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**REPORT ON
ETHYLENEDIAMINETETRAACTIC (EDTA) CYANIDE LEACH and
MOBILE METAL IONIZATION (MMI) SOIL SURVEY
IN THE VICINITY OF THE
MAGUSI TRENCH, CLAIM 529691
TANNAHILL TOWNSHIP,
LARDER LAKE MINING DIVISION
NORTHERN ONTARIO**

**For:
Brandy Brooks Mines Limited
8901 Reily Drive
Mount Brydges, Ontario**

**BY: Robert J. Dillman
Arjadee Prospecting**

September 17, 2019

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Summary

Between August 18 and August 19, 2018 Brandy Brook Mines Limited collected soil samples in the vicinity to the Magusi Trench, a gold occurrence on mining claim 529691 in Tannahill Twp., Ontario. A total of 102 soil samples were collected by James Chard and Robert Dillman. The samples were analyzed for 54 elements using Ethylenediaminetetraacetic (EDTA) cyanide leach and ICP-MS finish offered by AGAT Laboratories. Results were gold were very disappointing. Even test samples failed to show the presence of gold using the EDTA technique. In December, Agate was instructed to re-analyze the soil samples for gold, however there was no improvement in the assay results. In March 2019, Brandy Brook retrieved the pulps of the soil samples from AGAT Laboratories and submitted the first 70 of the samples to SGS Minerals in Burnaby, B.C. for analyses using the 8 element Mobile Metal Ionization (MMI) package. Gold was detected in a number of the samples prompting Brandy Brook to submit the remaining 32 soil samples for MMI analyses in August, 2019. This report summarizes the analytical results obtained from both laboratories.

Location, Access

The soil survey was conducted in Tannahill Township in the Harker-Holloway area of the Larder Lake Mining Division in Ontario (Figure 1). The survey was focused on the area around the Magusi Trench located at UTM coordinates: Zone 17, 594370mE, 5367030mN, south of the Tannahill – Holloway township line in the northwest corner of cell 32D05J245 of mining claim 529691 (Figure 2).

The survey area is accessible via trails and logging roads connecting with Highway 672. The Roscoe Road is the largest logging road in the area and crosses Tannahill Township 4 km's south of the area surveyed. A logging road intersecting with the Roscoe Road at 596162mE, 5362970mN provides access to the survey area and the Magusi Au Occurrence. A truck can be driven to within 1 km of the survey area. The remainder of the route requires an ATV.

Claim Ownership and Logistics

The majority of soil survey was completed in mining claim 529691 in cells 32D05J244, 32D05J244 and 32D05J225 and extended into mining claim 169769 cell 32D05J226 and mining claim 177728 cell 32D05J246 (Figure 3). All three mining claims are registered 100% in the name of Brandy Brook Mines Limited located at 8901 Reily Drive, Mount Brydges, Ontario.

Claims 529691 and 169769 have an Anniversary Date of: December 15, 2019. Claim 177728 has an Anniversary Date of: December 15, 2022.



Figure 1. Property Location Map

Notes:
Tannahill Property
Brandy Brook Mines Limited



Legend

Administration Boundaries

- Mining Divisions
- Resident Geologist District
- Townships and Areas
- UTM Grid
- Geographic Lot Fabric
- Other Federal Land

Mineral Tenure Grid

- OMTG Tenure Grid

Alienations

- Withdrawal
- Holce

Unpatented Claim

- Active
- Reconciled
- Pending

Disposition

- Disposition

Disposition Symbols

- Camp
- Disposition Unknown/Pending
- Freehold Patent Mining Rights Only
- Freehold Patent Surface Rights Only
- Freehold Patent Surface and Mining Rights
- Land Use Permit
- Leasehold Patent Mining Rights Only
- Leasehold Patent Surface Rights Only
- Leasehold Patent Surface and Mining Rights
- License of Occupation Mining Use Only
- License of Occupation Surface Use Only
- License of Occupation Surface and Mining Rights
- License of Occupation Uses Not Specified
- Order in Council
- Tower
- WPLA

Geology Layers

- AMIS Sites
- AMIS Features
- Drill Holes
- Mineral Occurrences

0 140.2 km

Projection: Web Mercator



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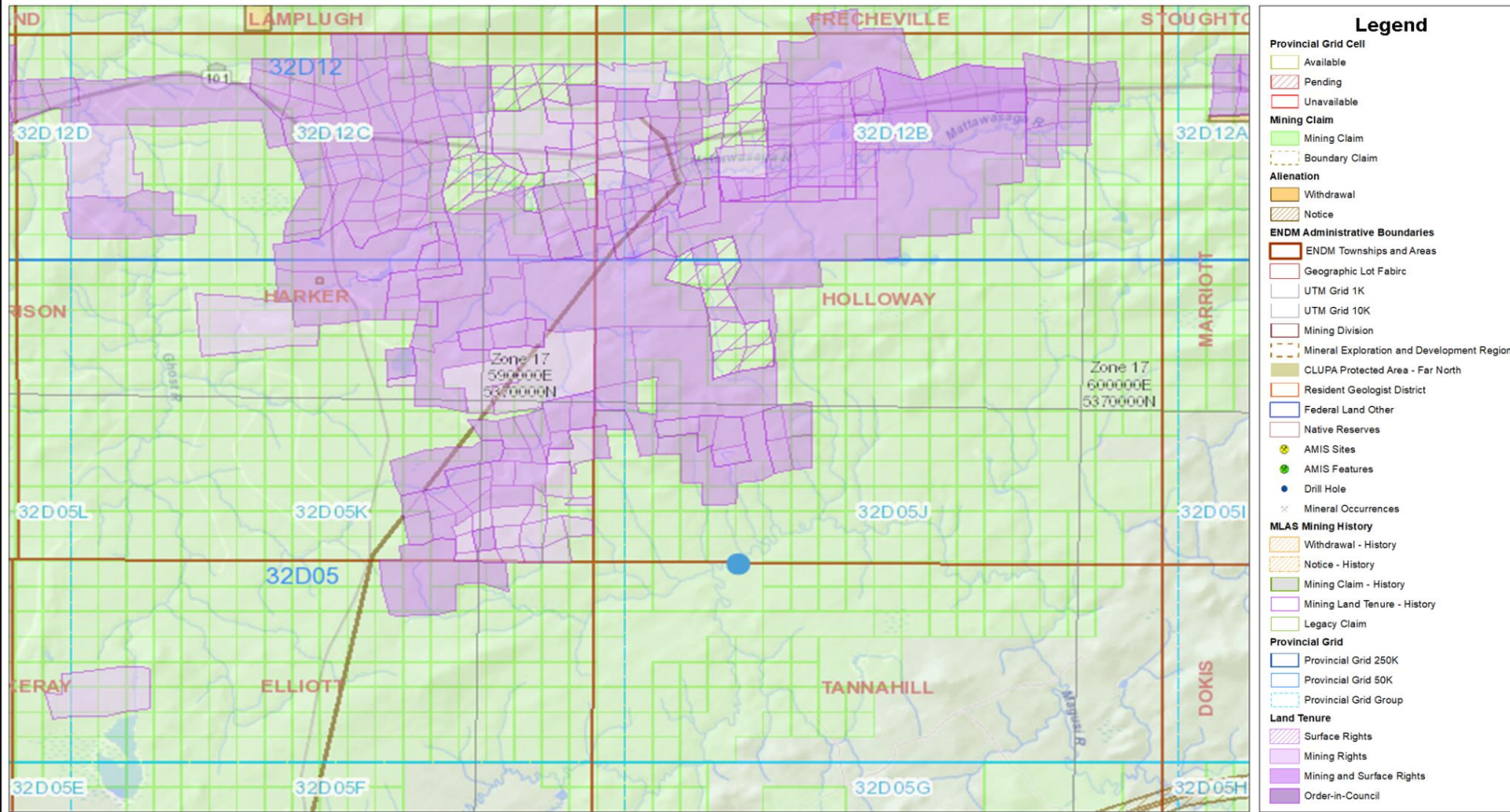
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**FIGURE 2: SURVEY LOCATION
MAP**

Notes: **Tannahill Property
Brandy Brook Mines Limited**



Legend

- Provincial Grid Cell**
 - Available
 - Pending
 - Unavailable
- Mining Claim**
 - Mining Claim
 - Boundary Claim
- Alienation**
 - Withdrawal
 - Notice
- ENDM Administrative Boundaries**
 - ENDM Townships and Areas
 - Geographic Lot Fabric
 - UTM Grid 1K
 - UTM Grid 10K
 - Mining Division
 - Mineral Exploration and Development Region
 - CLUPA Protected Area - Far North
 - Resident Geologist District
 - Federal Land Other
 - Native Reserves
- AMIS Sites**
 - AMIS Sites
 - AMIS Features
 - Drill Hole
 - Mineral Occurrences
- MLAS Mining History**
 - Withdrawal - History
 - Notice - History
 - Mining Claim - History
 - Mining Land Tenure - History
 - Legacy Claim
- Provincial Grid**
 - Provincial Grid 250K
 - Provincial Grid 50K
 - Provincial Grid Group
- Land Tenure**
 - Surface Rights
 - Mining Rights
 - Mining and Surface Rights
 - Order-in-Council

0 4.86 km

Projection: Web Mercator



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SURVEY LOCATION

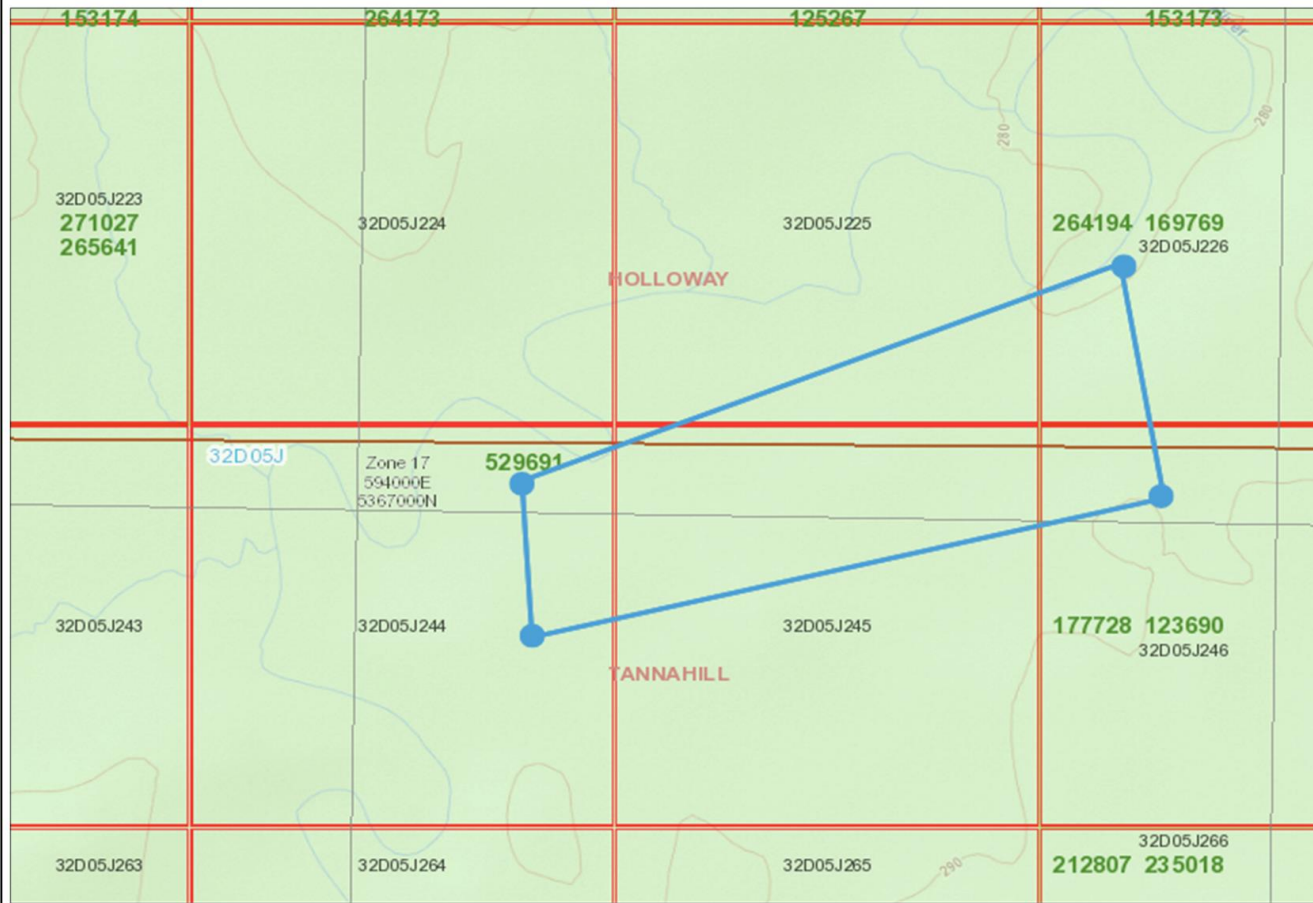
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FIGURE 3: SURVEY LOCATION MAP

Notes: **Tannahill Property**
Brandy Brook Mines Limited



Legend

- Provincial Grid Cell**
 - Available
 - Pending
 - Unavailable
- Mining Claim**
 - Mining Claim
 - Boundary Claim
- Alienation**
 - Withdrawal
 - Notice
- ENDM Administrative Boundaries**
 - ENDM Townships and Areas
 - Geographic Lot Fabric
 - UTM Grid 1K
 - UTM Grid 10K
 - Mining Division
 - Mineral Exploration and Development Region
 - CLUPA Protected Area - Far North
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 - Federal Land Other
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- AMIS Sites**
 - AMIS Sites
 - AMIS Features
 - Drill Hole
 - Mineral Occurrences
- MLAS Mining History**
 - Withdrawal - History
 - Notice - History
 - Mining Claim - History
 - Mining Land Tenure - History
 - Legacy Claim
- Provincial Grid**
 - Provincial Grid 250K
 - Provincial Grid 50K
 - Provincial Grid Group
- Land Tenure**
 - Surface Rights
 - Mining Rights
 - Mining and Surface Rights
 - Order-in-Council



Projection: Web Mercator



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Location of Soil Survey



Land Status and Topography

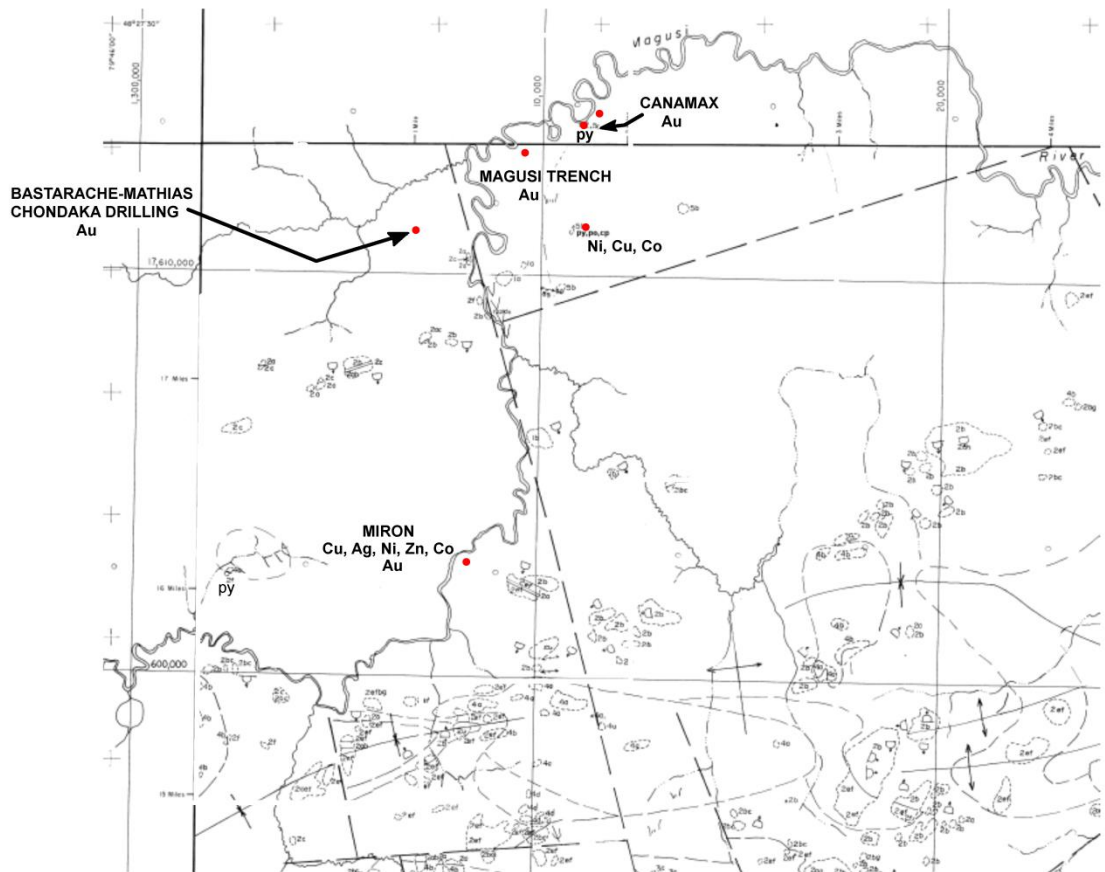
The soil survey was completed on lands designated as Crown Land. The survey area is uninhabited and there are no buildings, structures or electricity. The closest transmission line is approximately 5 km's west of the property.

The soil survey was bounded to the north by the flood plain of the Magusi River. The flood plain is flat, wet and covered by a thick growth of cedar, balsam and alders. The flood plain is bounded to the south by a small rise of overburden consisting of clay and till. Most of the area south of the flood plain has been clear-cut logged. Outcrop exposure within this region is extremely rare. The Magusi Trench and several small trenches located south of the Magusi River in the northeast section of the survey area are the only outcrops occurring in the area surveyed.

Geology

The survey area is located in the Harker-Holloway section of the Abitibi Greenstone Belt. The property is underlain by Archean units of the Blake River assemblage dated 2704 to 2696 Ma. Units consist mostly of massive and pillowed flows of mafic metavolcanic rocks and gabbroic sills and plutons (Figure 4).

Outcrops exposed in the survey area consist of altered and brecciated pillowed mafic metavolcanic rocks. Rock units generally trend northeast-southwest and dip very steeply to vertical. Rock units are extensively carbonated and mineralized with fine disseminated pyrite. Gold mineralization occurs in both areas of outcrop found within the survey area. Gold occurs with pyrite in carbonate alteration, silicification, quartz veins, quartz-carbonate stringers, shears and brecciated rock.



Intrusive Rock
 5b quartz diorite
 5c syenite & mafic syenite
 4 mafic intrusive

Volcanic & Sedimentary Rocks
 2 andesite or dacite
 2a massive andesite
 2b pillowed andesite
 2c flow breccia
 2d agglomerate
 2e agglomerate breccia
 2f lappilli tuff

Mafic Volcanic Rocks
 1a massive basalt
 1b pillowed basalt

source: ODM map P706

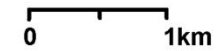


Figure 4.
GEOLOGY MAP
Tannahill Property
 Brandy Brook Mines Limited

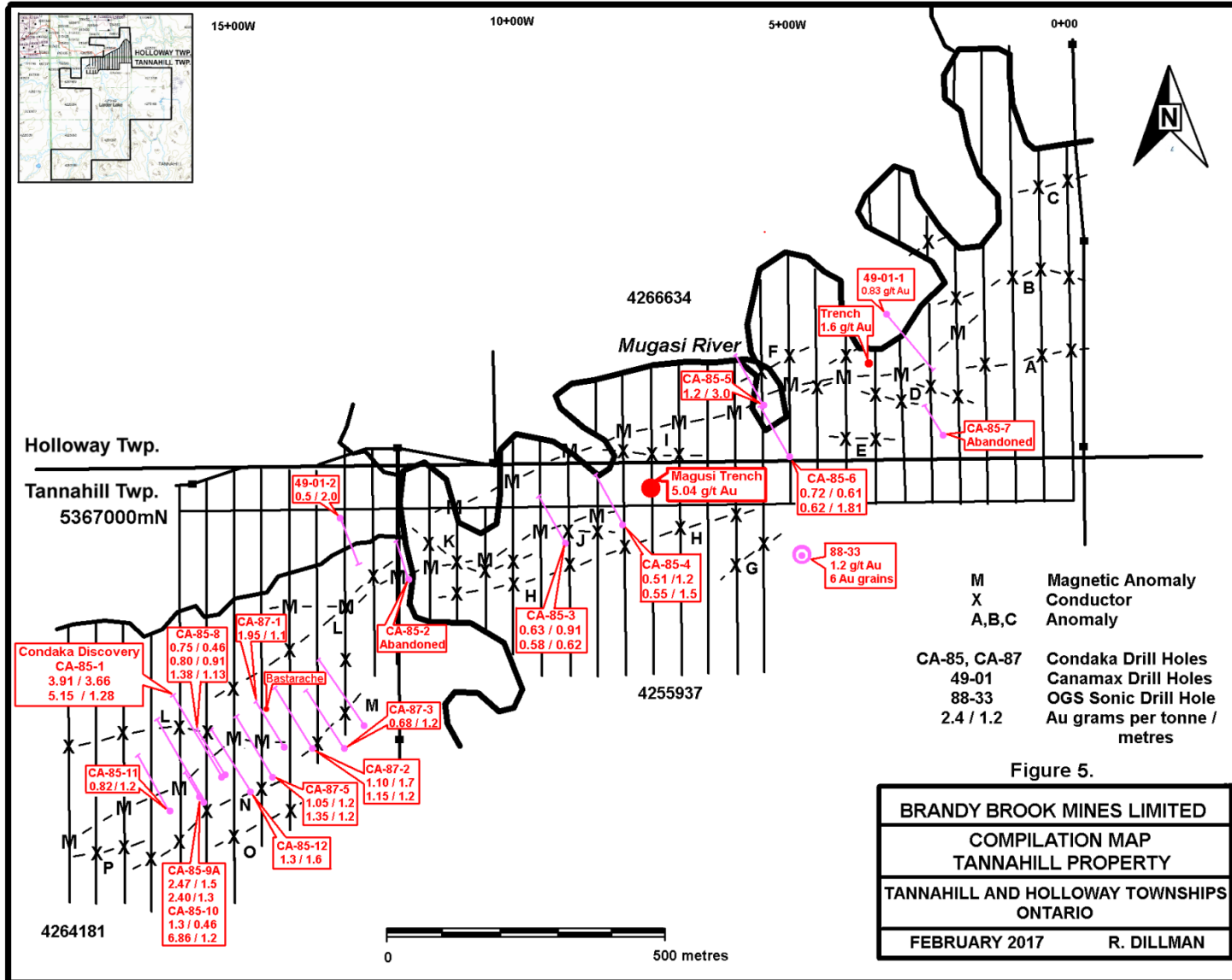
History of Exploration

The first reports of exploration work in the area are that of prospectors G. Bastarache and A. Mathias who, in 1981 report low gold values in sheared mafic metavolcanic rock and feldspar porphyry dikes. The two trenches located beside the Magusi River in cell 32D05J226 are believed to be credited to their efforts. Several later reports have made reference to one of the trenches exposing a quartz vein assaying 0.07 oz/t gold.

In 1982, Canamax Resources Inc. drilled 647 metres with 4 holes in the area. The trenches on the south side of the river was tested by drill hole 49-01-01. Multiple zones of low grade gold mineralization were intersected. The best section assayed 0.870 ppm over 2.0 metres and occurred near the bottom of the hole at a depth of 136 metres. (32D12NE0021, 32D12NE0013, 32D12NE0056).

In 1984, the Bastarache-Mathias property was optioned to Condaka Metals Corp. Over the next 3 years, Condaka completed airborne magnetometer and EM surveys, ground magnetometer and VLF-EM surveys, recorded geology and drilled 18 holes. The magnetometer surveys outlined a northeast trending magnetic feature following the Magusi River. Between 1985 to 1987, Condaka tested the magnetic feature with two drill programs. Most of the holes intersected multiple zones of sulphide mineralization assaying 0.5 to 1.2 g/t gold over widths ranging 0.5 to 2 metres wide. The best gold intersections were found in an area approximately 500 metres southwest of the big bend in the river. A hole drilled in the vicinity to a trench excavated by Bastarache-Mathias is reported to have intersected altered basalt assaying 0.15 oz/ton Au over 4.2 feet. Another hole in the same area intersected 0.112 oz/ton Au over 12 feet and 0.22 oz/ton Au over 4.0 feet in a second zone (32D12NE0047, 32D12NE0055, 32D12NE0008).

In 1988, the Ontario Geological Survey drilled three sonic overburden holes in the area (88-33, 88-34, 88-42). Hole 88-33 is believed to have been drilled within the region covered by the soil survey, in the area to the southeast of the Magusi Trench. The hole encountered 14.6 metres of overburden consisting of layers of silt and clay on till above bedrock



The bedrock encountered at the bottom of the hole is described as “altered” and “limonitic”. A bedrock sample could not be obtained for analysis however, a sample of the basal till layer situated above the altered bedrock assayed 1,200 ppb Au and contained 6 gold grains. One of these grains measured 250 x 400 microns in size. Analyses of the till also showed anomalous Cu, Co, Cd and extremely high Mn.

In 1994, Sheldon-Larder Mines Limited purchased claims covering the fore mentioned work. Five drill holes were completed in areas west of the present survey.

In 2001, Sheldon-Larder Mines Limited collected soil samples for a Mobile Metal Ionization survey in an effort to locate new areas of gold mineralization. Several gold and silver anomalies were detected. The survey by Brandy Brook covers a section of the region covered by the survey completed by Sheldon-Larder Mines Limited.

In 2003, Sheldon-Larder Mines Limited collected additional soil samples in a follow-up to work in 2001. A gold anomaly was detected in the vicinity to the Magusi Trench. Eventually the claims were allowed to lapse.

In 2011 and 2012, Brandy Brook Mines Limited staked claims covering the fore mentioned areas of work. Since acquiring the property, Brandy Brook has completed ground magnetometer and VLF surveys, recorded geology and performed both manual and mechanized overburden stripping. The highlight of this work was the discovery of gold mineralization and the subsequent excavation of the Magusi Trench. Assays up to 5.08 g/t Au have been obtained from outcrop in the trench.

Survey Dates and Personnel

Soil samples were collected for the survey on August 18, 2018 and August 19, 2018. Two days were devoted to the survey.

Soil samples were collected by James Chard of Cordova Mines, Ontario and the author, Robert Dillman of Mount Brydges, Ontario.

The samples were delivered to AGAT Laboratories on October 18, 2018. The samples were retrieved from AGAT on April 1, 2019.

Samples were shipped to SGS Canada's Burnaby lab on July 15, 2019 and August 13, 2019.

Survey Logistics

A total of 102 soil samples were collected during the project. The sample numbers collect during 2018 program include: M-1 to M-102 inclusive.

The samples were collected at roughly 25 metre intervals along lines spaced 50 and 75 metres apart. The lines were orientated on a bearing of 160⁰ – 340⁰. Flagging tape was used to mark each sample site. The UTM coordinates of each sample site were recorded using a Garmin Rhino GPS unit.

The samples were collected manually by shovel. All the samples were consistently collected a depth of 10 to 20 cm below the black humus-organic layer. Each sample was described and placed in a plastic zip-lock bag. Large pebbles were removed by hand during sample collection.

The soil samples were initially sent to AGAT Laboratories for analyses. AGAT Laboratories is located at 5023 McAdam Road in Mississauga, Ontario. All the soil samples were analyzed for 54 elements using an Ethylenediaminetetraactic (EDTA) Cyanide Leach followed by Inductively Coupled Plasma Mass Spectrometry (ICP-MS) to measure the amount of elements in each sample.

The soil samples were also sent to SGS Canada located at 3260 Production Way in Burnaby, B.C. The samples were analyzed for 8 elements by the Mobile Metal Ionization (MMI) technique which is a proprietary method of soil analyses.

Assay certificates from AGAT Laboratories and SGS Canada are appended to this report.

In order to determine anomalies within the assay results, background values over the survey area have to be determined for each element. Similar to other surveys, this requires some data manipulation and the calculation of Response Ratios. Initially, the Lower Quartile needs to be determined for each element in the assay Data Set. Lower Quartiles for some of the important elements analyzed by this survey are presented in Table 1. Assay values within the Data Set falling below the detection limit were consider as 0 and omitted from the calculation of the Lower Quartile. Response Ratios were calculated by dividing the assay value of any particular element by the Lower Quartile. Decimal values are rounded accordingly to make

whole numbers. Samples with the highest Response Ratios are considered anomalous. Geochemistry from rock samples collected in the Magusi Trench and other mineral occurrences in the area helped distinguish which elements are important to this survey (Table 2). The elements include: gold (Au), copper (Cu), silver (Ag), cobalt (Co), manganese (Mn), nickel (Ni), scandium (Sc), strontium (Sr), vanadium (V), zinc (Zn).

Results of Soil Sampling

The Response Ratios derived from the assay results for the soil samples analyzed by EDTA Cyanide Leach are summarized in Table 3. Response Ratios for samples analyzed by MMI are summarized in Table 4. Response Ratio for elements considered relevant have been plotted maps appended to this report.

Three soil anomalies emerge from the data:

Anomaly 1.) Au+Ag+Cu+Zn+Sc+Sr soil anomaly extends along the boundary between the flood plain and the slope of the river valley. This soil anomaly sits just south and strikes parallel to a northeast trending magnetic feature. The anomaly strikes across most of the north section of the survey area and links the mineralization in the Magusi Trench with the historic trenches in the northeast corner of the survey.

Anomaly 2.) Ag+Cu+Mn+Zn+Co+Sr+Ni+Au soil anomaly occurs in the south central section of the survey area and potentially extends east towards the southeast boundary of the survey and Anomaly 3. The soil anomaly coincides with a VLF conductor and possibly with the location of the OGS overburden drill hole 88-33.

Anomaly 3.) Cu+Mn+Sc+Zn+Co soil anomaly occurs on the southeast boundary of the survey area and could be an extension of Anomaly 2.

Palladium was detected by the EDTA Cyanide Leach in Anomaly 1 and Anomaly 2 but was not detected by the MMI technique. Palladium is not known to occur in rocks in the survey area however anomalous palladium occurs in a gabbroic intrusion located east of the survey area.

