10	10	0.07	<5	<5	56.9	<1	10	147	6	
Frank #4	20	20	0.54	379	1.7	0.03	29.4	558	24.8	18	0.008	<1	6.2	<10	<5	28.2	<10	<10	8	0.09	5	<5	68.8	<1	12	107	<5	
Frank #3	19	17	0.55	377	1.3	0.01	30.6	193	19	16	0.007	<1	5.8	<10	<5	17	<10	<10	9	0.06	<5	<5	61	<1	11	108	6	
Frank #5	19	23	0.78	722	1.7	0.02	31.8	316	22.7	33	0.048	1	5.4	<10	<5	74.7	<10	<10	6	0.07	7	<5	70.6	<1	12	155	<5	
Frank #6	20	23	0.61	444	0.9	0.01	31.8	192	25.4	27	0.02	<1	5.9	<10	<5	27	<10	<10	7	0.07	6	<5	64.5	<1	12	146	<5	
Frank #7	22	21	0.58	418	2	<0.01	33.3	144	22.9	21	0.005	<1	6.1	<10	<5	14.4	<10	<10	9	0.06	<5	<5	61.9	<1	13	132	6	
Frank #8	20	22	0.61	413	1.3	0.01	32.2	172	23.8	23	0.019	2	6	<10	<5	28.1	<10	<10	11	0.07	6	<5	65.1	<1	12	135	<5	
Frank #9	28	20	0.57	345	1.7	<0.01	33.3	190	19.1	20	0.005	<1	5.7	<10	<5	12.2	<10	<10	12	0.05	<5	<5	52.6	<1	15	103	6	
Frank #10	19	18	0.55	481	<0.5	0.01	36.4	224	21.3	28	0.006	<1	8	<10	<5	20.5	<10	<10	11	0.07	<5	<5	75.7	<1	9	114	8	
Frank #11	13	38	0.58	3130	2.1	<0.01	56.8	864	187	115	0.027	5	17.2	<10	<5	29	15.8	<10	<10	6	0.05	8	6	167	<1	19	3470	<5
Frank #12	28	35	0.51	1850	1.6	<0.01	58.2	447	81.1	85	0.018	<1	12.2	<10	<5	13.7	<10	<10	8	0.04	7	<5	124	<1	34	1960	<5	
Frank #13	19	26	0.42	869	1.2	<0.01	31.3	343	63.2	59	0.009	<1	6.7	<10	<5	11.8	<10	<10	9	0.04	<5	<5	76	<1	16	833	<5	
Frank #14	14	15	0.4	556	2.1	<0.01	30.1	170	31.5	29	0.007	<1	5.7	<10	<5	11.4	<10	<10	7	0.05	<5	<5	63.5	<1	11	381	<5	
Frank #15	37	58	0.21	895	1.1	0.02	25.9	328	144	212	0.034	9	8.9	<10	<5	8	14	<10	<10	16	0.03	10	<5	63.1	<1	31	1350	12
Frank #16	44	28	0.39	1340	2.8	<0.01	44.2	372	50.2	48	0.016	2	5.9	<10	<5	14.3	<10	<10	11	0.01	5	<5	58.7	<1	30	805	<5	
Frank #17	23	22	0.59	1050	2.1	<0.01	41.7	316	41	36	0.012	<1	7.4	<10	<5	15.6	<10	<10	9	0.04	<5	<5	88.5	<1	19	413	<5	
Frank #18	32	57	1.62	2820	1.4	<0.01	73.7	564	130	101	0.023	<1	12.8	<10	14	32.7	<10	<10	12	0.05	10	7	176	<1	30	1420	<5	
Al #1	15	19	0.73	712	1.9	0.02	27.9	502	23.8	39	0.074	4	4.8	<10	<5	76.4	<10	<10	<5	0.05	9	<5	60	<1	12	312	<5	
Al #2	13	20	0.6	522	1.8	0.01	29	339	22.9	17	0.008	<1	5.6	<10	<5	20	<10	<10	<5	0.05	<5	<5	63	<1	10	212	<5	
Al #3	15	19	0.68	560	1.8	0.02	20.3	470	21	45	0.113	5	5.3	<10	<5	95.7	<10	<10	<5	0.07	8	<5	65.5	<1	11	167	<5	
Al #4	19	18	0.59	698	2.6	0.02	25.7	518	47	31	0.04	3	4	<10	<5	78.1	<10	<10	5	0.04	8	<5	44.7	<1	11	305	<5	
Al #5	14	19	0.45	346	1.4	<0.01	22.9	429	55.9	12	0.007	<1	4.3	<10	<5	16.6	<10	<10	<5	0.04	<5	<5	45.7	2	10	349	<5	
Al #6	14	11	0.39	300	<0.5	0.01	20.3	627	20.7	<10	<0.005	<1	4.3	<10	<5	19.6	<10	<10	5	0.05	<5	<5	44	<1	9	111	<5	
Al #7	11	10	0.4	304	<0.5	0.01	22.1	621	14.2	<10	<0.005	<1	2.7	<10	<5	22.5	<10	<10	<5	0.04	<5	<5	27.4	<1	8	120	<5	
Al #8	13	11	0.41	264	0.9	0.01	21.3	596	16.3	<10	<0.005	<1	4.3	<10	<5	21	<10	<10	<5	0.06	<5	<5	40.9	<1	10	118	<5	
Al #9	18	28	0.65	615	1.4	0.01	33.2	278	32.1	31	<0.005	<1	5.1	<10	14	19.3	<10	<10	6	0.06	<5	<5	58.6	<1	13	144	<5	
Al #10	19	11	0.42	361	<0.5	0.02	25.6	478	13.3	14	0.005	<1	5.1	<10	<5	23.9	<10	<10	9	0.07	<5	<5	58.3	<1	11	50.3	6	
Al #11	15	41	1.23	630	1.4	0.01	41.2	352	44.3	29	0.012	<1	7.6	<10	<5	22.5	<10	<10	6	0.12	7	<5	108	<1	12	166	<5	
Al #12	13	15	0.67	434	2.2	0.02	21.4	569	10.6	24	0.051	2	4.5	<10	<5	76.9	<10	<10	6	0.07	6	<5	59.6	<1	9	58.4	<5	
Al #13	13	14	0.42	344	2.4	0.01	28.1	432	10	11	0.007	<1	4.8	<10	<5	18.9	<10	<10	7	0.04	<5	<5	50.6	<1	10	66.9	5	
Al #14	13	12	0.36	327	<0.5	0.01	20.3	741	8.1	11	0.006	<1	3.6	<10	<5	21	<10	<10	6	0.05	<5	<5	40.7	<1	8	53.4	<5	
Al #15	15	11	0.35	336	0.6	<0.01	20.1	655	8.1	11	<0.005	<1	4	<10	<5	18.2	<10	<10	7	0.04	<5	<5	41.8	<1	9	59.6	<5	
Al #16	16	18	0.52	478	1.1	0.01	29.4	707	11.3	16	0.014	<1	4.8	<10	<5	25.2	<10	<10	7	0.07	5	<5	67.2	1	10	74.7	<5	
Al #17	20	58	1.01	803	1.7	0.01	42.3	424	13.3	69	0.007	<1	10	<10	<5	20.1	<10	<10	9	0.17	7	<5	107	<1	13	96.9	<5	
Al #18	16	72	1.36	646	<0.5	0.02	45.2	536	12.7	101	0.044	<1	11.7	<10	<5	44.1	<10	<10	<5	0.2	10	<5	117	<1	11	98.4	<5	
Al #19	20	30	0.74	551	2.2	0.02	39.2	525	12.4	38	0.01	<1	8.7	<10	<5	25.3	<10	<10	9	0.12	6	<5	97.6	<1	15	72.6	6	
Al #20	16	29	0.67	573	1.9	0.02	36.3	400	13.8	27	0.007	<1	6.8	<10	<5	18.6	<10	<10	6	0.1	<5	<5	74.4	<1	13	76.4	6	
Camp #1	15	10	0.39	313	4.4	0.01	21.1	683	16.2	11	<0.005	17	4.7	15	<5	19	<10	<10	<5	0.05	22	<5	41	<1	11	75.6	<5	
Creek #1	13	10	0.37	371	3.4	0.01	17.5	757	14.1	11	0.005	16	3.5	<10	<5	21.9	<10	<10	<5	0.05	20	<5	35.7	<1	8	128	<5	
Creek #2	16	12	0.42	269	3.6	0.01	18.9	760	18.8	14	<0.005	17	4.8	<10	<5	23.1	<10	<10	<5	0.06	29	<5	43.8	<1	10	114	<5	
Creek #3	15	14	0.46	353	3.6	0.01	21.9	615	29.6	17	0.005	17	5.4	<10	<5	20.3	<10	<10	<5	0.06	19	<5	46.9	<1	10	122	5	
Creek #4	18	12	0.39	477	4.3	0.01	19.7	885	24.6	16	0.007	20	4.1	<10	<5	22.8	<10	<10	<5	0.07	22	<5	45.6	<1	10	138	<5	
Creek #5	16	11	0.42	361	3.8	0.02	20.4	758	16.1	13	0.005	20	4.9	<10	<5	24	<10	<10	<5	0.07	25	<5	44.5	<1	10	93.9	5	
Creek #6	15	11	0.4	196	3.5	0.02	19.5	784	20.8	12	<0.005	16	4.6	<10	<5	24.8	<10	<10	<5	0.07	24	<5	41.6	<1	8	103	5	
Creek #7	15	19	0.53	577	4.7	0.01	24.2	639	69	20	0.015	20	4.3	10	<5	20.5	<10	<10	<5	0.06	24	<5	48.8	<1	10	264	<5	
Creek #8	18	25	0.73	666	4.8	0.04	29.4	1010	17.5	32	0.018	26	5.8	13	<5	41.1	<10	<10	<5	0.1	35	<5	65.2	<1	12	102	<5	
Creek #9	21	34	0.75	499	3.9	0.02	33	698	21.2	63	0.016	18	7	<10	<5	23.1	<10	<10	<5	0.09	40	<5	68.9	<1	12	93.6	<5	
Dragon 32-1	17	11	0.38	376	3.8	0.01	24	607	9.6	14	0.007	17	3.9	<10	<5	19.9	<10	<10	<5	0.05	26	<5	43.4	<1	9	310	<5	
Dragon 32-2	16	48	1.25	662	7	0.03	36.1	408	46.5	49	0.028	34	8.4	<10	<5	36.4	<10	<10	<5	0.14	50	<5	102	<1	13	148	<5	
Dragon32-3	17	36	0.89	414	3.8	0.01	32.3	216	27.4	34	0.006	14	8	<10	<5	13.6	<10	<10	<5	0.11	21	<5	82.8	<1	16	107	<5	
Dragon32-4	16	38	0.9	489	5.6	<0.01	34.6	278	40.7	34	0.028	28	6.8	23	<5	24	<10	<10	<5	0.06	46	<5	79.1	<1	12	107	<5	

Sample	ppm La	ppm Li	% Mg	ppm Mn	ppm Mo	5 Na	ppm Ni	ppm P	ppm Pb	ppm Rb	% S	ppm Sb	ppm Sc	ppm Se	ppm Sn	ppm Sr	ppm Ta	ppm Te	ppm Th	% Ti	ppm Tl	ppm U	ppm V	ppm W	ppm Y	ppm Zn	ppm Zr
DR-33 #6	11	7	0.39	276	5.5	0.01	13.2	675	4.2	11	0.024	26	2.6	<10	<5	41.9	<10	<10	<5	0.04	42	<5	26.6	<1	6	40.3	<5
DR-33 #7	14	8	0.44	390	5.7	0.01	16.9	853	8.6	12	0.032	22	2.8	<10	<5	44.4	<10	<10	<5	0.04	41	<5	32.4	<1	7	48.1	<5
DR-33 #8	12	8	0.39	305	3.4	0.01	15.8	773	5.1	10	0.017	18	2.8	<10	<5	27.4	<10	<10	<5	0.04	31	<5	30.6	<1	7	45.1	<5
DR-33 #9	16	13	0.43	364	5	0.02	20.3	849	18.1	13	0.008	21	4.3	<10	<5	25.4	<10	<10	<5	0.06	29	<5	47.9	<1	9	63.8	5
Dragon 33-10	16	19	0.5	494	5.8	0.01	25.9	862	41.9	18	0.006	12	5	<10	<5	21.2	<10	<10	<5	0.05	27	<5	50	<1	10	161	5
Dragon 33-11	16	11	0.34	382	3.9	0.01	23	862	12.8	11	0.005	16	3.8	<10	<5	19.7	<10	<10	<5	0.04	22	<5	36.3	<1	8	88	5
Dragon 33-12	12	9	0.39	318	6.3	0.01	16.5	764	7.5	14	0.032	31	2.7	<10	<5	50.1	<10	<10	<5	0.04	48	<5	32.5	<1	6	50.5	<5
Dragon 33-13	16	19	0.6	424	4.6	0.01	23.9	819	62.7	20	0.012	20	4.3	<10	<5	22.9	<10	<10	<5	0.08	28	<5	58.1	<1	10	327	<5
Dragon 33-14	16	12	0.42	255	4.6	0.02	18.6	1070	10.3	17	0.031	23	3.9	<10	<5	37.3	<10	<10	<5	0.06	30	<5	43.8	<1	9	105	<5
Dragon 33-15	13	10	0.3	357	3.3	0.01	16	701	14.2	11	0.006	13	3	12	<5	19.1	<10	<10	<5	0.04	24	<5	35.6	<1	7	64.4	<5
Dragon 33-16	16	21	0.59	582	5.1	0.02	26.3	823	39.1	21	0.011	22	4.9	<10	<5	24.8	<10	<10	<5	0.07	34	<5	57.5	<1	10	167	<5
Dragon 33-17	14	16	0.55	472	2.5	<0.01	24.8	460	17.2	14	0.006	9	2.5	<10	<5	9.3	<10	<10	<5	0.02	23	<5	27	<1	6	75.2	<5
Dragon 33-18	19	11	0.38	462	4.6	<0.01	24.6	716	26.6	12	0.012	20	2.9	<10	<5	20.5	<10	<10	<5	0.04	35	<5	26.1	<1	7	80.1	<5
Dragon 33-19	14	19	0.56	674	5.2	0.02	22.6	1120	45.6	25	0.089	27	4.4	<10	<5	75.8	<10	<10	<5	0.05	48	<5	54.4	<1	8	283	<5
Dragon 1-1	8	12	0.06	453	3	<0.01	21	705	1240	89	0.136	34	5.5	<10	<5	<0.5	<10	<10	<5	<0.01	15	<5	42.7	2	17	1230	<5
Dragon 1-2	17	14	0.09	864	1.9	<0.01	15.2	332	22.5	72	<0.005	22	6	12	<5	3.6	<10	<10	20	<0.01	9	<5	35.7	1	21	93.6	<5
Dragon 1-3	18	31	0.51	618	3.4	<0.01	23.7	425	12.5	28	0.006	12	4.3	12	<5	13.1	<10	<10	<5	0.05	20	<5	58.5	<1	8	124	<5
Dragon 1-4	29	100	1.12	2250	4.4	<0.01	69.9	458	25.5	95	0.012	21	9.4	<10	<5	16.1	<10	<10	<5	0.03	38	<5	144	<1	31	518	<5
Dragon 1-5	19	39	0.7	613	4.5	<0.01	29.3	332	15.3	51	0.015	17	6.9	<10	<5	15	<10	<10	<5	0.09	19	<5	97.6	<1	10	216	<5
Dragon 1-6	21	54	0.82	813	3	0.01	34.5	355	21.7	53	0.018	19	7.6	<10	<5	16.8	<10	<10	<5	0.07	24	<5	96.6	<1	16	288	<5
Dragon 1-7	20	63	1.01	1440	4.7	0.01	40.3	478	39	65	0.011	18	9.7	14	<5	19.1	<10	<10	<5	0.09	17	<5	119	<1	18	330	<5
Dragon 1-8	20	32	0.69	586	4.9	0.02	27.5	477	25	44	0.008	20	7.1	<10	<5	21.4	<10	<10	<5	0.08	26	<5	83.9	<1	13	170	<5
Dragon 1-9	17	32	0.58	469	4.2	0.01	21.8	435	21.8	38	0.005	15	6.3	<10	<5	17.8	<10	<10	<5	0.06	18	<5	68.9	<1	10	132	<5
Dragon 1-10	19	53	1.03	776	5.5	0.01	43	393	31.5	76	0.008	14	11.7	13	<5	26.6	<10	<10	<5	0.17	30	<5	113	<1	14	205	<5
Dragon 1-11	21	96	1.8	827	5.1	0.03	51.1	604	39.9	188	0.092	23	17.8	24	<5	40	<10	<10	<5	0.31	44	<5	148	1	17	389	<5
Dragon 1-12	24	116	2.36	809	4.7	0.14	60.9	649	27.2	253	0.048	31	20.5	<10	<5	78.8	<10	<10	<5	0.43	55	<5	204	24	22	178	<5
Dragon 1-13	18	38	1.03	326	3.9	0.04	35	500	15.5	58	0.011	23	10	<10	<5	24.7	<10	<10	<5	0.22	43	<5	111	2	13	193	<5
Dragon 1-14	17	38	1.11	408	3.9	0.03	33.5	521	15.4	42	0.013	18	9.3	15	<5	28.2	<10	<10	<5	0.25	31	<5	114	<1	12	134	5
Dragon 1-15	18	44	1.1	470	3.4	0.02	40.4	599	24.2	67	0.02	22	11.2	<10	<5	20	<10	<10	<5	0.23	29	<5	116	<1	12	182	<5
Dragon 1-16	8	59	1.46	537	2.3	0.01	43.7	365	54	128	0.016	11	10.9	<10	<5	6.7	<10	<10	<5	0.32	20	<5	154	4	4	164	<5
Dragon 1-17	15	58	1.29	450	3	0.04	40.5	355	20.1	71	0.021	18	10.8	<10	<5	20.8	<10	<10	<5	0.27	28	<5	131	<1	9	84.1	<5
Dragon 1-18	12	79	1.67	519	3.7	0.09	48.2	325	29.5	143	0.016	19	13.2	<10	<5	23.3	<10	<10	<5	0.36	36	<5	175	<1	11	108	<5
Dragon 1-19	14	93	2.26	742	3.7	0.06	59.6	420	48.2	227	0.023	16	19.6	<10	<5	20.7	<10	<10	<5	0.37	42	<5	225	2	10	163	<5
AL #1-NE1	13	12	0.39	332	4.2	<0.01	17.8	701	14	11	0.006	32	3.8	<10	<5	18.1	<10	<10	<5	0.05	58	<5	41.4	3	9	103	<5
AL #1-NE2	38	27	0.3	1790	7.2	<0.01	57	680	71.5	62	0.014	47	9.7	<10	<5	11.4	<10	12	6	0.01	84	<5	115	8	32	1220	<5
AL #1-NE3	24	17	0.39	941	4.7	<0.01	34.2	422	46.7	42	0.015	44	5.1	<10	<5	14.9	<10	<10	<5	0.02	65	<5	51.1	4	18	733	<5
AL #1-NE4	26	14	0.33	3540	4.9	<0.01	46.8	477	75.1	45	0.01	38	5	<10	<5	12.9	<10	<10	<5	<0.01	51	7	51.4	6	23	1690	<5
AL #1-NE5	19	71	0.96	2320	4.7	<0.01	51.2	476	279	67	0.01	35	7.2	10	<5	11.7	<10	<10	<5	<0.01	80	<5	95.2	7	21	1020	<5
AL #1-NE6	37	80	1	2890	5.5	<0.01	73.2	652	72.8	57	0.024	28	8.7	42	<5	16.8	<10	<10	<5	0.04	47	6	103	11	31	667	<5
AL #1-NE7	28	102	1.48	2470	8.8	<0.01	72.5	648	58.1	80	0.025	32	10.4	36	<5	21.1	<10	<10	<5	0.02	77	<5	147	8	23	798	<5
AL #1-NE8	21	64	0.88	1430	5.7	<0.01	90.4	643	117	57	0.03	28	14.2	<10	<5	13.2	<10	<10	<5	<0.01	72	<5	107	5	29	995	<5
AL #1-SW1	12	17	0.63	538	9.5	0.02	25.5	544	16.1	17	0.026	52	4.2	<10	<5	35.4	<10	<10	<5	0.05	112	<5	53.5	4	9	126	<5
AL #1-SW2	14	16	0.49	376	4.5	0.01	24.7	360	21.6	16	0.009	35	5.4	29	<5	22.7	<10	<10	<5	0.06	69	<5	58.7	3	11	136	7
AL #1-SW3	13	26	0.85	549	12.4	0.02	26.8	587	21.9	34	0.066	69	4.9	18	<5	81.5	<10	13	<5	0.05	152	<5	61.2	3	10	197	<5
AL #1-SW4	12	17	0.58	395	14.4	0.01	22.9	650	19.8	20	0.055	62	4	<10	<5	63.1	<10	14	<5	0.04	156	<5	47.5	2	9	106	<5
AL #1-SW5	16	17	0.52	460	6.5	0.01	28.7	440	22.5	15	0.01	31	5.2	<10	<5	20.8	<10	<10	<5	0.05	78	<5	59.9	4	13	154	<5
AL #1-SW6	10	15	0.75	480	15.4	0.02	22.2	711	11.3	24	0.076	65	3.5	<10	<5	142	<10	12	<5	0.04	143	<5	44.7	<1	8	130	<5
AL #1-SW7	11	20	0.8	689	19.2	0.02	25.2	614	21.7	35	0.127	74	4	<10	22	159	<10	16	<5	0.04	167	<5	51	2	9	238	<5
-1 SOUTH #8	11	9	0.32	259	7.8	<0.01	16.2	610	6.2	<10	0.01	26	2.4	<10	<5	19	<10	<10	<5	0.03	76	<5	29.7	2	7	51.5	<5
-1 SOUTH #9	11	17	0.71	407	13.9	0.02	23.7	538	15.3	25	0.077	68	3.7	<10	<5	103	<10	11	<5	0.04	154	<5	44.2	3	8	102	<5
-1 SOUTH #10	12	12	0.44	336	8.1	0.01	22.1	553	13.7	12	0.02	47	3.4	<10	<5	31.1	<10	10	<5	0.04	117	<5	40.1	2	9	64.5	<5
-1 SOUTH #11	12	16	0.48	352	4.9	0.01	22.2	585	29.2	12	0.008	25	3.7	<10	<5	19.1	<10	<10	<5	0.05	77						

Sample	ppm La	ppm Li	% Mg	ppm Mn	ppm Mo	5 Na	ppm Ni	ppm P	ppm Pb	ppm Rb	% S	ppm Sb	ppm Sc	ppm Se	ppm Sn	ppm Sr	ppm Ta	ppm Te	ppm Th	% Ti	ppm Tl	ppm U	ppm V	ppm W	ppm Y	ppm Zn	ppm Zr
DR-13-A (-)	27	58	0.88	1360	1.3	<0.01	52.5	297	6.7	121	<0.005	3	8.7	<10	<5	12.7	<10	<10	18	0.02	6	6	112	13	36	108	<5
DR-13-B (-)	25	40	0.6	742	1.1	<0.01	33.7	322	3.5	72	<0.005	<1	6.1	<10	<5	13	<10	<10	14	0.04	<5	<5	70.3	4	24	69.1	6
DR-13-C (-)	11	33	0.58	339	0.9	<0.01	24.5	415	11.7	29	0.006	<1	3.1	<10	<5	9.7	<10	<10	7	0.06	<5	<5	54.1	1	4	70.3	<5
DR-13-D (-)	32	45	0.77	961	2.4	<0.01	37.4	557	17.9	56	0.011	1	5.7	<10	<5	22.4	<10	<10	8	0.06	<5	<5	65.2	7	23	100	<5
DR-13-E (-)	18	30	0.61	547	1.3	<0.01	28.5	675	50.3	20	0.07	1	3	<10	<5	37.4	<10	<10	5	0.04	<5	<5	37.9	<1	12	414	<5
DR-13-F (-)	62	89	1.11	2840	10.2	<0.01	51.2	643	37	88	0.02	<1	9	<10	<5	26.9	<10	<10	10	0.04	7	<5	121	1	40	178	<5
DR-13-G (-)	13	42	0.88	982	1.5	<0.01	38.8	538	88.2	19	0.022	2	3.8	<10	<5	18.5	<10	<10	<5	0.06	<5	<5	58.1	4	10	583	<5

CLIENT NAME: GOLDEN DRAGON, YT
(403)

ATTENTION TO: Don Hutton

PROJECT NO:

AGAT WORK ORDER: 12Y621626

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, ICP Supervisor

DATE REPORTED: Aug 29, 2012

PAGES (INCLUDING COVER): 7

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

*NOTES



Certificate of Analysis

AGAT WORK ORDER: 12Y621626

PROJECT NO:

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

CLIENT NAME: GOLDEN DRAGON

ATTENTION TO: Don Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Jul 18, 2012

DATE RECEIVED: Jul 17, 2012

DATE REPORTED: Aug 29, 2012

SAMPLE TYPE: Rock

Sample Description	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
FR ROCK 1		2.9	0.23	14	7	37	<0.5	2	9.19	<0.5	38	7.7	69.3	289	2.86
FR ROCK 2		80.5	0.35	37	88	56	0.7	101	4.92	157	198	45.5	43.9	1400	21.0
FR ROCK 3		12.5	2.16	39	12	133	0.9	39	11.4	4.3	25	10.4	81.9	138	2.54
FR ROCK 4		23.2	0.31	90	17	60	0.7	44	7.46	39.9	179	34.8	6.5	857	7.54
FR ROCK 5		12.2	1.66	40	16	106	0.9	42	8.87	5.3	23	10.0	77.2	128	1.81
FR ROCK 6		26.8	1.24	368	14	62	0.8	59	8.94	5.1	49	18.0	50.1	778	1.80
FR ROCK 7		25.5	1.46	374	11	69	0.7	59	9.98	4.2	48	18.2	45.1	813	2.23
Sample Description	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
FR ROCK 1		<5	<1	<1	0.05	15	6	0.01	559	1.6	<0.01	2.9	25	30.0	15
FR ROCK 2		43	<1	20	0.19	83	4	<0.01	>10000	<0.5	0.02	15.5	88	219	22
FR ROCK 3		9	<1	2	0.82	10	48	0.27	1850	1.5	0.01	12.3	151	217	308
FR ROCK 4		10	<1	21	0.08	64	3	0.02	>10000	0.6	<0.01	10.3	179	213	11
FR ROCK 5		9	1	1	0.62	9	36	0.23	1320	1.5	<0.01	11.2	137	203	292
FR ROCK 6		7	<1	60	0.49	18	11	0.07	520	1.3	<0.01	3.8	90	257	162
FR ROCK 7		8	<1	59	0.58	18	12	0.07	526	1.7	<0.01	3.8	73	261	149
Sample Description	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:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
FR ROCK 1		0.023	7	4.1	<10	<5	16.1	<10	<10	<5	<0.01	<5	<5	3.8	1
FR ROCK 2		0.122	23	10.5	26	6	196	55	<10	<5	<0.01	<5	442	19.6	<1
FR ROCK 3		0.020	16	6.1	<10	11	7.8	<10	<10	<5	0.02	<5	9	56.4	<1
FR ROCK 4		0.026	24	10.8	<10	<5	39.0	13	<10	<5	<0.01	23	7	16.4	<1
FR ROCK 5		0.018	14	5.8	<10	10	6.5	<10	<10	<5	0.01	<5	8	53.7	<1
FR ROCK 6		0.030	53	8.9	<10	20	6.7	<10	<10	<5	0.01	<5	<5	28.9	<1
FR ROCK 7		0.029	54	8.6	<10	20	8.6	<10	<10	<5	0.01	6	<5	27.4	<1

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 12Y621626

PROJECT NO:

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

CLIENT NAME: GOLDEN DRAGON

ATTENTION TO: Don Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Jul 18, 2012

DATE RECEIVED: Jul 17, 2012

DATE REPORTED: Aug 29, 2012

SAMPLE TYPE: Rock

Sample Description	Analyte:	Y	Zn	Zr
	Unit:	ppm	ppm	ppm
	RDL:	1	0.5	5
FR ROCK 1		67	890	<5
FR ROCK 2		118	6790	6
FR ROCK 3		51	1250	<5
FR ROCK 4		115	3960	<5
FR ROCK 5		50	1160	<5
FR ROCK 6		88	1070	<5
FR ROCK 7		85	1070	<5

Comments: RDL - Reported Detection Limit

Certified By:



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CLIENT NAME: GOLDEN DRAGON

ATTENTION TO: Don Hutton

Fire Assay - Trace Au, ICP-OES finish (202052)

DATE SAMPLED: Jul 18, 2012

DATE RECEIVED: Jul 17, 2012

DATE REPORTED: Aug 29, 2012

SAMPLE TYPE: Rock

Analyte:	Sample Login Weight	Au
Unit:	kg	ppm
Sample Description	RDL:	
FR ROCK 1	0.01	0.001
FR ROCK 2	0.25	0.096
FR ROCK 3	0.06	0.024
FR ROCK 4	0.31	0.017
FR ROCK 5	0.45	0.009
FR ROCK 6	0.29	0.014
FR ROCK 7	0.41	0.128
	0.43	0.082

Comments: RDL - Reported Detection Limit

Certified By:

Quality Assurance

CLIENT NAME: GOLDEN DRAGON

AGAT WORK ORDER: 12Y621626

PROJECT NO:

ATTENTION TO: Don Hutton

Solid Analysis											
RPT Date: Aug 29, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
Aqua Regia Digest - Metals Package, ICP-OES finish (201073)											
Ag	1	3529410	0.91	1.01	10.4%	< 0.2				80%	120%
Al	1	3529410	0.24	0.25	4.1%	< 0.01				80%	120%
As	1	3529410	26	27	3.8%	< 1				80%	120%
B	1	3529410	< 5	< 5	0.0%	< 5	6.69	7.00	96%	80%	120%
Ba	1	3529410	38	37	2.7%	< 1				80%	120%
Be	1	3529410	< 0.5	< 0.5	0.0%	< 0.5	0.3	0.4	84%	80%	120%
Bi	1	3529410	5	5	0.0%	< 1				80%	120%
Ca	1	3529410	9.52	9.46	0.6%	< 0.01				80%	120%
Cd	1	3529410	1.3	1.3	0.0%	< 0.5				80%	120%
Ce	1	3529410	38	38	0.0%	< 1				80%	120%
Co	1	3529410	7.8	8.0	2.5%	< 0.5				80%	120%
Cr	1	3529410	86.1	81.9	5.0%	< 0.5				80%	120%
Cu	1	3529410	312	307	1.6%	< 0.5	3851	3800	101%	80%	120%
Fe	1	3529410	2.93	3.08	5.0%	< 0.01				80%	120%
Ga	1	3529410	< 5	< 5	0.0%	< 5				80%	120%
Hg	1	3529410	< 1	< 1	0.0%	< 1				80%	120%
In	1	3529410	3	< 1		< 1				80%	120%
K	1	3529410	0.05	0.05	0.0%	< 0.01				80%	120%
La	1	3529410	15	16	6.5%	< 1				80%	120%
Li	1	3529410	6	6	0.0%	< 1				80%	120%
Mg	1	3529410	0.01	0.01	0.0%	< 0.01				80%	120%
Mn	1	3529410	621	632	1.8%	< 1				80%	120%
Mo	1	3529410	3.46	3.30	4.7%	0.9				80%	120%
Na	1	3529410	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Ni	1	3529410	2.40	2.55	6.1%	< 0.5				80%	120%
P	1	3529410	75	67	11.3%	< 10	501	600	83%	80%	120%
Pb	1	3529410	29.6	30.4	2.7%	< 0.5				80%	120%
Rb	1	3529410	19	19	0.0%	< 10				80%	120%
S	1	3529410	0.130	0.129	0.8%	< 0.005				80%	120%
Sb	1	3529410	8	8	0.0%	< 1				80%	120%
Sc	1	3529410	5.5	5.4	1.8%	< 0.5				80%	120%
Se	1	3529410	< 10	< 10	0.0%	< 10				80%	120%
Sn	1	3529410	< 5	< 5	0.0%	< 5	6.4	7.1	91%	80%	120%
Sr	1	3529410	24.1	25.4	5.3%	< 0.5				80%	120%
Ta	1	3529410	< 10	< 10	0.0%	< 10				80%	120%
Te	1	3529410	< 10	< 10	0.0%	< 10				80%	120%
Th	1	3529410	< 5	< 5	0.0%	< 5				80%	120%
Ti	1	3529410	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Tl	1	3529410	< 5	< 5	0.0%	< 5				80%	120%
U	1	3529410	< 5	< 5	0.0%	< 5				80%	120%
V	1	3529410	6.6	6.5	1.5%	< 0.5				80%	120%
W	1	3529410	4	5	22.2%	< 1				80%	120%
Y	1	3529410	72	71	1.4%	< 1				80%	120%
Zn	1	3529410	986	1000	1.4%	< 0.5				80%	120%



Quality Assurance

CLIENT NAME: GOLDEN DRAGON

AGAT WORK ORDER: 12Y621626

PROJECT NO:

ATTENTION TO: Don Hutton

Solid Analysis (Continued)

RPT Date: Aug 29, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL			
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits
										LowerUpper
Zr	1	3529410	< 5	< 5	0.0%	< 5				80%120%
Fire Assay - Trace Au, ICP-OES finish (202052)										
Au	1	3529410	0.096	0.035		< 0.001				90%110%

Certified By:

Method Summary

CLIENT NAME: GOLDEN DRAGON

AGAT WORK ORDER: 12Y621626

PROJECT NO:

ATTENTION TO: Don Hutton

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
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
Sample Login Weight	MIN-12009		BALANCE
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES

CLIENT NAME: Golden Dragon, YT
(403)

ATTENTION TO: Don Hutton

PROJECT NO:

AGAT WORK ORDER: 12Y621631

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, ICP Supervisor

DATE REPORTED: Aug 29, 2012

PAGES (INCLUDING COVER): 14

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

*NOTES



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 12Y621631

PROJECT NO:

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

CLIENT NAME: Golden Dragon

ATTENTION TO: Don Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Jul 18, 2012

DATE RECEIVED: Jul 17, 2012

DATE REPORTED: Aug 29, 2012

SAMPLE TYPE: Soil

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 Description														
AL 1	1.1	1.42	23	<5	381	0.6	<1	4.60	1.1	24	9.9	30.1	76.9	2.70
AL 2	0.2	1.32	17	<5	292	0.6	3	0.33	<0.5	19	10.3	33.5	58.8	2.89
AL 3	0.4	1.55	25	6	495	0.5	2	7.94	0.6	24	8.7	31.1	51.9	2.49
AL 4	1.2	1.23	20	<5	458	0.5	3	1.66	0.9	34	10.8	23.5	98.4	2.69
AL 5	<0.2	1.13	11	<5	198	<0.5	2	0.29	<0.5	22	8.1	24.6	49.6	2.09
AL 6	<0.2	0.90	15	<5	256	<0.5	1	0.32	<0.5	27	6.2	21.5	42.1	2.06
AL 7	<0.2	0.84	7	5	252	0.6	<1	0.31	<0.5	24	7.9	18.9	42.6	1.84
AL 8	<0.2	0.96	17	<5	207	<0.5	2	0.31	<0.5	22	10.0	20.3	45.2	2.15
AL 9	<0.2	1.71	8	9	263	1.0	<1	0.32	<0.5	32	11.4	39.7	123	3.16
AL 10	<0.2	1.04	20	<5	352	0.5	2	0.38	<0.5	36	7.6	27.2	51.2	2.43
AL 11	0.8	2.06	20	<5	259	0.7	5	0.78	<0.5	24	15.9	54.5	111	3.91
AL 12	<0.2	1.29	22	<5	447	<0.5	2	3.86	<0.5	24	7.8	25.9	47.1	2.31
AL 13	<0.2	1.03	16	<5	399	0.5	3	0.32	<0.5	22	7.3	23.1	41.4	2.29
AL 14	<0.2	0.95	13	<5	346	<0.5	1	0.35	<0.5	26	5.9	20.7	24.0	1.82
AL 15	<0.2	0.91	12	<5	324	<0.5	2	0.28	<0.5	29	5.7	21.9	28.3	1.75
AL 16	<0.2	1.13	20	<5	571	0.6	3	0.42	<0.5	27	9.2	29.2	42.1	2.66
AL 17	<0.2	2.36	17	6	527	1.2	6	0.45	<0.5	34	14.5	58.9	67.1	4.04
AL 18	<0.2	2.89	19	6	586	1.1	5	2.69	<0.5	28	16.4	65.4	78.7	4.46
AL 19	<0.2	1.70	20	5	540	0.8	3	0.42	<0.5	33	11.4	46.3	64.3	3.37
AL 20	<0.2	1.54	15	<5	464	0.7	2	0.37	<0.5	26	11.5	38.4	77.9	3.19
FRANK 1	<0.2	1.19	15	<5	231	<0.5	2	0.25	<0.5	34	9.8	27.7	44.5	2.70
FRANK 2	0.4	1.40	17	<5	249	0.6	4	0.28	<0.5	37	10.1	32.8	39.2	2.68
FRANK 3	<0.2	1.41	20	<5	268	0.6	2	0.49	<0.5	36	8.9	35.8	42.9	2.77
FRANK 4	<0.2	1.35	18	<5	280	0.6	3	0.32	<0.5	32	9.4	31.9	48.4	2.76
FRANK 5	<0.2	1.70	23	6	491	0.7	3	3.14	<0.5	37	11.5	34.1	54.8	2.89
FRANK 6	0.3	1.72	22	6	313	0.7	2	1.12	<0.5	34	9.9	35.8	66.9	2.99
FRANK 7	<0.2	1.58	19	<5	269	0.7	3	0.29	<0.5	38	10.5	35.3	63.6	3.05
FRANK 8	<0.2	1.60	24	<5	325	0.7	3	1.36	<0.5	36	10.7	35.2	59.1	2.84
FRANK 9	<0.2	1.59	16	<5	240	0.6	2	0.21	<0.5	46	9.7	35.9	52.3	3.14
FRANK 10	<0.2	1.56	25	6	405	0.8	5	0.41	<0.5	40	12.1	41.0	48.1	2.80
FRANK 11	8.1	2.39	26	12	219	1.6	9	0.57	8.0	20	22.3	82.7	301	7.04
FRANK 12	6.1	1.90	26	<5	85	1.3	7	0.33	2.7	41	25.0	69.5	182	5.66

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 12Y621631

PROJECT NO:

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

CLIENT NAME: Golden Dragon

ATTENTION TO: Don Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Jul 18, 2012

DATE RECEIVED: Jul 17, 2012

DATE REPORTED: Aug 29, 2012

SAMPLE TYPE: Soil

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 Description														
FRANK 13	4.3	1.39	29	<5	146	0.7	8	0.26	1.2	31	13.1	41.4	109	3.42
FRANK 14	1.4	1.07	18	<5	185	0.7	3	0.22	<0.5	24	9.7	34.3	85.3	2.88
FRANK 15	11.5	2.54	42	13	177	1.2	18	1.60	2.3	65	13.6	43.8	199	3.59
FRANK 16	2.2	1.24	23	<5	125	0.8	3	0.30	2.1	53	17.0	31.8	106	3.48
FRANK 17	0.8	1.58	19	<5	212	0.7	3	0.32	0.6	32	14.9	47.3	109	3.93
FRANK 18	2.6	2.88	23	11	159	1.0	11	1.00	4.1	54	34.6	102	257	6.74

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 12Y621631

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CLIENT NAME: Golden Dragon

ATTENTION TO: Don Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Jul 18, 2012

DATE RECEIVED: Jul 17, 2012

DATE REPORTED: Aug 29, 2012

SAMPLE TYPE: Soil

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 Description	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10
AL 1	6	<1	2	0.12	15	19	0.73	712	1.9	0.02	27.9	502	23.8	39
AL 2	5	<1	<1	0.08	13	20	0.60	522	1.8	0.01	29.0	339	22.9	17
AL 3	7	<1	<1	0.14	15	19	0.68	560	1.8	0.02	20.3	470	21.0	45
AL 4	<5	<1	<1	0.11	19	18	0.59	698	2.6	0.02	25.7	518	47.0	31
AL 5	<5	<1	<1	0.04	14	19	0.45	346	1.4	<0.01	22.9	429	55.9	12
AL 6	<5	<1	1	0.05	14	11	0.39	300	<0.5	0.01	20.3	627	20.7	<10
AL 7	<5	<1	<1	0.04	11	10	0.40	304	<0.5	0.01	22.1	621	14.2	<10
AL 8	<5	<1	<1	0.05	13	11	0.41	264	0.9	0.01	21.3	596	16.3	<10
AL 9	6	<1	<1	0.11	18	28	0.65	615	1.4	0.01	33.2	278	32.1	31
AL 10	<5	<1	<1	0.09	19	11	0.42	361	<0.5	0.02	25.6	478	13.3	14
AL 11	7	<1	<1	0.10	15	41	1.23	630	1.4	0.01	41.2	352	44.3	29
AL 12	<5	<1	<1	0.10	13	15	0.67	434	2.2	0.02	21.4	569	10.6	24
AL 13	<5	<1	<1	0.06	13	14	0.42	344	2.4	0.01	28.1	432	10.0	11
AL 14	<5	<1	<1	0.05	13	12	0.36	327	<0.5	0.01	20.3	741	8.1	11
AL 15	<5	<1	<1	0.06	15	11	0.35	336	0.6	<0.01	20.1	655	8.1	11
AL 16	<5	<1	<1	0.10	16	18	0.52	478	1.1	0.01	29.4	707	11.3	16
AL 17	6	<1	1	0.31	20	58	1.01	803	1.7	0.01	42.3	424	13.3	69
AL 18	8	<1	2	0.46	16	72	1.36	646	<0.5	0.02	45.2	536	12.7	101
AL 19	<5	<1	<1	0.20	20	30	0.74	551	2.2	0.02	39.2	525	12.4	38
AL 20	<5	<1	2	0.20	16	29	0.67	573	1.9	0.02	36.3	400	13.8	27
FRANK 1	<5	<1	<1	0.07	18	15	0.51	431	0.8	<0.01	28.3	259	16.3	13
FRANK 2	<5	<1	<1	0.13	20	16	0.48	629	1.5	0.01	28.6	311	19.5	26
FRANK 3	<5	<1	<1	0.13	20	20	0.54	379	1.7	0.03	29.4	558	24.8	18
FRANK 4	<5	<1	<1	0.08	19	17	0.55	377	1.3	0.01	30.6	193	19.0	16
FRANK 5	5	<1	<1	0.12	19	23	0.78	722	1.7	0.02	31.8	316	22.7	33
FRANK 6	<5	<1	<1	0.12	20	23	0.61	444	0.9	0.01	31.8	192	25.4	27
FRANK 7	<5	<1	<1	0.09	22	21	0.58	418	2.0	<0.01	33.3	144	22.9	21
FRANK 8	<5	<1	<1	0.09	20	22	0.61	413	1.3	0.01	32.2	172	23.8	23
FRANK 9	<5	<1	<1	0.10	28	20	0.57	345	1.7	<0.01	33.3	190	19.1	20
FRANK 10	5	<1	1	0.11	19	18	0.55	481	<0.5	0.01	36.4	224	21.3	28
FRANK 11	8	<1	9	0.36	13	38	0.58	3130	2.1	<0.01	56.8	864	187	115
FRANK 12	7	<1	3	0.26	28	35	0.51	1850	1.6	<0.01	58.2	447	81.1	85

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 12Y621631

PROJECT NO:

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CLIENT NAME: Golden Dragon

ATTENTION TO: Don Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Jul 18, 2012

DATE RECEIVED: Jul 17, 2012

DATE REPORTED: Aug 29, 2012

SAMPLE TYPE: Soil

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 Description														
FRANK 13	<5	<1	<1	0.18	19	26	0.42	869	1.2	<0.01	31.3	343	63.2	59
FRANK 14	<5	<1	<1	0.10	14	15	0.40	556	2.1	<0.01	30.1	170	31.5	29
FRANK 15	10	<1	4	0.67	37	58	0.21	895	1.1	0.02	25.9	328	144	212
FRANK 16	<5	<1	3	0.21	44	28	0.39	1340	2.8	<0.01	44.2	372	50.2	48
FRANK 17	<5	<1	<1	0.14	23	22	0.59	1050	2.1	<0.01	41.7	316	41.0	36
FRANK 18	13	<1	<1	0.31	32	57	1.62	2820	1.4	<0.01	73.7	564	130	101

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 12Y621631

PROJECT NO:

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

CLIENT NAME: Golden Dragon

ATTENTION TO: Don Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Jul 18, 2012