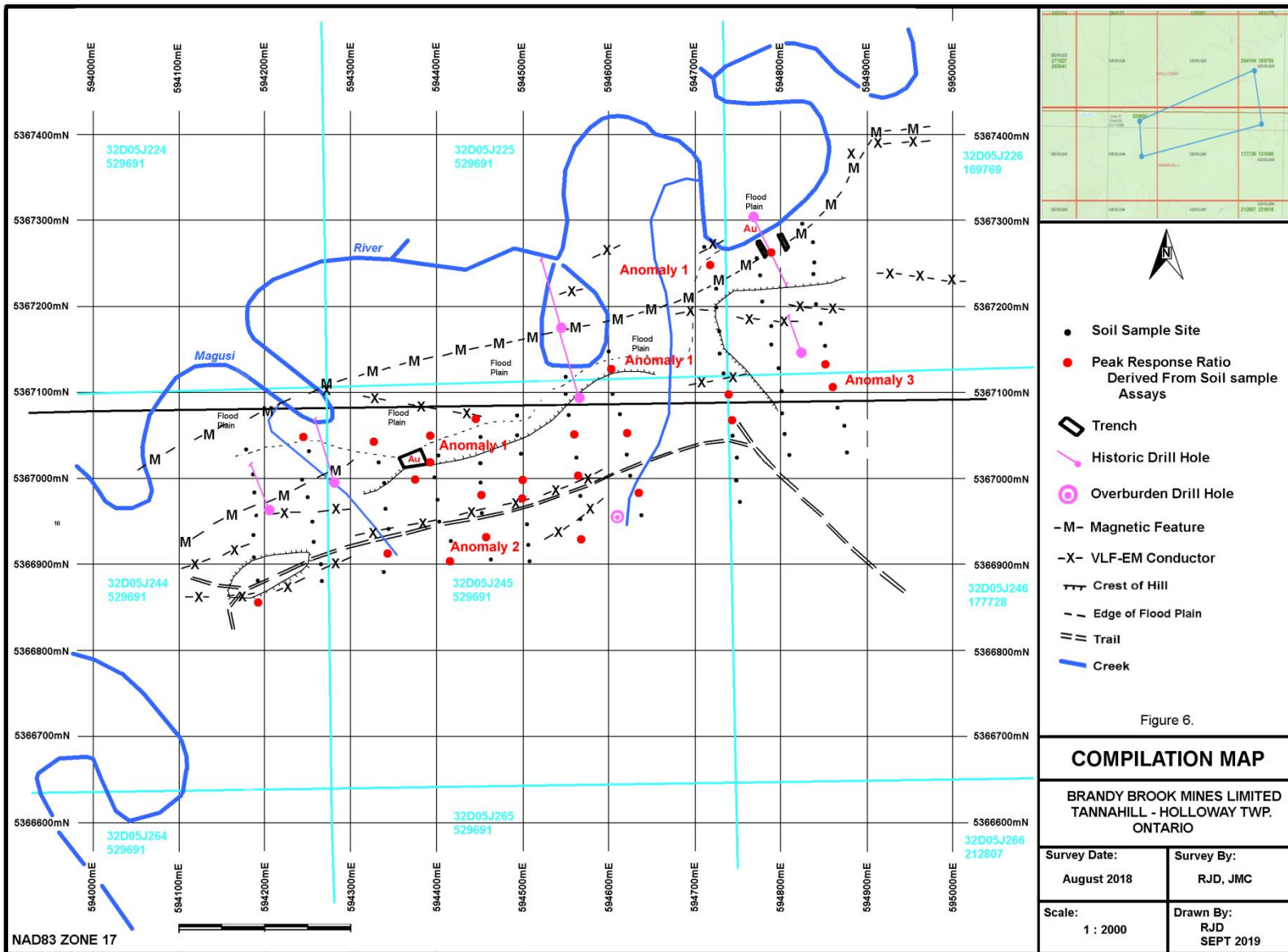
Vanadium was the most widespread element in the survey area and possibly reflects widespread alteration in the underlying bedrock. There is good correlation between the peaks of vanadium and the peaks of manganese. Scandium and strontium are also widespread and possibly associated with alteration in underlying.

Table 1.**Lower Quartile Derived from the Assays of Soil Samples collected in 2018 in the vicinity of the Magusi Trench**

ELEMENT	Assay Range EDTA	Lower Quartile EDTA	Assay Range MMI	Lower Quartile MMI
Gold (Au)	<1 ppb	1	0 – 0.7 ppb	0.2
Silver (Ag)	3 – 45 ppb	5.5	2.4 – 59.0 ppb	7.4
Cobalt (Co)	<5 – 392 ppb	29	24 – 372 ppb	64
Copper (Cu)	75 – 1570 ppb	219.5	<10 – 2460 ppb	305
Manganese (Mn)	85 – 12900 ppb	645	--	--
Nickel (Ni)	66 – 587 ppb	157	50 – 1310 ppb	220
Palladium (Pd)	<1 – 1640 ppb	118	0	--
Platinum (Pt)	<1 – 15 ppb	7	<0.1	--
Scandium (Sc)	<5 – 281 ppb	23	--	--
Strontium (Sr)	<10 -1020 ppb	121	--	--
Vanadium (V)	1 – 523 ppb	8	--	--
Zinc (Zn)	20 – 1740 ppb	192	20 – 2710 ppb	210

Table 2.**Summary of Rock Samples from the Magusi Trench (2016)**

Sample Numbers	Location	Au ppm	Ag ppm	Co ppm	Cu ppm	Mn ppm	Ni ppm	Sc ppm	Sr ppm	V ppm	Zn ppm
TR-3 to TR- 6	594374mE, 5367035mN	1.19 – 3.88	1.21 – 4.28	36.7 – 50.8	142 – 412	2120 – 3320	39.5 – 79.2	12 - 18.8	76.5 - 112	93.4 - 174	117 - 245
TR- 13 to TR-16		1.21 - 4.28	1.1 – 2.4	38.7 – 62.0	48.5 – 258	2250 – 4470	26.8 - 53.8	24.7– 26.9	102 - 120	124 - 221	44.0 - 116
TR-24 to TR-28		0.282 – 2.35	1.0 – 1.7	37.5 - 54.6	55.8 - 214	2060 - 3150	26.3 – 56.5	18.6 – 26.3	96.2 110	75.9 - 183	42.6 – 61.8



**Table 3: Soil Sample Locations, Descriptions and Response Ratios: EDTA Leach
Tannahill Property, Brandy Brook Mines Limited**

Sample Number	Location	UTM Coordinates	Ag	Au	Co	Cu	Mn	Ni	Pd	Pt	Sc	Sr	V	Zn	Notes
M-1	32D05J245 529691	594393mE 5367050mN	3	0	0	2	1	1	8	0	0	6	0	1	Edge of river plain. Magusi trench 15 m southwest. Flat, base of slope facing north. Alders, spruce, balsam, cedar.
M-2	32D05J245 529691	594402mE 5367021mN	1	0	1	1	1	1	1	0	3	1	10	2	Magusi trench 15 m west. Slope north. Logged.
M-3	32D05J245 529691	594397mE 5367002mN	1	0	1	1	2	1	2	0	6	2	3	3	Magusi trench 15 m northwest. Flat. Logged.
M-4	32D05J245 529691	594402mE 5366974mN	1	0	1	1	3	1	1	0	6	2	19	1	Flat. Logged
M-5	32D05J245 529691	594405mE 5366950mN	1	0	1	1	1	2	4	0	1	3	0	0	North side trail. Flat. Logged.
M-6	32D05J245 529691	594416mE 5366928mN	2	0	6	2	7	1	0	0	1	0	5	2	Flat. Logged.
M-7	32D05J245 529691	594422mE 5366904mN	1	0	6	1	11	1	1	1	6	1	21	2	Flat. Logged.
M-8	32D05J245 529691	594463mE 5366907mN	2	0	1	1	5	2	4	0	0	4	0	2	Flat. Logged.
M-9	32D05J245 529691	594459mE 5366931mN	2	0	4	2	11	2	6	0	0	5	0	2	Flat. Logged.
M-10	32D05J245 529691	594452E 5366960mN	1	0	0	2	1	1	8	0	1	6	1	2	Flat. Logged. North side of trail.
M-11	32D05J245 529691	594453E 5366979mN	1	0	4	1	6	1	0	0	6	1	34	2	Flat. Logged.
M-12	32D05J245 529691	594451E 5366993mN	1	0	2	1	2	1	0	1	4	1	20	2	Flat. Logged.

**Table 3 con't: Soil Sample Locations, Descriptions and Response Ratios: EDTA Leach
Tannahill Property, Brandy Brook Mines Limited**

Sample Number	Location	UTM Coordinates	Ag	Au	Co	Cu	Mn	Ni	Pd	Pt	Sc	Sr	V	Zn	Notes
M-13	32D05J245 529691	594450mE 5367019mN	1	0	1	1	1	1	0	0	3	1	11	2	Flat. Logged.
M-14	32D05J245 529691	594451mE 5367049mN	2	0	3	2	3	2	2	1	9	2	47	6	Slope north. Logged.
M-15	32D05J245 529691	594443mE 5367068mN	8	0	0	3	0	1	9	0	0	7	0	0	Edge of river plain. Flat. Alders, spruce, balsam, cedar.
M-16	32D05J245 529691	594491mE 5367076mN	2	0	0	2	1	3	2	0	2	3	0	2	Edge of river plain. Flat. Alders, spruce, balsam, cedar.
M-17	32D05J245 529691	594491mE 5367050mN	1	0	0	1	1	2	2	0	2	2	2	3	Slope north.
M-18	32D05J245 529691	594496mE 5367028mN	1	0	1	1	1	2	3	0	3	3	1	1	Flat. Logged.
M-19	32D05J245 529691	594496mE 5366999mN	3	0	14	3	14	3	1	2	11	1	65	5	Flat. Logged.
M-20	32D05J245 529691	594499mE 5366974mN	1	0	4	2	12	2	2	1	6	2	26	6	North side trail. Flat. Logged.
M-21	32D05J245 529691	594504mE 5366946mN	2	0	0	2	3	1	5	0	1	4	0	1	Boggy, wet. Cut
M-22	32D05J245 529691	594506mE 5366924mN	2	0	3	1	2	1	0	1	5	1	24	3	North side trail. Flat. Logged.
M-23	32D05J245 529691	594509mE 5366904mN	2	0	3	4	4	2	9	0	0	6	1	1	Boggy, wet. Cut
M-24	32D05J245 529691	594563mE 5366929mN	3	0	2	6	4	3	5	0	1	3	1	1	Edge of boggy area and cut.

**Table 3 con't: Soil Sample Locations, Descriptions and Response Ratios: EDTA Leach
Tannahill Property, Brandy Brook Mines Limited**

Sample Number	Location	UTM Coordinates	Ag	Au	Co	Cu	Mn	Ni	Pd	Pt	Sc	Sr	V	Zn	Notes
M-25	32D05J245 529691	594464mE 5366951mN	4	0	1	4	1	1	7	0	0	5	0	0	50 cm humus layer. Logged.
M-26	32D05J245 529691	594560mE 5366977mN	1	0	1	1	4	1	5	0	1	3	1	2	South side trail. Flat. Logged.
M-27	32D05J245 529691	594561mE 5367004mN	1	0	6	1	6	1	0	1	5	1	30	4	Slight rise. Logged.
M-28	32D05J245 529691	594558mE 5367024mN	1	0	1	1	1	1	0	0	1	0	6	2	Top of rise. Logged.
M-29	32D05J245 529691	594560mE 5367052mN	1	0	3	1	2	1	1	1	8	1	50	3	Top of rise. Spruce.
M-30	32D05J245 529691	594554mE 5367076mN	1	0	2	1	2	1	1	1	5	1	25	2	Slope north. Spruce, alders.
M-31	32D05J245 529691	594550mE 5367098mN	1	0	1	1	2	1	2	1	7	2	22	2	Slope north. Spruce, alders.
M-32	32D05J225 529691	594551mE 5367116mN	3	0	2	3	5	2	8	0	0	6	0	0	Edge of river plain. Flat. Alders, spruce, balsam, cedar.
M-33	32D05J245 529691	594385mE 5367022mN	2	0	2	1	4	1	1	0	3	1	8	6	Test sample. Bank 10 m east of Magusi Trench
M-34	32D05J245 529691	594374mE 5366999mN	1	0	1	3	2	1	1	0	2	1	4	5	Test sample. Bank 20 m south of Magusi Trench
M-35	32D05J246 177728	594753mE 5366975mN	4	0	1	4	2	3	7	0	0	5	0	0	5 m south of creek, logged.
M-36	32D05J246 177728	594748mE 5366997mN	2	0	2	2	2	1	5	0	1	3	1	1	Moved 5 m southwest due to log pile. Logged.

**Table 3 con't: Soil Sample Locations, Descriptions and Response Ratios: EDTA Leach
Tannahill Property, Brandy Brook Mines Limited**

Sample Number	Location	UTM Coordinates	Ag	Au	Co	Cu	Mn	Ni	Pd	Pt	Sc	Sr	V	Zn	Notes
M-37	32D05J246 177728	594749mE 5367024mN	2	0	2	2	4	2	4	0	1	3	1	1	North side trail. Flat. Logged.
M-38	32D05J246 177728	594744mE 5367050mN	4	0	1	4	1	1	8	0	0	6	0	1	Moved 5 m north due to log pile. 30 cm humus. Logged.
M-39	32D05J246 177728	594742mE 5367073mN	3	0	1	2	2	1	9	0	0	7	0	0	Slight slope west. Skidder track. Logged.
M-40	32D05J246 177728	594736mE 5367098mN	7	0	1	4	1	1	9	0	0	6	0	1	Same, trail 5m east. 25 cm humus. Logged.
M-41	32D05J225 529691	594734mE 5367120mN	5	0	1	3	1	1	9	0	0	7	0	0	Same, trail 5m east. 15 cm humus. Logged.
M-42	32D05J225 529691	594726mE 5367145mN	4	0	2	1	2	3	4	0	1	3	0	0	Same, trail 5m east. 35 cm humus. Logged.
M-43	32D05J225 529691	594750mE 5367170mN	2	0	1	1	6	1	2	0	2	2	6	2	Slight slope west. Logged.
M-44	32D05J225 529691	594722mE 5367199mN	1	0	2	1	1	1	2	1	7	2	21	2	Base of steep slope west. Spruce.
M-45	32D05J225 529691	594723mE 5367223mN	1	0	2	1	2	1	0	0	2	1	12	1	Base of steep slope west and river plain. Spruce, alders.
M-46	32D05J225 529691	594717mE 5367247mN	3	0	0	3	1	1	13	0	0	8	1	0	River plain. Spruce, alders.
M-47	32D05J225 529691	594712mE 5367270mN	1	0	1	1	0	2	1	0	2	1	2	0	River plain. Spruce, alders.
M-48	32D05J226 169769	594748mE 5366997mN	2	0	0	2	1	0	13	0	0	8	1	0	Test sample taken from east wall in trench.

**Table 3 con't: Soil Sample Locations, Descriptions and Response Ratios: EDTA Leach
Tannahill Property, Brandy Brook Mines Limited**

Sample Number	Location	UTM Coordinates	Ag	Au	Co	Cu	Mn	Ni	Pd	Pt	Sc	Sr	V	Zn	Notes
M-49	32D05J226 169769	594755mE 5367257mN	1	0	2	2	1	1	2	0	4	2	8	2	15 m west of river and FeC – Au outcrop. Alders, spruce, balsam.
M-50	32D05J226 169769	594779mE 5367231mN	1	0	3	2	1	1	1	1	3	1	8	2	North facing slope. Spruce, balsam.
M-51	32D05J226 169769	594780mE 5367207mN	1	0	2	2	1	1	1	0	3	1	10	4	North facing slope. Spruce, balsam.
M-52	32D05J226 169769	594790mE 5367178mN	1	0	3	1	2	1	0	0	3	0	10	4	North facing slope. Spruce, balsam.
M-53	32D05J226 169769	594788mE 5367159mN	3	0	2	1	2	1	1	0	3	1	7	2	Logged, flat.
M-54	32D05J226 169769	594796mE 5367129mN	1	0	2	1	2	1	1	0	7	1	27	3	Flat, spruce.
M-55	32D05J246 177728	5947801mE 5367103mN	1	0	2	1	1	1	1	0	3	1	6	3	Edge of logged area. Spruce.
M-56	32D05J246 177728	594803mE 5367078mN	1	0	3	1	4	1	1	1	6	1	24	4	Logged. Slight slope west.
M-57	32D05J246 177728	594807mE 5367053mN	1	0	2	2	2	1	1	0	5	1	15	4	Logged. Slight slope west.
M-58	32D05J246 177728	594812mE 5367029mN	1	0	1	2	1	1	1	0	3	1	6	4	Logged. Slight slope west. Trail 12 m west.
M-59	32D05J246 177728	594874mE 5367031mN	1	0	3	2	4	1	1	0	2	1	4	4	Flat, alders.
M-60	32D05J246 177728	594870mE 5367061mN	2	0	4	2	7	3	1	1	6	2	18	4	Flat, alders. Skidder track.

**Table 3 con't: Soil Sample Locations, Descriptions and Response Ratios: EDTA Leach
Tannahill Property, Brandy Brook Mines Limited**

Sample Number	Location	UTM Coordinates	Ag	Au	Co	Cu	Mn	Ni	Pd	Pt	Sc	Sr	V	Zn	Notes
M-61	32D05J246 177728	594870mE 5367061mN	2	0	4	2	6	3	0	1	7	1	21	5	Flat, alders, logged. Skidder track.
M-62	32D05J246 177728	594861mE 5367106mN	2	0	13	3	16	3	2	2	13	2	53	9	Spruce, 15 cm humus.
M-63	32D05J226 169769	594852mE 5367133mN	2	0	10	7	10	3	2	2	11	2	60	4	Spruce, 20 cm humus.
M-64	32D05J226 169769	594851mE 5367159mN	2	0	2	2	5	3	2	0	4	2	10	5	Spruce, 15 cm humus.
M-65	32D05J226 169769	594847mE 5367179mN	1	0	2	1	2	1	2	0	4	1	9	3	Spruce, 55 cm humus.
M-66	32D05J226 169769	594838mE 5367204mN	1	0	2	1	1	1	2	1	6	1	20	3	Spruce, 35 cm humus.
M-67	32D05J226 169769	594835mE 5367232mN	1	0	1	0	1	1	2	0	1	0	3	2	Top of hill. Possible old road. Spruce, grass.
M-68	32D05J226 169769	594837mE 5367251mN	1	0	1	1	1	1	2	0	4	2	16	4	Gentle slope north. Spruce, grass.
M-69	32D05J226 169769	594837mE 5367278mN	1	0	1	1	1	1	1	0	5	3	3	0	Moderate slope north. Gully 10 m east.
M-70	32D05J226 169769	594827mE 5367293mN	2	0	0	2	1	1	0	0	1	2	1	0	Moderate slope north. Creek 3 m east. River 10 north.
M-71	32D05J245 529691	594328mE 5367042mN	6	0	0	4	0	1	0	0	0	6	0	1	Flat, River plain. Alders, cedar, balsam.
M-72	32D05J245 529691	594330mE 5367019mN	2	0	1	2	1	1	1	0	1	4	0	3	North facing slope. Logged

**Table 3 con't: Soil Sample Locations, Descriptions and Response Ratios: EDTA Leach
Tannahill Property, Brandy Brook Mines Limited**

Sample Number	Location	UTM Coordinates	Ag	Au	Co	Cu	Mn	Ni	Pd	Pt	Sc	Sr	V	Zn	Notes
M-73	32D05J245 529691	594336mE 5366991mN	2	0	2	2	3	1	2	1	6	2	23	4	Top of slope. Logged. Geophysics Baseline 7+82W, 0+07S
M-74	32D05J245 529691	594338mE 5366966mN	2	0	2	1	3	1	2	1	6	1	23	3	Logged. Slight slope southwest.
M-75	32D05J245 529691	594340mE 536944mN	1	0	3	2	5	1	1	0	6	3	1	1	Low, boggy. Wood pile 10 m north. Skidder track.
M-76	32D05J245 529691	594342mE 5366911mN	2	0	2	2	3	3	1	1	9	2	22	4	12 m south of trail. Spruce, alders.
M-77	32D05J245 529691	594336mE 5366892mN	2	0	1	3	1	2	0	0	1	4	1	2	Low boggy. Alders, spruce.
M-78	32D05J244 529691	594266mE 536881mN	1	0	1	0	0	1	1	0	2	1	6	1	Low, base of gentle slope south. Edge of cut.
M-79	32D05J244 529691	594262mE 5366903mN	3	0	1	1	1	1	2	0	2	0	5	1	Logged. 10 m south of trail.
M-80	32D05J244 529691	594257mE 5366927mN	1	0	2	1	2	1	2	1	5	0	19	2	Logged. Gentle slope facing south.
M-81	32D05J244 529691	594256mE 5366951mN	1	0	2	1	1	1	3	0	4	0	13	3	Flat. Edge of cut. Alders, spruce.
M-82	32D05J244 529691	594250mE 5366978mN	2	0	2	0	0	0	1	0	1	0	2	1	Flat. Logged.
M-83	32D05J244 529691	594244mE 5366999mN	1	0	1	0	0	0	1	0	2	0	5	1	Spruce, alders. Steep north facing slope.
M-84	32D05J244 529691	594251mE 5367034mN	1	0	2	2	1	2	2	1	9	4	23	3	Spruce. Moderate Slope north.

**Table 3 con't: Soil Sample Locations, Descriptions and Response Ratios: EDTA Leach
Tannahill Property, Brandy Brook Mines Limited**

Sample Number	Location	UTM Coordinates	Ag	Au	Co	Cu	Mn	Ni	Pd	Pt	Sc	Sr	V	Zn	Notes
M-85	32D05J244 529691	594245mE 5367049mN	2	0	1	2	1	1	2	0	2	4	1	2	Base of north facing slope and river plain. River 12 m northeast.
M-86	32D05J244 529691	594179mE 5367034mN	2	0	3	2	2	2	3	0	6	2	16	5	Base of north facing slope and river plain. Spruce.
M-87	32D05J244 529691	594184mE 5367009mN	2	0	2	2	1	1	3	0	8	1	26	4	Gentle north facing slope. Logged.
M-88	32D05J244 529691	594185mE 5366986mN	3	0	2	1	2	1	2	1	7	2	28	6	Gentle north facing slope. Logged.
M-89	32D05J244 529691	594190mE 5366958mN	2	0	1	1	3	1	2	0	4	1	17	5	Gentle north facing slope. Logged.
M-90	32D05J244 529691	594187mE 536932mN	3	0	1	2	1	1	3	0	5	2	16	2	Just below hill top. Logged.
M-91	32D05J244 529691	594190mE 5366908mN	2	0	2	2	2	1	3	0	6	2	25	2	Gentle south facing slope. Logged.
M-92	32D05J244 529691	594191mE 5366883mN	2	0	1	1	1	1	3	0	3	1	10	1	Gentle south facing slope. Logged.
M-93	32D05J244 529691	594192mE 5366859mN	3	0	3	2	3	2	4	1	7	1	39	3	Base of slope. Logged.
M-94	32D05J245 529691	594629mE 5366982mN	2	0	2	3	8	3	1	0	1	3	1	3	Low area, wet. Logged.
M-95	32D05J245 529691	594630mE 5366983mN	5	0	7	6	20	4	1	0	1	4	1	2	Low area, wet. Logged.
M-96	32D05J245 529691	594626mE 5367004mN	4	0	1	3	3	2	1	0	1	5	0	1	Gentle slope southeast. Trail 10 m north. Skidder track.

**Table 3 con't: Soil Sample Locations, Descriptions and Response Ratios: EDTA Leach
Tannahill Property, Brandy Brook Mines Limited**

Sample Number	Location	UTM Coordinates	Ag	Au	Co	Cu	Mn	Ni	Pd	Pt	Sc	Sr	V	Zn	Notes
M-97	32D05J245 529691	594620mE 5367029mN	2	0	1	1	1	2	2	0	2	2	2	0	Flat. Logged.
M-98	32D05J245 529691	594619mE 5367056mN	2	0	3	2	6	3	3	0	4	2	6	1	Flat. Logged. Skidder track.
M-99	32D05J245 529691	594611mE 5367078mN	2	0	2	1	1	1	0	0	5	0	15	1	Flat. Logged. Skidder track.
M-100	32D05J245 529691	594608mE 5367099mN	3	0	2	1	1	1	0	0	5	1	21	1	Gentle slope north. Logged.
M-101	32D05J225 529691	594606mE 5367130mN	1	0	3	2	3	2	1	1	9	1	46	2	Edge of moderate slope north. Spruce.
M-102	32D05J225 529691	594600mE 5367147mN	3	0	0	3	1	1	8	0	0	5	0	0	Base of slope and river 5 m north. Spruce.

**Table 4: Soil Sample Locations, Descriptions and Response Ratios: Mobile Metal Ionization
Tannahill Property, Brandy Brook Mines Limited**

Sample Number	Location	UTM Coordinates	Ag ppm	Au ppm	Co ppm	Cu ppm	Ni ppm	Pd ppm	Pt ppm	Zn ppm	Ag+Au+Cu
M-1	32D05J245 529691	594393mE 5367050mN	7	2	2	7	3	0	0	2	16
M-2	32D05J245 529691	594402mE 5367021mN	4	1	2	3	3	0	0	4	8
M-3	32D05J245 529691	594397mE 5367002mN	1	0	2	2	2	0	0	6	3
M-4	32D05J245 529691	594402mE 5366974mN	1	0	1	2	2	0	0	1	3
M-5	32D05J245 529691	594405mE 5366950mN	1	0	1	3	2	0	0	1	4
M-6	32D05J245 529691	594416mE 5366928mN	1	0	6	2	2	0	0	3	3
M-7	32D05J245 529691	594422mE 5366904mN	1	1	6	2	3	0	0	3	4
M-8	32D05J245 529691	594463mE 5366907mN	3	1	2	3	3	0	0	3	7
M-9	32D05J245 529691	594459mE 5366931mN	4	1	2	3	4	0	0	4	8
M-10	32D05J245 529691	594452E 5366960mN	1	2	1	3	1	0	0	2	6
M-11	32D05J245 529691	594453E 5366979mN	1	1	2	1	1	0	0	2	3
M-12	32D05J245 529691	594451E 5366993mN	1	1	1	1	1	0	0	3	3

**Table 4 con't: Soil Sample Locations, Descriptions and Response Ratios: Mobile Metal Ionization
Tannahill Property, Brandy Brook Mines Limited**

Sample Number	Location	UTM Coordinates	Ag ppm	Au ppm	Co ppm	Cu ppm	Ni ppm	Pd ppm	Pt ppm	Zn ppm	Ag+Au+Cu
M-13	32D05J245 529691	594450mE 5367019mN	1	0	1	1	1	0	0	1	2
M-14	32D05J245 529691	594451mE 5367049mN	1	0	1	2	1	0	0	6	3
M-15	32D05J245 529691	594443mE 5367068mN	8	1	1	6	2	0	0	1	15
M-16	32D05J245 529691	594491mE 5367076mN	3	2	1	3	4	0	0	3	8
M-17	32D05J245 529691	594491mE 5367050mN	2	1	1	3	3	0	0	4	6
M-18	32D05J245 529691	594496mE 5367028mN	1	0	3	1	2	0	0	3	2
M-19	32D05J245 529691	594496mE 5366999mN	2	2	4	3	4	0	0	2	7
M-20	32D05J245 529691	594499mE 5366974mN	1	1	3	2	3	0	0	8	4
M-21	32D05J245 529691	594504mE 5366946mN	2	2	1	4	3	0	0	3	8
M-22	32D05J245 529691	594506mE 5366924mN	1	0	2	1	1	0	0	1	2
M-23	32D05J245 529691	594509mE 5366904mN	3	2	3	4	4	0	0	2	9
M-24	32D05J245 529691	594563mE 5366929mN	5	2	3	8	6	0	0	3	15

**Table 4 con't: Soil Sample Locations Descriptions and Response Ratios: Mobile Metal Ionization
Tannahill Property, Brandy Brook Mines Limited**

Sample Number	Location	UTM Coordinates	Ag ppm	Au ppm	Co ppm	Cu ppm	Ni ppm	Pd ppm	Pt ppm	Zn ppm	Ag+Au+Cu
M-25	32D05J245 529691	594464mE 5366951mN	4	2	1	8	1	0	0	1	14
M-26	32D05J245 529691	594560mE 5366977mN	2	2	1	4	3	0	0	2	8
M-27	32D05J245 529691	594561mE 5367004mN	1	0	4	0	1	0	0	1	1
M-28	32D05J245 529691	594558mE 5367024mN	1	0	1	0	1	0	0	1	1
M-29	32D05J245 529691	594560mE 5367052mN	1	0	1	0	1	0	0	1	1
M-30	32D05J245 529691	594554mE 5367076mN	0	0	3	1	1	0	0	1	1
M-31	32D05J245 529691	594550mE 5367098mN	1	0	1	2	2	0	0	4	3
M-32	32D05J225 529691	594551mE 5367116mN	3	1	1	3	4	0	0	1	7
M-33	32D05J245 529691	594385mE 5367022mN	2	0	5	1	2	0	0	12	3
M-34	32D05J245 529691	594374mE 5366999mN	1	1	4	2	2	0	0	9	4
M-35	32D05J246 177728	594753mE 5366975mN	3	1	1	3	5	0	0	1	7
M-36	32D05J246 177728	594748mE 5366997mN	3	1	2	6	3	0	0	1	10

**Table 4 con't: Soil Sample Locations, Descriptions and Response Ratios: Mobile Metal Ionization
Tannahill Property, Brandy Brook Mines Limited**

Sample Number	Location	UTM Coordinates	Ag ppm	Au ppm	Co ppm	Cu ppm	Ni ppm	Pd ppm	Pt ppm	Zn ppm	Ag+Au+Cu
M-37	32D05J246 177728	594749mE 5367024mN	3	2	2	3	4	0	0	2	8
M-38	32D05J246 177728	594744mE 5367050mN	6	2	1	7	3	0	0	1	15
M-39	32D05J246 177728	594742mE 5367073mN	6	2	2	6	3	0	0	1	14
M-40	32D05J246 177728	594736mE 5367098mN	7	2	1	6	3	0	0	1	15
M-41	32D05J225 529691	594734mE 5367120mN	6	2	1	5	3	0	0	0	15
M-42	32D05J225 529691	594726mE 5367145mN	6	1	1	4	6	0	0	0	11
M-43	32D05J225 529691	594750mE 5367170mN	2	1	1	1	2	0	0	4	4
M-44	32D05J225 529691	594722mE 5367199mN	1	0	1	1	1	0	0	1	2
M-45	32D05J225 529691	594723mE 5367223mN	0	0	2	0	0	0	0	1	0
M-46	32D05J225 529691	594717mE 5367247mN	5	3	1	8	1	0	0	0	16
M-47	32D05J225 529691	594712mE 5367270mN	2	0	1	1	2	0	0	0	3
M-48	32D05J226 169769	594748mE 5366997mN	2	2	1	3	1	0	0	0	7

**Table 4 con't: Soil Sample Locations, Descriptions and Response Ratios: Mobile Metal Ionization
Tannahill Property, Brandy Brook Mines Limited**

Sample Number	Location	UTM Coordinates	Ag ppm	Au ppm	Co ppm	Cu ppm	Ni ppm	Pd ppm	Pt ppm	Zn ppm	Ag+Au+Cu
M-49	32D05J226 169769	594755mE 5367257mN	1	2	3	2	2	0	0	3	5
M-50	32D05J226 169769	594779mE 5367231mN	2	0	5	1	1	0	0	3	3
M-51	32D05J226 169769	594780mE 5367207mN	1	0	4	1	1	0	0	3	2
M-52	32D05J226 169769	594790mE 5367178mN	2	1	3	1	1	0	0	4	4
M-53	32D05J226 169769	594788mE 5367159mN	1	0	2	1	2	0	0	2	2
M-54	32D05J226 169769	594796mE 5367129mN	1	0	1	0	1	0	0	1	1
M-55	32D05J246 177728	5947801mE 5367103mN	1	0	2	1	1	0	0	4	2
M-56	32D05J246 177728	594803mE 5367078mN	1	1	2	1	1	0	0	5	3
M-57	32D05J246 177728	594807mE 5367053mN	1	1	1	2	2	0	0	4	4
M-58	32D05J246 177728	594812mE 5367029mN	1	0	2	1	2	0	0	4	2
M-59	32D05J246 177728	594874mE 5367031mN	2	1	3	3	3	0	0	4	6
M-60	32D05J246 177728	594870mE 5367061mN	1	0	3	2	3	0	0	4	3

**Table 4 con't: Soil Sample Locations, Descriptions and Response Ratios: Mobile Metal Ionization
Tannahill Property, Brandy Brook Mines Limited**

Sample Number	Location	UTM Coordinates	Ag ppm	Au ppm	Co ppm	Cu ppm	Ni ppm	Pd ppm	Pt ppm	Zn ppm	Ag+Au+Cu
M-61	32D05J246 177728	594870mE 5367061mN	2	2	1	4	4	0	0	5	8
M-62	32D05J246 177728	594861mE 5367106mN	1	0	6	1	2	0	0	6	2
M-63	32D05J226 169769	594852mE 5367133mN	3	1	4	3	4	0	0	6	7
M-64	32D05J226 169769	594851mE 5367159mN	1	1	2	2	3	0	0	7	4
M-65	32D05J226 169769	594847mE 5367179mN	1	0	2	0	1	0	0	1	1
M-66	32D05J226 169769	594838mE 5367204mN	1	1	1	1	1	0	0	2	3
M-67	32D05J226 169769	594835mE 5367232mN	1	0	1	0	1	0	0	1	1
M-68	32D05J226 169769	594837mE 5367251mN	1	0	2	2	2	0	0	8	3
M-69	32D05J226 169769	594837mE 5367278mN	2	2	2	1	1	0	0	1	5
M-70	32D05J226 169769	594827mE 5367293mN	3	2	0	3	2	0	0	0	8
M-71	32D05J245 529691	594328mE 5367042mN	8	2	1	8	2	0	0	1	18
M-72	32D05J245 529691	594330mE 5367019mN	2	2	1	3	1	0	0	5	7

**Table 4 con't: Soil Sample Locations, Descriptions and Response Ratios: Mobile Metal Ionization
Tannahill Property, Brandy Brook Mines Limited**

Sample Number	Location	UTM Coordinates	Ag ppm	Au ppm	Co ppm	Cu ppm	Ni ppm	Pd ppm	Pt ppm	Zn ppm	Ag+Au+Cu
M-73	32D05J245 529691	594336mE 5366991mN	2	0	3	2	1	0	0	4	4
M-74	32D05J245 529691	594338mE 5366966mN	2	1	1	2	1	0	0	3	5
M-75	32D05J245 529691	594340mE 536944mN	1	0	1	3	3	0	0	1	3
M-76	32D05J245 529691	594342mE 5366911mN	4	1	1	4	6	0	0	4	9
M-77	32D05J245 529691	594336mE 5366892mN	2	2	1	3	2	0	0	6	7
M-78	32D05J245 529691	594266mE 536881mN	1	0	1	0	1	0	0	1	1
M-79	32D05J245 529691	594262mE 5366903mN	2	1	1	1	1	0	0	1	4
M-80	32D05J245 529691	594257mE 5366927mN	2	1	1	1	1	0	0	3	4
M-81	32D05J245 529691	594256mE 5366951mN	1	0	1	0	0	0	0	2	1
M-82	32D05J245 529691	594250mE 5366978mN	1	0	1	0	0	0	0	1	1
M-83	32D05J245 529691	594244mE 5366999mN	1	0	0	0	0	0	0	0	1
M-84	32D05J245 529691	594251mE 5367034mN	1	1	1	2	1	0	0	4	4

**Table 4 con't: Soil Sample Locations, Descriptions and Response Ratios: Mobile Metal Ionization
Tannahill Property, Brandy Brook Mines Limited**

Sample Number	Location	UTM Coordinates	Ag ppm	Au ppm	Co ppm	Cu ppm	Ni ppm	Pd ppm	Pt ppm	Zn ppm	Ag+Au+Cu
M-85	32D05J245 529691	594245mE 5367049mN	2	4	1	3	1	0	0	1	9
M-86	32D05J245 529691	594179mE 5367034mN	3	0	3	3	2	0	0	4	6
M-87	32D05J245 529691	594184mE 5367009mN	1	0	1	1	1	0	0	2	2
M-88	32D05J245 529691	594185mE 5366986mN	1	0	1	2	1	0	0	7	2
M-89	32D05J245 529691	594190mE 5366958mN	2	1	2	1	1	0	0	5	4
M-90	32D05J245 529691	594187mE 536932mN	2	1	1	2	1	0	0	3	5
M-91	32D05J245 529691	594190mE 5366908mN	2	1	2	2	1	0	0	3	5
M-92	32D05J245 529691	594191mE 5366883mN	3	0	2	1	1	0	0	2	4
M-93	32D05J245 529691	594192mE 5366859mN	2	0	2	1	1	0	0	1	3
M-94	32D05J245 529691	594629mE 5366982mN	3	2	1	5	3	0	0	2	10
M-95	32D05J245 529691	594630mE 5366983mN	3	1	4	4	5	0	0	3	8
M-96	32D05J245 529691	594626mE 5367004mN	5	2	1	3	3	0	0	1	10

**Table 4 con't: Soil Sample Locations and Assays: Mobile Metal Ionization
Tannahill Property, Brandy Brook Mines Limited**

Sample Number	Location	UTM Coordinates	Ag ppm	Au ppm	Co ppm	Cu ppm	Ni ppm	Pd ppm	Pt ppm	Zn ppm	Ag+Au+Cu
M-97	32D05J245 529691	594620mE 5367029mN	2	1	1	2	4	0	0	6	5
M-98	32D05J245 529691	594619mE 5367056mN	1	0	3	2	3	0	0	13	3
M-99	32D05J245 529691	594611mE 5367078mN	1	0	1	0	1	0	0	1	2
M-100	32D05J245 529691	594608mE 5367099mN	2	0	1	0	1	0	0	1	2
M-101	32D05J225 529691	594606mE 5367130mN	1	0	2	0	1	0	0	1	1
M-102	32D05J225 529691	594600mE 5367147mN	4	2	1	5	2	0	0	0	11

Discussion of Results

Gold was the main focus of this soil survey. It was then a disappointment when initial assays using the EDTA Cyanide Leach failed to detect gold in any of the soil samples including in the test samples (M-33, M-34, M-48) taken beside gold-bearing outcrops. This prompted the analysis of the remaining pulps of the soil samples by the MMI technique resulting in gold being detected in 58% of the samples. Still, the amount of gold per sample is low but is widespread with peaks mostly correlating to Anomaly 1 and to a lesser extent Anomaly 2. A lower Response Ratio of "0.1" instead of "0.2" would heighten the peaks within the data set for samples in Anomaly 1 and Anomaly 2 and the test samples would be considered anomalous.

With the exception of gold, platinum and palladium, there was good correlation between the different assay methods for silver, copper, nickel and zinc.

The high levels of manganese in Anomaly 2 and Anomaly 3 correlate well with the anomalous manganese reported in OGS overburden hole 88-33 which encountered highly altered, limonitic bedrock at the bottom of the hole. The anomalous manganese could be indicative of a volcanogenic massive sulphide (VMS) target. Occurrences of VMS are unknown to occur in the area.

Conclusions and Recommendations

The soil survey has identified 3 anomalies potentially caused by mineralization in the bedrock. Additional soil sampling and ground geophysics is required to outline drill targets.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'R. J. Dillman', is written over a light gray rectangular background.

Robert J. Dillman P.Geo., B.Sc.
September 17, 2019

Robert J. Dillman P.Ge, B.Sc.
ARJADEE PROSPECTING
8901 Reily Drive, Mount Brydges, Ontario, Canada, N0L1W0
Phone/ fax (519) 264-9278

CERIFICATE of AUTHOR

I, **Robert J. Dillman, Professional Geologist**, do certify that:

1. I am the **President** and the holder of a **Certificate of Authorization** for:

**ARJADEE PROSPECTING
8901 Reily Drive
Mount Brydges, Ontario, Canada
N0L1W0**

2. I graduated in 1991 with a **Bachelor of Science Degree** in **Geology** from the **University of Western Ontario**.

3. I am an active member of:

**Association of Professional Geoscientists of Ontario, APGO
Prospectors and Developers Association of Canada, PDAC**

4. I have been a **licensed Prospector in Ontario** since 1984.

5. I have worked continuously as a **Professional Geologist** for 28 years.

6. I am **President and CEO** of **Brandy Brook Mines Limited**

7. Unless stated otherwise, I am **responsible** for the preparation of all sections of the Assessment Report titled:

**REPORT ON
ETHYLENEDIAMINETETRAACTIC (EDTA) CYANIDE LEACH and MOBILE METAL IONIZATION (MMI)
SOIL SURVEY IN THE VICINITY OF THE MAGUSI GOLD OCCURRENCE
TANNAHILL TOWNSHIP,
LARDER LAKE MINING DIVISION
NORTHERN ONTARIO**

dated, September 17, 2019

8. I am not aware of any material fact or material change with respect to the subject matter of the Assessment Report that is not contained in the Assessment Report and its omission to disclose makes the Assessment Report misleading.

Dated this 17th day of September, 2019



**Robert James Dillman
Arjadee Prospecting**

P.Ge



References

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- Dillman, R.J. 2015.** Report on Ground Electromagnetic Survey. Claim's: 4264181, 4255937 & 4266634, Tannahill Property. Tannahill & Holloway Township's, Ontario.
- Dillman, R.J. 2015.** Report on Ground Magnetometer Survey Claim's: 4264181, 4255937 & 4266634, Tannahill Property. Tannahill & Holloway Township's, Ontario.
- Dillman, R.J. 2015.** Report on Manual Trenching Claim: 4255937, Tannahill Property. Tannahill & Holloway Township's, Ontario.
- Dillman, R.J. 2017.** Report on the 2017 Mechanised Trenching and Rock Sampling Program On The Magusi Trench, Tannahill Property, Tannahill & Holloway Townships, Larder Lake Mining Division, Abitibi Greenstone Belt, Northern Ontario. For: Brandy Brook Mines Limited.

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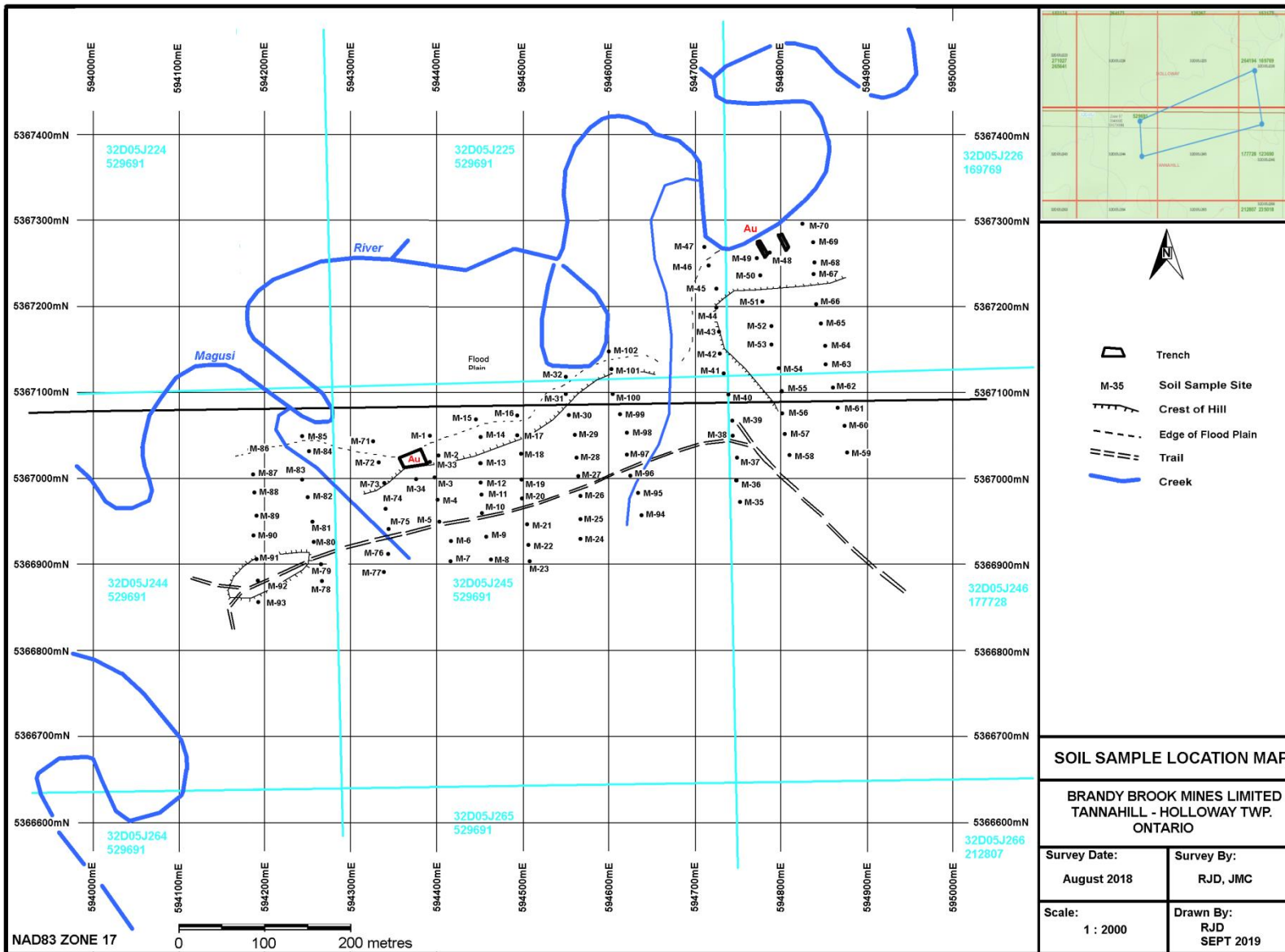
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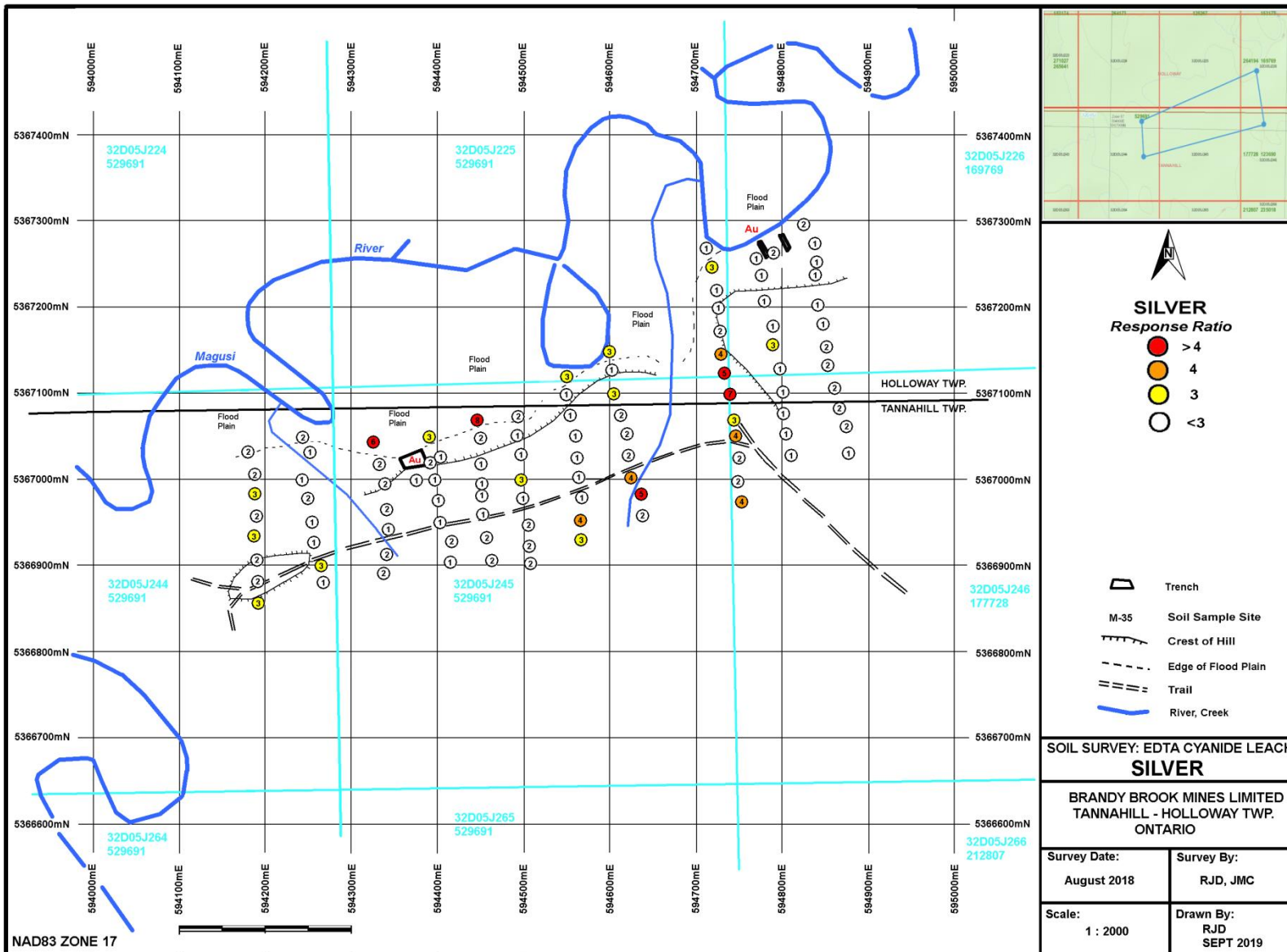
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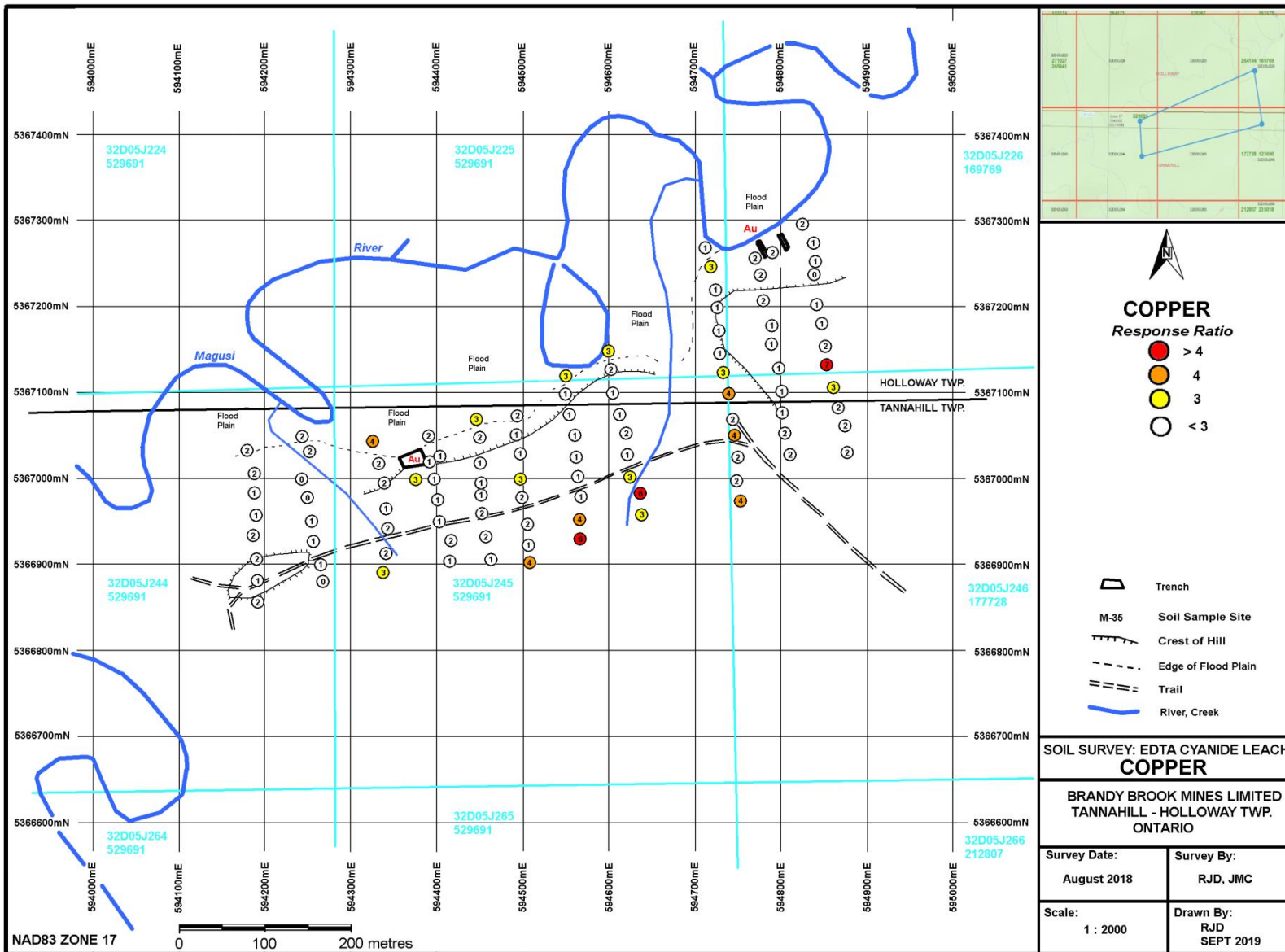
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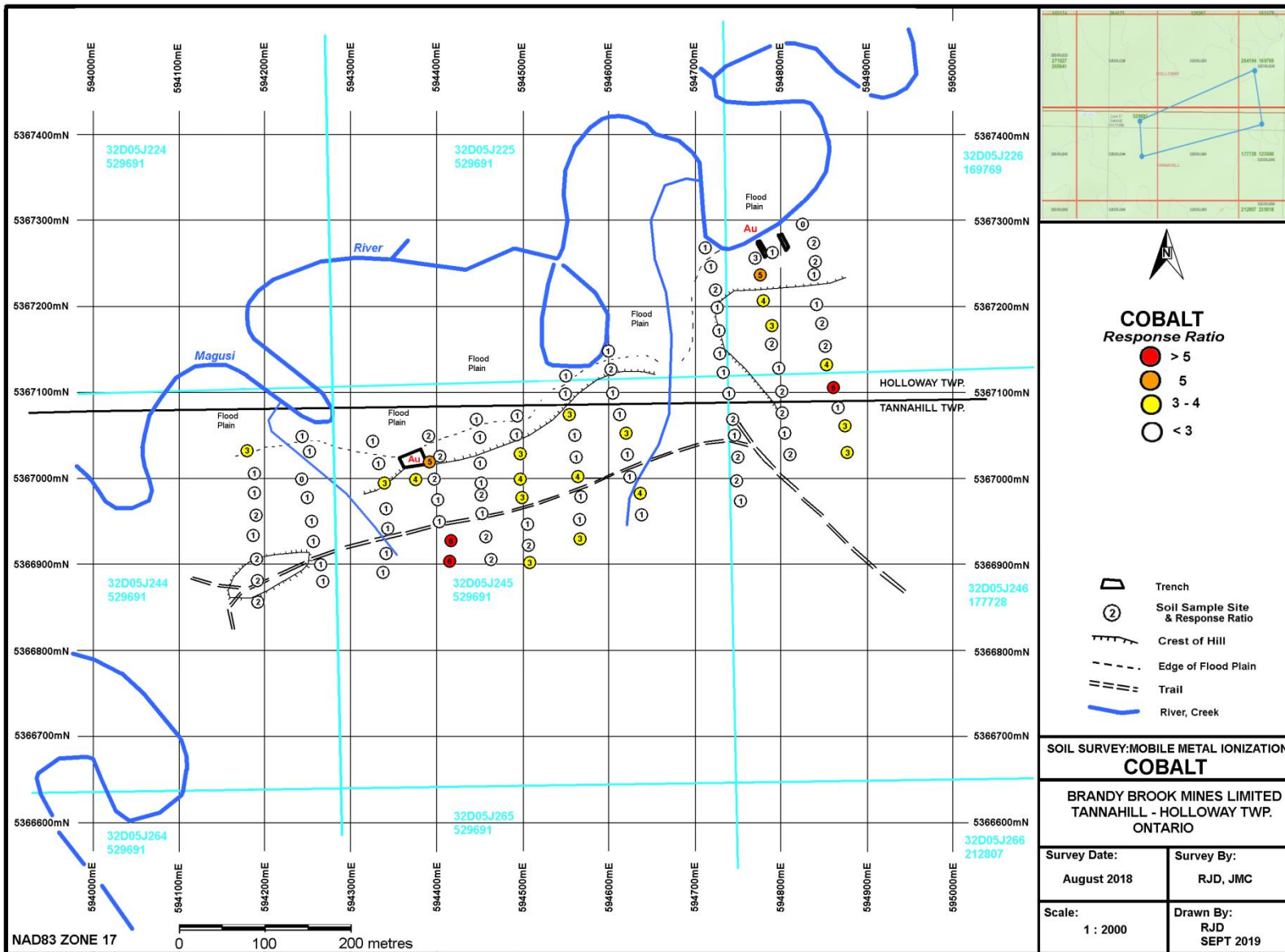
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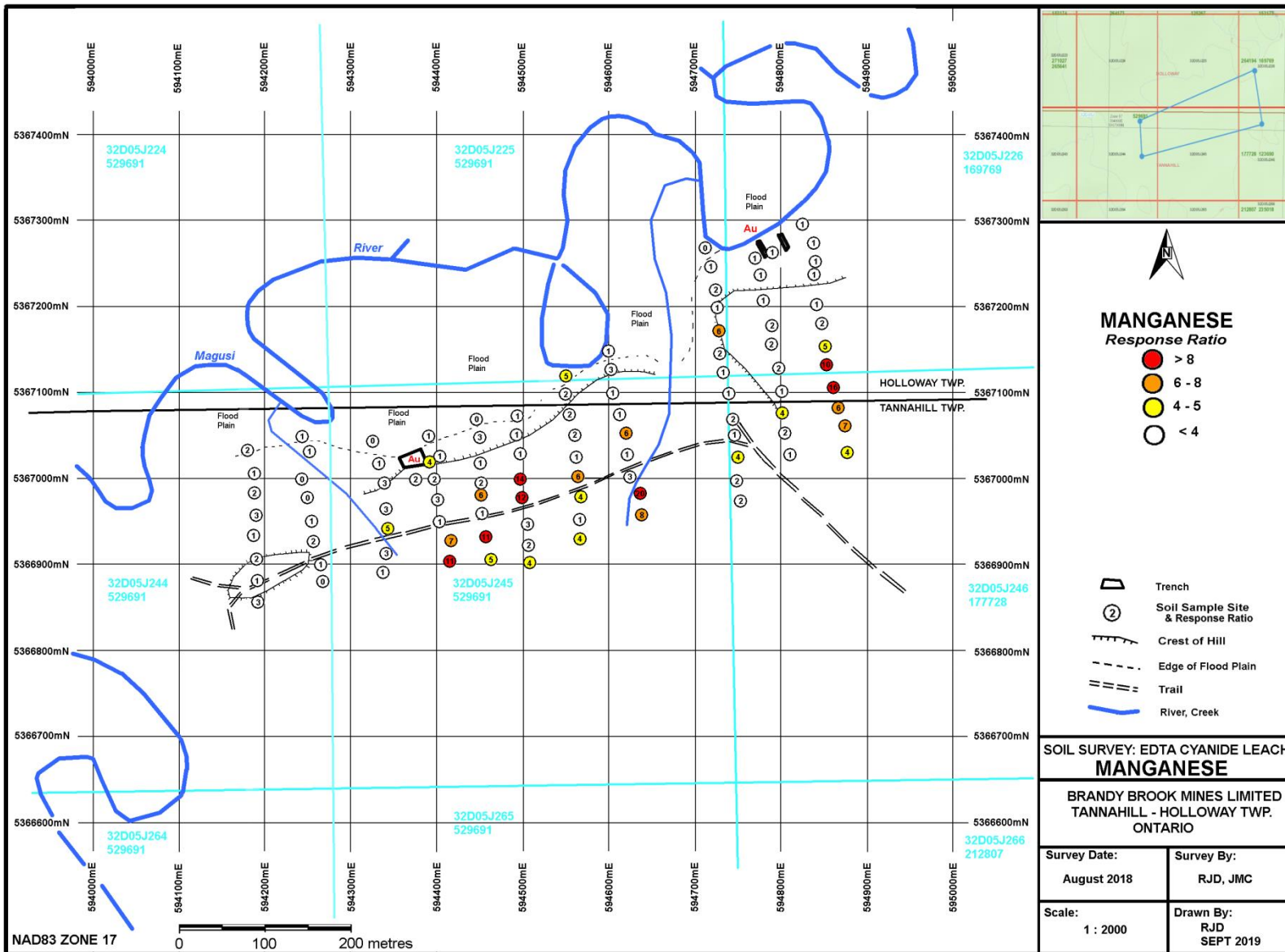
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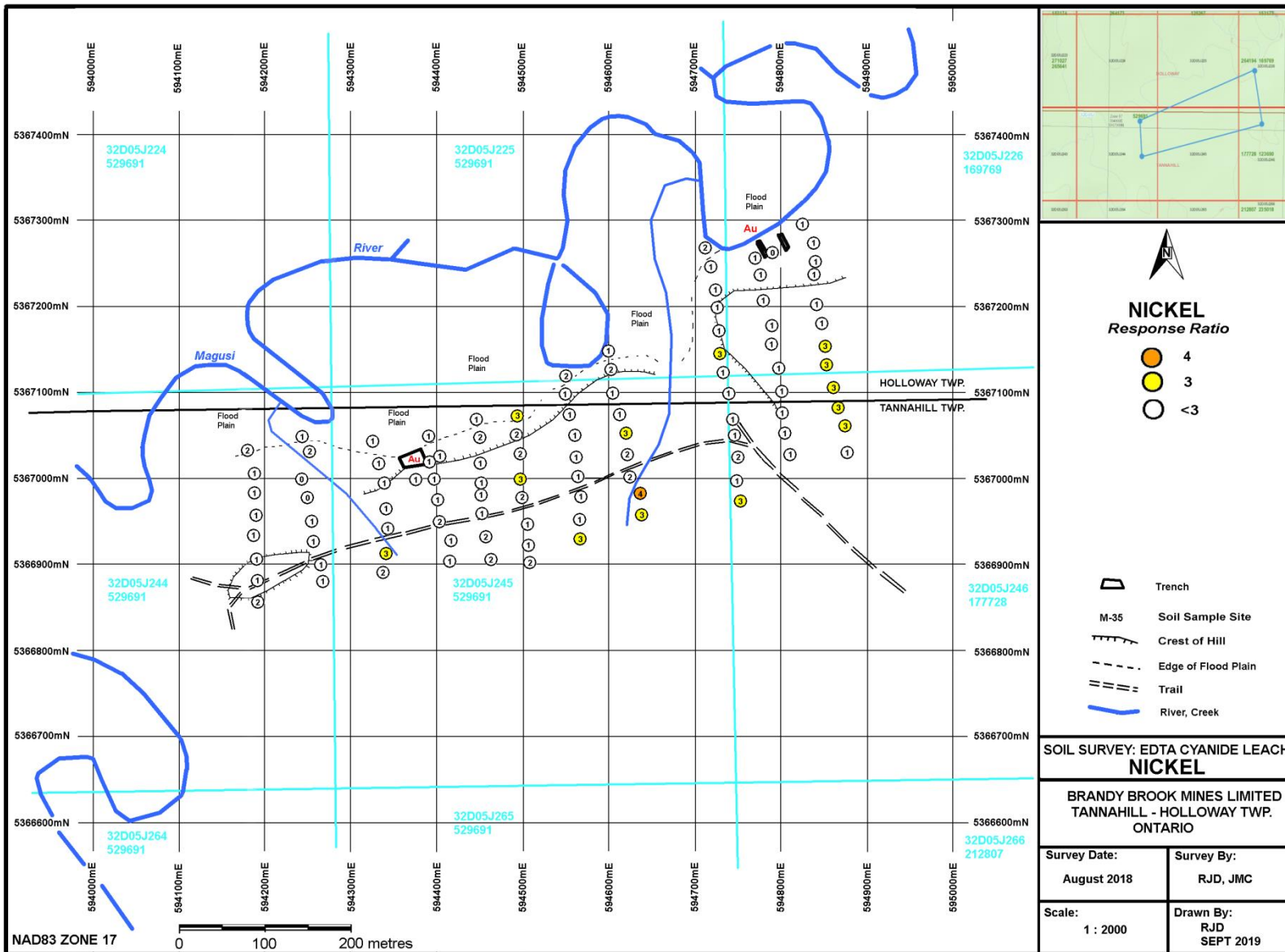