DATE RECEIVED: Jul 17, 2012

DATE REPORTED: Aug 29, 2012

SAMPLE TYPE: Soil

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:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
Sample Description														
AL 1	0.074	4	4.8	<10	<5	76.4	<10	<10	<5	0.05	9	<5	60.0	<1
AL 2	0.008	<1	5.6	<10	<5	20.0	<10	<10	<5	0.05	<5	<5	63.0	<1
AL 3	0.113	5	5.3	<10	<5	95.7	<10	<10	<5	0.07	8	<5	65.5	<1
AL 4	0.040	3	4.0	<10	<5	78.1	<10	<10	5	0.04	8	<5	44.7	<1
AL 5	0.007	<1	4.3	<10	<5	16.6	<10	<10	<5	0.04	<5	<5	45.7	2
AL 6	<0.005	<1	4.3	<10	<5	19.6	<10	<10	5	0.05	<5	<5	44.0	<1
AL 7	<0.005	<1	2.7	<10	<5	22.5	<10	<10	<5	0.04	<5	<5	27.4	<1
AL 8	<0.005	<1	4.3	<10	<5	21.0	<10	<10	<5	0.06	<5	<5	40.9	<1
AL 9	<0.005	<1	5.1	<10	14	19.3	<10	<10	6	0.06	<5	<5	58.6	<1
AL 10	0.005	<1	5.1	<10	<5	23.9	<10	<10	9	0.07	<5	<5	58.3	<1
AL 11	0.012	<1	7.6	<10	<5	22.5	<10	<10	6	0.12	7	<5	108	<1
AL 12	0.051	2	4.5	<10	<5	76.9	<10	<10	6	0.07	6	<5	59.6	<1
AL 13	0.007	<1	4.8	<10	<5	18.9	<10	<10	7	0.04	<5	<5	50.6	<1
AL 14	0.006	<1	3.6	<10	<5	21.0	<10	<10	6	0.05	<5	<5	40.7	<1
AL 15	<0.005	<1	4.0	<10	<5	18.2	<10	<10	7	0.04	<5	<5	41.8	<1
AL 16	0.014	<1	4.8	<10	<5	25.2	<10	<10	7	0.07	5	<5	67.2	1
AL 17	0.007	<1	10.0	<10	<5	20.1	<10	<10	9	0.17	7	<5	107	<1
AL 18	0.044	<1	11.7	<10	<5	44.1	<10	<10	<5	0.20	10	<5	117	<1
AL 19	0.010	<1	8.7	<10	<5	25.3	<10	<10	9	0.12	6	<5	97.6	<1
AL 20	0.007	<1	6.8	<10	<5	18.6	<10	<10	6	0.10	<5	<5	74.4	<1
FRANK 1	<0.005	<1	4.6	<10	<5	11.5	<10	<10	7	0.04	<5	<5	47.9	<1
FRANK 2	0.006	<1	5.6	<10	<5	16.5	<10	<10	10	0.07	<5	<5	56.9	<1
FRANK 3	0.008	<1	6.2	<10	<5	28.2	<10	<10	8	0.09	5	<5	68.8	<1
FRANK 4	0.007	<1	5.8	<10	<5	17.0	<10	<10	9	0.06	<5	<5	61.0	<1
FRANK 5	0.048	1	5.4	<10	<5	74.7	<10	<10	6	0.07	7	<5	70.6	<1
FRANK 6	0.020	<1	5.9	<10	<5	27.0	<10	<10	7	0.07	6	<5	64.5	<1
FRANK 7	0.005	<1	6.1	<10	<5	14.4	<10	<10	9	0.06	<5	<5	61.9	<1
FRANK 8	0.019	2	6.0	<10	<5	28.1	<10	<10	11	0.07	6	<5	65.1	<1
FRANK 9	0.005	<1	5.7	<10	<5	12.2	<10	<10	12	0.05	<5	<5	52.6	<1
FRANK 10	0.006	<1	8.0	<10	<5	20.5	<10	<10	11	0.07	<5	<5	75.7	<1
FRANK 11	0.027	5	17.2	<10	29	15.8	<10	<10	6	0.05	8	6	167	<1
FRANK 12	0.018	<1	12.2	<10	<5	13.7	<10	<10	8	0.04	7	<5	124	<1

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 12Y621631

PROJECT NO:

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

CLIENT NAME: Golden Dragon

ATTENTION TO: Don Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Jul 18, 2012

DATE RECEIVED: Jul 17, 2012

DATE REPORTED: Aug 29, 2012

SAMPLE TYPE: Soil

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:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
Sample Description														
FRANK 13	0.009	<1	6.7	<10	<5	11.8	<10	<10	9	0.04	<5	<5	76.0	<1
FRANK 14	0.007	<1	5.7	<10	<5	11.4	<10	<10	7	0.05	<5	<5	63.5	<1
FRANK 15	0.034	9	8.9	<10	8	14.0	<10	<10	16	0.03	10	<5	63.1	<1
FRANK 16	0.016	2	5.9	<10	<5	14.3	<10	<10	11	0.01	5	<5	58.7	<1
FRANK 17	0.012	<1	7.4	<10	<5	15.6	<10	<10	9	0.04	<5	<5	88.5	<1
FRANK 18	0.023	<1	12.8	<10	14	32.7	<10	<10	12	0.05	10	7	176	<1

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 12Y621631

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CLIENT NAME: Golden Dragon

ATTENTION TO: Don Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Jul 18, 2012

DATE RECEIVED: Jul 17, 2012

DATE REPORTED: Aug 29, 2012

SAMPLE TYPE: Soil

Sample Description	Analyte:	Y	Zn	Zr
	Unit:	ppm	ppm	ppm
	RDL:	1	0.5	5
AL 1		12	312	<5
AL 2		10	212	<5
AL 3		11	167	<5
AL 4		11	305	<5
AL 5		10	349	<5
AL 6		9	111	<5
AL 7		8	120	<5
AL 8		10	118	<5
AL 9		13	144	<5
AL 10		11	50.3	6
AL 11		12	166	<5
AL 12		9	58.4	<5
AL 13		10	66.9	5
AL 14		8	53.4	<5
AL 15		9	59.6	<5
AL 16		10	74.7	<5
AL 17		13	96.9	<5
AL 18		11	98.4	<5
AL 19		15	72.6	6
AL 20		13	76.4	6
FRANK 1		9	86.5	<5
FRANK 2		10	147	6
FRANK 3		12	107	<5
FRANK 4		11	108	6
FRANK 5		12	155	<5
FRANK 6		12	146	<5
FRANK 7		13	132	6
FRANK 8		12	135	<5
FRANK 9		15	103	6
FRANK 10		9	114	8
FRANK 11		19	3470	<5
FRANK 12		34	1960	<5

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 12Y621631

PROJECT NO:

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MISSISSAUGA, ONTARIO
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CLIENT NAME: Golden Dragon

ATTENTION TO: Don Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Jul 18, 2012

DATE RECEIVED: Jul 17, 2012

DATE REPORTED: Aug 29, 2012

SAMPLE TYPE: Soil

Analyte:	Y	Zn	Zr
Unit:	ppm	ppm	ppm
Sample Description	RDL:		
FRANK 13	16	833	<5
FRANK 14	11	381	<5
FRANK 15	31	1350	12
FRANK 16	30	805	<5
FRANK 17	19	413	<5
FRANK 18	30	1420	<5

Comments: RDL - Reported Detection Limit

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 12Y621631

PROJECT NO:

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CANADA L4Z 1N9
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<http://www.agatlabs.com>

CLIENT NAME: Golden Dragon

ATTENTION TO: Don Hutton

Fire Assay - Trace Au, ICP-OES finish (202052)

DATE SAMPLED: Jul 18, 2012

DATE RECEIVED: Jul 17, 2012

DATE REPORTED: Aug 29, 2012

SAMPLE TYPE: Soil

Sample Description	Analyte:	Sample Login Weight	Au
	Unit:	kg	ppm
	RDL:	0.01	0.001
AL 1		0.38	0.105
AL 2		0.29	0.004
AL 3		0.38	0.004
AL 4		0.28	0.006
AL 5		0.27	0.004
AL 6		0.40	0.006
AL 7		0.47	0.055
AL 8		0.59	0.003
AL 9		0.25	0.005
AL 10		0.33	0.029
AL 11		0.37	0.006
AL 12		0.35	0.004
AL 13		0.29	0.008
AL 14		0.34	0.002
AL 15		0.23	0.013
AL 16		0.42	0.052
AL 17		0.28	0.004
AL 18		0.33	0.003
AL 19		0.32	0.004
AL 20		0.29	0.011
FRANK 1		0.31	0.051
FRANK 2		0.39	0.004
FRANK 3		0.27	0.017
FRANK 4		0.36	0.005
FRANK 5		0.34	0.007
FRANK 6		0.23	0.006
FRANK 7		0.28	0.061
FRANK 8		0.30	0.006
FRANK 9		0.35	0.004
FRANK 10		0.30	0.016
FRANK 11		0.17	0.012

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 12Y621631

PROJECT NO:

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

CLIENT NAME: Golden Dragon

ATTENTION TO: Don Hutton

Fire Assay - Trace Au, ICP-OES finish (202052)

DATE SAMPLED: Jul 18, 2012

DATE RECEIVED: Jul 17, 2012

DATE REPORTED: Aug 29, 2012

SAMPLE TYPE: Soil

Analyte:	Sample Login Weight	Au
Unit:	kg	ppm
Sample Description	RDL:	
FRANK 12	0.01	0.001
FRANK 13	0.35	0.011
FRANK 14	0.17	0.010
FRANK 15	0.34	0.041
FRANK 16	0.21	0.024
FRANK 17	0.23	0.009
FRANK 18	0.23	0.009
FRANK 18	0.28	0.012

Comments: RDL - Reported Detection Limit

Certified By:

Quality Assurance

CLIENT NAME: Golden Dragon

AGAT WORK ORDER: 12Y621631

PROJECT NO:

ATTENTION TO: Don Hutton

Solid Analysis											
RPT Date: Aug 29, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
Aqua Regia Digest - Metals Package, ICP-OES finish (201073)											
Ag	1	3529437	1.1	1.2	8.7%	< 0.2	6.0	6.0	100%	80%	120%
Al	1	3529437	1.42	1.46	2.8%	< 0.01				80%	120%
As	1	3529437	23	25	8.3%	< 1				80%	120%
B	1	3529437	< 5	< 5	0.0%	< 5				80%	120%
Ba	1	3529437	381	401	5.1%	< 1				80%	120%
Be	1	3529437	0.55	0.54	1.8%	< 0.5				80%	120%
Bi	1	3529464	2	3		< 1				80%	120%
Ca	1	3529437	4.60	4.99	8.1%	< 0.01				80%	120%
Cd	1	3529437	1.10	1.29	15.9%	< 0.5				80%	120%
Ce	1	3529437	24	24	0.0%	< 1				80%	120%
Co	1	3529437	9.9	10.8	8.7%	< 0.5				80%	120%
Cr	1	3529437	30.1	30.5	1.3%	< 0.5				80%	120%
Cu	1	3529437	76.9	83.5	8.2%	< 0.5	3860	3800	101%	80%	120%
Fe	1	3529437	2.70	2.90	7.1%	< 0.01				80%	120%
Ga	1	3529437	6	6	0.0%	< 5				80%	120%
Hg	1	3529437	< 1	< 1	0.0%	< 1	1.5	1.3	115%	80%	120%
In	1	3529464	< 1	1		< 1				80%	120%
K	1	3529437	0.12	0.11	8.7%	< 0.01				80%	120%
La	1	3529437	15	15	0.0%	< 1				80%	120%
Li	1	3529437	19	20	5.1%	< 1				80%	120%
Mg	1	3529437	0.73	0.78	6.6%	< 0.01				80%	120%
Mn	1	3529437	712	747	4.8%	< 1				80%	120%
Mo	1	3529464	0.9	1.5		0.9	356	380	93%	80%	120%
Na	1	3529437	0.02	0.02	0.0%	< 0.01				80%	120%
Ni	1	3529437	27.9	29.0	3.9%	< 0.5				80%	120%
P	1	3529437	502	544	8.0%	< 10	517	600	86%	80%	120%
Pb	1	3529437	23.8	26.4	10.4%	< 0.5				80%	120%
Rb	1	3529437	39	36	8.0%	< 10	14	13	107%	80%	120%
S	1	3529437	0.0742	0.0825	10.6%	< 0.005				80%	120%
Sb	1	3529437	4	4	0.0%	< 1				80%	120%
Sc	1	3529437	4.80	4.97	3.5%	< 0.5				80%	120%
Se	1	3529437	< 10	< 10	0.0%	< 10				80%	120%
Sn	1	3529437	< 5	< 5	0.0%	< 5				80%	120%
Sr	1	3529437	76.4	80.4	5.1%	< 0.5				80%	120%
Ta	1	3529437	< 10	< 10	0.0%	< 10				80%	120%
Te	1	3529437	< 10	< 10	0.0%	< 10				80%	120%
Th	1	3529437	< 5	< 5	0.0%	< 5				80%	120%
Ti	1	3529437	0.050	0.041	19.8%	< 0.01				80%	120%
Tl	1	3529437	9	8	11.8%	< 5				80%	120%
U	1	3529437	< 5	< 5	0.0%	< 5				80%	120%
V	1	3529437	60.0	58.2	3.0%	< 0.5				80%	120%
W	1	3529437	< 1	< 1	0.0%	< 1				80%	120%
Y	1	3529437	12	12	0.0%	< 1				80%	120%
Zn	1	3529437	312	326	4.4%	< 0.5				80%	120%



Quality Assurance

CLIENT NAME: Golden Dragon

AGAT WORK ORDER: 12Y621631

PROJECT NO:

ATTENTION TO: Don Hutton

Solid Analysis (Continued)

RPT Date: Aug 29, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL			
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits
										Lower Upper
Zr	1	3529437	< 5	< 5	0.0%	< 5				80% 120%
Fire Assay - Trace Au, ICP-OES finish (202052)										
Au	1	3529437	0.105	0.013		< 0.001	0.262	0.264	99%	90% 110%
Fire Assay - Trace Au, ICP-OES finish (202052)										
Au	1	3529450	0.002	0.046		< 0.001	0.774	0.792	97%	90% 110%
Fire Assay - Trace Au, ICP-OES finish (202052)										
Au	1	3529464	0.0065	0.0072	10.2%	< 0.001	1.48	1.52	97%	90% 110%

Certified By:

Method Summary

CLIENT NAME: Golden Dragon

AGAT WORK ORDER: 12Y621631

PROJECT NO:

ATTENTION TO: Don Hutton

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
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
Sample Login Weight	MIN-12009		BALANCE
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES

CLIENT NAME: MISC AGAT CLIENT YT, YT
(403)

ATTENTION TO: Don Hutton

PROJECT NO:

AGAT WORK ORDER: 12Y632721

SOLID ANALYSIS REVIEWED BY: Ron Cardinali, Certified Assayer - Director - Technical Services (Mining)

DATE REPORTED: Oct 03, 2012

PAGES (INCLUDING COVER): 6

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

*NOTES



Certificate of Analysis

AGAT WORK ORDER: 12Y632721

PROJECT NO:

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 YT

ATTENTION TO: Don Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Aug 21, 2012			DATE RECEIVED: Aug 21, 2012			DATE REPORTED: Oct 03, 2012			SAMPLE TYPE: Rock						
	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	%
Sample Description	RDL:	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01
DR-1 / TOP		2.5	3.23	21	<5	128	1.1	<1	0.51	2.7	126	31.4	77.2	205	8.23
DR - 3&4 Rock Pit		0.3	1.93	10	<5	37	0.7	<1	0.35	4.9	22	20.9	95.1	145	5.93
FR - 2 Cut Bank		18.7	3.52	1	14	144	2.0	33	4.45	23.1	62	15.2	94.4	746	11.1
	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
Sample Description	RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10
DR-1 / TOP		23	<1	<1	0.33	55	118	1.10	2770	0.5	<0.01	45.9	372	108	71
DR - 3&4 Rock Pit		14	<1	1	0.22	8	52	0.67	2150	0.8	<0.01	40.1	176	22.3	52
FR - 2 Cut Bank		34	<1	15	1.49	27	61	1.17	14500	<0.5	0.10	29.5	245	175	271
	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 Description	RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
DR-1 / TOP		0.037	2	7.7	<10	<5	14.5	<10	<10	10	0.01	22	<5	103	<1
DR - 3&4 Rock Pit		0.009	3	7.2	<10	<5	6.2	<10	<10	7	0.01	8	5	92.2	<1
FR - 2 Cut Bank		0.042	14	16.5	<10	7	47.2	18	<10	7	0.26	18	5	115	<1
	Analyte:	Y	Zn	Zr											
	Unit:	ppm	ppm	ppm											
Sample Description	RDL:	1	0.5	5											
DR-1 / TOP		31	630	6											
DR - 3&4 Rock Pit		10	1140	<5											
FR - 2 Cut Bank		39	2490	<5											

Comments: RDL - Reported Detection Limit

Certified By:

Ron Cardinal



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 12Y632721

PROJECT NO:

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 YT

ATTENTION TO: Don Hutton

Fire Assay - Trace Au, ICP-OES finish (202052)

DATE SAMPLED: Aug 21, 2012

DATE RECEIVED: Aug 21, 2012

DATE REPORTED: Oct 03, 2012

SAMPLE TYPE: Rock

	Analyte:	Au	Sample Login Weight
	Unit:	ppm	kg
Sample Description	RDL:	0.001	0.01
DR-1 / TOP		<0.001	0.50
DR - 3&4 Rock Pit		0.002	0.61
FR - 2 Cut Bank		0.011	0.78

Comments: RDL - Reported Detection Limit

Certified By:

Ron Cardinal

Quality Assurance

CLIENT NAME: MISC AGAT CLIENT YT

AGAT WORK ORDER: 12Y632721

PROJECT NO:

ATTENTION TO: Don Hutton

Solid Analysis											
RPT Date: Oct 03, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
Aqua Regia Digest - Metals Package, ICP-OES finish (201073)											
Ag	1	3629297	2.49	2.75	9.9%	< 0.2	14.9	13.0	115%	80%	120%
Al	1	3629297	3.23	3.32	2.7%	< 0.01				80%	120%
As	1	3629297	21	23	9.1%	< 1				80%	120%
B	1	3629297	< 5	< 5	0.0%	< 5				80%	120%
Ba	1	3629297	128	133	3.8%	< 1				80%	120%
Be	1	3629297	1.1	1.2	8.7%	< 0.5	0.3	0.4	72%	80%	120%
Bi	1	3629297	< 1	< 1	0.0%	< 1				80%	120%
Ca	1	3629297	0.51	0.51	0.0%	< 0.01				80%	120%
Cd	1	3629297	2.75	3.07	11.0%	< 0.5				80%	120%
Ce	1	3629297	126	134	6.2%	< 1				80%	120%
Co	1	3629297	31.4	32.9	4.7%	< 0.5				80%	120%
Cr	1	3629297	77.2	83.6	8.0%	9.0				80%	120%
Cu	1	3629297	205	212	3.4%	2.4				80%	120%
Fe	1	3629297	8.23	8.22	0.1%	< 0.01				80%	120%
Ga	1	3629297	23	24	4.3%	< 5				80%	120%
Hg	1	3629297	< 1	< 1	0.0%	< 1				80%	120%
In	1	3629297	< 1	3		< 1				80%	120%
K	1	3629297	0.33	0.35	5.9%	< 0.01				80%	120%
La	1	3629297	55	59	7.0%	< 1				80%	120%
Li	1	3629297	118	120	1.7%	< 1				80%	120%
Mg	1	3629297	1.10	1.11	0.9%	< 0.01				80%	120%
Mn	1	3629297	2770	2870	3.5%	< 1				80%	120%
Mo	1	3629297	0.5	< 0.5		1.0	344	350	98%	80%	120%
Na	1	3629297	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Ni	1	3629297	45.9	46.8	1.9%	2.0				80%	120%
P	1	3629297	372	391	5.0%	< 10	591	600	98%	80%	120%
Pb	1	3629297	108	114	5.4%	< 0.5				80%	120%
Rb	1	3629297	71	83	15.6%	< 10				80%	120%
S	1	3629297	0.0375	0.0395	5.2%	< 0.005				80%	120%
Sb	1	3629297	2	< 1		< 1				80%	120%
Sc	1	3629297	7.7	8.3	7.5%	< 0.5				80%	120%
Se	1	3629297	< 10	< 10	0.0%	< 10				80%	120%
Sn	1	3629297	< 5	< 5	0.0%	< 5				80%	120%
Sr	1	3629297	14.5	13.1	10.1%	< 0.5				80%	120%
Ta	1	3629297	10	10	0.0%	< 10				80%	120%
Te	1	3629297	< 10	< 10	0.0%	< 10				80%	120%
Th	1	3629297	10	14		< 5				80%	120%
Ti	1	3629297	0.01	0.01	0.0%	< 0.01				80%	120%
Tl	1	3629297	22	22	0.0%	< 5				80%	120%
U	1	3629297	< 5	< 5	0.0%	< 5				80%	120%
V	1	3629297	103	112	8.4%	< 0.5				80%	120%
W	1	3629297	< 1	< 1	0.0%	< 1				80%	120%
Y	1	3629297	31	33	6.3%	< 1	7	7	96%	80%	120%
Zn	1	3629297	630	673	6.6%	< 0.5				80%	120%



Quality Assurance

CLIENT NAME: MISC AGAT CLIENT YT

AGAT WORK ORDER: 12Y632721

PROJECT NO:

ATTENTION TO: Don Hutton

Solid Analysis (Continued)

RPT Date: Oct 03, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL			
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits
										Lower Upper
Zr	1	3629297	6	7	15.4%	< 5				80% 120%
Fire Assay - Trace Au, ICP-OES finish (202052)										
Au	1	3629297	< 0.001	< 0.001	0.0%	< 0.001	0.852	0.792	107%	90% 110%

Certified By:

Don Cardinal

Method Summary

CLIENT NAME: MISC AGAT CLIENT YT

AGAT WORK ORDER: 12Y632721

PROJECT NO:

ATTENTION TO: Don Hutton

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
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
Sample Login Weight	MIN-12009		BALANCE

CLIENT NAME: MISC AGAT CLIENT YT, YT
(403)

ATTENTION TO: Don Hutton

PROJECT NO:

AGAT WORK ORDER: 12Y632730

SOLID ANALYSIS REVIEWED BY: Yufei Chen, Analyst

DATE REPORTED: Sep 27, 2012

PAGES (INCLUDING COVER): 22

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

*NOTES



Certificate of Analysis

AGAT WORK ORDER: 12Y632730

PROJECT NO:

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 YT

ATTENTION TO: Don Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Aug 21, 2012		DATE RECEIVED: Aug 21, 2012						DATE REPORTED: Sep 27, 2012				SAMPLE TYPE: Soil			
	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	%
Sample Description	RDL:	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01
CAMP #1		<0.2	0.91	35	<5	242	<0.5	1	0.27	0.6	30	6.8	23.5	47.0	2.02
CREEK E #1		<0.2	0.76	26	<5	217	<0.5	1	0.35	0.6	28	7.6	17.1	33.6	1.81
CREEK E #2		<0.2	0.97	36	<5	246	<0.5	<1	0.35	<0.5	34	6.7	22.0	39.8	1.93
CREEK E #3		<0.2	1.08	34	<5	250	<0.5	<1	0.31	0.6	32	8.7	25.3	48.9	2.19
CREEK E #4		<0.2	0.84	35	<5	216	<0.5	<1	0.36	0.8	36	7.5	24.4	33.6	1.92
CREEK E #5		<0.2	0.98	27	<5	316	<0.5	<1	0.36	<0.5	35	6.6	24.4	39.5	1.95
CREEK E #6		<0.2	1.01	33	<5	293	<0.5	5	0.38	<0.5	33	5.7	22.3	42.2	1.58
CREEK E #7		<0.2	1.11	35	<5	230	<0.5	<1	0.45	1.3	32	11.3	25.7	55.0	2.42
CREEK E #8		<0.2	1.72	48	6	465	0.6	<1	0.77	1.1	41	13.2	31.7	56.7	2.96
CREEK E #9		0.4	1.84	52	6	269	0.8	6	0.49	1.0	49	13.5	42.1	65.2	3.28
DR-1 #1		5.4	1.04	30	<5	44	1.0	88	0.04	1.7	17	11.2	25.8	559	7.84
DR-1 #2		2.0	0.96	31	<5	103	0.9	24	0.04	0.9	41	13.6	19.5	288	2.33
DR-1 #3		0.4	1.35	26	<5	150	<0.5	7	0.19	1.2	38	12.2	27.9	55.8	2.59
DR-1 #4		1.0	2.74	55	<5	136	0.8	4	0.25	2.2	64	51.1	74.2	213	5.34
DR-1 #5		0.5	2.24	43	<5	286	0.7	2	0.18	1.1	43	15.7	48.1	90.2	3.56
DR-1 #6		0.6	2.12	40	<5	266	0.7	3	0.21	1.4	47	22.0	43.7	147	3.87
DR-1 #7		0.7	2.50	48	8	352	0.9	4	0.26	1.9	45	28.5	54.5	154	4.47
DR-1 #8		0.5	1.85	35	6	327	0.7	6	0.28	1.1	40	12.4	37.2	84.5	3.13
DR-1 #9		<0.2	1.75	31	<5	242	0.6	4	0.24	0.9	32	8.7	33.8	62.9	2.90
DR-1 #10		<0.2	3.17	52	5	412	1.0	3	0.35	1.3	37	15.5	60.7	94.8	4.12
DR-1 #11		<0.2	4.40	43	8	246	1.7	11	0.48	2.3	39	19.8	62.1	230	6.17
DR-1 #12		<0.2	6.41	65	10	285	2.3	3	1.17	2.1	49	24.2	94.1	183	6.38
DR-1 #13		<0.2	2.25	43	<5	479	0.7	<1	0.52	1.0	36	14.0	55.6	91.0	3.48
DR-1 #14		<0.2	2.27	35	<5	397	0.6	<1	0.48	1.0	42	15.4	56.5	73.6	3.67
DR-1 #15		<0.2	2.13	31	<5	185	0.6	<1	0.38	1.2	38	19.5	58.8	118	3.85
DR-1 #16		<0.2	2.85	30	<5	190	0.8	7	0.14	1.1	18	25.9	71.0	114	4.54
DR-1 #17		<0.2	2.89	53	7	267	0.8	6	0.39	1.0	34	21.2	63.0	110	4.00
DR-1 #18		<0.2	3.46	74	5	284	0.9	<1	0.62	1.4	28	22.0	84.4	131	4.64
DR-1 #19		<0.2	4.79	53	8	239	1.1	<1	0.43	1.8	32	31.6	105	192	6.42
DR-32 #1		<0.2	0.92	39	<5	213	<0.5	<1	0.34	1.4	37	8.5	20.6	40.5	2.17
DR-32 #2		0.2	2.27	67	5	336	0.8	<1	1.99	1.5	31	15.3	53.5	97.8	3.98
DR-32 #3		<0.2	1.86	31	<5	230	0.7	6	0.28	0.9	29	11.9	43.2	77.4	3.52