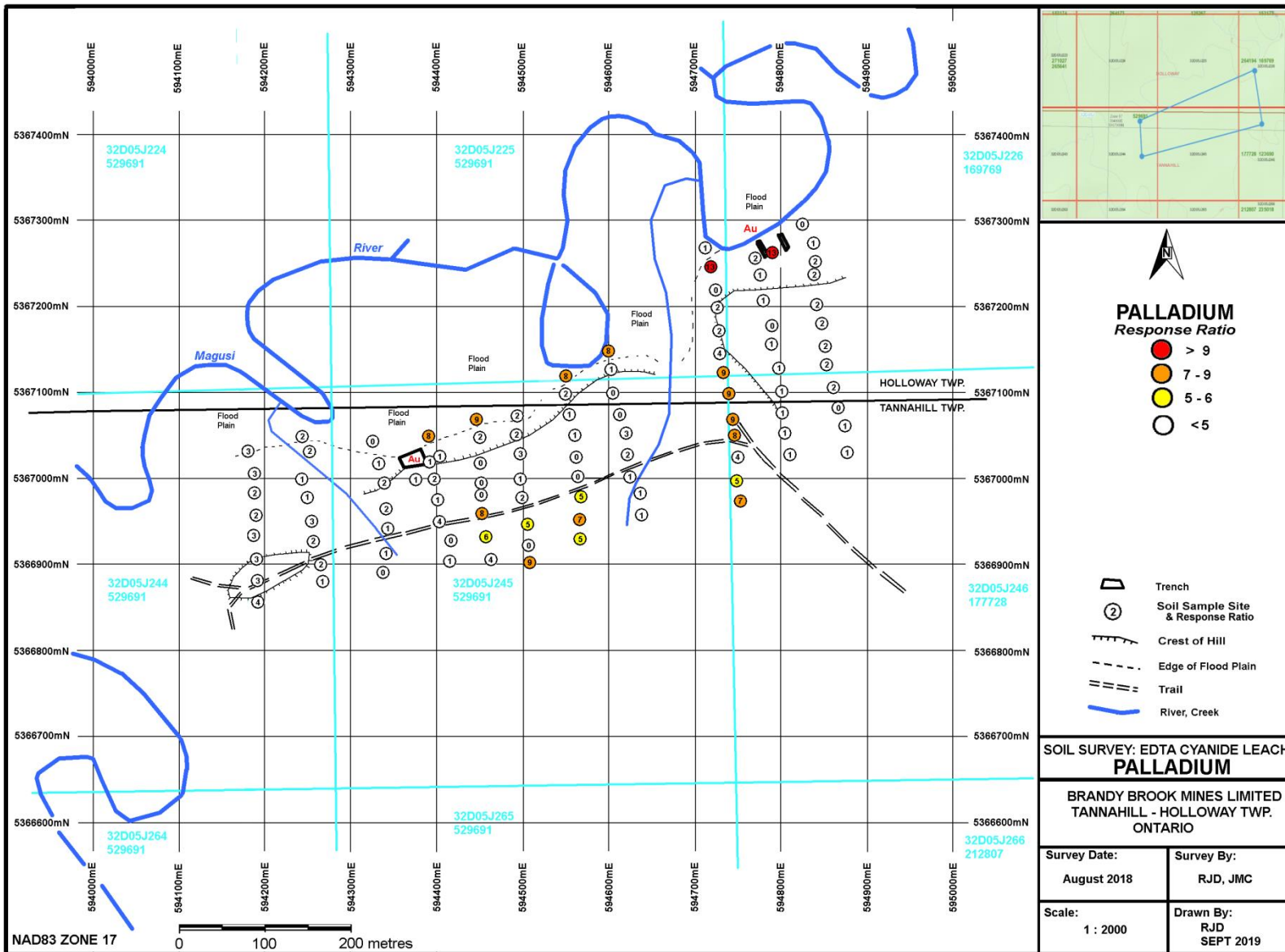


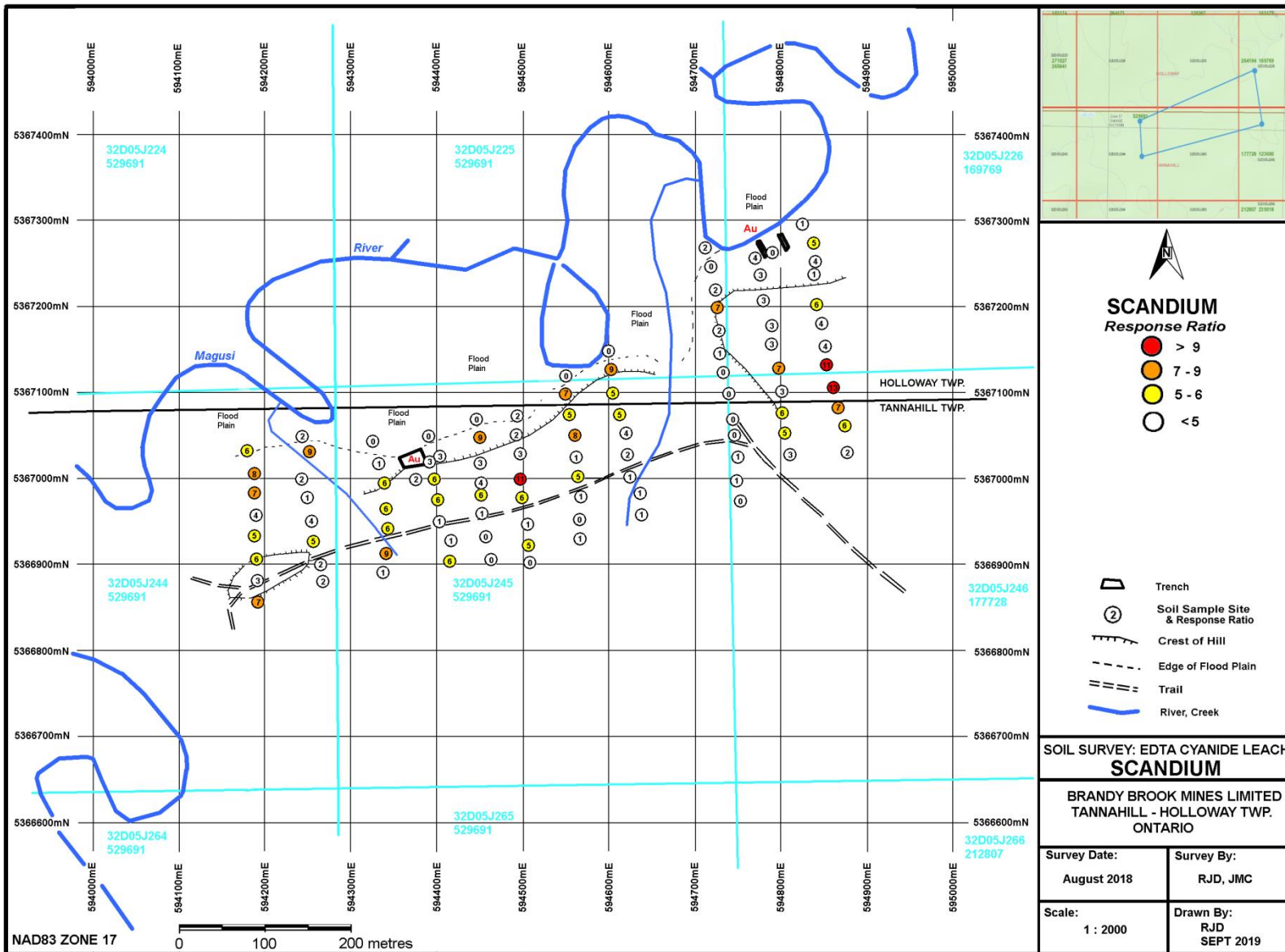


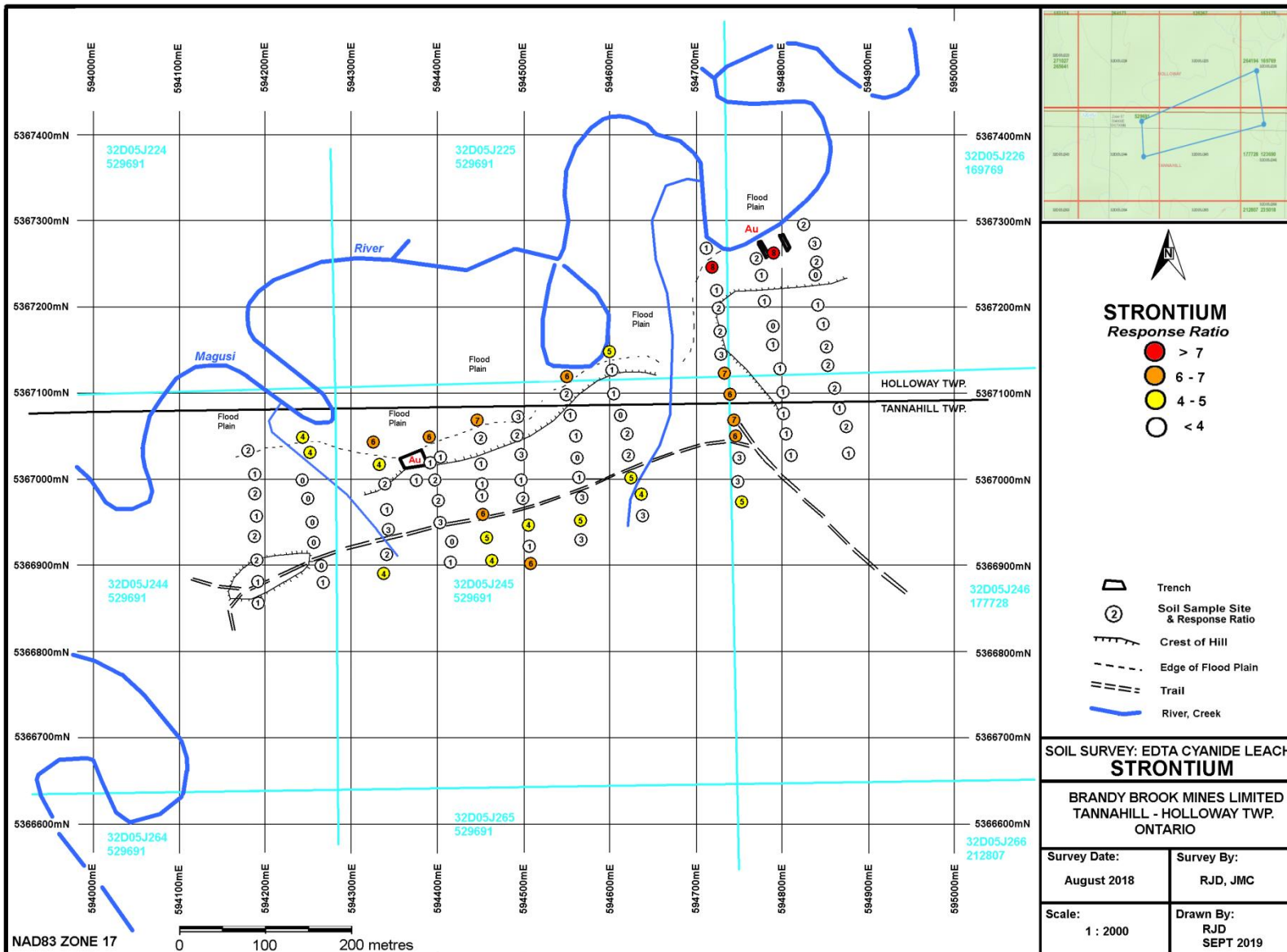


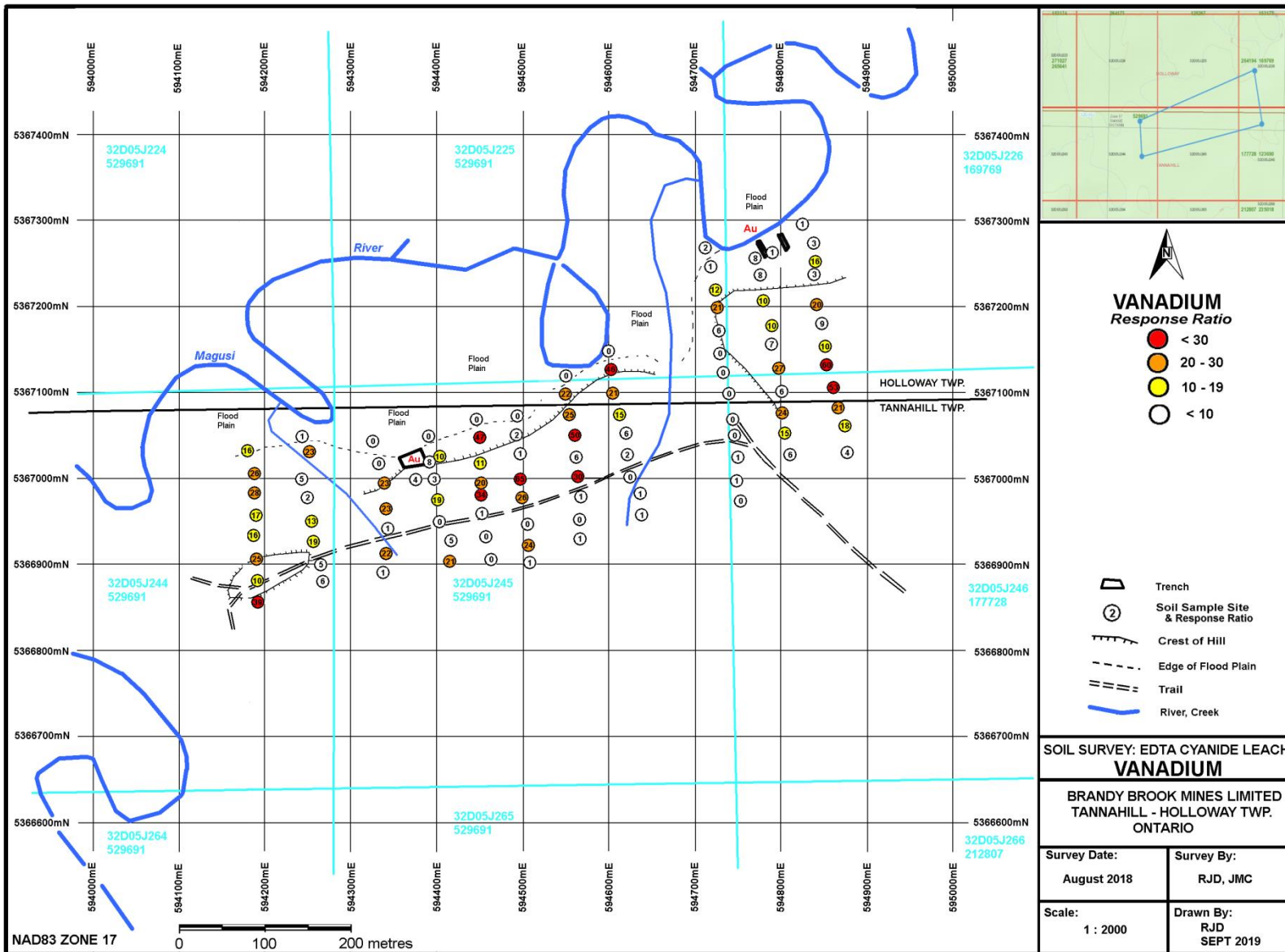


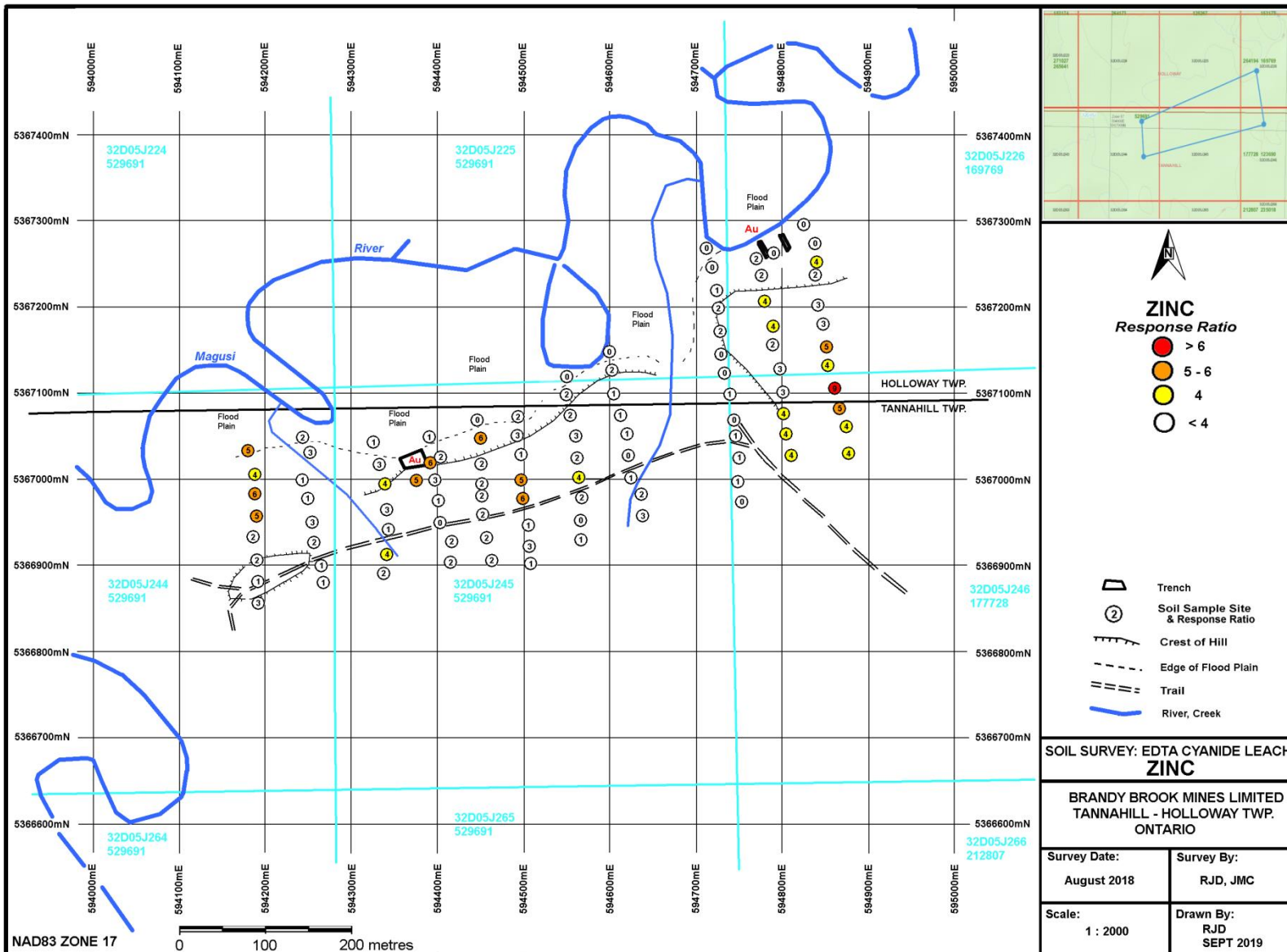


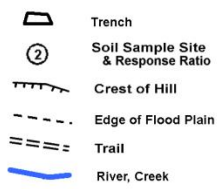
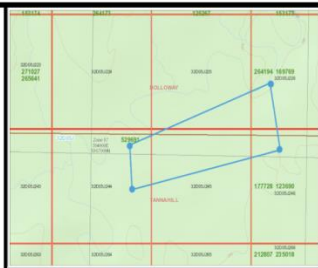
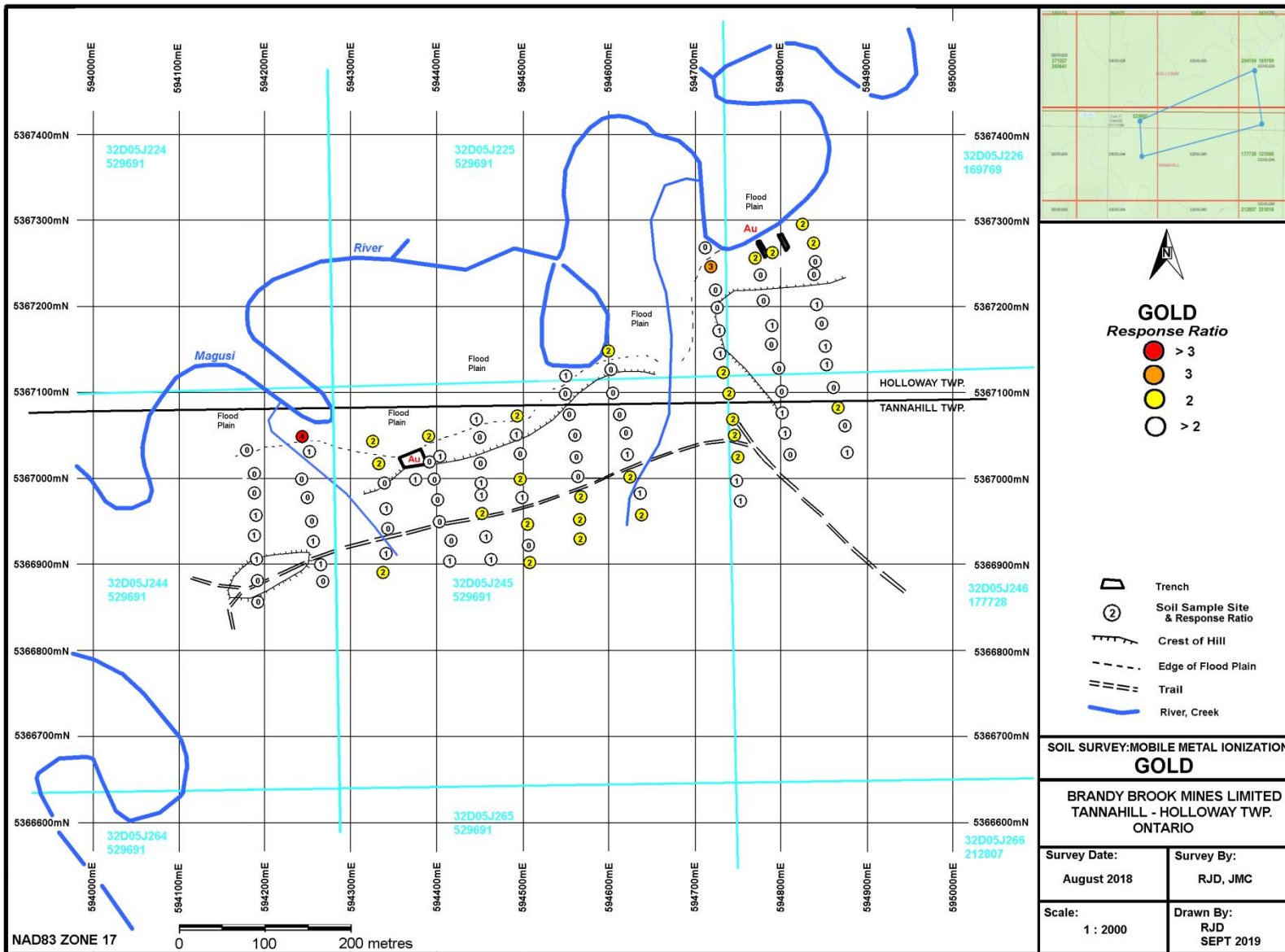












SOIL SURVEY: MOBILE METAL IONIZATION
GOLD

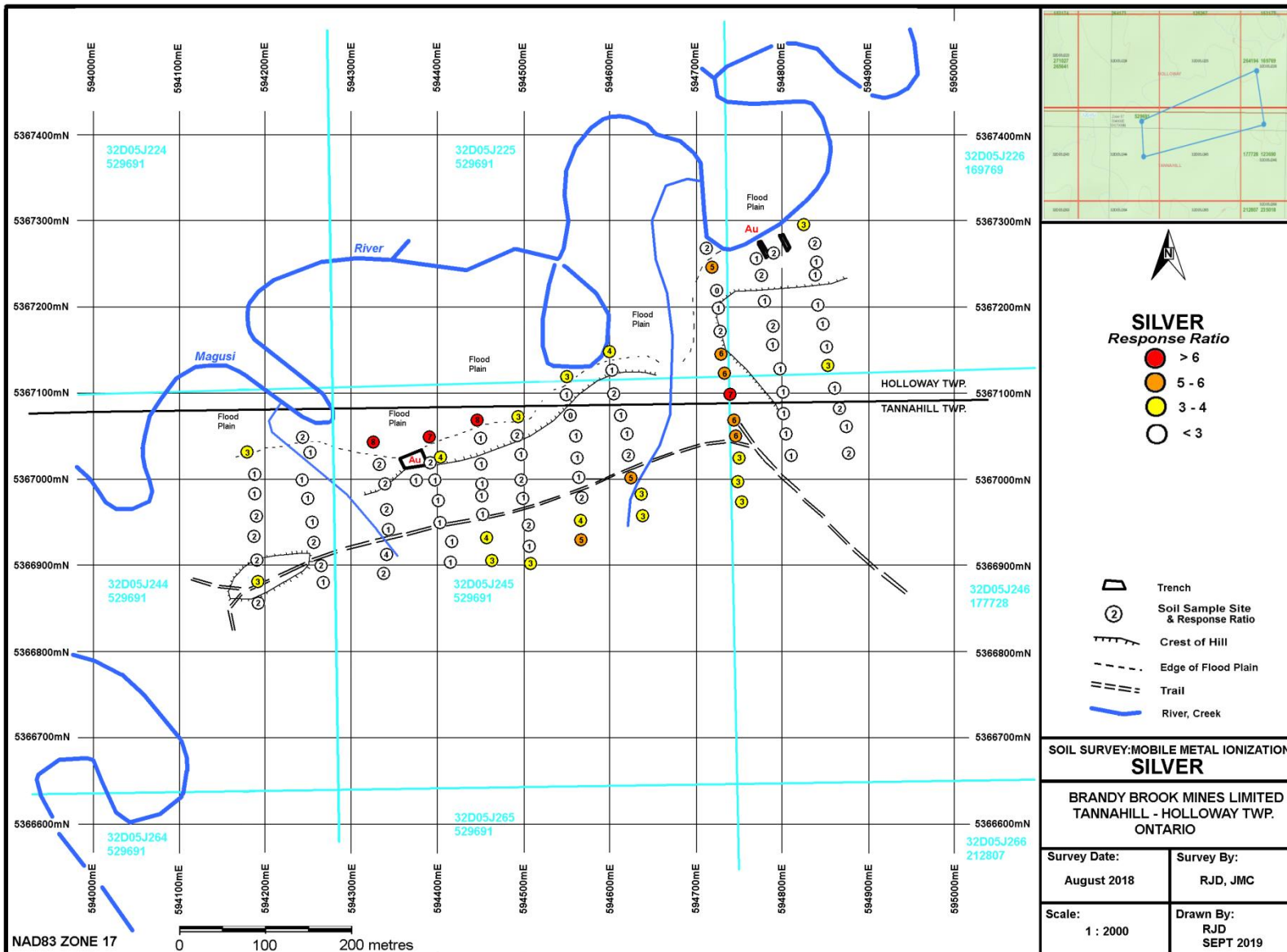
BRANDY BROOK MINES LIMITED
TANNAHILL - HOLLOWAY TWP.
ONTARIO

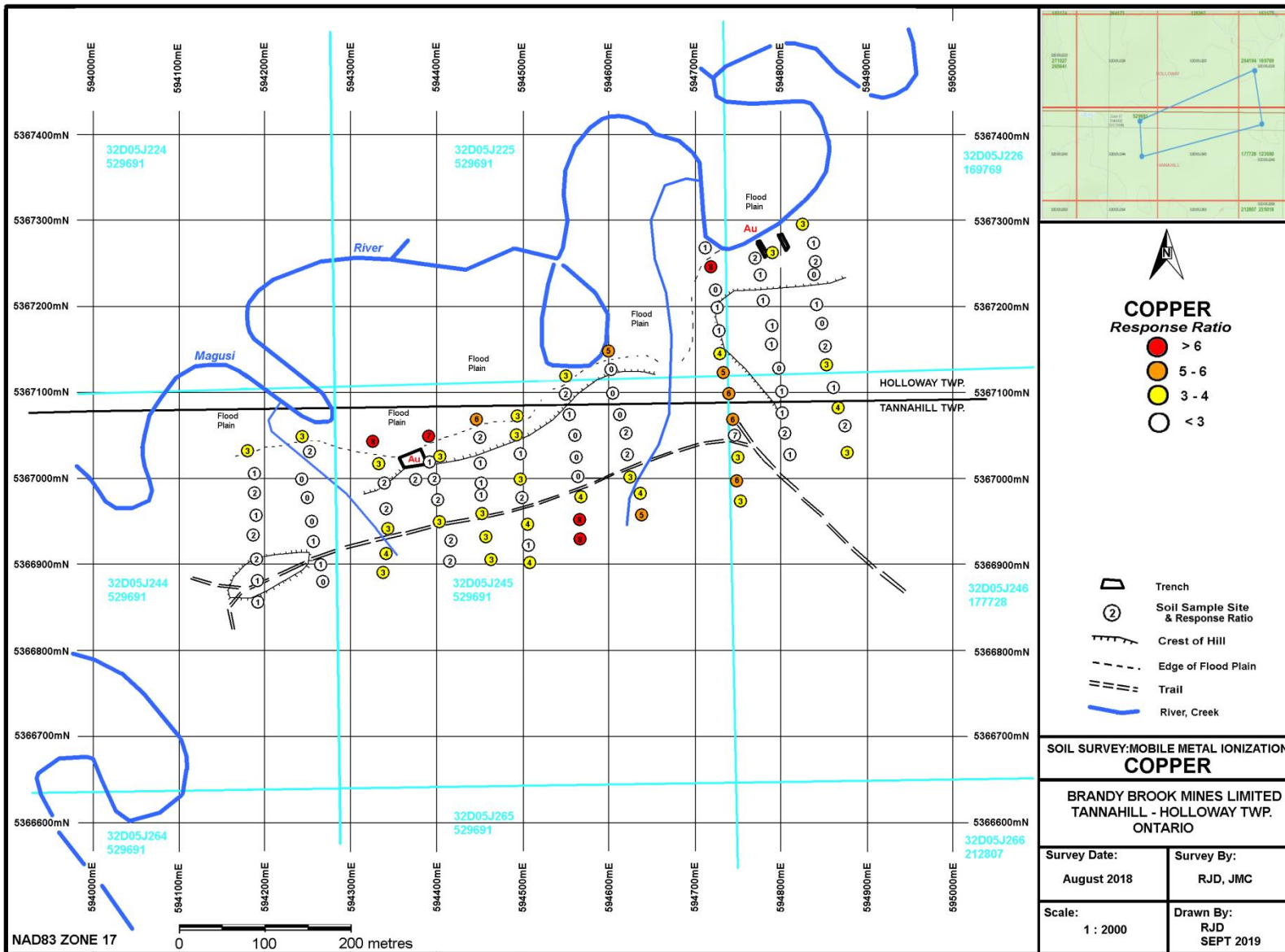
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August 2018

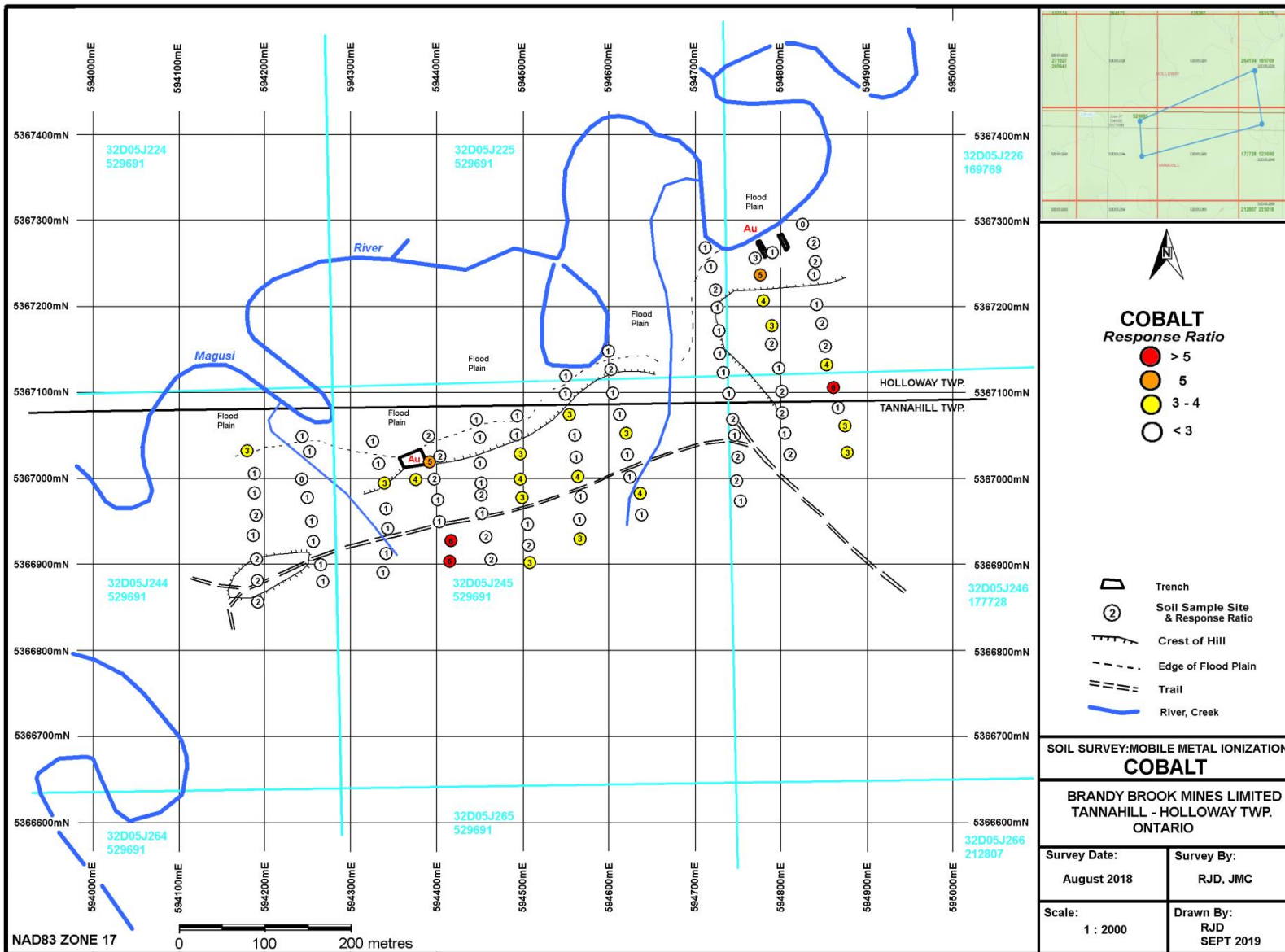
Survey By:
RJD, JMC

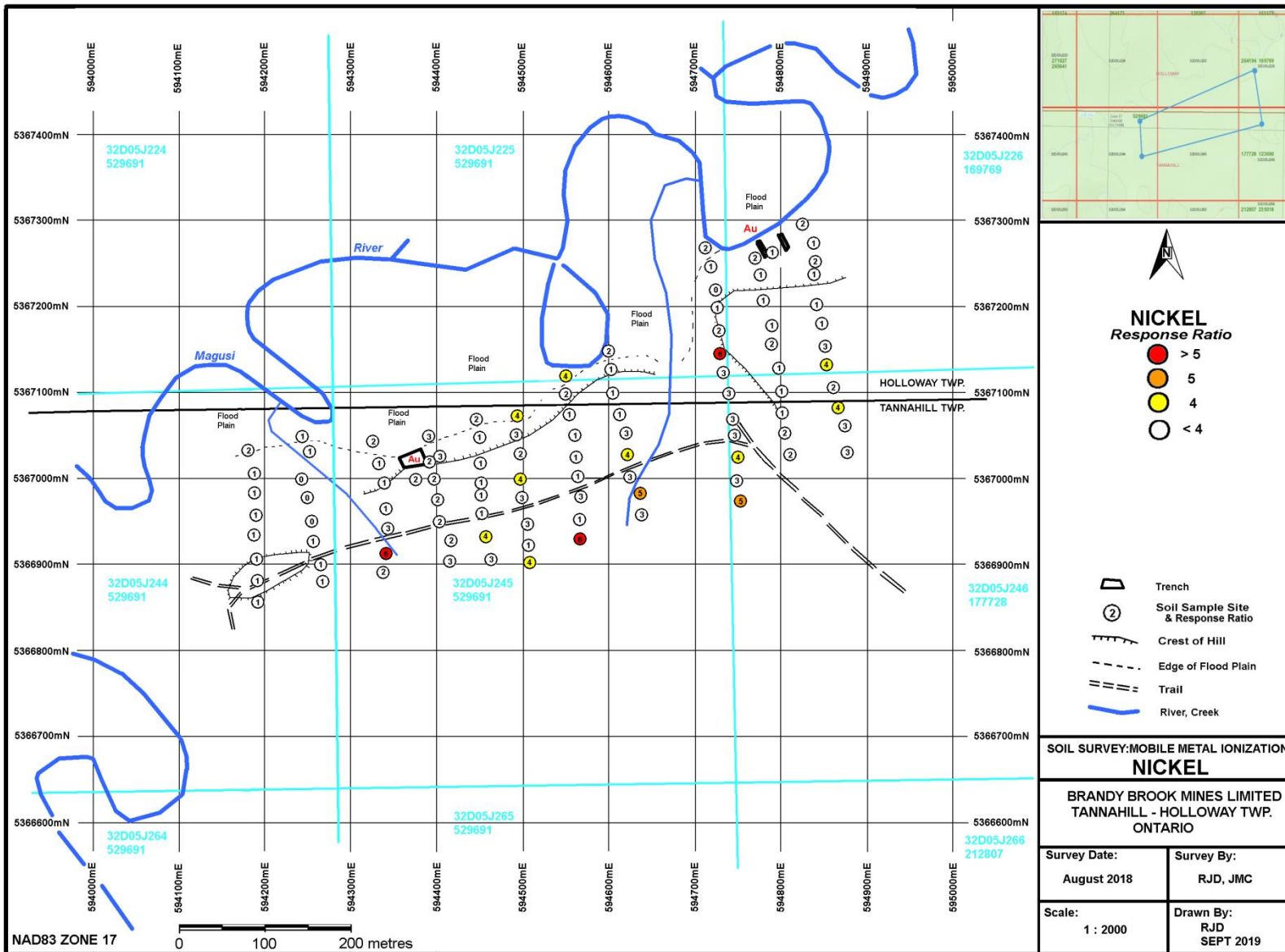
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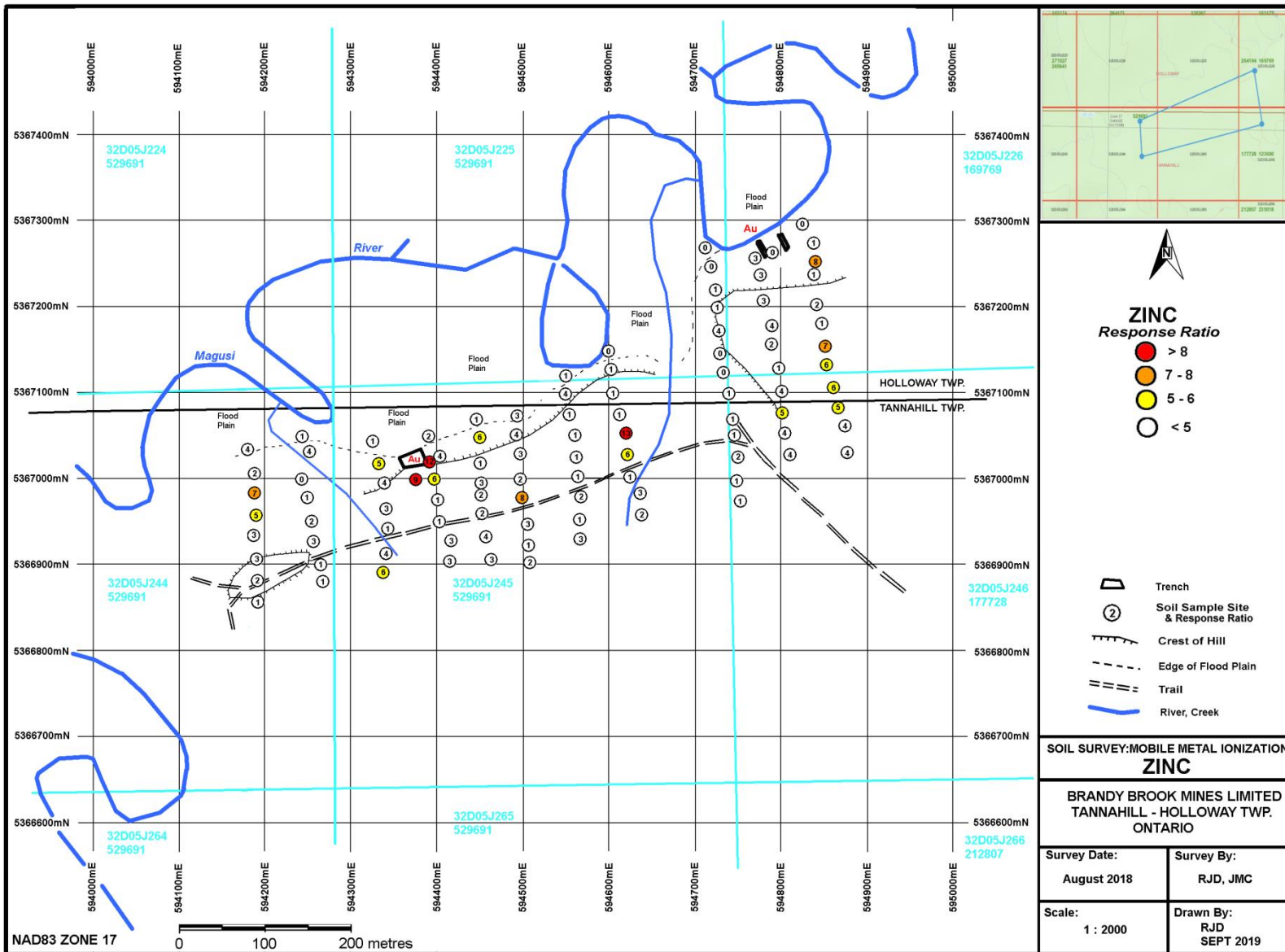
Drawn By:
RJD
SEPT 2019













CLIENT NAME: MISC AGAT CLIENT ON, ON

ATTENTION TO: Robert Dillman

PROJECT: Brandy Brook Mines

AGAT WORK ORDER: 18T399784

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Dec 03, 2018

PAGES (INCLUDING COVER): 31

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

*NOTES

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



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(200-) Sample Login Weight

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Dec 03, 2018

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
M-1 (9640958)		0.64
M-2 (9640959)		0.27
M-3 (9640960)		0.40
M-4 (9640961)		0.45
M-5 (9640962)		0.36
M-6 (9640963)		0.31
M-7 (9640964)		0.52
M-8 (9640965)		0.49
M-9 (9640966)		0.56
M-10 (9640967)		0.49
M-11 (9640968)		0.51
M-12 (9640969)		0.43
M-13 (9640970)		0.35
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M-15 (9640972)		0.45
M-16 (9640973)		0.39
M-17 (9640974)		0.52
M-18 (9640975)		0.54
M-19 (9640976)		0.55
M-20 (9640977)		0.43
M-21 (9640978)		0.56
M-22 (9640979)		0.61
M-23 (9640980)		0.49
M-24 (9640981)		0.44
M-25 (9640982)		0.46
M-26 (9640983)		0.55
M-27 (9640984)		0.65
M-28 (9640985)		0.52
M-29 (9640986)		0.57
M-30 (9640987)		0.51
M-31 (9640988)		0.55

Certified By:



Certificate of Analysis

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(200-) Sample Login Weight

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Dec 03, 2018

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
M-32 (9640989)		0.51
M-33 (9640990)		0.40
M-34 (9640991)		0.45
M-35 (9640992)		0.54
M-36 (9640993)		0.51
M-37 (9640994)		0.50
M-38 (9640995)		0.58
M-39 (9640996)		0.42
M-40 (9640997)		0.44
M-41 (9640998)		0.55
M-42 (9640999)		0.57
M-43 (9641000)		0.59
M-44 (9641001)		0.55
M-45 (9641002)		0.43
M-46 (9641003)		0.56
M-47 (9641004)		0.38
M-48 (9641005)		0.53
M-49 (9641006)		0.44
M-50 (9641007)		0.44
M-51 (9641008)		0.50
M-52 (9641009)		0.49
M-53 (9641010)		0.68
M-54 (9641011)		0.55
M-55 (9641012)		0.62
M-56 (9641013)		0.56
M-57 (9641014)		0.59
M-58 (9641015)		0.60
M-59 (9641016)		0.56
M-60 (9641017)		0.55
M-61 (9641018)		0.60
M-62 (9641019)		0.49

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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

ATTENTION TO: Robert Dillman

(200-) Sample Login Weight

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Dec 03, 2018

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
M-63 (9641020)		0.68
M-64 (9641021)		0.65
M-65 (9641022)		0.66
M-66 (9641023)		0.60
M-67 (9641024)		0.47
M-68 (9641025)		0.70
M-69 (9641026)		0.67
M-70 (9641027)		0.70
M-71 (9641028)		0.75
M-72 (9641029)		0.72
M-73 (9641030)		0.61
M-74 (9641031)		0.76
M-75 (9641032)		0.52
M-76 (9641033)		0.81
M-77 (9641034)		0.76
M-78 (9641035)		0.72
M-79 (9641036)		0.80
M-80 (9641037)		0.82
M-81 (9641038)		0.50
M-82 (9641039)		0.64
M-83 (9641040)		0.52
M-84 (9641041)		0.73
M-85 (9641042)		0.65
M-86 (9641043)		0.68
M-87 (9641044)		0.69
M-88 (9641045)		0.67
M-89 (9641046)		0.89
M-90 (9641047)		0.86
M-91 (9641048)		0.71
M-92 (9641049)		0.58
M-93 (9641050)		0.85

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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

ATTENTION TO: Robert Dillman

(200-) Sample Login Weight

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Dec 03, 2018

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
M-94 (9641051)		0.66
M-95 (9641052)		0.81
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M-97 (9641054)		0.86
M-98 (9641055)		0.62
M-99 (9641056)		0.80
M-100 (9641057)		0.61
M-101 (9641058)		0.88
M-102 (9641059)		0.74

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Dec 03, 2018

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppb 1	Al ppm 1	As ppb 10	Au ppb 0.1	Ba ppb 10	Bi ppb 1	Ca ppm 10	Cd ppb 1	Ce ppb 5	Co ppb 5	Cr ppb 30	Cs ppb 0.5	Cu ppb 10	Dy ppb 1
M-1 (9640958)		14	21	<10	<0.1	137	<1	464	4	28	6	<30	<0.5	384	19
M-2 (9640959)		3	263	<10	<0.1	230	<1	110	3	309	37	48	1.3	184	58
M-3 (9640960)		7	195	<10	<0.1	216	<1	189	6	346	37	47	0.7	291	67
M-4 (9640961)		5	396	12	<0.1	499	<1	142	7	385	39	126	6.9	191	56
M-5 (9640962)		7	33	<10	<0.1	130	<1	416	2	628	15	35	<0.5	470	174
M-6 (9640963)		10	295	<10	<0.1	160	<1	28	6	90	159	46	2.2	165	38
M-7 (9640964)		3	352	11	<0.1	480	<1	128	4	452	179	170	7.1	266	56
M-8 (9640965)		11	55	<10	<0.1	200	<1	399	11	337	32	45	<0.5	308	33
M-9 (9640966)		13	42	<10	<0.1	177	<1	427	18	308	101	46	<0.5	457	22
M-10 (9640967)		6	29	<10	<0.1	328	<1	472	3	87	10	<30	<0.5	452	44
M-11 (9640968)		4	561	16	<0.1	827	<1	38	3	224	100	246	13.5	163	30
M-12 (9640969)		3	457	11	<0.1	723	<1	63	5	241	47	157	7.7	128	26
M-13 (9640970)		5	392	<10	<0.1	293	<1	44	10	241	28	70	4.1	170	49
M-14 (9640971)		8	675	26	<0.1	949	1	135	12	291	73	326	18.8	407	51
M-15 (9640972)		45	17	<10	<0.1	213	<1	490	4	19	<5	<30	<0.5	677	12
M-16 (9640973)		13	114	<10	<0.1	118	<1	283	21	292	9	54	<0.5	343	88
M-17 (9640974)		7	154	<10	<0.1	169	<1	226	10	220	11	69	1.0	315	76
M-18 (9640975)		6	138	<10	<0.1	209	<1	271	7	558	20	61	<0.5	202	162
M-19 (9640976)		15	874	41	<0.1	1110	2	55	13	572	392	485	25.1	548	64
M-20 (9640977)		6	364	16	<0.1	591	1	187	25	506	111	246	9.8	397	62
M-21 (9640978)		12	35	<10	<0.1	212	<1	416	5	496	10	37	<0.5	450	38
M-22 (9640979)		8	550	14	<0.1	529	<1	42	7	156	87	185	10.8	180	26
M-23 (9640980)		13	16	<10	<0.1	263	<1	499	8	156	82	31	<0.5	916	21
M-24 (9640981)		18	44	<10	<0.1	247	<1	378	21	320	63	73	<0.5	1410	43
M-25 (9640982)		19	29	<10	<0.1	149	<1	430	14	57	18	32	<0.5	785	16
M-26 (9640983)		4	62	<10	<0.1	278	<1	371	6	737	26	63	<0.5	311	56
M-27 (9640984)		6	455	16	<0.1	426	1	22	9	134	163	189	9.1	237	35
M-28 (9640985)		4	356	<10	<0.1	171	<1	<10	8	34	21	64	2.5	145	8
M-29 (9640986)		7	680	24	<0.1	755	1	65	4	300	82	336	18.6	214	37
M-30 (9640987)		5	456	17	<0.1	551	<1	84	6	277	61	180	9.9	305	40
M-31 (9640988)		7	388	12	<0.1	559	<1	197	25	458	35	181	7.6	263	70
M-32 (9640989)		14	25	<10	<0.1	132	<1	461	12	115	43	48	<0.5	589	17

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Dec 03, 2018

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppb 1	Al ppm 1	As ppb 10	Au ppb 0.1	Ba ppb 10	Bi ppb 1	Ca ppm 10	Cd ppb 1	Ce ppb 5	Co ppb 5	Cr ppb 30	Cs ppb 0.5	Cu ppb 10	Dy ppb 1
M-33 (9640990)		10	276	<10	<0.1	336	<1	86	12	170	43	79	3.5	255	39
M-34 (9640991)		5	276	<10	<0.1	220	<1	59	32	232	37	47	1.4	598	51
M-35 (9640992)		22	35	<10	<0.1	129	<1	476	16	91	33	37	<0.5	814	26
M-36 (9640993)		11	87	<10	<0.1	169	<1	413	14	227	44	62	<0.5	449	35
M-37 (9640994)		11	101	<10	<0.1	154	<1	368	14	393	55	77	<0.5	496	58
M-38 (9640995)		21	34	<10	<0.1	238	<1	480	5	125	31	39	<0.5	790	23
M-39 (9640996)		16	23	<10	<0.1	155	<1	548	3	103	29	<30	<0.5	520	26
M-40 (9640997)		36	23	<10	<0.1	180	<1	478	4	92	15	33	<0.5	780	33
M-41 (9640998)		29	22	<10	<0.1	170	<1	504	4	40	21	<30	<0.5	654	21
M-42 (9640999)		22	63	<10	<0.1	138	<1	394	6	417	47	73	<0.5	417	54
M-43 (9641000)		9	186	<10	<0.1	196	<1	281	7	64	25	117	2.6	197	13
M-44 (9641001)		5	395	13	<0.1	530	<1	136	9	299	41	172	7.0	200	42
M-45 (9641002)		6	388	<10	<0.1	233	<1	21	8	54	51	95	3.8	199	11
M-46 (9641003)		17	12	<10	<0.1	210	<1	591	2	10	<5	<30	<0.5	751	14
M-47 (9641004)		5	264	<10	<0.1	144	<1	90	19	248	16	48	1.3	162	64
M-48 (9641005)		9	23	<10	<0.1	355	<1	459	4	30	11	<30	0.5	499	8
M-49 (9641006)		5	243	<10	<0.1	383	<1	213	8	302	52	115	3.2	389	54
M-50 (9641007)		7	399	<10	<0.1	278	<1	24	14	159	89	90	3.6	378	37
M-51 (9641008)		6	351	<10	<0.1	177	<1	49	16	137	58	83	3.6	399	34
M-52 (9641009)		7	394	<10	<0.1	221	1	18	18	103	91	106	3.7	301	26
M-53 (9641010)		17	312	<10	<0.1	265	<1	69	10	277	42	85	3.1	163	44
M-54 (9641011)		5	562	17	<0.1	651	<1	62	14	342	67	236	12.4	214	43
M-55 (9641012)		3	324	<10	<0.1	198	<1	28	16	194	46	72	3.0	265	60
M-56 (9641013)		7	498	14	<0.1	484	<1	39	18	276	83	217	10.7	268	42
M-57 (9641014)		5	384	<10	<0.1	356	<1	82	23	284	47	137	6.1	376	60
M-58 (9641015)		3	277	<10	<0.1	211	<1	58	30	200	39	69	2.8	346	72
M-59 (9641016)		3	209	<10	<0.1	138	<1	86	26	166	72	55	1.4	323	53
M-60 (9641017)		10	347	13	<0.1	427	<1	100	19	316	115	215	7.3	497	81
M-61 (9641018)		9	409	12	<0.1	497	<1	55	12	334	105	247	9.1	502	88
M-62 (9641019)		12	667	26	<0.1	969	2	84	18	315	381	505	24.0	577	43
M-63 (9641020)		10	564	35	<0.1	857	2	98	9	299	281	433	21.6	1570	24
M-64 (9641021)		8	189	<10	<0.1	382	<1	235	13	378	55	179	3.4	451	68

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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 CANADA L4Z 1N9
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Dec 03, 2018

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppb 1	Al ppm 1	As ppb 10	Au ppb 0.1	Ba ppb 10	Bi ppb 1	Ca ppm 10	Cd ppb 1	Ce ppb 5	Co ppb 5	Cr ppb 30	Cs ppb 0.5	Cu ppb 10	Dy ppb 1
M-65 (9641022)		4	329	<10	<0.1	379	<1	36	8	291	54	121	4.3	244	50
M-66 (9641023)		4	477	13	<0.1	534	<1	45	3	359	47	217	9.7	200	51
M-67 (9641024)		3	343	<10	<0.1	319	<1	16	9	88	32	59	1.8	107	27
M-68 (9641025)		5	359	12	<0.1	364	<1	131	8	216	36	152	6.4	238	31
M-69 (9641026)		3	171	<10	<0.1	488	<1	240	6	913	19	55	0.8	202	111
M-70 (9641027)		12	88	<10	<0.1	262	<1	373	8	113	8	77	0.6	383	31
M-71 (9641028)		33	14	<10	<0.1	207	<1	467	4	33	9	<30	<0.5	793	19
M-72 (9641029)		13	101	<10	<0.1	150	<1	422	8	148	25	75	<0.5	334	37
M-73 (9641030)		11	413	18	<0.1	372	<1	97	14	302	56	157	6.9	352	45
M-74 (9641031)		10	429	15	<0.1	401	1	85	9	213	57	206	8.6	220	33
M-75 (9641032)		3	105	<10	<0.1	163	<1	270	3	679	86	80	<0.5	358	149
M-76 (9641033)		11	451	11	<0.1	581	<1	109	10	464	59	262	11.2	434	127
M-77 (9641034)		12	36	<10	<0.1	364	<1	442	5	263	20	68	<0.5	611	40
M-78 (9641035)		4	304	<10	<0.1	242	<1	23	4	38	28	72	3.3	103	14
M-79 (9641036)		14	315	<10	<0.1	237	<1	25	8	151	23	73	2.6	150	41
M-80 (9641037)		7	448	10	<0.1	390	<1	23	8	180	51	179	8.7	188	31
M-81 (9641038)		6	413	11	<0.1	243	<1	15	13	54	43	115	4.7	183	21
M-82 (9641039)		9	290	<10	<0.1	53	<1	<10	3	20	57	34	0.9	75	5
M-83 (9641040)		5	373	<10	<0.1	162	<1	<10	4	50	22	74	2.4	80	9
M-84 (9641041)		6	426	12	<0.1	699	<1	178	8	473	54	267	10.5	517	90
M-85 (9641042)		12	111	<10	<0.1	237	<1	361	12	86	22	122	<0.5	357	35
M-86 (9641043)		10	334	14	<0.1	432	<1	136	29	233	82	128	5.0	366	82
M-87 (9641044)		12	398	21	<0.1	410	1	97	12	260	44	153	6.2	360	73
M-88 (9641045)		15	471	18	<0.1	579	<1	120	7	317	54	220	10.8	246	47
M-89 (9641046)		10	449	11	<0.1	393	<1	36	21	122	35	139	6.5	219	38
M-90 (9641047)		14	315	16	<0.1	296	<1	122	3	213	41	104	2.7	409	41
M-91 (9641048)		13	386	21	<0.1	357	1	109	6	243	74	167	5.7	367	48
M-92 (9641049)		11	408	<10	<0.1	211	<1	42	6	176	47	97	3.5	256	31
M-93 (9641050)		15	621	19	<0.1	517	1	26	13	234	87	284	14.0	354	47
M-94 (9641051)		11	105	<10	<0.1	164	<1	363	26	307	63	100	<0.5	561	39
M-95 (9641052)		28	80	<10	<0.1	165	<1	309	27	168	208	67	<0.5	1200	18
M-96 (9641053)		19	46	<10	<0.1	174	<1	536	9	99	29	48	<0.5	543	24

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018	DATE RECEIVED: Oct 18, 2018					DATE REPORTED: Dec 03, 2018					SAMPLE TYPE: Other				
Analyte:	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	
Unit:	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
Sample ID (AGAT ID)	RDL:	1	1	10	0.1	10	1	10	1	5	5	30	0.5	10	
M-97 (9641054)	12	169	<10	<0.1	157	<1	185	42	238	17	53	0.7	255	65	
M-98 (9641055)	10	209	<10	<0.1	290	<1	166	36	309	87	113	1.7	443	84	
M-99 (9641056)	8	396	<10	<0.1	289	<1	11	11	89	65	127	6.0	171	22	
M-100 (9641057)	15	484	14	<0.1	361	<1	15	9	209	42	160	8.0	189	57	
M-101 (9641058)	6	652	31	<0.1	562	1	55	10	322	103	329	17.1	359	53	
M-102 (9641059)	16	20	<10	<0.1	93	<1	541	7	28	10	40	<0.5	692	12	

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Dec 03, 2018

SAMPLE TYPE: Other

Analyte:	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li	Mg	Mn	Mo	Nb
Unit:	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb
RDL:	0.5	0.5	1	1	1	1	0.5	0.1	1	5	1	10	5	0.5
M-1 (9640958)	11.3	3.8	5	<1	22	<1	<0.5	11.7	28	<5	131	393	<5	<0.5
M-2 (9640959)	31.9	11.4	107	10	59	<1	<0.5	11.9	134	15	23	535	<5	<0.5
M-3 (9640960)	38.6	14.7	81	7	74	<1	<0.5	9.5	167	9	37	1040	<5	<0.5
M-4 (9640961)	29.7	12.5	176	27	63	<1	<0.5	34.8	186	79	51	1590	<5	3.7
M-5 (9640962)	112	37.1	6	7	202	9	<0.5	2.3	331	11	73	766	<5	<0.5
M-6 (9640963)	24.2	3.8	185	10	20	<1	<0.5	13.2	35	20	12	4610	<5	<0.5
M-7 (9640964)	34.1	10.7	235	31	55	<1	<0.5	41.4	149	93	50	6950	<5	3.6
M-8 (9640965)	18.8	7.4	15	3	40	<1	<0.5	14.9	77	<5	95	3330	<5	<0.5
M-9 (9640966)	13.2	4.5	16	3	24	<1	<0.5	9.6	41	<5	92	7290	<5	<0.5
M-10 (9640967)	28.4	8.3	7	2	49	4	<0.5	8.0	80	9	103	540	<5	<0.5
M-11 (9640968)	15.4	6.2	445	50	30	<1	<0.5	59.5	88	184	58	3700	<5	13.3
M-12 (9640969)	12.7	6.5	237	31	29	<1	<0.5	38.6	98	100	38	1480	<5	4.8
M-13 (9640970)	24.8	10.0	119	20	49	<1	<0.5	28.5	74	52	22	825	<5	<0.5
M-14 (9640971)	28.8	9.8	421	69	50	<1	<0.5	97.1	140	276	98	2200	<5	17.6
M-15 (9640972)	7.1	2.7	3	<1	15	2	<0.5	14.0	17	64	118	85	<5	<0.5
M-16 (9640973)	57.9	14.0	70	4	79	<1	<0.5	15.7	147	<5	69	380	<5	<0.5
M-17 (9640974)	51.4	11.4	96	6	61	<1	<0.5	18.8	93	12	50	334	<5	<0.5
M-18 (9640975)	94.7	35.3	53	8	192	<1	<0.5	10.6	445	7	44	891	<5	<0.5
M-19 (9640976)	40.8	11.2	641	95	57	1	<0.5	93.2	223	339	106	9280	<5	30.5
M-20 (9640977)	39.1	12.1	316	41	59	<1	<0.5	49.1	175	144	76	7960	<5	6.6
M-21 (9640978)	22.3	8.3	10	4	46	2	<0.5	13.2	95	<5	106	1670	<5	<0.5
M-22 (9640979)	14.4	5.4	290	40	26	<1	<0.5	50.0	58	140	45	1570	<5	6.3
M-23 (9640980)	13.6	4.2	6	1	24	<1	<0.5	15.3	40	8	124	2750	<5	<0.5
M-24 (9640981)	28.2	9.3	48	4	51	<1	<0.5	11.1	141	8	108	2530	<5	<0.5
M-25 (9640982)	10.1	3.3	10	<1	19	<1	<0.5	15.7	21	<5	99	752	<5	<0.5
M-26 (9640983)	33.7	12.1	19	6	67	<1	<0.5	9.3	146	5	73	2360	<5	<0.5
M-27 (9640984)	19.8	4.3	305	42	23	<1	<0.5	36.0	63	105	32	3800	<5	9.4
M-28 (9640985)	6.4	1.0	148	14	4	<1	<0.5	15.8	15	29	9	393	<5	<0.5
M-29 (9640986)	18.3	9.1	425	75	42	<1	<0.5	71.0	132	254	75	1110	<5	19.4
M-30 (9640987)	22.4	8.6	246	40	44	<1	<0.5	50.3	124	143	48	1250	<5	7.0
M-31 (9640988)	35.7	16.5	187	34	82	<1	<0.5	42.9	247	120	53	962	<5	3.4
M-32 (9640989)	9.8	3.4	9	1	19	<1	<0.5	11.3	19	<5	92	3500	<5	<0.5