Certified By:

Y. Chen



Certificate of Analysis

AGAT WORK ORDER: 12Y632730

PROJECT NO:

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 YT

ATTENTION TO: Don Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Aug 21, 2012		DATE RECEIVED: Aug 21, 2012					DATE REPORTED: Sep 27, 2012					SAMPLE TYPE: Soil				
	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	%	
Sample Description	RDL:	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	
DR-32 #4		1.0	1.68	44	<5	268	0.7	2	1.84	0.9	27	12.9	49.0	79.9	3.36	
DR-32 #5		0.4	1.55	60	5	489	0.5	<1	3.09	1.0	30	12.5	39.3	67.9	2.98	
DR-32 #6		0.6	2.59	51	<5	308	0.9	5	0.47	1.4	30	16.8	67.0	128	4.94	
DR-32 #7		0.4	2.38	35	7	204	0.9	5	0.31	1.4	32	18.1	56.3	100	4.54	
DR-32 #8		0.7	1.83	81	8	629	0.5	<1	8.03	1.5	28	10.8	35.4	78.1	2.99	
DR-32 #9		0.2	2.66	41	7	388	1.2	<1	0.43	1.3	36	16.1	73.0	135	4.36	
DR-32 #10		<0.2	0.84	38	<5	275	<0.5	<1	0.42	0.6	28	8.0	27.5	32.7	2.15	
DR-32 #11		<0.2	1.52	30	<5	240	0.6	<1	0.31	0.6	29	10.9	37.6	57.9	3.04	
DR-32 #12		<0.2	1.52	32	6	240	0.6	<1	0.29	0.8	29	10.8	37.9	69.7	3.01	
DR-32 #13		<0.2	1.07	34	<5	247	0.5	<1	0.31	0.6	33	8.3	31.5	43.3	2.38	
DR-32 #14		<0.2	1.51	42	5	361	0.7	<1	0.59	0.8	36	10.2	36.2	51.5	2.86	
DR-32 #15		0.2	1.00	55	6	1000	<0.5	<1	10.5	0.9	28	6.2	19.8	31.2	1.74	
DR-32 #16		<0.2	0.72	11	<5	80	<0.5	<1	0.10	0.6	62	8.9	21.4	37.8	2.46	
DR-32 #17		<0.2	0.97	59	<5	374	<0.5	<1	2.02	0.6	35	8.4	26.4	23.6	2.25	
DR-32 #18		<0.2	0.98	19	<5	136	<0.5	<1	0.14	<0.5	40	6.4	19.2	26.1	2.02	
DR-32 #19		<0.2	0.87	51	6	482	<0.5	<1	1.55	0.7	28	8.6	18.6	32.1	1.96	
DR-33 #1		<0.2	0.75	46	6	437	<0.5	<1	1.22	0.6	32	7.5	17.3	30.6	1.85	
DR-33 #2		0.4	1.33	66	5	561	0.6	<1	0.70	0.7	68	14.2	26.8	56.4	3.62	
DR-33 #3		<0.2	0.57	28	<5	520	<0.5	<1	0.36	<0.5	33	6.3	14.3	24.3	1.73	
DR-33 #4		<0.2	0.49	25	<5	441	<0.5	<1	0.29	<0.5	21	5.8	18.3	21.9	1.49	
DR-33 #5		<0.2	0.59	49	<5	499	<0.5	<1	1.20	<0.5	30	6.1	12.7	22.9	1.54	
DR-33 #6		<0.2	0.55	47	<5	309	<0.5	<1	1.27	<0.5	24	5.3	10.7	18.6	1.32	
DR-33 #7		<0.2	0.64	42	<5	482	<0.5	8	1.31	0.6	30	7.1	13.4	26.6	1.66	
DR-33 #8		<0.2	0.62	37	<5	339	<0.5	<1	0.57	0.5	28	6.0	12.4	23.4	1.55	
DR-33 #9		<0.2	0.97	29	6	390	0.5	<1	0.38	0.5	35	8.1	21.9	30.5	2.08	
DR-33 #10		0.2	1.11	35	7	324	0.5	2	0.35	1.0	35	11.3	25.6	49.9	2.42	
DR-33 #11		<0.2	0.78	27	<5	371	<0.5	<1	0.30	0.6	35	7.8	16.8	36.5	1.91	
DR-33 #12		<0.2	0.62	48	<5	408	<0.5	<1	1.75	0.6	27	6.0	13.4	25.4	1.43	
DR-33 #13		<0.2	1.19	36	5	206	<0.5	<1	0.46	1.6	36	11.6	27.2	48.1	2.53	
DR-33 #14		<0.2	0.96	33	7	432	<0.5	<1	0.65	0.9	35	7.8	19.5	25.9	1.77	
DR-33 #15		<0.2	0.72	27	<5	289	<0.5	<1	0.29	<0.5	28	5.9	16.3	22.6	1.64	
DR-33 #16		0.2	1.30	40	<5	352	0.6	<1	0.42	0.9	36	11.4	27.5	51.5	2.71	

Certified By:

Y. Chen



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 12Y632730

PROJECT NO:

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 YT

ATTENTION TO: Don Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Aug 21, 2012

DATE RECEIVED: Aug 21, 2012

DATE REPORTED: Sep 27, 2012

SAMPLE TYPE: Soil

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
DR-33 #17	0.2	0.94	34	<5	155	<0.5	<1	0.17	0.6	32	10.6	18.7	46.3	2.40
DR-33 #18	<0.2	0.73	50	6	295	<0.5	3	0.55	0.7	42	10.3	15.6	34.5	2.05
DR-33 #19	0.3	1.39	45	7	587	<0.5	<1	1.54	1.9	32	9.7	26.5	39.0	2.12

Certified By:

Y. Chen



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 12Y632730

PROJECT NO:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
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Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Aug 21, 2012		DATE RECEIVED: Aug 21, 2012				DATE REPORTED: Sep 27, 2012				SAMPLE TYPE: Soil					
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 Description															
CAMP #1		<5	<1	<1	0.05	15	10	0.39	313	4.4	0.01	21.1	683	16.2	11
CREEK E #1		<5	<1	<1	0.06	13	10	0.37	371	3.4	0.01	17.5	757	14.1	11
CREEK E #2		<5	<1	2	0.06	16	12	0.42	269	3.6	0.01	18.9	760	18.8	14
CREEK E #3		<5	<1	2	0.07	15	14	0.46	353	3.6	0.01	21.9	615	29.6	17
CREEK E #4		<5	<1	1	0.08	18	12	0.39	477	4.3	0.01	19.7	885	24.6	16
CREEK E #5		<5	<1	2	0.07	16	11	0.42	361	3.8	0.02	20.4	758	16.1	13
CREEK E #6		<5	<1	<1	0.07	15	11	0.40	196	3.5	0.02	19.5	784	20.8	12
CREEK E #7		<5	<1	<1	0.08	15	19	0.53	577	4.7	0.01	24.2	639	69.0	20
CREEK E #8		5	<1	1	0.15	18	25	0.73	666	4.8	0.04	29.4	1010	17.5	32
CREEK E #9		6	2	5	0.26	21	34	0.75	499	3.9	0.02	33.0	698	21.2	63
DR-1 #1		6	2	<1	0.29	8	12	0.06	453	3.0	<0.01	21.0	705	1240	89
DR-1 #2		<5	<1	1	0.18	17	14	0.09	864	1.9	<0.01	15.2	332	22.5	72
DR-1 #3		<5	<1	2	0.09	18	31	0.51	618	3.4	<0.01	23.7	425	12.5	28
DR-1 #4		13	<1	<1	0.20	29	100	1.12	2250	4.4	<0.01	69.9	458	25.5	95
DR-1 #5		8	<1	2	0.15	19	39	0.70	613	4.5	<0.01	29.3	332	15.3	51
DR-1 #6		8	<1	<1	0.15	21	54	0.82	813	3.0	0.01	34.5	355	21.7	53
DR-1 #7		10	2	<1	0.18	20	63	1.01	1440	4.7	0.01	40.3	478	39.0	65
DR-1 #8		7	<1	5	0.14	20	32	0.69	586	4.9	0.02	27.5	477	25.0	44
DR-1 #9		6	<1	<1	0.09	17	32	0.58	469	4.2	0.01	21.8	435	21.8	38
DR-1 #10		10	<1	<1	0.25	19	53	1.03	776	5.5	0.01	43.0	393	31.5	76
DR-1 #11		15	<1	<1	0.99	21	96	1.80	827	5.1	0.03	51.1	604	39.9	188
DR-1 #12		21	2	<1	1.04	24	116	2.36	809	4.7	0.14	60.9	649	27.2	253
DR-1 #13		8	<1	<1	0.33	18	38	1.03	326	3.9	0.04	35.0	500	15.5	58
DR-1 #14		8	<1	3	0.23	17	38	1.11	408	3.9	0.03	33.5	521	15.4	42
DR-1 #15		7	1	4	0.41	18	44	1.10	470	3.4	0.02	40.4	599	24.2	67
DR-1 #16		10	<1	<1	0.66	8	59	1.46	537	2.3	0.01	43.7	365	54.0	128
DR-1 #17		10	1	1	0.41	15	58	1.29	450	3.0	0.04	40.5	355	20.1	71
DR-1 #18		11	2	2	0.66	12	79	1.67	519	3.7	0.09	48.2	325	29.5	143
DR-1 #19		18	1	3	0.93	14	93	2.26	742	3.7	0.06	59.6	420	48.2	227
DR-32 #1		<5	<1	2	0.08	17	11	0.38	376	3.8	0.01	24.0	607	9.6	14
DR-32 #2		8	<1	3	0.16	16	48	1.25	662	7.0	0.03	36.1	408	46.5	49
DR-32 #3		6	<1	<1	0.13	17	36	0.89	414	3.8	0.01	32.3	216	27.4	34

Certified By:

Y. Chen



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CLIENT NAME: MISC AGAT CLIENT YT

ATTENTION TO: Don Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Aug 21, 2012		DATE RECEIVED: Aug 21, 2012				DATE REPORTED: Sep 27, 2012				SAMPLE TYPE: Soil					
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 Description															
DR-32 #4		6	<1	6	0.10	16	38	0.90	489	5.6	<0.01	34.6	278	40.7	34
DR-32 #5		7	<1	<1	0.09	14	27	0.96	445	8.6	0.02	30.6	301	35.2	29
DR-32 #6		10	<1	1	0.23	17	58	1.47	630	4.9	0.02	44.3	271	50.0	95
DR-32 #7		9	<1	<1	0.19	10	54	1.23	657	4.7	<0.01	38.6	781	140	57
DR-32 #8		7	<1	1	0.11	12	33	1.22	366	10.0	0.03	22.8	441	65.8	38
DR-32 #9		9	<1	<1	0.21	23	71	1.24	575	4.4	0.02	37.2	421	151	69
DR-32 #10		<5	<1	<1	0.05	14	11	0.40	326	5.5	0.01	24.0	585	13.6	11
DR-32 #11		<5	<1	2	0.11	14	28	0.79	420	4.0	0.01	30.2	439	35.7	26
DR-32 #12		<5	2	<1	0.10	15	24	0.71	340	3.5	0.01	29.7	313	55.2	26
DR-32 #13		<5	1	3	0.08	17	14	0.48	290	3.9	0.02	21.8	247	16.1	17
DR-32 #14		5	<1	<1	0.12	18	23	0.64	399	5.0	0.03	28.1	257	32.2	25
DR-32 #15		<5	<1	<1	0.10	11	13	0.67	276	10.8	0.02	16.7	847	9.1	28
DR-32 #16		<5	<1	<1	0.05	28	8	0.32	239	3.2	<0.01	28.3	299	13.2	<10
DR-32 #17		<5	<1	<1	0.08	16	13	0.57	368	6.9	0.03	23.6	363	12.2	18
DR-32 #18		<5	2	1	0.07	19	11	0.36	191	2.2	<0.01	21.2	175	12.0	14
DR-32 #19		<5	<1	<1	0.07	13	12	0.54	463	6.4	0.02	21.9	802	14.8	16
DR-33 #1		<5	<1	2	0.07	15	10	0.46	376	4.8	0.01	18.0	765	10.6	13
DR-33 #2		<5	<1	9	0.12	31	17	0.61	617	5.6	0.03	36.3	1600	18.2	17
DR-33 #3		<5	<1	<1	0.06	15	7	0.27	341	3.4	0.01	16.7	943	7.1	<10
DR-33 #4		<5	<1	<1	0.04	10	7	0.26	316	4.8	<0.01	17.6	734	5.4	<10
DR-33 #5		<5	2	<1	0.06	13	7	0.40	340	4.5	0.01	15.6	844	6.2	11
DR-33 #6		<5	<1	<1	0.07	11	7	0.39	276	5.5	0.01	13.2	675	4.2	11
DR-33 #7		<5	<1	3	0.06	14	8	0.44	390	5.7	0.01	16.9	853	8.6	12
DR-33 #8		<5	<1	<1	0.07	12	8	0.39	305	3.4	0.01	15.8	773	5.1	10
DR-33 #9		<5	<1	<1	0.08	16	13	0.43	364	5.0	0.02	20.3	849	18.1	13
DR-33 #10		<5	<1	<1	0.08	16	19	0.50	494	5.8	0.01	25.9	862	41.9	18
DR-33 #11		<5	<1	1	0.06	16	11	0.34	382	3.9	0.01	23.0	862	12.8	11
DR-33 #12		<5	<1	2	0.07	12	9	0.39	318	6.3	0.01	16.5	764	7.5	14
DR-33 #13		<5	<1	<1	0.08	16	19	0.60	424	4.6	0.01	23.9	819	62.7	20
DR-33 #14		<5	<1	<1	0.08	16	12	0.42	255	4.6	0.02	18.6	1070	10.3	17
DR-33 #15		<5	<1	<1	0.07	13	10	0.30	357	3.3	0.01	16.0	701	14.2	11
DR-33 #16		<5	<1	3	0.10	16	21	0.59	582	5.1	0.02	26.3	823	39.1	21

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Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Aug 21, 2012		DATE RECEIVED: Aug 21, 2012				DATE REPORTED: Sep 27, 2012				SAMPLE TYPE: Soil					
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
Sample Description	RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10
DR-33 #17		<5	1	<1	0.08	14	16	0.55	472	2.5	<0.01	24.8	460	17.2	14
DR-33 #18		<5	<1	<1	0.08	19	11	0.38	462	4.6	<0.01	24.6	716	26.6	12
DR-33 #19		<5	<1	<1	0.09	14	19	0.56	674	5.2	0.02	22.6	1120	45.6	25

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DATE SAMPLED: Aug 21, 2012		DATE RECEIVED: Aug 21, 2012					DATE REPORTED: Sep 27, 2012					SAMPLE TYPE: Soil			
	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 Description	RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
CAMP #1		<0.005	17	4.7	15	<5	19.0	<10	<10	<5	0.05	22	<5	41.0	<1
CREEK E #1		0.005	16	3.5	<10	<5	21.9	<10	<10	<5	0.05	20	<5	35.7	<1
CREEK E #2		<0.005	17	4.8	<10	<5	23.1	<10	<10	<5	0.06	29	<5	43.8	<1
CREEK E #3		0.005	17	5.4	<10	<5	20.3	<10	<10	<5	0.06	19	<5	46.9	<1
CREEK E #4		0.007	20	4.1	<10	<5	22.8	<10	<10	<5	0.07	22	<5	45.6	<1
CREEK E #5		0.005	20	4.9	<10	<5	24.0	<10	<10	<5	0.07	25	<5	44.5	<1
CREEK E #6		<0.005	16	4.6	<10	<5	24.8	<10	<10	<5	0.07	24	<5	41.6	<1
CREEK E #7		0.015	20	4.3	10	<5	20.5	<10	<10	<5	0.06	24	<5	48.8	<1
CREEK E #8		0.018	26	5.8	13	<5	41.1	<10	<10	<5	0.10	35	<5	65.2	<1
CREEK E #9		0.016	18	7.0	<10	<5	23.1	<10	<10	<5	0.09	40	<5	68.9	<1
DR-1 #1		0.136	34	5.5	<10	<5	<0.5	<10	<10	<5	<0.01	15	<5	42.7	2
DR-1 #2		<0.005	22	6.0	12	<5	3.6	<10	<10	20	<0.01	9	<5	35.7	1
DR-1 #3		0.006	12	4.3	12	<5	13.1	<10	<10	<5	0.05	20	<5	58.5	<1
DR-1 #4		0.012	21	9.4	<10	<5	16.1	<10	<10	<5	0.03	38	<5	144	<1
DR-1 #5		0.015	17	6.9	<10	<5	15.0	<10	<10	<5	0.09	19	<5	97.6	<1
DR-1 #6		0.018	19	7.6	<10	<5	16.8	<10	<10	<5	0.07	24	<5	96.6	<1
DR-1 #7		0.011	18	9.7	14	<5	19.1	<10	<10	<5	0.09	17	<5	119	<1
DR-1 #8		0.008	20	7.1	<10	<5	21.4	<10	<10	<5	0.08	26	<5	83.9	<1
DR-1 #9		0.005	15	6.3	<10	<5	17.8	<10	<10	<5	0.06	18	<5	68.9	<1
DR-1 #10		0.008	14	11.7	13	<5	26.6	<10	<10	<5	0.17	30	<5	113	<1
DR-1 #11		0.092	23	17.8	24	<5	40.0	<10	<10	<5	0.31	44	<5	148	1
DR-1 #12		0.048	31	20.5	<10	<5	78.8	<10	<10	<5	0.43	55	<5	204	24
DR-1 #13		0.011	23	10.0	<10	<5	24.7	<10	<10	<5	0.22	43	<5	111	2
DR-1 #14		0.013	18	9.3	15	<5	28.2	<10	<10	<5	0.25	31	<5	114	<1
DR-1 #15		0.020	22	11.2	<10	<5	20.0	<10	<10	<5	0.23	29	<5	116	<1
DR-1 #16		0.016	11	10.9	<10	<5	6.7	<10	<10	<5	0.32	20	<5	154	4
DR-1 #17		0.021	18	10.8	<10	<5	20.8	<10	<10	<5	0.27	28	<5	131	<1
DR-1 #18		0.016	19	13.2	<10	<5	23.3	<10	<10	<5	0.36	36	<5	175	<1
DR-1 #19		0.023	16	19.6	<10	<5	20.7	<10	<10	<5	0.37	42	<5	225	2
DR-32 #1		0.007	17	3.9	<10	<5	19.9	<10	<10	<5	0.05	26	<5	43.4	<1
DR-32 #2		0.028	34	8.4	<10	<5	36.4	<10	<10	<5	0.14	50	<5	102	<1
DR-32 #3		0.006	14	8.0	<10	<5	13.6	<10	<10	<5	0.11	21	<5	82.8	<1

Certified By:



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DATE SAMPLED: Aug 21, 2012		DATE RECEIVED: Aug 21, 2012					DATE REPORTED: Sep 27, 2012					SAMPLE TYPE: Soil			
	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 Description	RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
DR-32 #4		0.028	28	6.8	23	<5	24.0	<10	<10	<5	0.06	46	<5	79.1	<1
DR-32 #5		0.044	37	5.8	<10	23	72.9	<10	<10	<5	0.09	52	<5	69.6	<1
DR-32 #6		0.012	19	10.8	<10	<5	20.2	<10	<10	<5	0.19	22	<5	115	<1
DR-32 #7		0.011	19	8.3	<10	<5	11.3	<10	<10	<5	0.12	21	<5	107	5
DR-32 #8		0.106	37	5.7	<10	187	146	<10	<10	<5	0.10	64	<5	77.2	<1
DR-32 #9		0.009	21	12.4	<10	<5	19.3	<10	<10	<5	0.16	30	<5	127	<1
DR-32 #10		0.008	15	4.2	<10	<5	19.6	<10	<10	<5	0.05	29	<5	44.1	<1
DR-32 #11		0.006	16	6.3	11	<5	15.0	<10	<10	<5	0.09	19	<5	72.3	<1
DR-32 #12		0.006	17	6.9	32	<5	14.2	<10	<10	<5	0.09	24	<5	71.1	<1
DR-32 #13		<0.005	18	5.6	<10	<5	17.6	<10	<10	<5	0.09	24	<5	63.6	<1
DR-32 #14		0.010	25	6.5	<10	<5	23.4	<10	<10	<5	0.10	34	<5	75.5	<1
DR-32 #15		0.126	40	3.5	<10	286	135	<10	<10	<5	0.05	70	<5	47.9	<1
DR-32 #16		<0.005	13	3.6	<10	<5	7.2	<10	<10	10	0.03	11	<5	22.3	<1
DR-32 #17		0.029	31	3.8	<10	<5	77.6	<10	<10	<5	0.05	48	<5	43.7	<1
DR-32 #18		<0.005	9	3.6	<10	<5	8.2	<10	<10	5	0.04	10	<5	28.8	<1
DR-32 #19		0.029	27	3.6	<10	<5	50.6	<10	<10	<5	0.04	41	<5	43.7	<1
DR-33 #1		0.028	24	3.0	14	<5	40.8	<10	<10	<5	0.05	39	<5	39.3	<1
DR-33 #2		0.018	33	5.5	<10	<5	45.3	<10	10	7	0.08	46	<5	57.9	<1
DR-33 #3		0.013	17	3.0	<10	<5	23.8	<10	<10	<5	0.05	25	<5	33.8	<1
DR-33 #4		0.011	17	2.4	<10	<5	19.9	<10	<10	<5	0.03	25	<5	24.4	<1
DR-33 #5		0.030	24	2.8	<10	<5	43.4	<10	<10	<5	0.04	40	<5	31.1	<1
DR-33 #6		0.024	26	2.6	<10	<5	41.9	<10	<10	<5	0.04	42	<5	26.6	<1
DR-33 #7		0.032	22	2.8	<10	<5	44.4	<10	<10	<5	0.04	41	<5	32.4	<1
DR-33 #8		0.017	18	2.8	<10	<5	27.4	<10	<10	<5	0.04	31	<5	30.6	<1
DR-33 #9		0.008	21	4.3	<10	<5	25.4	<10	<10	<5	0.06	29	<5	47.9	<1
DR-33 #10		0.006	12	5.0	<10	<5	21.2	<10	<10	<5	0.05	27	<5	50.0	<1
DR-33 #11		0.005	16	3.8	<10	<5	19.7	<10	<10	<5	0.04	22	<5	36.3	<1
DR-33 #12		0.032	31	2.7	<10	<5	50.1	<10	<10	<5	0.04	48	<5	32.5	<1
DR-33 #13		0.012	20	4.3	<10	<5	22.9	<10	<10	<5	0.08	28	<5	58.1	<1
DR-33 #14		0.031	23	3.9	<10	<5	37.3	<10	<10	<5	0.06	30	<5	43.8	<1
DR-33 #15		0.006	13	3.0	12	<5	19.1	<10	<10	<5	0.04	24	<5	35.6	<1
DR-33 #16		0.011	22	4.9	<10	<5	24.8	<10	<10	<5	0.07	34	<5	57.5	<1