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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MISSISSAUGA, ONTARIO
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018	DATE RECEIVED: Oct 18, 2018					DATE REPORTED: Dec 03, 2018					SAMPLE TYPE: Other				
Analyte:	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li	Mg	Mn	Mo	Nb	
Unit:	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	
RDL:	0.5	0.5	1	1	1	1	0.5	0.1	1	5	1	10	5	0.5	
M-33 (9640990)	21.9	6.5	112	16	34	<1	<0.5	32.5	57	44	26	2510	<5	<0.5	
M-34 (9640991)	24.8	10.2	82	13	53	<1	<0.5	21.2	89	15	18	1160	<5	<0.5	
M-35 (9640992)	16.0	5.3	10	1	30	<1	<0.5	7.7	43	<5	114	1160	<5	<0.5	
M-36 (9640993)	21.7	7.5	22	3	41	<1	<0.5	22.2	94	5	88	1530	<5	<0.5	
M-37 (9640994)	39.2	10.8	43	5	59	<1	<0.5	12.1	140	6	72	2490	<5	<0.5	
M-38 (9640995)	14.1	4.9	12	2	27	<1	<0.5	15.5	41	11	115	916	<5	<0.5	
M-39 (9640996)	16.9	5.5	5	1	32	1	<0.5	13.0	44	6	124	1060	<5	<0.5	
M-40 (9640997)	19.2	7.3	6	1	41	2	<0.5	18.5	57	7	111	652	<5	<0.5	
M-41 (9640998)	13.2	4.3	4	<1	25	4	<0.5	14.3	27	17	114	990	<5	<0.5	
M-42 (9640999)	36.1	11.6	20	5	65	<1	<0.5	16.2	159	9	81	3850	<5	<0.5	
M-43 (9641000)	7.7	2.4	101	13	12	<1	<0.5	84.5	30	41	41	554	<5	<0.5	
M-44 (9641001)	24.4	10.0	183	32	49	<1	<0.5	49.5	169	122	49	1390	<5	3.9	
M-45 (9641002)	7.7	1.4	170	21	7	<1	<0.5	28.4	22	57	17	367	<5	<0.5	
M-46 (9641003)	8.5	2.7	2	<1	16	1	<0.5	11.2	16	47	149	104	<5	<0.5	
M-47 (9641004)	34.8	11.1	97	10	59	<1	<0.5	6.6	88	16	24	362	<5	<0.5	
M-48 (9641005)	3.4	2.7	5	<1	13	<1	<0.5	21.0	23	<5	108	182	<5	<0.5	
M-49 (9641006)	28.4	13.3	115	18	67	<1	<0.5	21.1	189	48	62	925	<5	<0.5	
M-50 (9641007)	19.6	6.6	115	20	33	<1	<0.5	23.5	45	46	18	867	<5	<0.5	
M-51 (9641008)	17.8	5.9	126	21	29	<1	<0.5	29.1	46	52	19	815	<5	<0.5	
M-52 (9641009)	14.0	4.5	142	24	22	<1	<0.5	21.0	37	51	14	1450	<5	<0.5	
M-53 (9641010)	21.7	9.4	103	17	48	<1	<0.5	19.4	97	41	18	1310	<5	<0.5	
M-54 (9641011)	20.6	10.6	246	50	51	<1	<0.5	59.2	166	186	48	1020	<5	10.5	
M-55 (9641012)	30.7	9.4	120	16	51	<1	<0.5	18.5	61	42	16	770	<5	<0.5	
M-56 (9641013)	21.3	9.2	246	43	46	<1	<0.5	55.4	97	150	41	2530	<5	5.4	
M-57 (9641014)	31.1	11.3	162	30	58	<1	<0.5	41.8	103	90	34	1310	<5	<0.5	
M-58 (9641015)	42.0	10.9	133	15	60	<1	<0.5	27.5	63	47	23	852	<5	<0.5	
M-59 (9641016)	30.9	7.8	172	10	43	<1	<0.5	17.7	53	22	30	2540	<5	<0.5	
M-60 (9641017)	52.9	10.1	356	32	55	<1	<0.5	38.9	117	121	52	4620	<5	<0.5	
M-61 (9641018)	49.7	11.5	404	42	62	<1	<0.5	36.8	125	130	40	3720	<5	1.1	
M-62 (9641019)	31.1	7.2	583	99	36	<1	<0.5	94.6	157	398	102	10400	<5	20.9	
M-63 (9641020)	17.8	5.2	648	89	24	<1	<0.5	93.2	121	346	88	6980	10	23.0	
M-64 (9641021)	45.3	13.6	154	17	71	<1	<0.5	29.5	198	59	66	3040	<5	<0.5	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Dec 03, 2018

SAMPLE TYPE: Other

Analyte:	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li	Mg	Mn	Mo	Nb
Unit:	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb
RDL:	0.5	0.5	1	1	1	1	0.5	0.1	1	5	1	10	5	0.5
M-65 (9641022)	25.4	10.4	207	23	52	<1	<0.5	24.2	101	64	19	1220	<5	<0.5
M-66 (9641023)	24.4	13.6	276	43	63	<1	<0.5	33.6	152	128	33	809	<5	5.2
M-67 (9641024)	13.8	4.3	115	10	22	<1	<0.5	11.2	30	20	6	659	<5	<0.5
M-68 (9641025)	15.6	6.9	160	32	34	<1	<0.5	33.6	87	92	32	649	<5	2.0
M-69 (9641026)	56.6	34.1	29	16	169	<1	<0.5	9.8	809	10	46	510	<5	<0.5
M-70 (9641027)	17.4	7.5	25	3	40	<1	<0.5	6.0	103	<5	78	452	<5	<0.5
M-71 (9641028)	9.3	5.1	2	<1	28	2	<0.5	13.1	36	28	111	184	<5	<0.5
M-72 (9641029)	24.7	7.1	24	3	37	<1	<0.5	15.0	77	<5	51	820	<5	<0.5
M-73 (9641030)	23.5	10.2	188	33	52	<1	<0.5	41.9	122	108	38	1700	<5	4.8
M-74 (9641031)	17.0	7.9	227	42	37	<1	<0.5	39.7	86	122	37	1850	<5	8.6
M-75 (9641032)	94.6	32.2	66	10	174	2	<0.5	7.4	393	6	49	3220	<5	<0.5
M-76 (9641033)	66.0	23.3	321	48	126	<1	<0.5	54.4	242	200	61	1600	<5	3.8
M-77 (9641034)	24.7	8.7	13	3	50	2	<0.5	11.5	104	15	108	707	<5	<0.5
M-78 (9641035)	16.7	0.9	175	16	5	<1	<0.5	28.9	19	45	13	167	<5	<0.5
M-79 (9641036)	18.7	7.7	130	16	38	<1	<0.5	27.6	50	27	10	472	<5	<0.5
M-80 (9641037)	13.9	7.1	211	42	34	<1	<0.5	42.1	63	110	26	1180	<5	5.2
M-81 (9641038)	14.9	2.1	174	25	10	<1	<0.5	22.3	22	71	17	556	<5	<0.5
M-82 (9641039)	8.4	<0.5	156	8	2	<1	<0.5	6.7	9	7	2	86	<5	<0.5
M-83 (9641040)	9.2	1.1	150	15	5	<1	<0.5	11.6	22	29	6	118	<5	<0.5
M-84 (9641041)	49.5	17.7	234	49	95	<1	<0.5	55.1	314	185	73	640	<5	6.8
M-85 (9641042)	21.9	6.9	78	3	38	<1	<0.5	6.6	95	<5	73	639	<5	<0.5
M-86 (9641043)	49.3	12.2	193	23	69	<1	<0.5	38.1	108	83	38	1410	<5	<0.5
M-87 (9641044)	38.9	11.8	204	32	63	<1	<0.5	47.1	103	95	33	745	<5	6.3
M-88 (9641045)	23.5	10.6	246	44	52	<1	<0.5	46.6	131	164	54	1330	<5	8.1
M-89 (9641046)	18.6	6.6	183	32	33	<1	<0.5	33.0	43	92	24	1690	<5	1.8
M-90 (9641047)	21.4	7.8	151	19	41	<1	<0.5	34.5	88	39	29	706	<5	<0.5
M-91 (9641048)	24.9	9.3	213	32	48	<1	<0.5	32.0	96	78	36	1320	<5	8.1
M-92 (9641049)	13.6	7.0	140	23	33	<1	<0.5	30.1	57	49	16	574	<5	<0.5
M-93 (9641050)	22.2	10.2	311	68	48	<1	<0.5	61.0	80	210	49	1760	<5	17.3
M-94 (9641051)	27.7	7.7	31	4	41	<1	<0.5	14.9	102	9	74	5090	<5	<0.5
M-95 (9641052)	15.4	3.9	93	3	20	<1	<0.5	16.1	67	9	66	12900	<5	<0.5
M-96 (9641053)	14.9	5.2	10	2	30	<1	<0.5	18.5	59	6	111	2000	<5	<0.5

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Dec 03, 2018

SAMPLE TYPE: Other

Analyte:	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li	Mg	Mn	Mo	Nb
Unit:	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb
RDL:	0.5	0.5	1	1	1	1	0.5	0.1	1	5	1	10	5	0.5
M-97 (9641054)	37.3	11.1	104	7	62	<1	<0.5	22.5	104	12	42	683	<5	<0.5
M-98 (9641055)	57.4	11.4	139	11	63	<1	<0.5	25.0	118	33	45	4040	<5	<0.5
M-99 (9641056)	31.3	1.9	258	30	9	<1	<0.5	30.7	43	75	16	564	<5	<0.5
M-100 (9641057)	26.5	11.0	163	35	55	<1	<0.5	32.9	68	120	25	797	<5	6.8
M-101 (9641058)	26.2	12.4	366	77	60	<1	<0.5	75.1	115	269	64	2140	<5	24.7
M-102 (9641059)	6.7	2.9	7	<1	17	<1	<0.5	3.1	19	<5	79	748	<5	<0.5

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ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Dec 03, 2018

SAMPLE TYPE: Other

Analyte:	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Se	Sm	Sn	Sr
Unit:	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
RDL:	1	5	0.1	10	1	1	1	5	1	5	2	1	1	10
M-1 (9640958)	56	133	<0.1	29	962	11	<1	8	<1	6	<2	15	<1	696
M-2 (9640959)	244	90	0.9	233	125	52	<1	52	<1	72	2	52	<1	155
M-3 (9640960)	315	125	0.3	226	268	64	<1	40	<1	127	2	67	<1	250
M-4 (9640961)	293	142	1.3	216	180	64	2	136	<1	135	<2	57	<1	215
M-5 (9640962)	627	228	<0.1	84	480	123	<1	15	<1	22	6	154	<1	397
M-6 (9640963)	57	115	2.4	166	5	13	<1	74	<1	37	<2	15	<1	49
M-7 (9640964)	215	207	1.4	191	160	50	6	158	<1	122	2	48	<1	163
M-8 (9640965)	132	273	0.2	36	478	28	<1	15	<1	9	3	32	<1	408
M-9 (9640966)	76	309	0.2	49	683	16	<1	32	<1	8	5	19	<1	537
M-10 (9640967)	133	185	0.2	42	884	26	<1	23	<1	13	7	32	<1	636
M-11 (9640968)	116	183	4.3	208	27	28	3	268	<1	129	4	27	<1	102
M-12 (9640969)	133	131	3.4	213	81	31	5	183	<1	90	3	28	<1	120
M-13 (9640970)	185	122	2.4	224	40	39	<1	96	<1	70	3	41	<1	82
M-14 (9640971)	202	261	3.5	352	258	46	9	357	<1	209	4	44	<1	234
M-15 (9640972)	37	192	<0.1	24	1000	7	<1	13	<1	<5	5	11	<1	775
M-16 (9640973)	242	395	0.1	114	296	53	<1	15	<1	40	6	59	<1	333
M-17 (9640974)	179	267	0.3	119	268	38	<1	43	<1	46	5	46	<1	262
M-18 (9640975)	755	251	0.4	217	336	165	<1	20	<1	75	10	162	<1	326
M-19 (9640976)	263	441	7.0	216	152	65	14	435	1	281	7	53	<1	167
M-20 (9640977)	238	296	3.4	166	219	57	7	204	<1	138	6	54	<1	238
M-21 (9640978)	157	196	<0.1	56	557	33	<1	17	<1	10	7	36	<1	417
M-22 (9640979)	101	160	2.5	304	30	22	4	198	<1	112	3	23	<1	99
M-23 (9640980)	72	291	0.1	65	925	14	<1	8	<1	7	8	17	<1	647
M-24 (9640981)	208	405	0.4	100	508	47	<1	26	<1	21	9	43	<1	392
M-25 (9640982)	49	237	0.4	45	778	9	<1	8	<1	7	14	13	<1	506
M-26 (9640983)	238	205	<0.1	56	503	52	<1	24	<1	17	12	55	<1	391
M-27 (9640984)	75	182	5.8	233	33	18	4	181	<1	104	9	18	<1	70
M-28 (9640985)	16	79	2.4	226	<1	4	<1	71	<1	35	9	4	<1	28
M-29 (9640986)	195	215	4.3	268	149	46	8	388	<1	191	10	40	<1	159
M-30 (9640987)	192	192	3.0	256	119	45	5	224	<1	126	9	39	<1	171
M-31 (9640988)	360	178	1.4	272	222	82	4	172	<1	168	8	76	<1	224
M-32 (9640989)	50	331	<0.1	30	878	9	<1	7	<1	7	12	14	<1	618

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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 ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Dec 03, 2018

SAMPLE TYPE: Other

Analyte:	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Se	Sm	Sn	Sr
Unit:	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
RDL:	1	5	0.1	10	1	1	1	5	1	5	2	1	1	10
M-33 (9640990)	111	172	2.2	346	174	23	1	110	<1	61	9	26	<1	167
M-34 (9640991)	192	217	2.8	242	132	40	<1	58	<1	49	9	44	<1	153
M-35 (9640992)	86	436	<0.1	68	727	17	<1	26	<1	8	12	23	<1	542
M-36 (9640993)	145	214	0.2	100	529	33	<1	25	<1	17	12	35	<1	392
M-37 (9640994)	208	341	<0.1	133	466	49	<1	28	<1	31	14	47	<1	395
M-38 (9640995)	78	240	0.2	42	920	16	<1	12	<1	10	15	21	<1	644
M-39 (9640996)	88	199	<0.1	63	1110	17	<1	10	<1	10	16	23	<1	713
M-40 (9640997)	116	229	<0.1	51	1090	22	<1	8	<1	11	15	30	<1	669
M-41 (9640998)	63	220	0.1	23	1140	12	<1	15	<1	10	18	18	<1	740
M-42 (9640999)	228	448	0.3	80	478	53	<1	36	<1	20	17	53	<1	349
M-43 (9641000)	41	134	1.7	155	258	9	<1	83	<1	49	16	10	<1	227
M-44 (9641001)	224	192	2.4	203	240	53	6	167	<1	154	13	45	<1	225
M-45 (9641002)	25	118	2.9	206	5	6	<1	96	<1	53	13	6	<1	62
M-46 (9641003)	37	115	<0.1	31	1540	7	<1	13	<1	6	16	10	<1	905
M-47 (9641004)	197	325	1.2	176	122	41	<1	46	<1	57	15	47	<1	165
M-48 (9641005)	44	66	0.1	<10	1640	9	<1	33	<1	7	13	11	<1	1020
M-49 (9641006)	280	195	1.6	198	298	63	1	113	<1	84	17	60	<1	251
M-50 (9641007)	112	150	3.8	419	63	23	4	93	<1	73	16	28	<1	83
M-51 (9641008)	105	151	3.9	328	61	22	<1	89	<1	70	15	24	<1	85
M-52 (9641009)	70	161	5.6	387	9	15	<1	108	<1	74	18	18	<1	50
M-53 (9641010)	187	153	3.8	221	131	41	<1	93	<1	72	16	41	<1	135
M-54 (9641011)	230	216	3.6	233	156	57	6	267	<1	142	16	47	<1	171
M-55 (9641012)	157	171	2.9	386	76	32	<1	94	<1	66	16	40	<1	83
M-56 (9641013)	182	219	5.3	320	107	40	4	233	<1	135	14	40	<1	110
M-57 (9641014)	207	250	3.1	328	133	45	<1	156	<1	104	18	48	<1	166
M-58 (9641015)	179	233	2.2	240	109	36	<1	74	<1	70	16	47	<1	122
M-59 (9641016)	125	217	1.8	429	136	26	<1	44	<1	48	14	33	<1	134
M-60 (9641017)	183	459	2.7	221	187	41	7	153	<1	133	16	42	<1	196
M-61 (9641018)	200	425	5.6	231	49	45	7	198	<1	166	19	48	<1	117
M-62 (9641019)	169	539	7.1	197	267	44	15	492	<1	304	20	33	<1	231
M-63 (9641020)	125	458	10.4	212	215	32	13	430	<1	245	24	24	<1	235
M-64 (9641021)	269	423	1.6	163	275	62	<1	91	<1	99	17	59	<1	266

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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MISSISSAUGA, ONTARIO
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TEL (905)501-9998
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Dec 03, 2018

SAMPLE TYPE: Other

Analyte:	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Se	Sm	Sn	Sr
Unit:	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
RDL:	1	5	0.1	10	1	1	1	5	1	5	2	1	1	10
M-65 (9641022)	200	182	6.3	200	7	44	1	129	<1	83	17	46	<1	72
M-66 (9641023)	281	146	4.6	212	78	63	5	209	<1	145	18	61	<1	94
M-67 (9641024)	65	101	2.6	241	<1	13	<1	88	<1	38	17	17	<1	43
M-68 (9641025)	130	165	3.2	255	116	29	3	159	<1	89	15	29	<1	159
M-69 (9641026)	1000	127	0.2	77	443	243	<1	47	<1	115	19	171	<1	374
M-70 (9641027)	150	163	0.1	23	252	34	<1	34	<1	22	18	35	<1	240
M-71 (9641028)	73	224	<0.1	23	992	14	<1	18	<1	8	19	21	<1	610
M-72 (9641029)	121	141	0.3	118	514	26	<1	43	<1	36	21	29	<1	429
M-73 (9641030)	218	242	3.6	248	188	48	5	157	<1	129	18	45	<1	191
M-74 (9641031)	147	185	5.5	246	108	32	4	223	<1	132	19	33	<1	143
M-75 (9641032)	715	263	0.2	154	389	152	<1	30	<1	126	21	151	<1	328
M-76 (9641033)	430	455	3.5	183	205	94	9	256	<1	203	20	102	<1	199
M-77 (9641034)	159	348	<0.1	53	733	33	<1	24	<1	16	17	37	<1	461
M-78 (9641035)	18	118	1.9	58	<1	5	<1	89	<1	52	17	4	<1	59
M-79 (9641036)	119	145	4.3	202	8	24	<1	93	<1	54	18	30	<1	50
M-80 (9641037)	126	151	9.5	237	20	27	6	206	<1	104	21	31	<1	56
M-81 (9641038)	29	113	5.0	380	23	7	<1	132	<1	80	19	7	<1	47
M-82 (9641039)	9	70	1.8	77	<1	2	<1	59	<1	23	17	2	<1	<10
M-83 (9641040)	22	72	3.8	151	<1	6	<1	89	<1	45	21	5	<1	17
M-84 (9641041)	431	257	1.7	283	508	96	7	241	<1	211	20	81	<1	413
M-85 (9641042)	133	210	0.3	240	603	30	<1	37	<1	47	20	32	<1	426
M-86 (9641043)	231	311	1.2	336	219	47	2	125	<1	129	20	54	<1	228
M-87 (9641044)	211	225	2.2	324	162	44	1	141	<1	161	19	50	<1	176
M-88 (9641045)	232	217	2.7	269	267	51	4	214	<1	148	19	48	<1	254
M-89 (9641046)	100	179	4.6	268	37	20	2	130	<1	94	21	26	<1	84
M-90 (9641047)	156	180	1.7	328	210	34	<1	71	<1	115	18	33	<1	213
M-91 (9641048)	174	186	3.2	368	193	37	1	125	<1	128	21	39	<1	216
M-92 (9641049)	130	150	4.5	351	34	28	<1	82	<1	66	20	30	<1	67
M-93 (9641050)	167	244	6.9	409	34	35	5	313	<1	170	22	41	<1	91
M-94 (9641051)	156	393	0.3	116	426	35	<1	27	<1	29	19	35	<1	373
M-95 (9641052)	89	587	0.2	101	482	22	<1	24	<1	37	19	19	<1	440
M-96 (9641053)	100	270	0.2	55	877	21	<1	10	<1	12	20	24	<1	562

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Dec 03, 2018

SAMPLE TYPE: Other

Analyte:	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Se	Sm	Sn	Sr
Unit:	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
RDL:	1	5	0.1	10	1	1	1	5	1	5	2	1	1	10
M-97 (9641054)	201	350	0.5	236	238	42	<1	49	<1	48	20	47	<1	243
M-98 (9641055)	201	483	1.2	210	321	45	1	52	<1	82	20	48	<1	253
M-99 (9641056)	43	188	4.0	94	<1	11	3	151	8	101	21	9	<1	45
M-100 (9641057)	172	154	2.6	358	45	34	3	180	<1	122	21	45	<1	67
M-101 (9641058)	236	292	5.5	305	144	51	7	339	<1	209	19	53	<1	168
M-102 (9641059)	44	193	0.2	12	926	8	<1	28	<1	9	20	12	<1	607

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PROJECT: Brandy Brook Mines

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Dec 03, 2018

SAMPLE TYPE: Other

Analyte:	Ta	Tb	Th	Ti	Tl	U	V	W	Y	Yb	Zn	Zr
Unit:	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
RDL:	1	1	0.5	3	0.5	1	1	1	1	1	20	5
M-1 (9640958)	<1	3	25.1	12	<0.5	13	2	<1	88	9	195	8
M-2 (9640959)	<1	9	83.9	1750	<0.5	8	80	<1	290	26	307	107
M-3 (9640960)	<1	11	59.6	661	<0.5	13	26	<1	325	34	540	65
M-4 (9640961)	<1	9	103	4370	0.7	11	155	<1	271	24	189	208
M-5 (9640962)	<1	27	16.3	<3	<0.5	14	2	<1	840	98	86	12
M-6 (9640963)	<1	5	54.6	1570	<0.5	5	44	<1	175	19	388	72
M-7 (9640964)	<1	8	140	4470	0.6	17	168	<1	261	29	400	260
M-8 (9640965)	<1	5	29.3	31	<0.5	28	3	<1	147	15	323	24
M-9 (9640966)	<1	3	25.6	<3	<0.5	37	2	<1	102	10	448	15
M-10 (9640967)	<1	7	25.5	58	<0.5	10	4	<1	240	22	348	11
M-11 (9640968)	<1	5	121	7830	1.2	9	271	<1	135	13	471	347
M-12 (9640969)	<1	4	108	5370	0.7	7	157	<1	113	11	482	261
M-13 (9640970)	<1	8	68.0	2830	<0.5	6	89	<1	226	18	338	120
M-14 (9640971)	<1	8	167	9080	1.5	15	377	<1	255	25	1070	480
M-15 (9640972)	<1	2	9.5	<3	<0.5	19	2	<1	72	6	43	<5
M-16 (9640973)	<1	12	32.2	23	<0.5	123	2	<1	453	46	486	42
M-17 (9640974)	<1	11	41.2	335	<0.5	50	15	<1	370	40	571	56
M-18 (9640975)	<1	27	60.9	123	<0.5	9	9	<1	838	78	176	48
M-19 (9640976)	<1	9	309	11600	2.2	22	523	<1	303	37	938	716
M-20 (9640977)	<1	9	147	4840	0.8	44	205	<1	275	34	1170	340
M-21 (9640978)	<1	6	51.9	<3	<0.5	31	2	<1	183	17	240	20
M-22 (9640979)	<1	4	92.7	6310	0.9	6	192	<1	123	13	496	259
M-23 (9640980)	<1	3	29.9	<3	<0.5	8	8	<1	106	11	106	13
M-24 (9640981)	<1	7	79.5	77	<0.5	105	9	<1	226	24	251	69
M-25 (9640982)	<1	3	18.6	<3	<0.5	36	3	<1	87	8	83	12
M-26 (9640983)	<1	9	52.2	60	<0.5	18	4	<1	271	28	301	37
M-27 (9640984)	<1	5	108	7840	0.7	8	238	<1	170	16	830	257
M-28 (9640985)	<1	1	33.8	2080	<0.5	3	49	<1	40	6	392	74
M-29 (9640986)	<1	6	137	10100	1.4	11	401	<1	179	15	615	441
M-30 (9640987)	<1	7	108	6350	0.8	6	199	<1	209	19	419	281
M-31 (9640988)	<1	12	135	4750	0.7	14	173	<1	315	29	388	269
M-32 (9640989)	<1	3	28.0	25	<0.5	76	2	<1	81	8	67	16

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Dec 03, 2018

SAMPLE TYPE: Other

Analyte:	Ta	Tb	Th	Ti	Tl	U	V	W	Y	Yb	Zn	Zr
Unit:	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
RDL:	1	1	0.5	3	0.5	1	1	1	1	1	20	5
M-33 (9640990)	<1	6	83.7	2600	<0.5	7	62	<1	215	17	1180	112
M-34 (9640991)	<1	8	65.5	1440	<0.5	7	32	<1	265	19	1030	54
M-35 (9640992)	<1	4	17.3	<3	<0.5	78	2	<1	134	13	46	12
M-36 (9640993)	<1	6	44.6	73	<0.5	56	5	<1	182	19	288	50
M-37 (9640994)	<1	9	42.1	66	<0.5	100	4	<1	294	35	278	71
M-38 (9640995)	<1	4	25.5	<3	<0.5	50	1	<1	121	13	103	20
M-39 (9640996)	<1	4	24.4	<3	<0.5	26	2	<1	134	14	85	15
M-40 (9640997)	<1	5	20.8	<3	<0.5	28	1	<1	172	16	109	13
M-41 (9640998)	<1	3	18.1	<3	<0.5	25	2	<1	120	11	44	10
M-42 (9640999)	<1	9	38.3	17	<0.5	90	2	<1	316	31	30	34
M-43 (9641000)	<1	2	42.1	1920	<0.5	6	53	<1	67	6	477	75
M-44 (9641001)	<1	7	130	5530	0.6	8	171	<1	225	21	318	247
M-45 (9641002)	<1	1	48.5	3950	<0.5	3	95	<1	53	7	228	102
M-46 (9641003)	<1	2	18.0	<3	<0.5	4	4	<1	78	7	25	5
M-47 (9641004)	<1	10	55.3	640	<0.5	21	16	<1	338	27	36	45
M-48 (9641005)	<1	2	22.0	7	<0.5	3	4	<1	41	2	20	10
M-49 (9641006)	<1	9	93.2	2190	<0.5	7	61	<1	292	23	406	129
M-50 (9641007)	<1	6	76.1	2840	<0.5	4	65	<1	191	15	473	101
M-51 (9641008)	<1	5	53.0	3360	<0.5	4	80	<1	178	14	733	102
M-52 (9641009)	<1	4	57.4	4410	<0.5	6	81	<1	139	10	836	126
M-53 (9641010)	<1	7	68.5	2350	<0.5	6	52	<1	240	16	469	107
M-54 (9641011)	<1	8	102	8110	1.1	8	215	<1	223	16	495	321
M-55 (9641012)	<1	9	62.0	1980	<0.5	13	49	<1	314	23	499	83
M-56 (9641013)	<1	7	116	6800	0.8	9	189	<1	222	18	755	285
M-57 (9641014)	<1	10	95.6	4360	<0.5	11	118	<1	326	24	688	191
M-58 (9641015)	<1	11	65.6	1660	<0.5	9	48	<1	333	33	661	81
M-59 (9641016)	<1	8	64.1	843	<0.5	9	32	<1	313	24	771	64
M-60 (9641017)	<1	10	131	3760	0.5	26	147	<1	369	45	807	287
M-61 (9641018)	<1	12	144	4630	0.8	46	170	<1	390	41	1010	345
M-62 (9641019)	<1	6	167	9440	1.9	39	420	<1	252	29	1740	610
M-63 (9641020)	<1	4	143	8990	1.7	55	483	<1	127	16	808	548
M-64 (9641021)	<1	11	63.7	1770	<0.5	17	76	<1	342	39	925	161

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Dec 03, 2018

SAMPLE TYPE: Other

Analyte:	Ta	Tb	Th	Ti	Tl	U	V	W	Y	Yb	Zn	Zr
Unit:	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
RDL:	1	1	0.5	3	0.5	1	1	1	1	1	20	5
M-65 (9641022)	<1	9	82.3	2390	<0.5	8	74	<1	265	20	501	155
M-66 (9641023)	<1	9	144	5950	0.9	11	159	<1	238	20	490	339
M-67 (9641024)	<1	4	48.7	1210	<0.5	4	25	<1	135	10	383	84
M-68 (9641025)	<1	5	92.3	5230	<0.5	9	130	<1	159	12	693	208
M-69 (9641026)	<1	22	76.5	850	<0.5	7	25	<1	548	46	48	68
M-70 (9641027)	<1	5	48.0	119	<0.5	9	5	<1	169	14	72	39
M-71 (9641028)	<1	4	15.9	<3	<0.5	36	1	<1	111	6	94	<5
M-72 (9641029)	<1	5	34.4	19	<0.5	27	2	<1	205	22	601	51
M-73 (9641030)	<1	8	103	6140	0.6	8	180	<1	265	19	836	241
M-74 (9641031)	<1	6	107	8700	0.6	10	187	<1	170	13	627	263
M-75 (9641032)	<1	25	51.5	125	<0.5	16	7	<1	710	84	129	49
M-76 (9641033)	<1	20	130	5660	0.8	69	178	<1	576	51	756	318
M-77 (9641034)	<1	7	43.8	53	<0.5	17	6	<1	222	20	362	27
M-78 (9641035)	<1	1	33.7	2050	<0.5	3	51	<1	69	15	240	82
M-79 (9641036)	<1	7	58.9	2120	<0.5	5	43	<1	204	13	185	111
M-80 (9641037)	<1	5	81.8	6660	0.6	8	148	<1	156	11	442	227
M-81 (9641038)	<1	3	59.1	4260	<0.5	6	104	<1	107	13	506	130
M-82 (9641039)	<1	<1	22.8	681	<0.5	6	18	<1	28	9	178	35
M-83 (9641040)	<1	1	46.0	1990	<0.5	7	41	<1	49	9	178	96
M-84 (9641041)	<1	14	122	6540	0.9	14	181	<1	439	40	652	294
M-85 (9641042)	<1	5	37.9	93	<0.5	15	4	<1	218	18	251	40
M-86 (9641043)	<1	12	98.6	3190	<0.5	11	125	<1	415	40	912	180
M-87 (9641044)	<1	11	129	6710	0.5	10	207	<1	334	30	772	263
M-88 (9641045)	<1	8	86.5	7460	0.9	9	228	<1	258	19	1090	268
M-89 (9641046)	<1	6	67.5	5910	<0.5	7	138	<1	198	14	897	163
M-90 (9641047)	<1	6	82.5	4800	<0.5	9	128	<1	248	17	382	180
M-91 (9641048)	<1	8	110	7950	<0.5	10	203	<1	268	20	384	269
M-92 (9641049)	<1	5	58.9	3660	<0.5	5	79	<1	156	10	270	113
M-93 (9641050)	<1	8	100	9340	1.1	10	310	<1	232	17	578	314
M-94 (9641051)	<1	6	51.9	156	<0.5	84	8	<1	241	23	519	71
M-95 (9641052)	<1	3	37.1	97	<0.5	107	9	<1	121	14	481	54
M-96 (9641053)	<1	4	31.7	<3	<0.5	39	2	<1	156	12	129	19

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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 MISSISSAUGA, ONTARIO
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 TEL (905)501-9998
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018	DATE RECEIVED: Oct 18, 2018						DATE REPORTED: Dec 03, 2018				SAMPLE TYPE: Other	
Analyte:	Ta	Tb	Th	Ti	Tl	U	V	W	Y	Yb	Zn	Zr
Unit:	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Sample ID (AGAT ID)	RDL:	1	1	0.5	3	0.5	1	1	1	1	1	5
M-97 (9641054)	<1	10	56.6	371	<0.5	24	12	<1	324	28	878	50
M-98 (9641055)	<1	11	76.1	1080	<0.5	51	47	<1	401	47	1190	119
M-99 (9641056)	<1	2	63.4	4880	<0.5	8	120	<1	116	31	501	172
M-100 (9641057)	<1	9	68.5	7280	0.6	7	166	<1	338	20	334	234
M-101 (9641058)	<1	9	118	10400	1.1	11	398	<1	333	21	653	450
M-102 (9641059)	<1	2	24.2	37	<0.5	17	3	<1	74	5	37	15

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9640969	3	3	0.0%	9640974	7	5		9640981	18	14	25.0%	9640983	4	6	
Al	9640969	457	518	12.5%	9640974	154	132	15.4%	9640981	44	51	14.7%	9640983	62	47	27.5%
As	9640969	11	15		9640974	< 10	< 10	0.0%	9640981	< 10	< 10	0.0%	9640983	< 10	< 10	0.0%
Au	9640969	< 0.1	< 0.1	0.0%	9640974	< 0.1	< 0.1	0.0%	9640981	< 0.1	< 0.1	0.0%	9640983	< 0.1	< 0.1	0.0%
Ba	9640969	723	900	21.8%	9640974	169	168	0.6%	9640981	247	295	17.7%	9640983	278	220	23.3%
Bi	9640969	< 1	< 1	0.0%	9640974	< 1	< 1	0.0%	9640981	< 1	< 1	0.0%	9640983	< 1	< 1	0.0%
Ca	9640969	63	75	17.4%	9640974	226	261	14.4%	9640981	378	365	3.5%	9640983	371	400	7.5%
Cd	9640969	5	5	0.0%	9640974	10	7		9640981	21	23	9.1%	9640983	6	9	
Ce	9640969	241	260	7.6%	9640974	220	200	9.5%	9640981	320	361	12.0%	9640983	737	590	
Co	9640969	47	56	17.5%	9640974	11	< 5		9640981	63	55	13.6%	9640983	26	27	3.8%
Cr	9640969	157	189	18.5%	9640974	69	53		9640981	73	84	14.0%	9640983	63	58	8.3%
Cs	9640969	7.7	9.2	17.8%	9640974	1.0	0.8		9640981	< 0.5	< 0.5	0.0%	9640983	< 0.5	< 0.5	0.0%
Cu	9640969	128	160	22.2%	9640974	315	256		9640981	1410	1090	25.6%	9640983	311	373	18.1%
Dy	9640969	26	25	3.9%	9640974	76	60		9640981	43	48	11.0%	9640983	56	57	1.8%
Er	9640969	12.7	12.8	0.8%	9640974	51.4	37.8		9640981	28.2	31.8	12.0%	9640983	33.7	35.7	5.8%
Eu	9640969	6.52	6.79	4.1%	9640974	11.4	10.62	7.1%	9640981	9.33	10.4	10.8%	9640983	12.1	11.8	2.5%
Fe	9640969	237	297	22.5%	9640974	96	63		9640981	48	57	17.1%	9640983	19	13	
Ga	9640969	31	37	17.6%	9640974	6	4		9640981	4	4	0.0%	9640983	6	4	
Gd	9640969	29	31	6.7%	9640974	61	49	21.8%	9640981	51	55	7.5%	9640983	67	68	1.5%
Hg	9640969	< 1	< 1	0.0%	9640974	< 1	< 1	0.0%	9640981	< 1	< 1	0.0%	9640983	< 1	1	
In	9640969	< 0.5	< 0.5	0.0%	9640974	< 0.5	< 0.5	0.0%	9640981	< 0.5	< 0.5	0.0%	9640983	< 0.5	< 0.5	0.0%
K	9640969	38.6	51.0	27.7%	9640974	18.8	16.7	11.8%	9640981	11.1	11.0	0.9%	9640983	9.3	10.3	10.2%
La	9640969	98	111	12.4%	9640974	93	86	7.8%	9640981	141	157	10.7%	9640983	146	135	7.8%
Li	9640969	100	125	22.2%	9640974	12	6		9640981	8	9	11.8%	9640983	5	< 5	
Mg	9640969	38	44	14.6%	9640974	50	63	23.0%	9640981	108	103	4.7%	9640983	73	81	10.4%
Mn	9640969	1480	1580	6.5%	9640974	334	228		9640981	2530	2270	10.8%	9640983	2360	1820	25.8%
Mo	9640969	< 5	< 5	0.0%	9640974	< 5	< 5	0.0%	9640981	< 5	< 5	0.0%	9640983	< 5	< 5	0.0%
Nb	9640969	4.8	7.6		9640974	< 0.5	< 0.5	0.0%	9640981	< 0.5	< 0.5	0.0%	9640983	< 0.5	< 0.5	0.0%
Nd	9640969	133	143	7.2%	9640974	179	163	9.4%	9640981	208	229	9.6%	9640983	238	214	10.6%
Ni	9640969	131	161	20.5%	9640974	267	206		9640981	405	443	9.0%	9640983	205	291	
P	9640969	3.42	4.47		9640974	0.3	0.3	0.0%	9640981	0.40	0.34	16.2%	9640983	< 0.1	0.1	



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Pb	9640969	213	219	2.8%	9640974	119	88		9640981	100	123	20.6%	9640983	56	48	15.4%
Pd	9640969	81	100		9640974	268	297	10.3%	9640981	508	512	0.8%	9640983	503	610	19.2%
Pr	9640969	31	35	12.1%	9640974	38	35	8.2%	9640981	47	52	10.1%	9640983	52	45	14.4%
Pt	9640969	5	5	0.0%	9640974	< 1	< 1	0.0%	9640981	< 1	< 1	0.0%	9640983	< 1	< 1	0.0%
Rb	9640969	183	218	17.5%	9640974	43	36	17.7%	9640981	26	32	20.7%	9640983	24	15	
Sb	9640969	< 1	< 1	0.0%	9640974	< 1	< 1	0.0%	9640981	< 1	< 1	0.0%	9640983	< 1	< 1	0.0%
Sc	9640969	90	105	15.4%	9640974	46	34		9640981	21	26	21.3%	9640983	17	14	19.4%
Se	9640969	3	5		9640974	5	6	18.2%	9640981	9	10	10.5%	9640983	12	10	18.2%
Sm	9640969	28	30	6.9%	9640974	46	41	11.5%	9640981	43	48	11.0%	9640983	55	50	9.5%
Sn	9640969	< 1	< 1	0.0%	9640974	< 1	< 1	0.0%	9640981	< 1	< 1	0.0%	9640983	< 1	< 1	0.0%
Sr	9640969	120	131	8.8%	9640974	262	305	15.2%	9640981	392	391	0.3%	9640983	391	423	7.9%
Ta	9640969	< 1	< 1	0.0%	9640974	< 1	< 1	0.0%	9640981	< 1	< 1	0.0%	9640983	< 1	< 1	0.0%
Tb	9640969	4	5	22.2%	9640974	11	9		9640981	7	8	13.3%	9640983	9	9	0.0%
Th	9640969	108	132	20.0%	9640974	41.2	34.2	18.6%	9640981	79.5	72.8	8.8%	9640983	52.2	45.0	14.8%
Ti	9640969	5370	6460	18.4%	9640974	335	254		9640981	77	94	19.9%	9640983	60	33	
Tl	9640969	0.7	0.9	25.0%	9640974	< 0.5	< 0.5	0.0%	9640981	< 0.5	< 0.5	0.0%	9640983	< 0.5	< 0.5	0.0%
U	9640969	7	9	25.0%	9640974	50	37		9640981	105	114	8.2%	9640983	18	18	0.0%
V	9640969	157	183	15.3%	9640974	15	11		9640981	9	11	20.0%	9640983	4	2	
W	9640969	< 1	< 1	0.0%	9640974	< 1	< 1	0.0%	9640981	< 1	< 1	0.0%	9640983	< 1	< 1	0.0%
Y	9640969	113	116	2.6%	9640974	370	299		9640981	226	249	9.7%	9640983	271	291	7.1%
Yb	9640969	11	11	0.0%	9640974	40	29		9640981	24	27	11.8%	9640983	28	28	0.0%
Zn	9640969	482	547	12.6%	9640974	571	447		9640981	251	302	18.4%	9640983	301	268	11.6%
Zr	9640969	261	305	15.5%	9640974	56	46	19.6%	9640981	69	77	11.0%	9640983	37	30	

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9640993	11	15		9641005	9	10	10.5%	9641008	6	7	15.4%	9641017	10	7	
Al	9640993	87	74	16.1%	9641005	23	22	4.4%	9641008	351	368	4.7%	9641017	347	296	15.9%
As	9640993	< 10	< 10	0.0%	9641005	< 10	< 10	0.0%	9641008	< 10	< 10	0.0%	9641017	13	10	
Au	9640993	< 0.1	< 0.1	0.0%	9641005	< 0.1	< 0.1	0.0%	9641008	< 0.1	< 0.1	0.0%	9641017	< 0.1	< 0.1	0.0%
Ba	9640993	169	142	17.4%	9641005	355	381	7.1%	9641008	177	229	25.6%	9641017	427	383	10.9%
Bi	9640993	< 1	< 1	0.0%	9641005	< 1	< 1	0.0%	9641008	< 1	< 1	0.0%	9641017	< 1	< 1	0.0%
Ca	9640993	413	431	4.3%	9641005	459	466	1.5%	9641008	49	55	11.5%	9641017	100	111	10.4%
Cd	9640993	14	11		9641005	4	3	28.6%	9641008	16	16	0.0%	9641017	19	15	
Ce	9640993	227	193	16.2%	9641005	30	30	0.0%	9641008	137	157	13.6%	9641017	316	355	11.6%



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Co	9640993	44	30		9641005	11	10	9.5%	9641008	58	61	5.0%	9641017	115	101	13.0%
Cr	9640993	62	49		9641005	< 30	< 30	0.0%	9641008	83	99	17.6%	9641017	215	185	15.0%
Cs	9640993	< 0.5	< 0.5	0.0%	9641005	0.55	0.58	5.3%	9641008	3.60	4.49	22.0%	9641017	7.28	6.22	15.7%
Cu	9640993	449	417	7.4%	9641005	499	518	3.7%	9641008	399	418	4.7%	9641017	497	435	13.3%
Dy	9640993	35	30	15.4%	9641005	8	8	0.0%	9641008	34	34	0.0%	9641017	81	65	
Er	9640993	21.7	17.8	19.7%	9641005	3.4	3.5	2.9%	9641008	17.8	18.1	1.7%	9641017	52.9	40.1	
Eu	9640993	7.52	6.42	15.8%	9641005	2.67	2.61	2.3%	9641008	5.9	6.2	5.0%	9641017	10.1	10.8	6.7%
Fe	9640993	22	18	20.0%	9641005	5	5	0.0%	9641008	126	140	10.5%	9641017	356	299	17.4%
Ga	9640993	3	2		9641005	< 1	< 1	0.0%	9641008	21	24	13.3%	9641017	32	28	13.3%
Gd	9640993	41	34	18.7%	9641005	13	13	0.0%	9641008	29	31	6.7%	9641017	55	55	0.0%
Hg	9640993	< 1	< 1	0.0%	9641005	< 1	< 1	0.0%	9641008	< 1	< 1	0.0%	9641017	< 1	< 1	0.0%
In	9640993	< 0.5	< 0.5	0.0%	9641005	< 0.5	< 0.5	0.0%	9641008	< 0.5	< 0.5	0.0%	9641017	< 0.5	< 0.5	0.0%
K	9640993	22.2	17.5		9641005	21.0	21.6	2.8%	9641008	29.1	33.1	12.9%	9641017	38.9	33.5	14.9%
La	9640993	94	83	12.4%	9641005	23	22	4.4%	9641008	46	56	19.6%	9641017	117	142	19.3%
Li	9640993	5	< 5		9641005	< 5	< 5	0.0%	9641008	52	64	20.7%	9641017	121	107	12.3%
Mg	9640993	88	94	6.6%	9641005	108	109	0.9%	9641008	19	23	19.0%	9641017	52	46	12.2%
Mn	9640993	1530	1069		9641005	182	166	9.2%	9641008	815	901	10.0%	9641017	4620	4300	7.2%
Mo	9640993	< 5	< 5	0.0%	9641005	< 5	< 5	0.0%	9641008	< 5	< 5	0.0%	9641017	< 5	< 5	0.0%
Nb	9640993	< 0.5	< 0.5	0.0%	9641005	< 0.5	< 0.5	0.0%	9641008	< 0.5	< 0.5	0.0%	9641017	< 0.5	< 0.5	0.0%
Nd	9640993	145	124	15.6%	9641005	44	43	2.3%	9641008	105	113	7.3%	9641017	183	217	17.0%
Ni	9640993	214	202	5.8%	9641005	66	71	7.3%	9641008	151	146	3.4%	9641017	459	343	
P	9640993	0.17	0.13		9641005	0.15	0.18	18.2%	9641008	3.92	4.32	9.7%	9641017	2.7	3.4	
Pb	9640993	100	79		9641005	< 10	15		9641008	328	320	2.5%	9641017	221	197	11.5%
Pd	9640993	529	624	16.5%	9641005	1640	1790	8.7%	9641008	61	55	10.3%	9641017	187	145	
Pr	9640993	33	27	20.0%	9641005	9	8	11.8%	9641008	22	25	12.8%	9641017	41	49	17.8%
Pt	9640993	< 1	< 1	0.0%	9641005	< 1	< 1	0.0%	9641008	< 1	< 1	0.0%	9641017	7	6	15.4%
Rb	9640993	25	19		9641005	33	34	3.0%	9641008	89	103	14.6%	9641017	153	132	14.7%
Sb	9640993	< 1	< 1	0.0%	9641005	< 1	< 1	0.0%	9641008	< 1	< 1	0.0%	9641017	< 1	< 1	0.0%
Sc	9640993	17	12		9641005	7	7	0.0%	9641008	70	78	10.8%	9641017	133	117	12.8%
Se	9640993	12	13	8.0%	9641005	13	16	20.7%	9641008	15	15	0.0%	9641017	16	16	0.0%
Sm	9640993	35	29	18.8%	9641005	11	11	0.0%	9641008	24	26	8.0%	9641017	42	50	17.4%
Sn	9640993	< 1	< 1	0.0%	9641005	< 1	< 1	0.0%	9641008	< 1	< 1	0.0%	9641017	< 1	< 1	0.0%
Sr	9640993	392	447	13.1%	9641005	1020	1060	3.8%	9641008	85	95	11.1%	9641017	196	164	17.8%
Ta	9640993	< 1	< 1	0.0%	9641005	< 1	< 1	0.0%	9641008	< 1	< 1	0.0%	9641017	< 1	< 1	0.0%



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Tb	9640993	6	4		9641005	2	2	0.0%	9641008	5	5	0.0%	9641017	10	8	22.2%
Th	9640993	44.6	34.0		9641005	22.0	20.0	9.5%	9641008	53.0	61.4	14.7%	9641017	131	136	3.7%
Ti	9640993	73	54		9641005	7	7	0.0%	9641008	3360	4100	19.8%	9641017	3760	3150	17.7%
Tl	9640993	< 0.5	< 0.5	0.0%	9641005	< 0.5	< 0.5	0.0%	9641008	< 0.5	< 0.5	0.0%	9641017	0.5	0.5	0.0%
U	9640993	56	45		9641005	3	3	0.0%	9641008	4	5	22.2%	9641017	26	20	
V	9640993	5	2		9641005	4	4	0.0%	9641008	80	97	19.2%	9641017	147	126	15.4%
W	9640993	< 1	< 1	0.0%	9641005	< 1	< 1	0.0%	9641008	< 1	< 1	0.0%	9641017	< 1	< 1	0.0%
Y	9640993	182	163	11.0%	9641005	41	41	0.0%	9641008	178	177	0.6%	9641017	369	306	18.7%
Yb	9640993	19	15		9641005	2	2	0.0%	9641008	14	14	0.0%	9641017	45	34	
Zn	9640993	288	226		9641005	20	19	5.1%	9641008	733	686	6.6%	9641017	807	671	18.4%
Zr	9640993	50	38		9641005	10	10	0.0%	9641008	102	124	19.5%	9641017	287	263	8.7%
		REPLICATE #9			REPLICATE #10				REPLICATE #11				REPLICATE #12			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9641029	13	9		9641033	11	12	8.7%	9641041	6	6	0.0%	9641053	19	16	17.1%
Al	9641029	101	92	9.3%	9641033	451	595		9641041	426	377	12.2%	9641053	46	67	
As	9641029	< 10	< 10	0.0%	9641033	11	15		9641041	12	< 10		9641053	< 10	< 10	0.0%
Au	9641029	< 0.1	< 0.1	0.0%	9641033	< 0.1	< 0.1	0.0%	9641041	< 0.1	< 0.1	0.0%	9641053	< 0.1	< 0.1	0.0%
Ba	9641029	150	170	12.5%	9641033	581	710	20.0%	9641041	699	408		9641053	174	157	10.3%
Bi	9641029	< 1	< 1	0.0%	9641033	< 1	1		9641041	< 1	< 1	0.0%	9641053	< 1	< 1	0.0%
Ca	9641029	422	415	1.7%	9641033	109	102	6.6%	9641041	178	126		9641053	536	478	11.4%
Cd	9641029	8	8	0.0%	9641033	10	12	18.2%	9641041	8	10		9641053	9	12	
Ce	9641029	148	152	2.7%	9641033	464	402	14.3%	9641041	473	389	19.5%	9641053	99	123	21.6%
Co	9641029	25	19	27.3%	9641033	59	73		9641041	54	43		9641053	29	23	23.1%
Cr	9641029	75	75	0.0%	9641033	262	370		9641041	267	203		9641053	48	59	20.6%
Cs	9641029	< 0.5	< 0.5	0.0%	9641033	11.2	13.3	17.1%	9641041	10.5	5.0		9641053	< 0.5	< 0.5	0.0%
Cu	9641029	334	353	5.5%	9641033	434	500	14.1%	9641041	517	510	1.4%	9641053	543	409	
Dy	9641029	37	42	12.7%	9641033	127	143	11.9%	9641041	90	88	2.2%	9641053	24	32	
Er	9641029	24.7	29.0	16.0%	9641033	66.0	90.9		9641041	49.5	47.3	4.5%	9641053	14.9	21.3	
Eu	9641029	7.13	8.00	11.5%	9641033	23.3	19.3	18.8%	9641041	17.7	16.7	5.8%	9641053	5.2	6.6	
Fe	9641029	24	24	0.0%	9641033	321	448		9641041	234	194	18.7%	9641053	10	16	
Ga	9641029	3	3	0.0%	9641033	48	53	9.9%	9641041	49	38		9641053	2	2	0.0%
Gd	9641029	37	43	15.0%	9641033	126	119	5.7%	9641041	95	88	7.7%	9641053	30	36	18.2%
Hg	9641029	< 1	< 1	0.0%	9641033	< 1	< 1	0.0%	9641041	< 1	< 1	0.0%	9641053	< 1	< 1	0.0%
In	9641029	< 0.5	< 0.5	0.0%	9641033	< 0.5	< 0.5	0.0%	9641041	< 0.5	< 0.5	0.0%	9641053	< 0.5	< 0.5	0.0%



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K	9641029	15.0	14.8	1.3%	9641033	54.4	64	16.2%	9641041	55.1	40.5		9641053	18.5	17.0	8.5%
La	9641029	77	85	9.9%	9641033	242	210	14.2%	9641041	314	276	12.9%	9641053	59	76	
Li	9641029	< 5	< 5	0.0%	9641033	200	263		9641041	185	140		9641053	6	5	18.2%
Mg	9641029	51	53	3.8%	9641033	61	81		9641041	73	57		9641053	111	98	12.4%
Mn	9641029	820	752	8.7%	9641033	1600	1770	10.1%	9641041	640	544	16.2%	9641053	2000	2370	16.9%
Mo	9641029	< 5	< 5	0.0%	9641033	< 5	< 5	0.0%	9641041	< 5	< 5	0.0%	9641053	< 5	< 5	0.0%
Nb	9641029	< 0.5	< 0.5	0.0%	9641033	3.8	5.0		9641041	6.8	5.5		9641053	< 0.5	< 0.5	0.0%
Nd	9641029	121	134	10.2%	9641033	430	373	14.2%	9641041	431	369	15.5%	9641053	100	123	
Ni	9641029	141	152	7.5%	9641033	455	584		9641041	257	226	12.8%	9641053	270	325	18.5%
P	9641029	0.3	0.1		9641033	3.5	4.9		9641041	1.7	1.5	12.5%	9641053	0.2	0.1	
Pb	9641029	118	129	8.9%	9641033	183	209	13.3%	9641041	283	326	14.1%	9641053	55	79	
Pd	9641029	514	482	6.4%	9641033	205	259		9641041	508	421	18.7%	9641053	877	741	16.8%
Pr	9641029	26	28	7.4%	9641033	94	89	5.5%	9641041	96	82	15.7%	9641053	21	26	
Pt	9641029	< 1	< 1	0.0%	9641033	9	11	20.0%	9641041	7	5		9641053	< 1	< 1	0.0%
Rb	9641029	43	40	7.2%	9641033	256	303	16.8%	9641041	241	186		9641053	10	12	18.2%
Sb	9641029	< 1	< 1	0.0%	9641033	< 1	1		9641041	< 1	< 1	0.0%	9641053	< 1	< 1	0.0%
Sc	9641029	36	42	15.4%	9641033	203	263		9641041	211	185	13.1%	9641053	12	16	
Se	9641029	21	20	4.9%	9641033	20	21	4.9%	9641041	20	19	5.1%	9641053	20	22	9.5%
Sm	9641029	29	33	12.9%	9641033	102	89	13.6%	9641041	81	73	10.4%	9641053	24	28	15.4%
Sn	9641029	< 1	< 1	0.0%	9641033	< 1	< 1	0.0%	9641041	< 1	< 1	0.0%	9641053	< 1	< 1	0.0%
Sr	9641029	429	367	15.6%	9641033	199	239	18.3%	9641041	413	355	15.1%	9641053	562	499	11.9%
Ta	9641029	< 1	< 1	0.0%	9641033	< 1	< 1	0.0%	9641041	< 1	< 1	0.0%	9641053	< 1	< 1	0.0%
Tb	9641029	5	6	18.2%	9641033	20	22	9.5%	9641041	14	14	0.0%	9641053	4	5	
Th	9641029	34.4	29.5	15.3%	9641033	130	141	8.1%	9641041	122	105	15.0%	9641053	31.7	27.2	15.3%
Ti	9641029	19	9		9641033	5660	6700	16.8%	9641041	6540	5030		9641053	< 3	5	
Tl	9641029	< 0.5	< 0.5	0.0%	9641033	0.8	1.3		9641041	0.9	< 0.5		9641053	< 0.5	< 0.5	0.0%
U	9641029	27	26	3.8%	9641033	69	58	17.3%	9641041	14	14	0.0%	9641053	39	53	
V	9641029	2	2	0.0%	9641033	178	224		9641041	181	140		9641053	2	2	0.0%
W	9641029	< 1	< 1	0.0%	9641033	< 1	< 1	0.0%	9641041	< 1	< 1	0.0%	9641053	< 1	< 1	0.0%
Y	9641029	205	242	16.6%	9641033	576	655	12.8%	9641041	439	435	0.9%	9641053	156	200	
Yb	9641029	22	24	8.7%	9641033	51	60	16.2%	9641041	40	37	7.8%	9641053	12	18	
Zn	9641029	601	627	4.2%	9641033	756	920	19.6%	9641041	652	674	3.3%	9641053	129	167	
Zr	9641029	51	50	2.0%	9641033	318	408		9641041	294	231		9641053	19	25	



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

Parameter	REPLICATE #13				RPD													
	Sample ID	Original	Replicate	RPD														
Ag	9641058	6	8	28.6%														
Al	9641058	652	602	8.0%														
As	9641058	31	26	17.5%														
Au	9641058	< 0.1	< 0.1	0.0%														
Ba	9641058	562	515	8.7%														
Bi	9641058	1	1	0.0%														
Ca	9641058	55	47	15.7%														
Cd	9641058	10	12	18.2%														
Ce	9641058	322	266	19.0%														
Co	9641058	103	98	5.0%														
Cr	9641058	329	283	15.0%														
Cs	9641058	17.1	15.3	11.1%														
Cu	9641058	359	368	2.5%														
Dy	9641058	53	60	12.4%														
Er	9641058	26.2	28.8	9.5%														
Eu	9641058	12.4	12.3	0.8%														
Fe	9641058	366	322	12.8%														
Ga	9641058	77	67	13.9%														
Gd	9641058	60	60	0.0%														
Hg	9641058	< 1	< 1	0.0%														
In	9641058	< 0.5	< 0.5	0.0%														
K	9641058	75.1	64.2	15.6%														
La	9641058	115	93	21.2%														
Li	9641058	269	227	16.9%														
Mg	9641058	64	54	16.9%														
Mn	9641058	2140	1880	12.9%														
Mo	9641058	< 5	< 5	0.0%														
Nb	9641058	24.7	20.0	21.0%														
Nd	9641058	236	214	9.8%														
Ni	9641058	292	278	4.9%														
P	9641058	5.5	5.1	7.5%														
Pb	9641058	305	306	0.3%														



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

Pd	9641058	144	122	16.5%															
Pr	9641058	51	45	12.5%															
Pt	9641058	7	7	0.0%															
Rb	9641058	339	292	14.9%															
Sb	9641058	< 1	< 1	0.0%															
Sc	9641058	209	186	11.6%															
Se	9641058	19	21	10.0%															
Sm	9641058	53	51	3.8%															
Sn	9641058	< 1	< 1	0.0%															
Sr	9641058	168	149	12.0%															
Ta	9641058	< 1	< 1	0.0%															
Tb	9641058	9	10	10.5%															
Th	9641058	118	106	10.7%															
Ti	9641058	10400	9010	14.3%															
Tl	9641058	1.09	0.92	16.9%															
U	9641058	11	10	9.5%															
V	9641058	398	352	12.3%															
W	9641058	< 1	< 1	0.0%															
Y	9641058	333	369	10.3%															
Yb	9641058	21	23	9.1%															
Zn	9641058	653	617	5.7%															
Zr	9641058	450	391	14.0%															



AGAT Laboratories

Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

Parameter														



Method Summary

CLIENT NAME: MISC AGAT CLIENT ON
 PROJECT: Brandy Brook Mines
 SAMPLING SITE:

AGAT WORK ORDER: 18T399784
 ATTENTION TO: Robert Dillman
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al			ICP/MS
As			ICP/MS
Au			ICP/MS
Ba			ICP/MS
Bi			ICP-MS
Ca			ICP/MS
Cd			ICP-MS
Ce			ICP-MS
Co			ICP/MS
Cr			ICP/MS
Cs			ICP-MS
Cu			ICP/MS
Dy			ICP-MS
Er			ICP-MS
Eu			ICP-MS
Fe			ICP/MS
Ga			ICP-MS
Gd			ICP-MS
Hg			ICP/MS
In			ICP-MS
K			ICP/MS
La			ICP-MS
Li			ICP/MS
Mg			ICP/MS
Mn			ICP/MS
Mo			ICP/MS
Nb			ICP-MS
Nd			ICP-MS
Ni			ICP/MS
P			ICP/MS
Pb			ICP/MS
Pd			ICP/MS
Pr			ICP-MS
Pt			ICP/MS
Rb			ICP/MS
Sb			ICP-MS
Sc			ICP/OES
Se			ICP/MS
Sm			ICP-MS
Sn			ICP/MS
Sr			ICP-OES
Ta			ICP-MS
Tb			ICP-MS
Th			ICP-MS
Ti			ICP/MS
Tl			ICP-MS
U			ICP-MS



Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

ATTENTION TO: Robert Dillman

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
V			ICP/MS
W			ICP-MS
Y			ICP-MS
Yb			ICP-MS
Zn			ICP/MS
Zr			ICP-MS



CLIENT NAME: MISC AGAT CLIENT ON, ON

ATTENTION TO: Robert Dillman

PROJECT: Brandy Brook Mines

AGAT WORK ORDER: 18T399784

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Mar 25, 2019

PAGES (INCLUDING COVER): 37

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

***NOTES**

VERSION 2: Revised Reports issued on March/25/2019. Samples were dried and crushed and then proceeded with EDTA Cyanide Leach for Gold Analysis

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



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(200-) Sample Login Weight

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Mar 25, 2019

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
M-1 (9640958)		0.64
M-2 (9640959)		0.27
M-3 (9640960)		0.40
M-4 (9640961)		0.45
M-5 (9640962)		0.36
M-6 (9640963)		0.31
M-7 (9640964)		0.52
M-8 (9640965)		0.49
M-9 (9640966)		0.56
M-10 (9640967)		0.49
M-11 (9640968)		0.51
M-12 (9640969)		0.43
M-13 (9640970)		0.35
M-14 (9640971)		0.45
M-15 (9640972)		0.45
M-16 (9640973)		0.39
M-17 (9640974)		0.52
M-18 (9640975)		0.54
M-19 (9640976)		0.55
M-20 (9640977)		0.43
M-21 (9640978)		0.56
M-22 (9640979)		0.61
M-23 (9640980)		0.49
M-24 (9640981)		0.44
M-25 (9640982)		0.46
M-26 (9640983)		0.55
M-27 (9640984)		0.65
M-28 (9640985)		0.52
M-29 (9640986)		0.57
M-30 (9640987)		0.51
M-31 (9640988)		0.55

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(200-) Sample Login Weight

DATE SAMPLED: Oct 21, 2018 DATE RECEIVED: Oct 18, 2018 DATE REPORTED: Mar 25, 2019 SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
M-32 (9640989)		0.51
M-33 (9640990)		0.40
M-34 (9640991)		0.45
M-35 (9640992)		0.54
M-36 (9640993)		0.51
M-37 (9640994)		0.50
M-38 (9640995)		0.58
M-39 (9640996)		0.42
M-40 (9640997)		0.44
M-41 (9640998)		0.55
M-42 (9640999)		0.57
M-43 (9641000)		0.59
M-44 (9641001)		0.55
M-45 (9641002)		0.43
M-46 (9641003)		0.56
M-47 (9641004)		0.38
M-48 (9641005)		0.53
M-49 (9641006)		0.44
M-50 (9641007)		0.44
M-51 (9641008)		0.50
M-52 (9641009)		0.49
M-53 (9641010)		0.68
M-54 (9641011)		0.55
M-55 (9641012)		0.62
M-56 (9641013)		0.56
M-57 (9641014)		0.59
M-58 (9641015)		0.60
M-59 (9641016)		0.56
M-60 (9641017)		0.55
M-61 (9641018)		0.60
M-62 (9641019)		0.49

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(200-) Sample Login Weight

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Mar 25, 2019

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
M-63 (9641020)		0.68
M-64 (9641021)		0.65
M-65 (9641022)		0.66
M-66 (9641023)		0.60
M-67 (9641024)		0.47
M-68 (9641025)		0.70
M-69 (9641026)		0.67
M-70 (9641027)		0.70
M-71 (9641028)		0.75
M-72 (9641029)		0.72
M-73 (9641030)		0.61
M-74 (9641031)		0.76
M-75 (9641032)		0.52
M-76 (9641033)		0.81
M-77 (9641034)		0.76
M-78 (9641035)		0.72
M-79 (9641036)		0.80
M-80 (9641037)		0.82
M-81 (9641038)		0.50
M-82 (9641039)		0.64
M-83 (9641040)		0.52
M-84 (9641041)		0.73
M-85 (9641042)		0.65
M-86 (9641043)		0.68
M-87 (9641044)		0.69
M-88 (9641045)		0.67
M-89 (9641046)		0.89
M-90 (9641047)		0.86
M-91 (9641048)		0.71
M-92 (9641049)		0.58
M-93 (9641050)		0.85