Certified By:

Y. Chen



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 12Y632730

PROJECT NO:

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 YT

ATTENTION TO: Don Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Aug 21, 2012			DATE RECEIVED: Aug 21, 2012					DATE REPORTED: Sep 27, 2012				SAMPLE TYPE: Soil			
	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 Description	RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
DR-33 #17		0.006	9	2.5	<10	<5	9.3	<10	<10	<5	0.02	23	<5	27.0	<1
DR-33 #18		0.012	20	2.9	<10	<5	20.5	<10	<10	<5	0.04	35	<5	26.1	<1
DR-33 #19		0.089	27	4.4	<10	<5	75.8	<10	<10	<5	0.05	48	<5	54.4	<1

Certified By:

Y. Chen



Certificate of Analysis

AGAT WORK ORDER: 12Y632730

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ATTENTION TO: Don Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Aug 21, 2012

DATE RECEIVED: Aug 21, 2012

DATE REPORTED: Sep 27, 2012

SAMPLE TYPE: Soil

Analyte:	Y	Zn	Zr
Unit:	ppm	ppm	ppm
RDL:	1	0.5	5
Sample Description			
CAMP #1	11	75.6	<5
CREEK E #1	8	128	<5
CREEK E #2	10	114	<5
CREEK E #3	10	122	5
CREEK E #4	10	138	<5
CREEK E #5	10	93.9	5
CREEK E #6	8	103	5
CREEK E #7	10	264	<5
CREEK E #8	12	102	<5
CREEK E #9	12	93.6	<5
DR-1 #1	17	1230	<5
DR-1 #2	21	93.6	<5
DR-1 #3	8	124	<5
DR-1 #4	31	518	<5
DR-1 #5	10	216	<5
DR-1 #6	16	288	<5
DR-1 #7	18	330	<5
DR-1 #8	13	170	<5
DR-1 #9	10	132	<5
DR-1 #10	14	205	<5
DR-1 #11	17	389	<5
DR-1 #12	22	178	<5
DR-1 #13	13	193	<5
DR-1 #14	12	134	5
DR-1 #15	12	182	<5
DR-1 #16	4	164	<5
DR-1 #17	9	84.1	<5
DR-1 #18	11	108	<5
DR-1 #19	10	163	<5
DR-32 #1	9	310	<5
DR-32 #2	13	148	<5
DR-32 #3	16	107	<5

Certified By:



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Certificate of Analysis

AGAT WORK ORDER: 12Y632730

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CLIENT NAME: MISC AGAT CLIENT YT

ATTENTION TO: Don Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Aug 21, 2012

DATE RECEIVED: Aug 21, 2012

DATE REPORTED: Sep 27, 2012

SAMPLE TYPE: Soil

Sample Description	Analyte:	Y	Zn	Zr
	Unit:	ppm	ppm	ppm
	RDL:	1	0.5	5
DR-32 #4		12	107	<5
DR-32 #5		10	116	<5
DR-32 #6		17	212	5
DR-32 #7		8	414	<5
DR-32 #8		9	158	<5
DR-32 #9		16	323	5
DR-32 #10		10	71.2	5
DR-32 #11		10	111	<5
DR-32 #12		10	124	6
DR-32 #13		10	70.1	6
DR-32 #14		12	89.7	7
DR-32 #15		7	55.3	<5
DR-32 #16		11	48.7	7
DR-32 #17		7	63.4	<5
DR-32 #18		7	47.4	5
DR-32 #19		8	76.4	<5
DR-33 #1		7	58.0	<5
DR-33 #2		14	92.2	5
DR-33 #3		7	48.7	<5
DR-33 #4		6	45.1	<5
DR-33 #5		7	44.9	<5
DR-33 #6		6	40.3	<5
DR-33 #7		7	48.1	<5
DR-33 #8		7	45.1	<5
DR-33 #9		9	63.8	5
DR-33 #10		10	161	5
DR-33 #11		8	88.0	5
DR-33 #12		6	50.5	<5
DR-33 #13		10	327	<5
DR-33 #14		9	105	<5
DR-33 #15		7	64.4	<5
DR-33 #16		10	167	<5

Certified By:

Y. Chen



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Certificate of Analysis

AGAT WORK ORDER: 12Y632730

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CLIENT NAME: MISC AGAT CLIENT YT

ATTENTION TO: Don Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Aug 21, 2012

DATE RECEIVED: Aug 21, 2012

DATE REPORTED: Sep 27, 2012

SAMPLE TYPE: Soil

	Analyte:	Y	Zn	Zr
	Unit:	ppm	ppm	ppm
Sample Description	RDL:	1	0.5	5
DR-33 #17		6	75.2	<5
DR-33 #18		7	80.1	<5
DR-33 #19		8	283	<5

Comments: RDL - Reported Detection Limit

Certified By:

Y. Chen



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 12Y632730

PROJECT NO:

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CLIENT NAME: MISC AGAT CLIENT YT

ATTENTION TO: Don Hutton

Fire Assay - Trace Au, ICP-OES finish (202052)

DATE SAMPLED: Aug 21, 2012

DATE RECEIVED: Aug 21, 2012

DATE REPORTED: Sep 27, 2012

SAMPLE TYPE: Soil

Analyte:	Sample Login Weight	Au
Unit:	kg	ppm
Sample Description	RDL:	
CAMP #1	0.42	0.004
CREEK E #1	0.24	0.004
CREEK E #2	0.34	0.004
CREEK E #3	0.26	0.004
CREEK E #4	0.23	0.003
CREEK E #5	0.35	0.019
CREEK E #6	0.25	0.002
CREEK E #7	0.36	0.002
CREEK E #8	0.40	0.004
CREEK E #9	0.32	0.002
DR-1 #1	0.18	0.004
DR-1 #2	0.45	0.006
DR-1 #3	0.25	0.007
DR-1 #4	0.40	0.014
DR-1 #5	0.21	0.004
DR-1 #6	0.26	0.012
DR-1 #7	0.66	0.009
DR-1 #8	0.60	0.010
DR-1 #9	0.62	0.004
DR-1 #10	0.72	0.012
DR-1 #11	0.64	0.015
DR-1 #12	0.36	0.011
DR-1 #13	0.34	0.014
DR-1 #14	0.38	0.003
DR-1 #15	0.28	0.013
DR-1 #16	0.15	0.002
DR-1 #17	0.17	0.001
DR-1 #18	0.45	0.003
DR-1 #19	0.24	0.006
DR-32 #1	0.34	0.025
DR-32 #2	0.27	0.004

Certified By:

Y. Chen



Certificate of Analysis

AGAT WORK ORDER: 12Y632730

PROJECT NO:

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 YT

ATTENTION TO: Don Hutton

Fire Assay - Trace Au, ICP-OES finish (202052)

DATE SAMPLED: Aug 21, 2012

DATE RECEIVED: Aug 21, 2012

DATE REPORTED: Sep 27, 2012

SAMPLE TYPE: Soil

Sample Description	Analyte:	Sample Login Weight	Au
	Unit:	kg	ppm
	RDL:	0.01	0.001
DR-32 #3		0.17	0.006
DR-32 #4		0.41	0.010
DR-32 #5		0.40	0.009
DR-32 #6		0.33	0.005
DR-32 #7		0.17	0.051
DR-32 #8		0.43	0.003
DR-32 #9		0.40	0.006
DR-32 #10		0.38	0.030
DR-32 #11		0.22	0.003
DR-32 #12		0.24	0.011
DR-32 #13		0.37	0.007
DR-32 #14		0.19	0.020
DR-32 #15		0.35	0.005
DR-32 #16		0.44	0.003
DR-32 #17		0.34	0.010
DR-32 #18		0.25	0.002
DR-32 #19		0.31	0.006
DR-33 #1		0.36	0.004
DR-33 #2		0.32	0.004
DR-33 #3		0.44	0.004
DR-33 #4		0.45	0.001
DR-33 #5		0.46	0.005
DR-33 #6		0.32	0.001
DR-33 #7		0.34	0.005
DR-33 #8		0.34	0.004
DR-33 #9		0.44	0.003
DR-33 #10		0.27	0.005
DR-33 #11		0.48	0.019
DR-33 #12		0.46	0.005
DR-33 #13		0.40	0.003
DR-33 #14		0.45	0.002

Certified By:



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Certificate of Analysis

AGAT WORK ORDER: 12Y632730

PROJECT NO:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
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TEL (905)501-9998
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CLIENT NAME: MISC AGAT CLIENT YT

ATTENTION TO: Don Hutton

Fire Assay - Trace Au, ICP-OES finish (202052)

DATE SAMPLED: Aug 21, 2012

DATE RECEIVED: Aug 21, 2012

DATE REPORTED: Sep 27, 2012

SAMPLE TYPE: Soil

Analyte:	Sample Login Weight	Au
Unit:	kg	ppm
Sample Description	RDL:	
DR-33 #15	0.01	0.001
DR-33 #15	0.51	0.002
DR-33 #16	0.39	0.005
DR-33 #17	0.38	0.003
DR-33 #18	0.20	0.003
DR-33 #19	0.25	0.003

Comments: RDL - Reported Detection Limit

Certified By:

Y. Chen



Quality Assurance

CLIENT NAME: MISC AGAT CLIENT YT

AGAT WORK ORDER: 12Y632730

PROJECT NO:

ATTENTION TO: Don Hutton

Solid Analysis											
RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
Aqua Regia Digest - Metals Package, ICP-OES finish (201073)											
Ag	1	3629319	< 0.2	< 0.2	0.0%	< 0.2	14.4	14.0	102%	80%	120%
Al	1	3629319	0.91	1.01	10.4%	< 0.01				80%	120%
As	1	3629319	35	31	12.1%	1				80%	120%
B	1	3629319	< 5	< 5	0.0%	< 5				80%	120%
Ba	1	3629319	242	261	7.6%	< 1				80%	120%
Be	1	3629319	< 0.5	< 0.5	0.0%	< 0.5				80%	120%
Bi	1	3629319	1	4		< 1				80%	120%
Ca	1	3629319	0.274	0.306	11.0%	< 0.01				80%	120%
Cd	1	3629319	0.55	0.54	1.8%	< 0.5				80%	120%
Ce	1	3629319	30	34	12.5%	< 1				80%	120%
Co	1	3629319	6.8	6.8	0.0%	< 0.5				80%	120%
Cr	1	3629319	23.5	21.7	8.0%	< 0.5				80%	120%
Cu	1	3629319	47.0	46.5	1.1%	< 0.5	5912	6000	98%	80%	120%
Fe	1	3629319	2.02	2.12	4.8%	< 0.01				80%	120%
Ga	1	3629319	< 5	< 5	0.0%	< 5				80%	120%
Hg	1	3629319	< 1	< 1	0.0%	< 1				80%	120%
In	1	3629319	< 1	2		< 1				80%	120%
K	1	3629319	0.052	0.070	29.5%	< 0.01				80%	120%
La	1	3629319	15	16	6.5%	< 1				80%	120%
Li	1	3629319	10	11	9.5%	< 1				80%	120%
Mg	1	3629319	0.389	0.408	4.8%	< 0.01				80%	120%
Mn	1	3629319	313	319	1.9%	< 1				80%	120%
Mo	1	3629319	4.4	3.8	14.6%	< 0.5	380	360	105%	80%	120%
Na	1	3629319	0.01	0.01	0.0%	< 0.01				80%	120%
Ni	1	3629319	21.1	19.7	6.9%	0.1				80%	120%
P	1	3629319	683	703	2.9%	< 10				80%	120%
Pb	1	3629319	16.2	15.8	2.5%	< 0.5				80%	120%
Rb	1	3629319	11	13	16.7%	< 10				80%	120%
S	1	3629319	< 0.005	< 0.005	0.0%	< 0.005				80%	120%
Sb	1	3629319	17	15	12.5%	1				80%	120%
Sc	1	3629319	4.72	5.01	6.0%	< 0.5				80%	120%
Se	1	3629319	15	< 10		< 10				80%	120%
Sn	1	3629319	< 5	< 5	0.0%	< 5				80%	120%
Sr	1	3629319	19.0	22.5	16.9%	< 0.5				80%	120%
Ta	1	3629319	< 10	< 10	0.0%	< 10				80%	120%
Te	1	3629319	< 10	< 10	0.0%	< 10				80%	120%
Th	1	3629319	< 5	< 5	0.0%	< 5				80%	120%
Ti	1	3629319	0.052	0.066	23.7%	< 0.01				80%	120%
Tl	1	3629319	22	23	4.4%	< 5				80%	120%
U	1	3629319	< 5	< 5	0.0%	< 5				80%	120%
V	1	3629319	41.0	44.5	8.2%	< 0.5				80%	120%
W	1	3629319	< 1	< 1	0.0%	< 1				80%	120%
Y	1	3629319	11	11	0.0%	< 1	6	7	90%	80%	120%
Zn	1	3629319	75.6	74.2	1.9%	< 0.5				80%	120%

Quality Assurance

CLIENT NAME: MISC AGAT CLIENT YT

AGAT WORK ORDER: 12Y632730

PROJECT NO:

ATTENTION TO: Don Hutton

Solid Analysis (Continued)											
RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
Zr	1	3629319	5	5	0.0%	< 5				80%	120%
Aqua Regia Digest - Metals Package, ICP-OES finish (201073)											
Ag	1	3629337	< 0.2	< 0.2	0.0%	< 0.2	13.7	14.0	97%	80%	120%
Al	1	3629337	1.75	1.74	0.6%	< 0.01				80%	120%
As	1	3629337	31	32	3.2%	< 1				80%	120%
B	1	3629337	< 5	< 5	0.0%	< 5				80%	120%
Ba	1	3629337	242	242	0.0%	< 1				80%	120%
Be	1	3629337	0.6	0.6	0.0%	< 0.5				80%	120%
Bi	1	3629337	4	3	28.6%	< 1				80%	120%
Ca	1	3629337	0.24	0.24	0.0%	< 0.01				80%	120%
Cd	1	3629337	0.9	1.0	10.5%	< 0.5				80%	120%
Ce	1	3629337	32	33	3.1%	< 1				80%	120%
Co	1	3629337	8.66	8.63	0.3%	< 0.5				80%	120%
Cr	1	3629337	33.8	36.0	6.3%	0.5				80%	120%
Cu	1	3629337	62.9	62.1	1.3%	< 0.5	5957	6000	99%	80%	120%
Fe	1	3629337	2.90	2.81	3.2%	< 0.01				80%	120%
Ga	1	3629337	6	6	0.0%	< 5				80%	120%
Hg	1	3629337	< 1	< 1	0.0%	1				80%	120%
In	1	3629337	< 1	< 1	0.0%	< 1				80%	120%
K	1	3629337	0.09	0.09	0.0%	< 0.01				80%	120%
La	1	3629337	17	17	0.0%	< 1				80%	120%
Li	1	3629337	32	31	3.2%	< 1				80%	120%
Mg	1	3629337	0.58	0.58	0.0%	< 0.01				80%	120%
Mn	1	3629337	469	469	0.0%	< 1				80%	120%
Mo	1	3629337	4.16	3.51	16.9%	< 0.5	359	360	99%	80%	120%
Na	1	3629337	0.01	0.01	0.0%	< 0.01				80%	120%
Ni	1	3629337	21.8	22.7	4.0%	< 0.5				80%	120%
P	1	3629337	435	430	1.2%	10				80%	120%
Pb	1	3629337	21.8	22.8	4.5%	< 0.5				80%	120%
Rb	1	3629337	38	38	0.0%	< 10				80%	120%
S	1	3629337	0.005	0.005	0.0%	< 0.005				80%	120%
Sb	1	3629337	15	17	12.5%	1				80%	120%
Sc	1	3629337	6.3	6.4	1.6%	< 0.5				80%	120%
Se	1	3629337	< 10	< 10	0.0%	< 10				80%	120%
Sn	1	3629337	< 5	< 5	0.0%	< 5				80%	120%
Sr	1	3629337	17.8	18.8	5.5%	< 0.5				80%	120%
Ta	1	3629337	< 10	< 10	0.0%	< 10				80%	120%
Te	1	3629337	< 10	< 10	0.0%	< 10				80%	120%
Th	1	3629337	< 5	< 5	0.0%	< 5				80%	120%
Ti	1	3629337	0.06	0.06	0.0%	< 0.01				80%	120%
Tl	1	3629337	18	18	0.0%	< 5				80%	120%
U	1	3629337	< 5	< 5	0.0%	< 5				80%	120%
V	1	3629337	68.9	69.8	1.3%	< 0.5				80%	120%
W	1	3629337	< 1	< 1	0.0%	< 1				80%	120%

Quality Assurance

CLIENT NAME: MISC AGAT CLIENT YT

AGAT WORK ORDER: 12Y632730

PROJECT NO:

ATTENTION TO: Don Hutton

Solid Analysis (Continued)											
RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
Y	1	3629337	10	10	0.0%	< 1	7	7	102%	80%	120%
Zn	1	3629337	132	132	0.0%	0.5				80%	120%
Zr	1	3629337	< 5	< 5	0.0%	< 5				80%	120%
Aqua Regia Digest - Metals Package, ICP-OES finish (201073)											
Ag	1	3629369	< 0.2	< 0.2	0.0%	< 0.2	13.9	14.0	99%	80%	120%
Al	1	3629369	0.57	0.53	7.3%	< 0.01				80%	120%
As	1	3629369	28	28	0.0%	< 1				80%	120%
B	1	3629369	< 5	< 5	0.0%	< 5				80%	120%
Ba	1	3629369	520	472	9.7%	< 1				80%	120%
Be	1	3629369	< 0.5	< 0.5	0.0%	< 0.5				80%	120%
Bi	1	3629369	< 1	2		< 1				80%	120%
Ca	1	3629369	0.36	0.32	11.8%	< 0.01				80%	120%
Cd	1	3629369	0.5	0.5	0.0%	< 0.5				80%	120%
Ce	1	3629369	33	31	6.3%	< 1				80%	120%
Co	1	3629369	6.31	6.12	3.1%	< 0.5				80%	120%
Cr	1	3629369	14.3	13.2	8.0%	< 0.5				80%	120%
Cu	1	3629369	24.3	23.3	4.2%	< 0.5	5983	6000	99%	80%	120%
Fe	1	3629369	1.73	1.59	8.4%	< 0.01				80%	120%
Ga	1	3629369	< 5	< 5	0.0%	< 5				80%	120%
Hg	1	3629369	< 1	1		< 1				80%	120%
In	1	3629369	< 1	< 1	0.0%	< 1				80%	120%
K	1	3629369	0.06	0.06	0.0%	< 0.01				80%	120%
La	1	3629369	15	14	6.9%	< 1				80%	120%
Li	1	3629369	7	6	15.4%	< 1				80%	120%
Mg	1	3629369	0.268	0.251	6.6%	< 0.01				80%	120%
Mn	1	3629369	341	328	3.9%	< 1				80%	120%
Mo	1	3629369	3.4	3.8	11.1%	< 0.5	357	360	99%	80%	120%
Na	1	3629369	0.01	0.01	0.0%	< 0.01				80%	120%
Ni	1	3629369	16.7	16.2	3.0%	< 0.5				80%	120%
P	1	3629369	943	840	11.6%	< 10				80%	120%
Pb	1	3629369	7.07	6.94	1.9%	< 0.5				80%	120%
Rb	1	3629369	< 10	< 10	0.0%	< 10				80%	120%
S	1	3629369	0.013	0.012	8.0%	< 0.005				80%	120%
Sb	1	3629369	17	19	11.1%	< 1				80%	120%
Sc	1	3629369	2.99	2.80	6.6%	< 0.5				80%	120%
Se	1	3629369	< 10	12		< 10				80%	120%
Sn	1	3629369	< 5	< 5	0.0%	< 5				80%	120%
Sr	1	3629369	23.8	21.9	8.3%	< 0.5				80%	120%
Ta	1	3629369	< 10	< 10	0.0%	< 10				80%	120%
Te	1	3629369	< 10	< 10	0.0%	< 10				80%	120%
Th	1	3629369	< 5	< 5	0.0%	< 5				80%	120%
Ti	1	3629369	0.049	0.043	13.0%	< 0.01				80%	120%
Tl	1	3629369	25	25	0.0%	< 5				80%	120%
U	1	3629369	< 5	< 5	0.0%	< 5				80%	120%

Quality Assurance

CLIENT NAME: MISC AGAT CLIENT YT

AGAT WORK ORDER: 12Y632730

PROJECT NO:

ATTENTION TO: Don Hutton

Solid Analysis (Continued)											
RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
V	1	3629369	33.8	30.9	9.0%	< 0.5				80%	120%
W	1	3629369	< 1	< 1	0.0%	< 1				80%	120%
Y	1	3629369	7	7	0.0%	< 1	7	7	103%	80%	120%
Zn	1	3629369	48.7	46.1	5.5%	< 0.5				80%	120%
Zr	1	3629369	< 5	< 5	0.0%	< 5				80%	120%
Aqua Regia Digest - Metals Package, ICP-OES finish (201073)											
Ag	1	3629388	0.3	0.3	0.0%	< 0.2	13.3	14.0	95%	80%	120%
Al	1	3629388	1.39	1.28	8.2%	< 0.01				80%	120%
As	1	3629388	45	44	2.2%	< 1				80%	120%
B	1	3629388	7	7	0.0%	< 5				80%	120%
Ba	1	3629388	587	554	5.8%	< 1				80%	120%
Be	1	3629388	< 0.5	< 0.5	0.0%	< 0.5				80%	120%
Bi	1	3629388	< 1	< 1	0.0%	< 1				80%	120%
Ca	1	3629388	1.54	1.44	6.7%	< 0.01				80%	120%
Cd	1	3629388	1.9	1.9	0.0%	< 0.5				80%	120%
Ce	1	3629388	32	31	3.2%	< 1				80%	120%
Co	1	3629388	9.7	9.4	3.1%	< 0.5				80%	120%
Cr	1	3629388	26.5	30.3	13.4%	< 0.5				80%	120%
Cu	1	3629388	39.0	38.3	1.8%	< 0.5	5820	6000	97%	80%	120%
Fe	1	3629388	2.12	2.02	4.8%	< 0.01				80%	120%
Ga	1	3629388	4	5	22.2%	< 5				80%	120%
Hg	1	3629388	< 1	< 1	0.0%	< 1				80%	120%
In	1	3629388	< 1	< 1	0.0%	< 1				80%	120%
K	1	3629388	0.088	0.072	20.0%	< 0.01				80%	120%
La	1	3629388	14	14	0.0%	< 1				80%	120%
Li	1	3629388	19	18	5.4%	< 1				80%	120%
Mg	1	3629388	0.557	0.532	4.6%	< 0.01				80%	120%
Mn	1	3629388	674	663	1.6%	< 1				80%	120%
Mo	1	3629388	5.2	6.5	22.2%	< 0.5	341	360	94%	80%	120%
Na	1	3629388	0.02	0.02	0.0%	< 0.01				80%	120%
Ni	1	3629388	22.6	27.0	17.7%	< 0.5				80%	120%
P	1	3629388	1120	1110	0.9%	< 10				80%	120%
Pb	1	3629388	45.6	45.5	0.2%	< 0.5				80%	120%
Rb	1	3629388	25	23	8.3%	< 10				80%	120%
S	1	3629388	0.089	0.084	5.8%	< 0.005				80%	120%
Sb	1	3629388	27	27	0.0%	< 1				80%	120%
Sc	1	3629388	4.4	4.2	4.7%	< 0.5				80%	120%
Se	1	3629388	< 10	< 10	0.0%	< 10				80%	120%
Sn	1	3629388	< 5	< 5	0.0%	< 5				80%	120%
Sr	1	3629388	75.8	71.0	6.5%	< 0.5				80%	120%
Ta	1	3629388	< 10	< 10	0.0%	< 10				80%	120%
Te	1	3629388	< 10	< 10	0.0%	< 10				80%	120%
Th	1	3629388	< 5	< 5	0.0%	< 5				80%	120%
Ti	1	3629388	0.05	0.04	22.2%	< 0.01				80%	120%
Tl	1	3629388	48	45	6.5%	< 5				80%	120%



Quality Assurance

CLIENT NAME: MISC AGAT CLIENT YT

AGAT WORK ORDER: 12Y632730

PROJECT NO:

ATTENTION TO: Don Hutton

Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL			
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits
										Lower Upper
U	1	3629388	< 5	< 5	0.0%	< 5				80% 120%
V	1	3629388	54.4	51.1	6.3%	< 0.5				80% 120%
W	1	3629388	< 1	< 1	0.0%	< 1				80% 120%
Y	1	3629388	8	8	0.0%	< 1	7	7	94%	80% 120%
Zn	1	3629388	283	282	0.4%	< 0.5				80% 120%
Zr	1	3629388	< 5	< 5	0.0%	< 5				80% 120%
Aqua Regia Digest - Metals Package, ICP-OES finish (201073)										
Ag	1					< 0.2	14.2	14.0	101%	80% 120%
Cu	1					< 0.5	6101	6000	101%	80% 120%
Mo	1					< 0.5	358	360	99%	80% 120%
Y	1					< 1	7	7	104%	80% 120%
Fire Assay - Trace Au, ICP-OES finish (202052)										
Au	1	3629319	0.0042	0.0032	27.0%	< 0.001	0.282	0.263	107%	90% 110%
Fire Assay - Trace Au, ICP-OES finish (202052)										
Au	1	3629331	0.007	0.006	15.4%	< 0.001	1.51	1.52	100%	90% 110%
Fire Assay - Trace Au, ICP-OES finish (202052)										
Au	1	3629356	0.006	0.008	28.6%	< 0.001				90% 110%
Fire Assay - Trace Au, ICP-OES finish (202052)										
Au	1	3629369	0.004	0.008		< 0.001				90% 110%
Fire Assay - Trace Au, ICP-OES finish (202052)										
Au	1	3629382	0.0024	0.0027	11.8%	< 0.001				90% 110%

Certified By:

Y. Chen

Method Summary

CLIENT NAME: MISC AGAT CLIENT YT

AGAT WORK ORDER: 12Y632730

PROJECT NO:

ATTENTION TO: Don Hutton

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
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
Sample Login Weight	MIN-12009		BALANCE
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES

CLIENT NAME: MISC AGAT CLIENT YT, YT
(403)

ATTENTION TO: Donald Hutton

PROJECT NO:

AGAT WORK ORDER: 12Y642181

SOLID ANALYSIS REVIEWED BY: Ron Cardinal, Certified Assayer - Director - Technical Services (Mining)

DATE REPORTED: Oct 15, 2012

PAGES (INCLUDING COVER): 10

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

*NOTES



Certificate of Analysis

AGAT WORK ORDER: 12Y642181

PROJECT NO:

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 YT

ATTENTION TO: Donald Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Sep 14, 2012		DATE RECEIVED: Sep 14, 2012					DATE REPORTED: Oct 15, 2012					SAMPLE TYPE: Rock			
	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	%
Sample Description	RDL:	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01
AL-8-N Outcrop #1		4.3	0.39	276	<5	46	<0.5	13	0.08	7.2	7	15.7	671	141	7.44
AL-8-N Outcrop #2		<0.2	0.39	12	<5	47	<0.5	3	0.03	<0.5	6	3.5	60.7	9.9	1.23
AL-8-N Outcrop #3		0.7	0.87	279	<5	52	<0.5	3	0.04	1.7	2	13.4	296	26.5	2.99
Creek Cutbank #1		<0.2	0.10	6	<5	21	<0.5	<1	0.43	0.5	6	1.5	51.7	5.1	0.77
DR-3-6-4 #1		25.9	0.22	<1	29	61	1.1	<1	4.37	150	140	130	15.1	955	20.2
DR-3-6-4 #2		<0.2	0.72	2	<5	16	0.6	<1	0.61	1.1	8	8.6	56.8	86.4	1.60
DR-3-6-4 #3		<0.2	4.63	<1	<5	375	1.2	<1	0.33	3.0	10	20.6	123	131	7.28
DR-3-6-4 #4		<0.2	2.98	<1	<5	70	1.1	17	0.39	2.5	3	10.2	92.6	102	5.62
DR-3-6-4 #5		<0.2	0.90	28	<5	26	<0.5	4	0.07	0.6	25	5.5	58.6	21.2	1.81
DR-3-6-4 #6		<0.2	0.81	<1	<5	25	0.7	<1	0.53	0.9	4	4.1	42.5	114	1.69
DR-3-6-4 #7		0.3	3.66	<1	<5	91	1.2	<1	0.34	2.7	10	14.1	98.1	90.6	6.32
Outcrop East #1		<0.2	1.32	3	<5	36	<0.5	1	0.07	1.0	33	8.7	52.3	28.4	2.72
Outcrop East #2		<0.2	1.42	4	<5	52	1.0	<1	0.09	1.1	26	7.2	50.3	24.3	2.81
Outcrop East #3		<0.2	1.26	24	<5	49	0.6	4	0.03	1.4	8	16.7	83.3	45.8	3.42
Outcrop East #4		2.0	0.57	<1	<5	35	0.6	15	0.02	0.9	8	3.5	61.8	119	2.45
Outcrop East #5		<0.2	1.62	11	<5	72	0.5	5	0.07	1.0	16	7.7	57.2	62.0	3.47
Outcrop East #6		<0.2	1.01	1	<5	23	<0.5	<1	0.04	0.8	26	9.3	43.1	22.8	2.25
Outcrop East #7		<0.2	2.95	120	<5	159	1.5	14	0.08	1.9	53	19.9	68.0	142	5.56
Outcrop East #8		0.5	2.78	<1	<5	67	0.6	16	0.12	2.3	21	16.6	51.0	226	5.80
Outcrop East #9		<0.2	2.59	53	<5	106	1.0	13	0.06	1.8	41	12.1	67.4	80.0	4.28
Outcrop East #10		<0.2	2.80	3	<5	47	1.0	11	0.07	1.9	59	15.5	52.8	49.4	5.33
Outcrop East #11		2.0	1.29	6	<5	47	0.5	2	0.77	1.0	24	10.9	51.0	248	2.38
Outcrop East #12		<0.2	2.65	<1	<5	82	0.8	<1	0.15	1.8	27	13.7	61.2	60.0	4.80
Outcrop East #13		<0.2	2.98	<1	<5	84	1.1	26	0.14	2.6	37	17.1	58.6	94.0	5.21

Certified By:

Ron Cardinal



Certificate of Analysis

AGAT WORK ORDER: 12Y642181

PROJECT NO:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
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TEL (905)501-9998
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<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT YT

ATTENTION TO: Donald Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Sep 14, 2012		DATE RECEIVED: Sep 14, 2012				DATE REPORTED: Oct 15, 2012				SAMPLE TYPE: Rock					
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 Description															
AL-8-N Outcrop #1		8	<1	1	0.06	8	9	0.11	4070	4.8	<0.01	102	275	99.3	12
AL-8-N Outcrop #2		<5	<1	<1	0.10	2	13	0.22	445	3.0	<0.01	12.3	130	7.4	17
AL-8-N Outcrop #3		10	<1	<1	0.02	2	36	0.79	230	3.5	<0.01	130	101	30.4	<10
Creek Cutbank #1		<5	<1	<1	0.01	4	2	0.04	126	6.1	<0.01	4.9	123	4.6	<10
DR-3-6-4 #1		6	<1	<1	0.28	66	4	0.04	12600	27.4	0.02	10.8	211	131	22
DR-3-6-4 #2		<5	<1	<1	0.09	4	8	0.34	573	7.8	<0.01	32.3	557	3.6	11
DR-3-6-4 #3		19	<1	<1	1.96	7	162	2.47	777	7.1	0.09	30.0	377	14.2	279
DR-3-6-4 #4		15	<1	<1	0.15	3	165	1.79	768	7.1	0.03	18.8	411	11.2	25
DR-3-6-4 #5		<5	<1	<1	0.18	10	32	0.44	536	3.2	<0.01	10.9	265	5.8	32
DR-3-6-4 #6		5	<1	<1	0.07	2	8	0.26	261	6.6	<0.01	6.6	354	4.7	20
DR-3-6-4 #7		17	<1	<1	0.70	7	114	1.85	696	3.1	0.01	29.0	633	589	139
Outcrop East #1		7	3	<1	0.21	12	42	0.66	790	2.8	<0.01	20.0	295	11.8	39
Outcrop East #2		6	<1	<1	0.38	9	51	0.69	597	2.9	<0.01	21.1	370	7.8	90
Outcrop East #3		6	<1	<1	0.22	3	43	0.53	671	1.2	<0.01	25.9	177	3.7	46
Outcrop East #4		<5	<1	2	0.15	8	11	0.16	242	1.7	<0.01	6.4	98	24.8	35
Outcrop East #5		7	4	<1	0.25	8	63	0.78	563	1.3	<0.01	14.8	427	18.8	42
Outcrop East #6		<5	7	<1	0.13	6	36	0.50	576	2.1	<0.01	18.6	159	4.4	22
Outcrop East #7		10	<1	5	1.05	27	97	1.27	734	4.2	0.01	36.0	526	17.2	197
Outcrop East #8		15	2	<1	0.26	6	102	1.34	1750	3.1	<0.01	44.1	541	30.7	61
Outcrop East #9		8	<1	<1	0.46	12	79	0.97	601	<0.5	<0.01	24.8	320	8.2	87
Outcrop East #10		10	<1	<1	0.31	23	89	1.51	847	1.6	<0.01	37.4	373	7.4	62
Outcrop East #11		7	<1	<1	0.30	11	36	0.49	750	6.4	<0.01	17.6	519	7.1	84
Outcrop East #12		11	<1	<1	0.39	14	78	1.35	1100	2.9	0.01	23.9	719	8.3	69
Outcrop East #13		11	<1	<1	0.55	15	105	1.25	964	<0.5	0.02	36.3	845	7.8	88

Certified By:

Ron Cardinal



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 12Y642181

PROJECT NO:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: MISC AGAT CLIENT YT

ATTENTION TO: Donald Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Sep 14, 2012		DATE RECEIVED: Sep 14, 2012					DATE REPORTED: Oct 15, 2012					SAMPLE TYPE: Rock			
	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 Description	RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
AL-8-N Outcrop #1		0.061	850	4.1	64	<5	9.0	<10	<10	<5	<0.01	49	7	42.9	<1
AL-8-N Outcrop #2		<0.005	3	1.4	47	<5	1.3	<10	<10	<5	<0.01	16	<5	15.4	<1
AL-8-N Outcrop #3		0.008	102	2.3	29	<5	1.4	<10	<10	<5	<0.01	15	<5	23.6	<1
Creek Cutbank #1		0.009	42	0.6	<10	<5	8.5	<10	<10	<5	<0.01	84	<5	4.0	<1
DR-3-6-4 #1		0.089	85	5.7	69	<5	484	39	25	<5	<0.01	252	312	37.6	<1
DR-3-6-4 #2		0.007	36	2.5	19	<5	3.7	<10	<10	<5	0.14	89	<5	48.0	45
DR-3-6-4 #3		0.127	18	24.8	<10	<5	43.6	<10	<10	<5	0.36	84	<5	234	<1
DR-3-6-4 #4		0.007	22	16.6	<10	<5	2.4	<10	<10	<5	0.29	104	<5	164	<1
DR-3-6-4 #5		<0.005	11	1.5	27	<5	1.9	<10	<10	<5	0.02	28	<5	25.4	<1
DR-3-6-4 #6		0.006	35	3.0	<10	<5	2.7	<10	<10	<5	0.12	88	<5	44.4	34
DR-3-6-4 #7		0.009	18	14.8	<10	<5	4.3	<10	<10	<5	0.28	92	<5	159	<1
Outcrop East #1		<0.005	10	1.9	33	<5	1.7	<10	<10	<5	<0.01	36	<5	34.4	<1
Outcrop East #2		<0.005	<1	1.9	<10	<5	1.7	<10	<10	<5	0.05	33	<5	32.8	<1
Outcrop East #3		0.006	8	2.3	<10	<5	1.9	<10	<10	<5	0.02	23	<5	32.1	<1
Outcrop East #4		0.046	3	2.1	33	<5	1.6	<10	<10	<5	0.04	19	<5	44.7	24
Outcrop East #5		0.012	4	2.2	<10	<5	5.1	<10	<10	<5	0.02	18	<5	45.8	<1
Outcrop East #6		<0.005	1	1.1	16	<5	1.0	<10	<10	<5	<0.01	20	<5	18.9	<1
Outcrop East #7		0.033	11	6.1	42	<5	6.9	<10	<10	<5	0.12	41	<5	77.4	6
Outcrop East #8		0.006	19	3.5	18	<5	2.2	<10	<10	<5	<0.01	50	<5	54.9	6
Outcrop East #9		0.010	11	3.4	21	<5	5.2	<10	<10	<5	0.04	22	<5	52.8	<1
Outcrop East #10		<0.005	7	3.2	<10	<5	2.1	<10	<10	9	0.04	35	<5	53.1	5
Outcrop East #11		0.011	40	2.8	27	<5	2.0	<10	<10	<5	0.01	100	<5	33.6	2
Outcrop East #12		<0.005	21	3.7	<10	<5	3.2	<10	<10	<5	0.02	28	<5	56.1	2
Outcrop East #13		<0.005	12	3.6	<10	<5	4.7	<10	<10	9	0.02	41	<5	56.6	7

Certified By:

Ron Cardinal



Certificate of Analysis

AGAT WORK ORDER: 12Y642181

PROJECT NO:

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 YT

ATTENTION TO: Donald Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Sep 14, 2012

DATE RECEIVED: Sep 14, 2012

DATE REPORTED: Oct 15, 2012

SAMPLE TYPE: Rock

Analyte:	Y	Zn	Zr
Unit:	ppm	ppm	ppm
RDL:	1	0.5	5
Sample Description			
AL-8-N Outcrop #1	9	970	<5
AL-8-N Outcrop #2	4	167	<5
AL-8-N Outcrop #3	5	348	<5
Creek Cutbank #1	2	26.9	<5
DR-3-6-4 #1	96	5350	<5
DR-3-6-4 #2	4	28.6	<5
DR-3-6-4 #3	6	85.1	<5
DR-3-6-4 #4	11	36.0	<5
DR-3-6-4 #5	5	31.8	<5
DR-3-6-4 #6	3	22.9	<5
DR-3-6-4 #7	10	299	<5
Outcrop East #1	10	55.9	<5
Outcrop East #2	8	46.2	<5
Outcrop East #3	7	134	<5
Outcrop East #4	4	67.3	<5
Outcrop East #5	6	84.8	<5
Outcrop East #6	6	32.9	<5
Outcrop East #7	11	157	<5
Outcrop East #8	13	172	<5
Outcrop East #9	10	137	<5
Outcrop East #10	15	82.4	<5
Outcrop East #11	19	57.8	<5
Outcrop East #12	16	98.1	<5
Outcrop East #13	19	124	<5

Comments: RDL - Reported Detection Limit

Certified By:

Ron Cardinal



Certificate of Analysis

AGAT WORK ORDER: 12Y642181

PROJECT NO:

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 YT

ATTENTION TO: Donald Hutton

Fire Assay - Trace Au, ICP-OES finish (202052)

DATE SAMPLED: Sep 14, 2012

DATE RECEIVED: Sep 14, 2012

DATE REPORTED: Oct 15, 2012

SAMPLE TYPE: Rock

Analyte:	Sample Login Weight	Au
Unit:	kg	ppm
Sample Description	RDL:	
AL-8-N Outcrop #1	0.13	0.060
AL-8-N Outcrop #2	0.13	0.005
AL-8-N Outcrop #3	0.12	0.003
Creek Cutbank #1	0.06	0.001
DR-3-6-4 #1	0.09	0.005
DR-3-6-4 #2	0.10	<0.001
DR-3-6-4 #3	0.08	<0.001
DR-3-6-4 #4	0.13	<0.001
DR-3-6-4 #5	0.09	<0.001
DR-3-6-4 #6	0.08	<0.001
DR-3-6-4 #7	0.10	<0.001
Outcrop East #1	0.16	<0.001
Outcrop East #2	0.33	0.001
Outcrop East #3	0.07	<0.001
Outcrop East #4	0.21	0.018
Outcrop East #5	0.11	<0.001
Outcrop East #6	0.18	<0.001
Outcrop East #7	0.15	<0.001
Outcrop East #8	0.17	<0.001
Outcrop East #9	0.11	<0.001
Outcrop East #10	0.21	0.006
Outcrop East #11	0.12	0.001
Outcrop East #12	0.09	0.002
Outcrop East #13	0.07	<0.001

Comments: RDL - Reported Detection Limit

Certified By:

Ron Cardinal

Quality Assurance

CLIENT NAME: MISC AGAT CLIENT YT

AGAT WORK ORDER: 12Y642181

PROJECT NO:

ATTENTION TO: Donald Hutton

Solid Analysis											
RPT Date: Oct 15, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
Aqua Regia Digest - Metals Package, ICP-OES finish (201073)											
Ag	1	3709638	4.3	4.2	2.4%	< 0.2	12.9	13.0	99%	80%	120%
Al	1	3709638	0.388	0.379	2.3%	< 0.01				80%	120%
As	1	3709638	276	270	2.2%	3				80%	120%
B	1	3709638	< 5	< 5	0.0%	< 5				80%	120%
Ba	1	3709638	46	45	2.2%	< 1				80%	120%
Be	1	3709638	< 0.5	< 0.5	0.0%	< 0.5				80%	120%
Bi	1	3709638	13	23		< 1				80%	120%
Ca	1	3709638	0.08	0.08	0.0%	< 0.01	2.23	2.21	100%	80%	120%
Cd	1	3709638	7.2	6.9	4.3%	< 0.5				80%	120%
Ce	1	3709638	7	7	0.0%	< 1				80%	120%
Co	1	3709638	15.7	15.3	2.6%	< 0.5				80%	120%
Cr	1	3709638	671	649	3.3%	< 0.5				80%	120%
Cu	1	3709638	141	135	4.3%	< 0.5	5502	6000	91%	80%	120%
Fe	1	3709638	7.44	7.30	1.9%	< 0.01				80%	120%
Ga	1	3709638	8	7	13.3%	< 5				80%	120%
Hg	1	3709638	< 1	< 1	0.0%	< 1				80%	120%
In	1	3709638	1	1	0.0%	< 1				80%	120%
K	1	3709638	0.06	0.06	0.0%	< 0.01				80%	120%
La	1	3709638	8	8	0.0%	< 1				80%	120%
Li	1	3709638	9	8	11.8%	< 1				80%	120%
Mg	1	3709638	0.107	0.104	2.8%	< 0.01				80%	120%
Mn	1	3709638	4070	4020	1.2%	< 1				80%	120%
Mo	1	3709638	4.8	5.2	8.0%	< 0.5	316	360	87%	80%	120%
Na	1	3709638	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Ni	1	3709638	102	98.9	3.1%	< 0.5				80%	120%
P	1	3709638	275	221	21.8%	< 10	671	600	112%	80%	120%
Pb	1	3709638	99.3	92.8	6.8%	1.6				80%	120%
Rb	1	3709638	12	11	8.7%	< 10	12	13	91%	80%	120%
S	1	3709638	0.061	0.060	1.7%	< 0.005				80%	120%
Sb	1	3709638	850	828	2.6%	< 1				80%	120%
Sc	1	3709638	4.1	3.9	5.0%	< 0.5				80%	120%
Se	1	3709638	64	42		< 10				80%	120%
Sn	1	3709638	< 5	< 5	0.0%	< 5				80%	120%
Sr	1	3709638	9.01	8.92	1.0%	< 0.5				80%	120%
Ta	1	3709638	< 10	< 10	0.0%	< 10				80%	120%
Te	1	3709638	< 10	< 10	0.0%	< 10				80%	120%
Th	1	3709638	< 5	< 5	0.0%	< 5				80%	120%
Ti	1	3709638	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Tl	1	3709638	49	49	0.0%	13				80%	120%
U	1	3709638	7	7	0.0%	< 5				80%	120%
V	1	3709638	42.9	41.7	2.8%	< 0.5				80%	120%
W	1	3709638	< 1	< 1	0.0%	< 1				80%	120%
Y	1	3709638	9	9	0.0%	< 1	7	7	100%	80%	120%
Zn	1	3709638	970	945	2.6%	< 0.5				80%	120%

Quality Assurance

CLIENT NAME: MISC AGAT CLIENT YT

AGAT WORK ORDER: 12Y642181

PROJECT NO:

ATTENTION TO: Donald Hutton

Solid Analysis (Continued)											
RPT Date: Oct 15, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
Zr	1	3709638	< 5	< 5	0.0%	< 5				80%	120%
Aqua Regia Digest - Metals Package, ICP-OES finish (201073)											
Ag	1	3709649	< 0.2	< 0.2	0.0%	< 0.2				80%	120%
Al	1	3709649	1.32	1.26	4.7%	< 0.01				80%	120%
As	1	3709649	3	3	0.0%	< 1				80%	120%
B	1	3709649	< 5	< 5	0.0%	< 5				80%	120%
Ba	1	3709649	36	36	0.0%	< 1				80%	120%
Be	1	3709649	< 0.5	< 0.5	0.0%	< 0.5				80%	120%
Bi	1	3709649	1	5		< 1				80%	120%
Ca	1	3709649	0.07	0.07	0.0%	< 0.01				80%	120%
Cd	1	3709649	1.0	1.4		< 0.5				80%	120%
Ce	1	3709649	33	32	3.1%	< 1				80%	120%
Co	1	3709649	8.7	8.5	2.3%	< 0.5				80%	120%
Cr	1	3709649	52.3	50.6	3.3%	< 0.5				80%	120%
Cu	1	3709649	28.4	26.8	5.8%	< 0.5				80%	120%
Fe	1	3709649	2.72	2.56	6.1%	< 0.01				80%	120%
Ga	1	3709649	7	6	15.4%	< 5				80%	120%
Hg	1	3709649	3	< 1		< 1				80%	120%
In	1	3709649	< 1	2		< 1				80%	120%
K	1	3709649	0.205	0.201	2.0%	< 0.01				80%	120%
La	1	3709649	12	11	8.7%	< 1				80%	120%
Li	1	3709649	42	39	7.4%	< 1				80%	120%
Mg	1	3709649	0.66	0.62	6.3%	< 0.01				80%	120%
Mn	1	3709649	790	765	3.2%	< 1				80%	120%
Mo	1	3709649	2.80	2.75	1.8%	< 0.5				80%	120%
Na	1	3709649	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Ni	1	3709649	20.0	19.5	2.5%	< 0.5				80%	120%
P	1	3709649	295	238	21.4%	< 10				80%	120%
Pb	1	3709649	11.8	11.0	7.0%	< 0.5				80%	120%
Rb	1	3709649	39	39	0.0%	< 10				80%	120%
S	1	3709649	< 0.005	< 0.005	0.0%	< 0.005				80%	120%
Sb	1	3709649	10	6		< 1				80%	120%
Sc	1	3709649	1.89	1.80	4.9%	< 0.5				80%	120%
Se	1	3709649	33	13		< 10				80%	120%
Sn	1	3709649	< 5	< 5	0.0%	< 5				80%	120%
Sr	1	3709649	1.71	1.64	4.2%	< 0.5				80%	120%
Ta	1	3709649	< 10	< 10	0.0%	< 10				80%	120%
Te	1	3709649	< 10	< 10	0.0%	< 10				80%	120%
Th	1	3709649	< 5	< 5	0.0%	< 5				80%	120%
Ti	1	3709649	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Tl	1	3709649	36	35	2.8%	< 5				80%	120%
U	1	3709649	< 5	< 5	0.0%	< 5				80%	120%
V	1	3709649	34.4	32.9	4.5%	< 0.5				80%	120%
W	1	3709649	< 1	< 1	0.0%	< 1				80%	120%



Quality Assurance

CLIENT NAME: MISC AGAT CLIENT YT

AGAT WORK ORDER: 12Y642181

PROJECT NO:

ATTENTION TO: Donald Hutton

Solid Analysis (Continued)

RPT Date: Oct 15, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
Y	1	3709649	10	9	10.5%	< 1				80%	120%
Zn	1	3709649	55.9	54.9	1.8%	< 0.5				80%	120%
Zr	1	3709649	< 5	< 5	0.0%	< 5				80%	120%
Fire Assay - Trace Au, ICP-OES finish (202052)											
Au	1	3709638	0.060	0.060	0.0%	< 0.001	0.264	0.263	100%	90%	110%
Fire Assay - Trace Au, ICP-OES finish (202052)											
Au	1	3709649	< 0.001	< 0.001	0.0%	< 0.001	1.56	1.52	103%	90%	110%
Fire Assay - Trace Au, ICP-OES finish (202052)											
Au	1	3709661	< 0.001	< 0.001	0.0%	< 0.001				90%	110%

Certified By:

Method Summary

CLIENT NAME: MISC AGAT CLIENT YT

AGAT WORK ORDER: 12Y642181

PROJECT NO:

ATTENTION TO: Donald Hutton

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
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
Sample Login Weight	MIN-12009		BALANCE
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES

CLIENT NAME: MISC AGAT CLIENT YT, YT
(403)

ATTENTION TO: Donald Hutton

PROJECT NO:

AGAT WORK ORDER: 12Y642186

SOLID ANALYSIS REVIEWED BY: Yufei Chen, Analyst

DATE REPORTED: Oct 16, 2012

PAGES (INCLUDING COVER): 16

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

*NOTES



Certificate of Analysis

AGAT WORK ORDER: 12Y642186

PROJECT NO:

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 YT

ATTENTION TO: Donald Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Sep 14, 2012		DATE RECEIVED: Sep 14, 2012					DATE REPORTED: Oct 16, 2012					SAMPLE TYPE: Soil				
	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	%	
Sample Description	RDL:	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	
AL-1 NORTH #1 (-)		0.3	0.83	64	<5	202	<0.5	<1	0.28	0.8	22	7.3	21.2	33.2	2.10	
AL-1 NORTH #2 (-)		6.7	1.31	22	6	89	1.1	9	0.45	4.0	53	29.2	56.8	247	5.77	
AL-1 NORTH #3 (-)		3.9	1.28	10	<5	133	0.7	7	0.29	2.0	38	15.6	28.8	76.5	3.58	
AL-1 NORTH #4 (-)		2.0	0.91	20	<5	88	0.7	6	0.21	6.6	49	26.6	25.4	80.0	5.16	
AL-1 NORTH #5 (-)		2.8	2.31	110	<5	35	1.4	33	0.23	4.1	35	26.9	58.5	230	5.92	
AL-1 NORTH #6 (-)		4.6	2.50	35	<5	135	1.1	<1	0.25	3.0	73	39.3	58.8	199	5.29	
AL-1 NORTH #7 (-)		1.7	3.07	112	8	121	1.5	12	0.57	3.4	46	40.1	80.5	179	6.19	
AL-1 NORTH #8 (-)		8.6	2.28	201	<5	101	1.6	8	0.31	3.7	38	21.7	68.2	259	6.41	
AL-4-A Cutbank (-)		0.5	1.03	<1	<5	257	0.6	<1	2.20	1.3	23	8.5	22.2	47.3	2.16	
AL-4-B Cutbank (-)		1.4	1.25	129	6	485	0.6	<1	7.77	1.6	27	7.8	22.6	70.5	1.93	
AL-1 SOUTH #1 (-)		0.6	1.16	11	<5	328	0.6	<1	1.25	1.0	24	10.3	24.0	48.1	2.53	
AL-1 SOUTH #2 (-)		0.9	1.18	67	<5	340	0.7	<1	0.39	0.9	22	8.7	27.6	62.2	2.57	
AL-1 SOUTH #3 (-)		0.2	1.59	115	<5	532	0.7	<1	4.73	1.9	25	10.9	30.7	59.0	2.90	
AL-1 SOUTH #4 (-)		0.4	1.12	131	<5	453	0.5	<1	4.29	1.2	22	9.2	23.0	61.1	2.26	
AL-1 SOUTH #5 (-)		0.3	1.19	7	<5	453	0.7	6	0.33	1.1	25	10.3	28.4	65.0	2.79	
AL-1 SOUTH #6 (-)		0.5	0.99	105	<5	371	<0.5	<1	4.65	1.3	22	9.2	20.2	45.4	2.05	
AL-1 SOUTH #7 (-)		0.2	1.21	1	<5	452	0.5	<1	7.51	1.6	24	11.8	23.2	63.1	2.42	
AL-1 SOUTH #8 (-)		<0.2	0.59	6	<5	219	<0.5	<1	0.36	0.9	19	5.8	14.3	24.9	1.51	
AL-1 SOUTH #9 (-)		0.2	1.09	144	<5	455	<0.5	<1	4.46	1.1	23	9.5	19.9	46.2	2.05	
AL-1 SOUTH #10 (-)		0.2	0.84	76	<5	335	<0.5	2	1.04	0.8	23	7.8	18.7	37.3	1.96	
AL-1 SOUTH #11 (-)		<0.2	0.99	3	<5	243	0.5	<1	0.32	0.9	23	9.2	22.1	40.2	2.16	
AL-1 SOUTH #12 (-)		<0.2	1.58	4	<5	144	0.7	13	0.33	1.5	25	14.5	37.3	90.1	2.79	
AL-7 SOUTH #1 (-)		<0.2	0.99	65	<5	249	<0.5	10	0.30	0.7	23	7.4	22.3	54.4	2.24	
AL-7 SOUTH #2 (-)		<0.2	1.12	49	<5	291	0.5	<1	0.22	<0.5	29	9.2	23.4	52.5	2.43	
AL-7 SOUTH #3 (-)		<0.2	0.73	10	<5	252	<0.5	5	0.28	0.5	25	6.9	17.2	58.0	1.97	
AL-7 SOUTH #4 (-)		<0.2	0.56	67	<5	187	<0.5	<1	0.23	0.6	23	6.0	13.9	22.2	1.71	
AL-7 SOUTH #5 (-)		<0.2	0.72	66	<5	175	<0.5	3	0.24	<0.5	20	6.6	17.5	34.7	1.78	
AL-7 SOUTH #6 (-)		0.2	1.95	2	<5	285	0.8	2	0.27	1.2	21	16.3	50.3	90.3	3.74	
AL-7 SOUTH #7 (-)		0.4	2.03	6	<5	242	0.9	8	0.24	1.5	22	16.0	50.5	98.5	4.04	
AL-7 SOUTH #8 (-)		<0.2	1.12	139	<5	353	0.5	<1	4.50	1.2	22	10.3	22.0	44.4	2.17	
AL-7 SOUTH #9 (-)		0.3	1.45	4	<5	215	0.7	1	0.21	0.9	20	12.0	34.4	78.2	3.26	
AL-7 SOUTH #10 (-)		0.4	1.27	5	<5	265	0.6	<1	0.20	0.8	20	11.1	29.6	77.1	2.93	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 12Y642186

PROJECT NO:

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 YT

ATTENTION TO: Donald Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Sep 14, 2012

DATE RECEIVED: Sep 14, 2012

DATE REPORTED: Oct 16, 2012

SAMPLE TYPE: Soil

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 Description														
AL-7 SOUTH #11 (-)	0.2	1.08	3	<5	676	0.5	<1	3.32	0.7	21	9.3	21.6	46.3	2.25
AL-7 SOUTH #12 (-)	0.2	1.30	6	<5	379	0.7	9	0.35	0.9	25	8.9	28.1	55.8	2.38
AL-7 SOUTH #13 (-)	<0.2	1.16	<1	<5	76	<0.5	8	0.09	2.2	52	13.0	31.8	41.3	2.97
AL-7 SOUTH #14 (-)	0.2	1.16	57	<5	138	0.6	5	0.17	0.8	42	9.7	24.2	53.0	2.56
AL-7 SOUTH #15 (-)	<0.2	1.15	2	<5	114	<0.5	<1	1.43	1.1	56	12.9	29.1	41.5	2.65
AL-7 SOUTH #16 (-)	0.3	1.28	3	<5	181	<0.5	<1	1.72	1.2	53	12.6	25.6	41.4	2.52
AL-7 SOUTH #17 (-)	2.3	2.11	82	<5	216	0.8	7	3.22	2.6	51	62.3	27.3	154	2.94
DR-13-A (-)	<0.2	2.20	5	<5	176	1.0	4	0.21	<0.5	57	24.3	61.0	294	4.85
DR-13-B (-)	0.5	1.98	9	<5	140	1.1	3	0.27	<0.5	42	12.3	42.2	191	3.63
DR-13-C (-)	<0.2	1.59	13	<5	111	0.6	<1	0.09	<0.5	24	10.5	31.8	42.4	3.38
DR-13-D (-)	0.4	2.07	19	<5	215	1.2	<1	0.42	<0.5	56	14.0	42.5	125	3.83
DR-13-E (-)	0.3	1.44	8	<5	200	0.6	<1	1.03	2.1	33	12.2	29.7	78.3	2.58
DR-13-F (-)	1.9	2.92	29	<5	148	2.0	<1	0.52	0.8	66	24.4	76.7	139	6.61
DR-13-G (-)	<0.2	1.61	13	<5	137	0.8	<1	0.50	2.1	29	19.4	38.5	95.4	3.68

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CANADA L4Z 1N9
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FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT YT

ATTENTION TO: Donald Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Sep 14, 2012		DATE RECEIVED: Sep 14, 2012				DATE REPORTED: Oct 16, 2012				SAMPLE TYPE: Soil					
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 Description															
AL-1 NORTH #1 (-)		<5	<1	<1	0.06	13	12	0.39	332	4.2	<0.01	17.8	701	14.0	11
AL-1 NORTH #2 (-)		8	<1	<1	0.18	38	27	0.30	1790	7.2	<0.01	57.0	680	71.5	62
AL-1 NORTH #3 (-)		5	<1	<1	0.15	24	17	0.39	941	4.7	<0.01	34.2	422	46.7	42
AL-1 NORTH #4 (-)		<5	<1	<1	0.16	26	14	0.33	3540	4.9	<0.01	46.8	477	75.1	45
AL-1 NORTH #5 (-)		11	<1	<1	0.21	19	71	0.96	2320	4.7	<0.01	51.2	476	279	67
AL-1 NORTH #6 (-)		10	<1	<1	0.19	37	80	1.00	2890	5.5	<0.01	73.2	652	72.8	57
AL-1 NORTH #7 (-)		16	<1	<1	0.26	28	102	1.48	2470	8.8	<0.01	72.5	648	58.1	80
AL-1 NORTH #8 (-)		10	1	<1	0.13	21	64	0.88	1430	5.7	<0.01	90.4	643	117	57
AL-4-A Cutbank (-)		<5	<1	6	0.09	11	14	0.67	433	9.6	0.06	21.8	661	19.2	23
AL-4-B Cutbank (-)		5	<1	<1	0.19	13	15	0.73	547	20.6	0.05	18.3	593	26.0	56
AL-1 SOUTH #1 (-)		<5	<1	<1	0.08	12	17	0.63	538	9.5	0.02	25.5	544	16.1	17
AL-1 SOUTH #2 (-)		<5	<1	<1	0.08	14	16	0.49	376	4.5	0.01	24.7	360	21.6	16
AL-1 SOUTH #3 (-)		7	<1	<1	0.11	13	26	0.85	549	12.4	0.02	26.8	587	21.9	34
AL-1 SOUTH #4 (-)		<5	<1	5	0.06	12	17	0.58	395	14.4	0.01	22.9	650	19.8	20
AL-1 SOUTH #5 (-)		<5	<1	<1	0.07	16	17	0.52	460	6.5	0.01	28.7	440	22.5	15
AL-1 SOUTH #6 (-)		<5	<1	<1	0.08	10	15	0.75	480	15.4	0.02	22.2	711	11.3	24
AL-1 SOUTH #7 (-)		5	<1	<1	0.11	11	20	0.80	689	19.2	0.02	25.2	614	21.7	35
AL-1 SOUTH #8 (-)		<5	<1	<1	0.04	11	9	0.32	259	7.8	<0.01	16.2	610	6.2	<10
AL-1 SOUTH #9 (-)		5	<1	2	0.09	11	17	0.71	407	13.9	0.02	23.7	538	15.3	25
AL-1 SOUTH #10 (-)		<5	<1	<1	0.06	12	12	0.44	336	8.1	0.01	22.1	553	13.7	12
AL-1 SOUTH #11 (-)		<5	<1	<1	0.06	12	16	0.48	352	4.9	0.01	22.2	585	29.2	12
AL-1 SOUTH #12 (-)		6	<1	<1	0.07	12	32	0.95	436	5.5	0.01	31.7	437	96.6	17
AL-7 SOUTH #1 (-)		<5	<1	<1	0.05	12	13	0.47	274	4.5	0.01	20.4	642	33.5	10
AL-7 SOUTH #2 (-)		<5	<1	<1	0.05	16	15	0.47	416	6.3	0.01	25.2	444	15.1	11
AL-7 SOUTH #3 (-)		<5	<1	<1	0.05	13	9	0.35	185	6.0	0.01	18.4	669	9.0	<10
AL-7 SOUTH #4 (-)		<5	<1	<1	0.04	11	7	0.26	194	4.1	<0.01	13.9	642	7.0	<10
AL-7 SOUTH #5 (-)		<5	<1	<1	0.05	11	10	0.34	283	5.3	<0.01	18.7	534	13.4	<10
AL-7 SOUTH #6 (-)		7	<1	<1	0.09	13	43	1.05	623	4.0	<0.01	37.0	309	47.1	26
AL-7 SOUTH #7 (-)		7	<1	<1	0.08	14	50	1.11	678	4.1	<0.01	39.2	268	100	29
AL-7 SOUTH #8 (-)		<5	<1	<1	0.08	10	19	0.78	469	13.0	0.02	23.7	649	15.0	24
AL-7 SOUTH #9 (-)		<5	<1	<1	0.07	13	30	0.72	437	4.0	<0.01	28.8	197	31.4	20
AL-7 SOUTH #10 (-)		<5	<1	9	0.07	12	22	0.63	359	4.8	<0.01	29.5	231	20.3	17

Certified By:

Y. Chen



Certificate of Analysis

AGAT WORK ORDER: 12Y642186

PROJECT NO:

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 YT

ATTENTION TO: Donald Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Sep 14, 2012

DATE RECEIVED: Sep 14, 2012

DATE REPORTED: Oct 16, 2012

SAMPLE TYPE: Soil

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 Description														
AL-7 SOUTH #11 (-)	<5	<1	<1	0.06	10	20	0.51	297	10.6	0.01	22.3	280	15.0	19
AL-7 SOUTH #12 (-)	<5	<1	2	0.07	14	19	0.50	238	7.4	0.01	24.6	173	20.5	16
AL-7 SOUTH #13 (-)	<5	<1	<1	0.05	26	15	0.66	530	2.4	<0.01	33.2	190	14.1	<10
AL-7 SOUTH #14 (-)	<5	<1	<1	0.05	21	18	0.54	288	4.3	<0.01	28.8	195	16.2	12
AL-7 SOUTH #15 (-)	<5	<1	<1	0.05	27	15	0.58	400	9.5	<0.01	35.5	224	16.0	13
AL-7 SOUTH #16 (-)	<5	<1	<1	0.08	25	18	0.55	419	10.0	<0.01	29.6	248	13.8	20
AL-7 SOUTH #17 (-)	11	<1	5	0.40	25	25	0.40	587	0.9	0.02	21.2	194	28.4	69
DR-13-A (-)	16	<1	2	0.31	27	58	0.88	1360	1.3	<0.01	52.5	297	6.7	121
DR-13-B (-)	15	<1	2	0.27	25	40	0.60	742	1.1	<0.01	33.7	322	3.5	72
DR-13-C (-)	11	<1	1	0.13	11	33	0.58	339	0.9	<0.01	24.5	415	11.7	29
DR-13-D (-)	12	<1	1	0.29	32	45	0.77	961	2.4	<0.01	37.4	557	17.9	56
DR-13-E (-)	10	<1	1	0.08	18	30	0.61	547	1.3	<0.01	28.5	675	50.3	20
DR-13-F (-)	19	<1	2	0.32	62	89	1.11	2840	10.2	<0.01	51.2	643	37.0	88
DR-13-G (-)	12	<1	<1	0.08	13	42	0.88	982	1.5	<0.01	38.8	538	88.2	19

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 12Y642186

PROJECT NO:

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 YT

ATTENTION TO: Donald Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Sep 14, 2012		DATE RECEIVED: Sep 14, 2012					DATE REPORTED: Oct 16, 2012					SAMPLE TYPE: Soil			
	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 Description	RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
AL-1 NORTH #1 (-)		0.006	32	3.8	<10	<5	18.1	<10	<10	<5	0.05	58	<5	41.4	3
AL-1 NORTH #2 (-)		0.014	47	9.7	<10	<5	11.4	<10	12	6	0.01	84	<5	115	8
AL-1 NORTH #3 (-)		0.015	44	5.1	<10	<5	14.9	<10	<10	<5	0.02	65	<5	51.1	4
AL-1 NORTH #4 (-)		0.010	38	5.0	<10	<5	12.9	<10	<10	<5	<0.01	51	7	51.4	6
AL-1 NORTH #5 (-)		0.010	35	7.2	10	<5	11.7	<10	<10	<5	<0.01	80	<5	95.2	7
AL-1 NORTH #6 (-)		0.024	28	8.7	42	<5	16.8	<10	<10	<5	0.04	47	6	103	11
AL-1 NORTH #7 (-)		0.025	32	10.4	36	<5	21.1	<10	<10	<5	0.02	77	<5	147	8
AL-1 NORTH #8 (-)		0.030	28	14.2	<10	<5	13.2	<10	<10	<5	<0.01	72	<5	107	5
AL-4-A Cutbank (-)		0.039	57	4.4	<10	<5	62.9	<10	13	<5	0.05	141	<5	47.3	2
AL-4-B Cutbank (-)		0.119	70	4.7	<10	41	198	<10	15	<5	0.05	178	<5	48.0	<1
AL-1 SOUTH #1 (-)		0.026	52	4.2	<10	<5	35.4	<10	<10	<5	0.05	112	<5	53.5	4
AL-1 SOUTH #2 (-)		0.009	35	5.4	29	<5	22.7	<10	<10	<5	0.06	69	<5	58.7	3
AL-1 SOUTH #3 (-)		0.066	69	4.9	18	<5	81.5	<10	13	<5	0.05	152	<5	61.2	3
AL-1 SOUTH #4 (-)		0.055	62	4.0	<10	<5	63.1	<10	14	<5	0.04	156	<5	47.5	2
AL-1 SOUTH #5 (-)		0.010	31	5.2	<10	<5	20.8	<10	<10	<5	0.05	78	<5	59.9	4
AL-1 SOUTH #6 (-)		0.076	65	3.5	<10	<5	142	<10	12	<5	0.04	143	<5	44.7	<1
AL-1 SOUTH #7 (-)		0.127	74	4.0	<10	22	159	<10	16	<5	0.04	167	<5	51.0	2
AL-1 SOUTH #8 (-)		0.010	26	2.4	<10	<5	19.0	<10	<10	<5	0.03	76	<5	29.7	2
AL-1 SOUTH #9 (-)		0.077	68	3.7	<10	<5	103	<10	11	<5	0.04	154	<5	44.2	3
AL-1 SOUTH #10 (-)		0.020	47	3.4	<10	<5	31.1	<10	10	<5	0.04	117	<5	40.1	2
AL-1 SOUTH #11 (-)		0.008	25	3.7	<10	<5	19.1	<10	<10	<5	0.05	77	<5	45.7	5
AL-1 SOUTH #12 (-)		<0.005	29	6.0	15	<5	13.9	<10	<10	<5	0.09	61	<5	72.9	8
AL-7 SOUTH #1 (-)		<0.005	28	4.6	<10	<5	20.5	<10	<10	<5	0.05	59	<5	41.2	2
AL-7 SOUTH #2 (-)		<0.005	28	4.6	<10	<5	15.8	<10	<10	<5	0.05	56	<5	43.0	2
AL-7 SOUTH #3 (-)		<0.005	23	3.6	<10	<5	19.2	<10	<10	<5	0.04	55	<5	34.2	2
AL-7 SOUTH #4 (-)		<0.005	27	2.8	19	<5	16.7	<10	<10	<5	0.04	67	<5	29.1	2
AL-7 SOUTH #5 (-)		<0.005	19	3.4	<10	<5	16.3	<10	<10	<5	0.04	49	<5	35.5	2
AL-7 SOUTH #6 (-)		0.007	30	6.8	12	<5	12.5	<10	<10	<5	0.08	58	<5	89.8	3
AL-7 SOUTH #7 (-)		0.006	23	7.7	<10	<5	10.6	<10	<10	<5	0.07	52	<5	93.3	5
AL-7 SOUTH #8 (-)		0.062	60	3.8	<10	<5	114	<10	13	<5	0.06	159	<5	50.1	2
AL-7 SOUTH #9 (-)		<0.005	22	6.1	<10	<5	11.8	<10	<10	<5	0.05	66	<5	67.4	<1
AL-7 SOUTH #10 (-)		<0.005	23	5.2	<10	<5	11.9	<10	<10	<5	0.05	54	<5	60.6	5

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 12Y642186

PROJECT NO:

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MISSISSAUGA, ONTARIO
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CLIENT NAME: MISC AGAT CLIENT YT

ATTENTION TO: Donald Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Sep 14, 2012		DATE RECEIVED: Sep 14, 2012					DATE REPORTED: Oct 16, 2012					SAMPLE TYPE: Soil			
	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 Description	RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
AL-7 SOUTH #11 (-)		0.043	52	4.0	<10	<5	49.1	<10	12	<5	0.03	144	<5	47.1	3
AL-7 SOUTH #12 (-)		<0.005	30	5.9	<10	<5	18.8	<10	<10	<5	0.06	74	<5	52.6	3
AL-7 SOUTH #13 (-)		<0.005	15	3.9	<10	<5	6.9	<10	<10	6	0.03	26	<5	33.6	2
AL-7 SOUTH #14 (-)		<0.005	25	3.3	<10	<5	8.1	<10	<10	6	0.02	56	<5	28.4	4
AL-7 SOUTH #15 (-)		0.018	54	4.1	<10	<5	31.0	<10	13	8	0.02	109	<5	24.7	5
AL-7 SOUTH #16 (-)		0.026	61	3.9	46	<5	40.9	<10	11	6	0.02	139	<5	27.6	3
AL-7 SOUTH #17 (-)		0.013	4	2.7	<10	<5	39.2	<10	<10	17	0.03	<5	<5	20.2	<1
DR-13-A (-)		<0.005	3	8.7	<10	<5	12.7	<10	<10	18	0.02	6	6	112	13
DR-13-B (-)		<0.005	<1	6.1	<10	<5	13.0	<10	<10	14	0.04	<5	<5	70.3	4
DR-13-C (-)		0.006	<1	3.1	<10	<5	9.7	<10	<10	7	0.06	<5	<5	54.1	1
DR-13-D (-)		0.011	1	5.7	<10	<5	22.4	<10	<10	8	0.06	<5	<5	65.2	7
DR-13-E (-)		0.070	1	3.0	<10	<5	37.4	<10	<10	5	0.04	<5	<5	37.9	<1
DR-13-F (-)		0.020	<1	9.0	<10	<5	26.9	<10	<10	10	0.04	7	<5	121	1
DR-13-G (-)		0.022	2	3.8	<10	<5	18.5	<10	<10	<5	0.06	<5	<5	58.1	4

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 12Y642186

PROJECT NO:

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 YT

ATTENTION TO: Donald Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Sep 14, 2012

DATE RECEIVED: Sep 14, 2012

DATE REPORTED: Oct 16, 2012

SAMPLE TYPE: Soil

Sample Description	Analyte:	Y	Zn	Zr
	Unit:	ppm	ppm	ppm
	RDL:	1	0.5	5
AL-1 NORTH #1 (-)		9	103	<5
AL-1 NORTH #2 (-)		32	1220	<5
AL-1 NORTH #3 (-)		18	733	<5
AL-1 NORTH #4 (-)		23	1690	<5
AL-1 NORTH #5 (-)		21	1020	<5
AL-1 NORTH #6 (-)		31	667	<5
AL-1 NORTH #7 (-)		23	798	<5
AL-1 NORTH #8 (-)		29	995	<5
AL-4-A Cutbank (-)		8	171	<5
AL-4-B Cutbank (-)		9	163	<5
AL-1 SOUTH #1 (-)		9	126	<5
AL-1 SOUTH #2 (-)		11	136	7
AL-1 SOUTH #3 (-)		10	197	<5
AL-1 SOUTH #4 (-)		9	106	<5
AL-1 SOUTH #5 (-)		13	154	<5
AL-1 SOUTH #6 (-)		8	130	<5
AL-1 SOUTH #7 (-)		9	238	<5
AL-1 SOUTH #8 (-)		7	51.5	<5
AL-1 SOUTH #9 (-)		8	102	<5
AL-1 SOUTH #10 (-)		9	64.5	<5
AL-1 SOUTH #11 (-)		8	169	<5
AL-1 SOUTH #12 (-)		8	305	<5
AL-7 SOUTH #1 (-)		9	123	5
AL-7 SOUTH #2 (-)		9	69.4	<5
AL-7 SOUTH #3 (-)		8	51.4	<5
AL-7 SOUTH #4 (-)		7	39.6	<5
AL-7 SOUTH #5 (-)		8	52.7	<5
AL-7 SOUTH #6 (-)		11	170	<5
AL-7 SOUTH #7 (-)		15	189	<5
AL-7 SOUTH #8 (-)		8	79.2	<5
AL-7 SOUTH #9 (-)		11	119	<5
AL-7 SOUTH #10 (-)		10	103	<5

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 12Y642186

PROJECT NO:

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CLIENT NAME: MISC AGAT CLIENT YT

ATTENTION TO: Donald Hutton

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Sep 14, 2012

DATE RECEIVED: Sep 14, 2012

DATE REPORTED: Oct 16, 2012

SAMPLE TYPE: Soil

Sample Description	Analyte:	Y	Zn	Zr
	Unit:	ppm	ppm	ppm
	RDL:	1	0.5	5
AL-7 SOUTH #11 (-)		7	92.0	<5
AL-7 SOUTH #12 (-)		14	74.7	6
AL-7 SOUTH #13 (-)		12	803	<5
AL-7 SOUTH #14 (-)		9	126	5
AL-7 SOUTH #15 (-)		13	88.5	6
AL-7 SOUTH #16 (-)		11	278	<5
AL-7 SOUTH #17 (-)		14	1080	18
DR-13-A (-)		36	108	<5
DR-13-B (-)		24	69.1	6
DR-13-C (-)		4	70.3	<5
DR-13-D (-)		23	100	<5
DR-13-E (-)		12	414	<5
DR-13-F (-)		40	178	<5
DR-13-G (-)		10	583	<5

Comments: RDL - Reported Detection Limit

Certified By:

Y. Chen



Certificate of Analysis

AGAT WORK ORDER: 12Y642186

PROJECT NO:

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 YT

ATTENTION TO: Donald Hutton

Fire Assay - Trace Au, ICP-OES finish (202052)

DATE SAMPLED: Sep 14, 2012

DATE RECEIVED: Sep 14, 2012

DATE REPORTED: Oct 16, 2012

SAMPLE TYPE: Soil

Sample Description	Analyte:	Sample Login Weight	Au
	Unit:	kg	ppm
	RDL:	0.01	0.001
AL-1 NORTH #1 (-)		0.25	0.036
AL-1 NORTH #2 (-)		0.27	0.013
AL-1 NORTH #3 (-)		0.26	0.010
AL-1 NORTH #4 (-)		0.39	0.006
AL-1 NORTH #5 (-)		0.43	0.003
AL-1 NORTH #6 (-)		0.25	0.008
AL-1 NORTH #7 (-)		0.35	0.010
AL-1 NORTH #8 (-)		0.49	0.006
AL-4-A Cutbank (-)		0.32	0.004
AL-4-B Cutbank (-)		0.08	0.006
AL-1 SOUTH #1 (-)		0.24	0.004
AL-1 SOUTH #2 (-)		0.37	0.018
AL-1 SOUTH #3 (-)		0.26	0.004
AL-1 SOUTH #4 (-)		0.47	0.004
AL-1 SOUTH #5 (-)		0.38	0.005
AL-1 SOUTH #6 (-)		0.33	0.010
AL-1 SOUTH #7 (-)		0.30	0.003
AL-1 SOUTH #8 (-)		0.37	0.004
AL-1 SOUTH #9 (-)		0.30	0.005
AL-1 SOUTH #10 (-)		0.32	0.030
AL-1 SOUTH #11 (-)		0.42	0.003
AL-1 SOUTH #12 (-)		0.45	0.003
AL-7 SOUTH #1 (-)		0.17	0.006
AL-7 SOUTH #2 (-)		0.31	0.003
AL-7 SOUTH #3 (-)		0.34	0.006
AL-7 SOUTH #4 (-)		0.43	0.003
AL-7 SOUTH #5 (-)		0.36	0.003
AL-7 SOUTH #6 (-)		0.20	0.004
AL-7 SOUTH #7 (-)		0.31	0.012
AL-7 SOUTH #8 (-)		0.44	0.012
AL-7 SOUTH #9 (-)		0.38	0.011

Certified By:



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Certificate of Analysis

AGAT WORK ORDER: 12Y642186

PROJECT NO:

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CLIENT NAME: MISC AGAT CLIENT YT

ATTENTION TO: Donald Hutton

Fire Assay - Trace Au, ICP-OES finish (202052)

DATE SAMPLED: Sep 14, 2012

DATE RECEIVED: Sep 14, 2012

DATE REPORTED: Oct 16, 2012

SAMPLE TYPE: Soil

Analyte:	Sample Login Weight	Au
Unit:	kg	ppm
RDL:	0.01	0.001
Sample Description		
AL-7 SOUTH #10 (-)	0.32	0.005
AL-7 SOUTH #11 (-)	0.35	0.008
AL-7 SOUTH #12 (-)	0.25	0.010
AL-7 SOUTH #13 (-)	0.50	0.004
AL-7 SOUTH #14 (-)	0.61	0.014
AL-7 SOUTH #15 (-)	0.20	0.010
AL-7 SOUTH #16 (-)	0.27	0.004
AL-7 SOUTH #17 (-)	0.26	0.011
DR-13-A (-)	0.13	0.004
DR-13-B (-)	0.19	0.006
DR-13-C (-)	0.12	0.003
DR-13-D (-)	0.11	0.014
DR-13-E (-)	0.17	0.004
DR-13-F (-)	0.09	0.016
DR-13-G (-)	0.17	0.005

Comments: RDL - Reported Detection Limit

Certified By:

Y. Chen

Quality Assurance

CLIENT NAME: MISC AGAT CLIENT YT

AGAT WORK ORDER: 12Y642186

PROJECT NO:

ATTENTION TO: Donald Hutton

Solid Analysis											
RPT Date: Oct 16, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
Aqua Regia Digest - Metals Package, ICP-OES finish (201073)											
Ag	1	3709800	< 0.2	< 0.2	0.0%	< 0.2	14.4	14.0	102%	80%	120%
Al	1	3709800	1.61	1.55	3.8%	< 0.01				80%	120%
As	1	3709800	13	13	0.0%	< 1				80%	120%
B	1	3709800	< 5	< 5	0.0%	< 5				80%	120%
Ba	1	3709800	137	131	4.5%	< 1				80%	120%
Be	1	3709800	0.75	0.74	1.3%	< 0.5				80%	120%
Bi	1	3709800	< 1	< 1	0.0%	< 1				80%	120%
Ca	1	3709800	0.50	0.48	4.1%	< 0.01				80%	120%
Cd	1	3709800	2.1	2.0	4.9%	< 0.5				80%	120%
Ce	1	3709800	29	28	3.5%	< 1				80%	120%
Co	1	3709800	19.4	18.7	3.7%	< 0.5				80%	120%
Cr	1	3709800	38.5	37.8	1.8%	< 0.5				80%	120%
Cu	1	3709800	95.4	94.8	0.6%	0.5	6329	6000	105%	80%	120%
Fe	1	3709800	3.68	3.55	3.6%	< 0.01				80%	120%
Ga	1	3709800	12	12	0.0%	< 5				80%	120%
Hg	1	3709800	< 1	< 1	0.0%	< 1				80%	120%
In	1	3709754	< 1	< 1	0.0%	< 1				80%	120%
K	1	3709800	0.08	0.08	0.0%	< 0.01				80%	120%
La	1	3709800	13	13	0.0%	< 1				80%	120%
Li	1	3709800	42	40	4.9%	< 1				80%	120%
Mg	1	3709800	0.878	0.845	3.8%	< 0.01				80%	120%
Mn	1	3709800	982	909	7.7%	< 1				80%	120%
Mo	1	3709800	1.5	1.4	6.9%	< 0.5	337	360	93%	80%	120%
Na	1	3709800	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Ni	1	3709800	38.8	38.0	2.1%	< 0.5				80%	120%
P	1	3709800	538	537	0.2%	< 10	683	600	113%	80%	120%
Pb	1	3709800	88.2	79.0	11.0%	< 0.5				80%	120%
Rb	1	3709800	19	19	0.0%	< 10	14	13	110%	80%	120%
S	1	3709800	0.0225	0.0215	4.5%	< 0.005				80%	120%
Sb	1	3709800	2	2	0.0%	< 1				80%	120%
Sc	1	3709800	3.8	3.8	0.0%	< 0.5				80%	120%
Se	1	3709800	< 10	< 10	0.0%	< 10				80%	120%
Sn	1	3709800	< 5	< 5	0.0%	< 5				80%	120%
Sr	1	3709800	18.5	14.8	22.2%	< 0.5				80%	120%
Ta	1	3709800	< 10	< 10	0.0%	< 10	1	0.9	106%	80%	120%
Te	1	3709800	< 10	< 10	0.0%	< 10				80%	120%
Th	1	3709800	< 5	< 5	0.0%	< 5				80%	120%
Ti	1	3709800	0.06	0.06	0.0%	< 0.01				80%	120%
Tl	1	3709800	< 5	< 5	0.0%	< 5				80%	120%
U	1	3709800	< 5	< 5	0.0%	< 5				80%	120%
V	1	3709800	58.1	56.6	2.6%	< 0.5				80%	120%
W	1	3709800	4	4	0.0%	1				80%	120%
Y	1	3709800	10	9	10.5%	< 1	6	7	81%	80%	120%
Zn	1	3709800	583	564	3.3%	< 0.5				80%	120%

Quality Assurance

CLIENT NAME: MISC AGAT CLIENT YT

AGAT WORK ORDER: 12Y642186

PROJECT NO:

ATTENTION TO: Donald Hutton

Solid Analysis (Continued)

RPT Date: Oct 16, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL			
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits
										Lower Upper
Zr	1	3709800	< 5	< 5	0.0%	< 5				80% 120%
Aqua Regia Digest - Metals Package, ICP-OES finish (201073)										
Ag	1	3709767	0.4	0.4	0.0%	< 0.2	13.9	14.0	99%	80% 120%
Al	1	3709767	1.12	1.12	0.0%	< 0.01				80% 120%
As	1	3709767	131	127	3.1%	< 1				80% 120%
B	1	3709767	< 5	< 5	0.0%	< 5				80% 120%
Ba	1	3709767	453	447	1.3%	< 1				80% 120%
Be	1	3709767	0.5	0.5	0.0%	< 0.5				80% 120%
Bi	1	3709767	< 1	< 1	0.0%	< 1				80% 120%
Ca	1	3709767	4.29	4.27	0.5%	< 0.01				80% 120%
Cd	1	3709767	1.2	1.0	18.2%	< 0.5				80% 120%
Ce	1	3709767	22	23	4.4%	< 1				80% 120%
Co	1	3709767	9.2	8.7	5.6%	< 0.5				80% 120%
Cr	1	3709767	23.0	22.7	1.3%	< 0.5				80% 120%
Cu	1	3709767	61.1	60.0	1.8%	< 0.5	6060	6000	101%	80% 120%
Fe	1	3709767	2.26	2.24	0.9%	< 0.01				80% 120%
Ga	1	3709767	< 5	< 5	0.0%	< 5				80% 120%
Hg	1	3709767	< 1	< 1	0.0%	< 1				80% 120%
In	1	3709767	5	3		< 1				80% 120%
K	1	3709767	0.06	0.06	0.0%	< 0.01				80% 120%
La	1	3709767	12	12	0.0%	< 1				80% 120%
Li	1	3709767	17	17	0.0%	< 1				80% 120%
Mg	1	3709767	0.580	0.571	1.6%	< 0.01				80% 120%
Mn	1	3709767	395	392	0.8%	< 1				80% 120%
Mo	1	3709767	14.4	16.0	10.5%	< 0.5	328	360	91%	80% 120%
Na	1	3709767	0.01	0.01	0.0%	< 0.01				80% 120%
Ni	1	3709767	22.9	22.7	0.9%	< 0.5				80% 120%
P	1	3709767	650	634	2.5%	< 10				80% 120%
Pb	1	3709767	19.8	16.7	17.0%	< 0.5				80% 120%
Rb	1	3709767	20	21	4.9%	< 10	14	13	106%	80% 120%
S	1	3709767	0.055	0.055	0.0%	< 0.005				80% 120%
Sb	1	3709767	62	65	4.7%	< 1				80% 120%
Sc	1	3709767	4.05	4.05	0.0%	< 0.5				80% 120%
Se	1	3709767	< 10	< 10	0.0%	< 10				80% 120%
Sn	1	3709767	< 5	< 5	0.0%	< 5				80% 120%
Sr	1	3709767	63.1	62.9	0.3%	< 0.5				80% 120%
Ta	1	3709767	< 10	< 10	0.0%	< 10				80% 120%
Te	1	3709767	14	14	0.0%	< 10				80% 120%
Th	1	3709767	< 5	< 5	0.0%	< 5				80% 120%
Ti	1	3709767	0.04	0.04	0.0%	< 0.01				80% 120%
Tl	1	3709767	156	134	15.2%	< 5				80% 120%
U	1	3709767	< 5	< 5	0.0%	< 5				80% 120%
V	1	3709767	47.5	47.3	0.4%	< 0.5				80% 120%
W	1	3709767	2	3		< 1				80% 120%

Quality Assurance

CLIENT NAME: MISC AGAT CLIENT YT

AGAT WORK ORDER: 12Y642186

PROJECT NO:

ATTENTION TO: Donald Hutton

Solid Analysis (Continued)											
RPT Date: Oct 16, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
Y	1	3709767	9	9	0.0%	< 1				80%	120%
Zn	1	3709767	106	105	0.9%	< 0.5				80%	120%
Zr	1	3709767	< 5	< 5	0.0%	< 5				80%	120%
Aqua Regia Digest - Metals Package, ICP-OES finish (201073)											
Ag	1	3709780	< 0.2	< 0.2	0.0%	< 0.2	13.7	14.0	97%	80%	120%
Al	1	3709780	0.56	0.56	0.0%	< 0.01				80%	120%
As	1	3709780	67	54	21.5%	< 1				80%	120%
B	1	3709780	< 5	< 5	0.0%	< 5				80%	120%
Ba	1	3709780	187	190	1.6%	< 1				80%	120%
Be	1	3709780	< 0.5	< 0.5	0.0%	< 0.5				80%	120%
Bi	1	3709780	< 1	< 1	0.0%	< 1				80%	120%
Ca	1	3709780	0.23	0.23	0.0%	< 0.01				80%	120%
Cd	1	3709780	0.61	0.53	14.0%	< 0.5				80%	120%
Ce	1	3709780	23	22	4.4%	< 1				80%	120%
Co	1	3709780	6.0	6.4	6.5%	< 0.5				80%	120%
Cr	1	3709780	13.9	14.5	4.2%	< 0.5				80%	120%
Cu	1	3709780	22.2	22.9	3.1%	< 0.5	6060	6000	101%	80%	120%
Fe	1	3709780	1.71	1.73	1.2%	< 0.01				80%	120%
Ga	1	3709780	< 5	< 5	0.0%	< 5				80%	120%
Hg	1	3709780	< 1	< 1	0.0%	< 1				80%	120%
In	1	3709780	< 1	< 1	0.0%	< 1				80%	120%
K	1	3709780	0.04	0.04	0.0%	< 0.01				80%	120%
La	1	3709780	11	11	0.0%	< 1				80%	120%
Li	1	3709780	7	7	0.0%	< 1				80%	120%
Mg	1	3709780	0.262	0.266	1.5%	< 0.01				80%	120%
Mn	1	3709780	194	200	3.0%	< 1				80%	120%
Mo	1	3709780	4.1	4.4	7.1%	< 0.5	332	360	92%	80%	120%
Na	1	3709780	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Ni	1	3709780	13.9	14.6	4.9%	< 0.5				80%	120%
P	1	3709780	642	673	4.7%	< 10	697	600	116%	80%	120%
Pb	1	3709780	7.0	7.6	8.2%	< 0.5				80%	120%
Rb	1	3709780	< 10	< 10	0.0%	< 10	14	13	110%	80%	120%
S	1	3709780	< 0.005	< 0.005	0.0%	< 0.005				80%	120%
Sb	1	3709780	27	26	3.8%	< 1				80%	120%
Sc	1	3709780	2.85	2.93	2.8%	< 0.5				80%	120%
Se	1	3709780	19	20	5.1%	< 10				80%	120%
Sn	1	3709780	< 5	< 5	0.0%	< 5				80%	120%
Sr	1	3709780	16.7	16.6	0.6%	< 0.5				80%	120%
Ta	1	3709780	< 10	< 10	0.0%	< 10	1.1	0.9	117%	80%	120%
Te	1	3709780	< 10	< 10	0.0%	< 10				80%	120%
Th	1	3709780	< 5	< 5	0.0%	< 5				80%	120%
Ti	1	3709780	0.04	0.04	0.0%	< 0.01				80%	120%
Tl	1	3709780	67	66	1.5%	< 5				80%	120%
U	1	3709780	< 5	< 5	0.0%	< 5				80%	120%



Quality Assurance

CLIENT NAME: MISC AGAT CLIENT YT

AGAT WORK ORDER: 12Y642186

PROJECT NO:

ATTENTION TO: Donald Hutton

Solid Analysis (Continued)

RPT Date: Oct 16, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL			
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits
										Lower Upper
V	1	3709780	29.1	30.2	3.7%	< 0.5				80% 120%
W	1	3709780	2	1		< 1				80% 120%
Y	1	3709780	7	7	0.0%	< 1				80% 120%
Zn	1	3709780	39.6	40.0	1.0%	< 0.5				80% 120%
Zr	1	3709780	< 5	< 5	0.0%	< 5				80% 120%
Fire Assay - Trace Au, ICP-OES finish (202052)										
Au	1	3709754	0.036	0.010		< 0.001	0.265	0.263	101%	90% 110%
Fire Assay - Trace Au, ICP-OES finish (202052)										
Au	1	3709767	0.0044	0.0048	8.7%	< 0.001	1.51	1.52	99%	90% 110%
Fire Assay - Trace Au, ICP-OES finish (202052)										
Au	1	3709780	0.003	0.005		< 0.001				90% 110%
Fire Assay - Trace Au, ICP-OES finish (202052)										
Au	1	3709792	0.004	0.004	0.0%	< 0.001				90% 110%

Certified By:

Y. Chen

Method Summary

CLIENT NAME: MISC AGAT CLIENT YT

AGAT WORK ORDER: 12Y642186

PROJECT NO:

ATTENTION TO: Donald Hutton

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
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
Sample Login Weight	MIN-12009		BALANCE
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES