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(200-) Sample Login Weight

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Mar 25, 2019

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
M-94 (9641051)		0.66
M-95 (9641052)		0.81
M-96 (9641053)		0.84
M-97 (9641054)		0.86
M-98 (9641055)		0.62
M-99 (9641056)		0.80
M-100 (9641057)		0.61
M-101 (9641058)		0.88
M-102 (9641059)		0.74

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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TEL (905)501-9998
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<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Mar 25, 2019

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppb 1	Al ppm 1	As ppb 10	Au ppb 0.1	Ba ppb 10	Bi ppb 1	Ca ppm 10	Cd ppb 1	Ce ppb 5	Co ppb 5	Cr ppb 30	Cs ppb 0.5	Cu ppb 10	Dy ppb 1
M-1 (9640958)		14	21	<10	<0.1	137	<1	464	4	28	6	<30	<0.5	384	19
M-2 (9640959)		3	263	<10	<0.1	230	<1	110	3	309	37	48	1.3	184	58
M-3 (9640960)		7	195	<10	<0.1	216	<1	189	6	346	37	47	0.7	291	67
M-4 (9640961)		5	396	12	<0.1	499	<1	142	7	385	39	126	6.9	191	56
M-5 (9640962)		7	33	<10	<0.1	130	<1	416	2	628	15	35	<0.5	470	174
M-6 (9640963)		10	295	<10	<0.1	160	<1	28	6	90	159	46	2.2	165	38
M-7 (9640964)		3	352	11	<0.1	480	<1	128	4	452	179	170	7.1	266	56
M-8 (9640965)		11	55	<10	<0.1	200	<1	399	11	337	32	45	<0.5	308	33
M-9 (9640966)		13	42	<10	<0.1	177	<1	427	18	308	101	46	<0.5	457	22
M-10 (9640967)		6	29	<10	<0.1	328	<1	472	3	87	10	<30	<0.5	452	44
M-11 (9640968)		4	561	16	<0.1	827	<1	38	3	224	100	246	13.5	163	30
M-12 (9640969)		3	457	11	<0.1	723	<1	63	5	241	47	157	7.7	128	26
M-13 (9640970)		5	392	<10	<0.1	293	<1	44	10	241	28	70	4.1	170	49
M-14 (9640971)		8	675	26	<0.1	949	1	135	12	291	73	326	18.8	407	51
M-15 (9640972)		45	17	<10	<0.1	213	<1	490	4	19	<5	<30	<0.5	677	12
M-16 (9640973)		13	114	<10	<0.1	118	<1	283	21	292	9	54	<0.5	343	88
M-17 (9640974)		7	154	<10	<0.1	169	<1	226	10	220	11	69	1.0	315	76
M-18 (9640975)		6	138	<10	<0.1	209	<1	271	7	558	20	61	<0.5	202	162
M-19 (9640976)		15	874	41	<0.1	1110	2	55	13	572	392	485	25.1	548	64
M-20 (9640977)		6	364	16	<0.1	591	1	187	25	506	111	246	9.8	397	62
M-21 (9640978)		12	35	<10	<0.1	212	<1	416	5	496	10	37	<0.5	450	38
M-22 (9640979)		8	550	14	<0.1	529	<1	42	7	156	87	185	10.8	180	26
M-23 (9640980)		13	16	<10	<0.1	263	<1	499	8	156	82	31	<0.5	916	21
M-24 (9640981)		18	44	<10	<0.1	247	<1	378	21	320	63	73	<0.5	1410	43
M-25 (9640982)		19	29	<10	<0.1	149	<1	430	14	57	18	32	<0.5	785	16
M-26 (9640983)		4	62	<10	<0.1	278	<1	371	6	737	26	63	<0.5	311	56
M-27 (9640984)		6	455	16	<0.1	426	1	22	9	134	163	189	9.1	237	35
M-28 (9640985)		4	356	<10	<0.1	171	<1	<10	8	34	21	64	2.5	145	8
M-29 (9640986)		7	680	24	<0.1	755	1	65	4	300	82	336	18.6	214	37
M-30 (9640987)		5	456	17	<0.1	551	<1	84	6	277	61	180	9.9	305	40
M-31 (9640988)		7	388	12	<0.1	559	<1	197	25	458	35	181	7.6	263	70
M-32 (9640989)		14	25	<10	<0.1	132	<1	461	12	115	43	48	<0.5	589	17

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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 ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Mar 25, 2019

SAMPLE TYPE: Other

Analyte:	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy
Unit:	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb
RDL:	1	1	10	0.1	10	1	10	1	5	5	30	0.5	10	1
M-33 (9640990)	10	276	<10	<0.1	336	<1	86	12	170	43	79	3.5	255	39
M-34 (9640991)	5	276	<10	<0.1	220	<1	59	32	232	37	47	1.4	598	51
M-35 (9640992)	22	35	<10	<0.1	129	<1	476	16	91	33	37	<0.5	814	26
M-36 (9640993)	11	87	<10	<0.1	169	<1	413	14	227	44	62	<0.5	449	35
M-37 (9640994)	11	101	<10	<0.1	154	<1	368	14	393	55	77	<0.5	496	58
M-38 (9640995)	21	34	<10	<0.1	238	<1	480	5	125	31	39	<0.5	790	23
M-39 (9640996)	16	23	<10	<0.1	155	<1	548	3	103	29	<30	<0.5	520	26
M-40 (9640997)	36	23	<10	<0.1	180	<1	478	4	92	15	33	<0.5	780	33
M-41 (9640998)	29	22	<10	<0.1	170	<1	504	4	40	21	<30	<0.5	654	21
M-42 (9640999)	22	63	<10	<0.1	138	<1	394	6	417	47	73	<0.5	417	54
M-43 (9641000)	9	186	<10	<0.1	196	<1	281	7	64	25	117	2.6	197	13
M-44 (9641001)	5	395	13	<0.1	530	<1	136	9	299	41	172	7.0	200	42
M-45 (9641002)	6	388	<10	<0.1	233	<1	21	8	54	51	95	3.8	199	11
M-46 (9641003)	17	12	<10	<0.1	210	<1	591	2	10	<5	<30	<0.5	751	14
M-47 (9641004)	5	264	<10	<0.1	144	<1	90	19	248	16	48	1.3	162	64
M-48 (9641005)	9	23	<10	<0.1	355	<1	459	4	30	11	<30	0.5	499	8
M-49 (9641006)	5	243	<10	<0.1	383	<1	213	8	302	52	115	3.2	389	54
M-50 (9641007)	7	399	<10	<0.1	278	<1	24	14	159	89	90	3.6	378	37
M-51 (9641008)	6	351	<10	<0.1	177	<1	49	16	137	58	83	3.6	399	34
M-52 (9641009)	7	394	<10	<0.1	221	1	18	18	103	91	106	3.7	301	26
M-53 (9641010)	17	312	<10	<0.1	265	<1	69	10	277	42	85	3.1	163	44
M-54 (9641011)	5	562	17	<0.1	651	<1	62	14	342	67	236	12.4	214	43
M-55 (9641012)	3	324	<10	<0.1	198	<1	28	16	194	46	72	3.0	265	60
M-56 (9641013)	7	498	14	<0.1	484	<1	39	18	276	83	217	10.7	268	42
M-57 (9641014)	5	384	<10	<0.1	356	<1	82	23	284	47	137	6.1	376	60
M-58 (9641015)	3	277	<10	<0.1	211	<1	58	30	200	39	69	2.8	346	72
M-59 (9641016)	3	209	<10	<0.1	138	<1	86	26	166	72	55	1.4	323	53
M-60 (9641017)	10	347	13	<0.1	427	<1	100	19	316	115	215	7.3	497	81
M-61 (9641018)	9	409	12	<0.1	497	<1	55	12	334	105	247	9.1	502	88
M-62 (9641019)	12	667	26	<0.1	969	2	84	18	315	381	505	24.0	577	43
M-63 (9641020)	10	564	35	<0.1	857	2	98	9	299	281	433	21.6	1570	24
M-64 (9641021)	8	189	<10	<0.1	382	<1	235	13	378	55	179	3.4	451	68

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Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Mar 25, 2019

SAMPLE TYPE: Other

Analyte:	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy
Unit:	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb
RDL:	1	1	10	0.1	10	1	10	1	5	5	30	0.5	10	1
M-65 (9641022)	4	329	<10	<0.1	379	<1	36	8	291	54	121	4.3	244	50
M-66 (9641023)	4	477	13	<0.1	534	<1	45	3	359	47	217	9.7	200	51
M-67 (9641024)	3	343	<10	<0.1	319	<1	16	9	88	32	59	1.8	107	27
M-68 (9641025)	5	359	12	<0.1	364	<1	131	8	216	36	152	6.4	238	31
M-69 (9641026)	3	171	<10	<0.1	488	<1	240	6	913	19	55	0.8	202	111
M-70 (9641027)	12	88	<10	<0.1	262	<1	373	8	113	8	77	0.6	383	31
M-71 (9641028)	33	14	<10	<0.1	207	<1	467	4	33	9	<30	<0.5	793	19
M-72 (9641029)	13	101	<10	<0.1	150	<1	422	8	148	25	75	<0.5	334	37
M-73 (9641030)	11	413	18	<0.1	372	<1	97	14	302	56	157	6.9	352	45
M-74 (9641031)	10	429	15	<0.1	401	1	85	9	213	57	206	8.6	220	33
M-75 (9641032)	3	105	<10	<0.1	163	<1	270	3	679	86	80	<0.5	358	149
M-76 (9641033)	11	451	11	<0.1	581	<1	109	10	464	59	262	11.2	434	127
M-77 (9641034)	12	36	<10	<0.1	364	<1	442	5	263	20	68	<0.5	611	40
M-78 (9641035)	4	304	<10	<0.1	242	<1	23	4	38	28	72	3.3	103	14
M-79 (9641036)	14	315	<10	<0.1	237	<1	25	8	151	23	73	2.6	150	41
M-80 (9641037)	7	448	10	<0.1	390	<1	23	8	180	51	179	8.7	188	31
M-81 (9641038)	6	413	11	<0.1	243	<1	15	13	54	43	115	4.7	183	21
M-82 (9641039)	9	290	<10	<0.1	53	<1	<10	3	20	57	34	0.9	75	5
M-83 (9641040)	5	373	<10	<0.1	162	<1	<10	4	50	22	74	2.4	80	9
M-84 (9641041)	6	426	12	<0.1	699	<1	178	8	473	54	267	10.5	517	90
M-85 (9641042)	12	111	<10	<0.1	237	<1	361	12	86	22	122	<0.5	357	35
M-86 (9641043)	10	334	14	<0.1	432	<1	136	29	233	82	128	5.0	366	82
M-87 (9641044)	12	398	21	<0.1	410	1	97	12	260	44	153	6.2	360	73
M-88 (9641045)	15	471	18	<0.1	579	<1	120	7	317	54	220	10.8	246	47
M-89 (9641046)	10	449	11	<0.1	393	<1	36	21	122	35	139	6.5	219	38
M-90 (9641047)	14	315	16	<0.1	296	<1	122	3	213	41	104	2.7	409	41
M-91 (9641048)	13	386	21	<0.1	357	1	109	6	243	74	167	5.7	367	48
M-92 (9641049)	11	408	<10	<0.1	211	<1	42	6	176	47	97	3.5	256	31
M-93 (9641050)	15	621	19	<0.1	517	1	26	13	234	87	284	14.0	354	47
M-94 (9641051)	11	105	<10	<0.1	164	<1	363	26	307	63	100	<0.5	561	39
M-95 (9641052)	28	80	<10	<0.1	165	<1	309	27	168	208	67	<0.5	1200	18
M-96 (9641053)	19	46	<10	<0.1	174	<1	536	9	99	29	48	<0.5	543	24

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Mar 25, 2019

SAMPLE TYPE: Other

Analyte:	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy
Unit:	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb
RDL:	1	1	10	0.1	10	1	10	1	5	5	30	0.5	10	1
M-97 (9641054)	12	169	<10	<0.1	157	<1	185	42	238	17	53	0.7	255	65
M-98 (9641055)	10	209	<10	<0.1	290	<1	166	36	309	87	113	1.7	443	84
M-99 (9641056)	8	396	<10	<0.1	289	<1	11	11	89	65	127	6.0	171	22
M-100 (9641057)	15	484	14	<0.1	361	<1	15	9	209	42	160	8.0	189	57
M-101 (9641058)	6	652	31	<0.1	562	1	55	10	322	103	329	17.1	359	53
M-102 (9641059)	16	20	<10	<0.1	93	<1	541	7	28	10	40	<0.5	692	12

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(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

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DATE REPORTED: Mar 25, 2019

SAMPLE TYPE: Other

Analyte:	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li	Mg	Mn	Mo	Nb
Unit:	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb
RDL:	0.5	0.5	1	1	1	1	0.5	0.1	1	5	1	10	5	0.5
M-1 (9640958)	11.3	3.8	5	<1	22	<1	<0.5	11.7	28	<5	131	393	<5	<0.5
M-2 (9640959)	31.9	11.4	107	10	59	<1	<0.5	11.9	134	15	23	535	<5	<0.5
M-3 (9640960)	38.6	14.7	81	7	74	<1	<0.5	9.5	167	9	37	1040	<5	<0.5
M-4 (9640961)	29.7	12.5	176	27	63	<1	<0.5	34.8	186	79	51	1590	<5	3.7
M-5 (9640962)	112	37.1	6	7	202	9	<0.5	2.3	331	11	73	766	<5	<0.5
M-6 (9640963)	24.2	3.8	185	10	20	<1	<0.5	13.2	35	20	12	4610	<5	<0.5
M-7 (9640964)	34.1	10.7	235	31	55	<1	<0.5	41.4	149	93	50	6950	<5	3.6
M-8 (9640965)	18.8	7.4	15	3	40	<1	<0.5	14.9	77	<5	95	3330	<5	<0.5
M-9 (9640966)	13.2	4.5	16	3	24	<1	<0.5	9.6	41	<5	92	7290	<5	<0.5
M-10 (9640967)	28.4	8.3	7	2	49	4	<0.5	8.0	80	9	103	540	<5	<0.5
M-11 (9640968)	15.4	6.2	445	50	30	<1	<0.5	59.5	88	184	58	3700	<5	13.3
M-12 (9640969)	12.7	6.5	237	31	29	<1	<0.5	38.6	98	100	38	1480	<5	4.8
M-13 (9640970)	24.8	10.0	119	20	49	<1	<0.5	28.5	74	52	22	825	<5	<0.5
M-14 (9640971)	28.8	9.8	421	69	50	<1	<0.5	97.1	140	276	98	2200	<5	17.6
M-15 (9640972)	7.1	2.7	3	<1	15	2	<0.5	14.0	17	64	118	85	<5	<0.5
M-16 (9640973)	57.9	14.0	70	4	79	<1	<0.5	15.7	147	<5	69	380	<5	<0.5
M-17 (9640974)	51.4	11.4	96	6	61	<1	<0.5	18.8	93	12	50	334	<5	<0.5
M-18 (9640975)	94.7	35.3	53	8	192	<1	<0.5	10.6	445	7	44	891	<5	<0.5
M-19 (9640976)	40.8	11.2	641	95	57	1	<0.5	93.2	223	339	106	9280	<5	30.5
M-20 (9640977)	39.1	12.1	316	41	59	<1	<0.5	49.1	175	144	76	7960	<5	6.6
M-21 (9640978)	22.3	8.3	10	4	46	2	<0.5	13.2	95	<5	106	1670	<5	<0.5
M-22 (9640979)	14.4	5.4	290	40	26	<1	<0.5	50.0	58	140	45	1570	<5	6.3
M-23 (9640980)	13.6	4.2	6	1	24	<1	<0.5	15.3	40	8	124	2750	<5	<0.5
M-24 (9640981)	28.2	9.3	48	4	51	<1	<0.5	11.1	141	8	108	2530	<5	<0.5
M-25 (9640982)	10.1	3.3	10	<1	19	<1	<0.5	15.7	21	<5	99	752	<5	<0.5
M-26 (9640983)	33.7	12.1	19	6	67	<1	<0.5	9.3	146	5	73	2360	<5	<0.5
M-27 (9640984)	19.8	4.3	305	42	23	<1	<0.5	36.0	63	105	32	3800	<5	9.4
M-28 (9640985)	6.4	1.0	148	14	4	<1	<0.5	15.8	15	29	9	393	<5	<0.5
M-29 (9640986)	18.3	9.1	425	75	42	<1	<0.5	71.0	132	254	75	1110	<5	19.4
M-30 (9640987)	22.4	8.6	246	40	44	<1	<0.5	50.3	124	143	48	1250	<5	7.0
M-31 (9640988)	35.7	16.5	187	34	82	<1	<0.5	42.9	247	120	53	962	<5	3.4
M-32 (9640989)	9.8	3.4	9	1	19	<1	<0.5	11.3	19	<5	92	3500	<5	<0.5

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PROJECT: Brandy Brook Mines

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Mar 25, 2019

SAMPLE TYPE: Other

Analyte:	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li	Mg	Mn	Mo	Nb
Unit:	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb
RDL:	0.5	0.5	1	1	1	1	0.5	0.1	1	5	1	10	5	0.5
M-33 (9640990)	21.9	6.5	112	16	34	<1	<0.5	32.5	57	44	26	2510	<5	<0.5
M-34 (9640991)	24.8	10.2	82	13	53	<1	<0.5	21.2	89	15	18	1160	<5	<0.5
M-35 (9640992)	16.0	5.3	10	1	30	<1	<0.5	7.7	43	<5	114	1160	<5	<0.5
M-36 (9640993)	21.7	7.5	22	3	41	<1	<0.5	22.2	94	5	88	1530	<5	<0.5
M-37 (9640994)	39.2	10.8	43	5	59	<1	<0.5	12.1	140	6	72	2490	<5	<0.5
M-38 (9640995)	14.1	4.9	12	2	27	<1	<0.5	15.5	41	11	115	916	<5	<0.5
M-39 (9640996)	16.9	5.5	5	1	32	1	<0.5	13.0	44	6	124	1060	<5	<0.5
M-40 (9640997)	19.2	7.3	6	1	41	2	<0.5	18.5	57	7	111	652	<5	<0.5
M-41 (9640998)	13.2	4.3	4	<1	25	4	<0.5	14.3	27	17	114	990	<5	<0.5
M-42 (9640999)	36.1	11.6	20	5	65	<1	<0.5	16.2	159	9	81	3850	<5	<0.5
M-43 (9641000)	7.7	2.4	101	13	12	<1	<0.5	84.5	30	41	41	554	<5	<0.5
M-44 (9641001)	24.4	10.0	183	32	49	<1	<0.5	49.5	169	122	49	1390	<5	3.9
M-45 (9641002)	7.7	1.4	170	21	7	<1	<0.5	28.4	22	57	17	367	<5	<0.5
M-46 (9641003)	8.5	2.7	2	<1	16	1	<0.5	11.2	16	47	149	104	<5	<0.5
M-47 (9641004)	34.8	11.1	97	10	59	<1	<0.5	6.6	88	16	24	362	<5	<0.5
M-48 (9641005)	3.4	2.7	5	<1	13	<1	<0.5	21.0	23	<5	108	182	<5	<0.5
M-49 (9641006)	28.4	13.3	115	18	67	<1	<0.5	21.1	189	48	62	925	<5	<0.5
M-50 (9641007)	19.6	6.6	115	20	33	<1	<0.5	23.5	45	46	18	867	<5	<0.5
M-51 (9641008)	17.8	5.9	126	21	29	<1	<0.5	29.1	46	52	19	815	<5	<0.5
M-52 (9641009)	14.0	4.5	142	24	22	<1	<0.5	21.0	37	51	14	1450	<5	<0.5
M-53 (9641010)	21.7	9.4	103	17	48	<1	<0.5	19.4	97	41	18	1310	<5	<0.5
M-54 (9641011)	20.6	10.6	246	50	51	<1	<0.5	59.2	166	186	48	1020	<5	10.5
M-55 (9641012)	30.7	9.4	120	16	51	<1	<0.5	18.5	61	42	16	770	<5	<0.5
M-56 (9641013)	21.3	9.2	246	43	46	<1	<0.5	55.4	97	150	41	2530	<5	5.4
M-57 (9641014)	31.1	11.3	162	30	58	<1	<0.5	41.8	103	90	34	1310	<5	<0.5
M-58 (9641015)	42.0	10.9	133	15	60	<1	<0.5	27.5	63	47	23	852	<5	<0.5
M-59 (9641016)	30.9	7.8	172	10	43	<1	<0.5	17.7	53	22	30	2540	<5	<0.5
M-60 (9641017)	52.9	10.1	356	32	55	<1	<0.5	38.9	117	121	52	4620	<5	<0.5
M-61 (9641018)	49.7	11.5	404	42	62	<1	<0.5	36.8	125	130	40	3720	<5	1.1
M-62 (9641019)	31.1	7.2	583	99	36	<1	<0.5	94.6	157	398	102	10400	<5	20.9
M-63 (9641020)	17.8	5.2	648	89	24	<1	<0.5	93.2	121	346	88	6980	10	23.0
M-64 (9641021)	45.3	13.6	154	17	71	<1	<0.5	29.5	198	59	66	3040	<5	<0.5

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ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

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SAMPLE TYPE: Other

Analyte:	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li	Mg	Mn	Mo	Nb
Unit:	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb
RDL:	0.5	0.5	1	1	1	1	0.5	0.1	1	5	1	10	5	0.5
M-65 (9641022)	25.4	10.4	207	23	52	<1	<0.5	24.2	101	64	19	1220	<5	<0.5
M-66 (9641023)	24.4	13.6	276	43	63	<1	<0.5	33.6	152	128	33	809	<5	5.2
M-67 (9641024)	13.8	4.3	115	10	22	<1	<0.5	11.2	30	20	6	659	<5	<0.5
M-68 (9641025)	15.6	6.9	160	32	34	<1	<0.5	33.6	87	92	32	649	<5	2.0
M-69 (9641026)	56.6	34.1	29	16	169	<1	<0.5	9.8	809	10	46	510	<5	<0.5
M-70 (9641027)	17.4	7.5	25	3	40	<1	<0.5	6.0	103	<5	78	452	<5	<0.5
M-71 (9641028)	9.3	5.1	2	<1	28	2	<0.5	13.1	36	28	111	184	<5	<0.5
M-72 (9641029)	24.7	7.1	24	3	37	<1	<0.5	15.0	77	<5	51	820	<5	<0.5
M-73 (9641030)	23.5	10.2	188	33	52	<1	<0.5	41.9	122	108	38	1700	<5	4.8
M-74 (9641031)	17.0	7.9	227	42	37	<1	<0.5	39.7	86	122	37	1850	<5	8.6
M-75 (9641032)	94.6	32.2	66	10	174	2	<0.5	7.4	393	6	49	3220	<5	<0.5
M-76 (9641033)	66.0	23.3	321	48	126	<1	<0.5	54.4	242	200	61	1600	<5	3.8
M-77 (9641034)	24.7	8.7	13	3	50	2	<0.5	11.5	104	15	108	707	<5	<0.5
M-78 (9641035)	16.7	0.9	175	16	5	<1	<0.5	28.9	19	45	13	167	<5	<0.5
M-79 (9641036)	18.7	7.7	130	16	38	<1	<0.5	27.6	50	27	10	472	<5	<0.5
M-80 (9641037)	13.9	7.1	211	42	34	<1	<0.5	42.1	63	110	26	1180	<5	5.2
M-81 (9641038)	14.9	2.1	174	25	10	<1	<0.5	22.3	22	71	17	556	<5	<0.5
M-82 (9641039)	8.4	<0.5	156	8	2	<1	<0.5	6.7	9	7	2	86	<5	<0.5
M-83 (9641040)	9.2	1.1	150	15	5	<1	<0.5	11.6	22	29	6	118	<5	<0.5
M-84 (9641041)	49.5	17.7	234	49	95	<1	<0.5	55.1	314	185	73	640	<5	6.8
M-85 (9641042)	21.9	6.9	78	3	38	<1	<0.5	6.6	95	<5	73	639	<5	<0.5
M-86 (9641043)	49.3	12.2	193	23	69	<1	<0.5	38.1	108	83	38	1410	<5	<0.5
M-87 (9641044)	38.9	11.8	204	32	63	<1	<0.5	47.1	103	95	33	745	<5	6.3
M-88 (9641045)	23.5	10.6	246	44	52	<1	<0.5	46.6	131	164	54	1330	<5	8.1
M-89 (9641046)	18.6	6.6	183	32	33	<1	<0.5	33.0	43	92	24	1690	<5	1.8
M-90 (9641047)	21.4	7.8	151	19	41	<1	<0.5	34.5	88	39	29	706	<5	<0.5
M-91 (9641048)	24.9	9.3	213	32	48	<1	<0.5	32.0	96	78	36	1320	<5	8.1
M-92 (9641049)	13.6	7.0	140	23	33	<1	<0.5	30.1	57	49	16	574	<5	<0.5
M-93 (9641050)	22.2	10.2	311	68	48	<1	<0.5	61.0	80	210	49	1760	<5	17.3
M-94 (9641051)	27.7	7.7	31	4	41	<1	<0.5	14.9	102	9	74	5090	<5	<0.5
M-95 (9641052)	15.4	3.9	93	3	20	<1	<0.5	16.1	67	9	66	12900	<5	<0.5
M-96 (9641053)	14.9	5.2	10	2	30	<1	<0.5	18.5	59	6	111	2000	<5	<0.5

Certified By:



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AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018	DATE RECEIVED: Oct 18, 2018					DATE REPORTED: Mar 25, 2019					SAMPLE TYPE: Other				
Analyte:	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li	Mg	Mn	Mo	Nb	
Unit:	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	
RDL:	0.5	0.5	1	1	1	1	0.5	0.1	1	5	1	10	5	0.5	
M-97 (9641054)	37.3	11.1	104	7	62	<1	<0.5	22.5	104	12	42	683	<5	<0.5	
M-98 (9641055)	57.4	11.4	139	11	63	<1	<0.5	25.0	118	33	45	4040	<5	<0.5	
M-99 (9641056)	31.3	1.9	258	30	9	<1	<0.5	30.7	43	75	16	564	<5	<0.5	
M-100 (9641057)	26.5	11.0	163	35	55	<1	<0.5	32.9	68	120	25	797	<5	6.8	
M-101 (9641058)	26.2	12.4	366	77	60	<1	<0.5	75.1	115	269	64	2140	<5	24.7	
M-102 (9641059)	6.7	2.9	7	<1	17	<1	<0.5	3.1	19	<5	79	748	<5	<0.5	

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Mar 25, 2019

SAMPLE TYPE: Other

Analyte:	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Se	Sm	Sn	Sr
Unit:	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
RDL:	1	5	0.1	10	1	1	1	5	1	5	2	1	1	10
M-1 (9640958)	56	133	<0.1	29	962	11	<1	8	<1	6	<2	15	<1	696
M-2 (9640959)	244	90	0.9	233	125	52	<1	52	<1	72	2	52	<1	155
M-3 (9640960)	315	125	0.3	226	268	64	<1	40	<1	127	2	67	<1	250
M-4 (9640961)	293	142	1.3	216	180	64	2	136	<1	135	<2	57	<1	215
M-5 (9640962)	627	228	<0.1	84	480	123	<1	15	<1	22	6	154	<1	397
M-6 (9640963)	57	115	2.4	166	5	13	<1	74	<1	37	<2	15	<1	49
M-7 (9640964)	215	207	1.4	191	160	50	6	158	<1	122	2	48	<1	163
M-8 (9640965)	132	273	0.2	36	478	28	<1	15	<1	9	3	32	<1	408
M-9 (9640966)	76	309	0.2	49	683	16	<1	32	<1	8	5	19	<1	537
M-10 (9640967)	133	185	0.2	42	884	26	<1	23	<1	13	7	32	<1	636
M-11 (9640968)	116	183	4.3	208	27	28	3	268	<1	129	4	27	<1	102
M-12 (9640969)	133	131	3.4	213	81	31	5	183	<1	90	3	28	<1	120
M-13 (9640970)	185	122	2.4	224	40	39	<1	96	<1	70	3	41	<1	82
M-14 (9640971)	202	261	3.5	352	258	46	9	357	<1	209	4	44	<1	234
M-15 (9640972)	37	192	<0.1	24	1000	7	<1	13	<1	<5	5	11	<1	775
M-16 (9640973)	242	395	0.1	114	296	53	<1	15	<1	40	6	59	<1	333
M-17 (9640974)	179	267	0.3	119	268	38	<1	43	<1	46	5	46	<1	262
M-18 (9640975)	755	251	0.4	217	336	165	<1	20	<1	75	10	162	<1	326
M-19 (9640976)	263	441	7.0	216	152	65	14	435	1	281	7	53	<1	167
M-20 (9640977)	238	296	3.4	166	219	57	7	204	<1	138	6	54	<1	238
M-21 (9640978)	157	196	<0.1	56	557	33	<1	17	<1	10	7	36	<1	417
M-22 (9640979)	101	160	2.5	304	30	22	4	198	<1	112	3	23	<1	99
M-23 (9640980)	72	291	0.1	65	925	14	<1	8	<1	7	8	17	<1	647
M-24 (9640981)	208	405	0.4	100	508	47	<1	26	<1	21	9	43	<1	392
M-25 (9640982)	49	237	0.4	45	778	9	<1	8	<1	7	14	13	<1	506
M-26 (9640983)	238	205	<0.1	56	503	52	<1	24	<1	17	12	55	<1	391
M-27 (9640984)	75	182	5.8	233	33	18	4	181	<1	104	9	18	<1	70
M-28 (9640985)	16	79	2.4	226	<1	4	<1	71	<1	35	9	4	<1	28
M-29 (9640986)	195	215	4.3	268	149	46	8	388	<1	191	10	40	<1	159
M-30 (9640987)	192	192	3.0	256	119	45	5	224	<1	126	9	39	<1	171
M-31 (9640988)	360	178	1.4	272	222	82	4	172	<1	168	8	76	<1	224
M-32 (9640989)	50	331	<0.1	30	878	9	<1	7	<1	7	12	14	<1	618

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Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Mar 25, 2019

SAMPLE TYPE: Other

Analyte:	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Se	Sm	Sn	Sr
Unit:	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
RDL:	1	5	0.1	10	1	1	1	5	1	5	2	1	1	10
M-33 (9640990)	111	172	2.2	346	174	23	1	110	<1	61	9	26	<1	167
M-34 (9640991)	192	217	2.8	242	132	40	<1	58	<1	49	9	44	<1	153
M-35 (9640992)	86	436	<0.1	68	727	17	<1	26	<1	8	12	23	<1	542
M-36 (9640993)	145	214	0.2	100	529	33	<1	25	<1	17	12	35	<1	392
M-37 (9640994)	208	341	<0.1	133	466	49	<1	28	<1	31	14	47	<1	395
M-38 (9640995)	78	240	0.2	42	920	16	<1	12	<1	10	15	21	<1	644
M-39 (9640996)	88	199	<0.1	63	1110	17	<1	10	<1	10	16	23	<1	713
M-40 (9640997)	116	229	<0.1	51	1090	22	<1	8	<1	11	15	30	<1	669
M-41 (9640998)	63	220	0.1	23	1140	12	<1	15	<1	10	18	18	<1	740
M-42 (9640999)	228	448	0.3	80	478	53	<1	36	<1	20	17	53	<1	349
M-43 (9641000)	41	134	1.7	155	258	9	<1	83	<1	49	16	10	<1	227
M-44 (9641001)	224	192	2.4	203	240	53	6	167	<1	154	13	45	<1	225
M-45 (9641002)	25	118	2.9	206	5	6	<1	96	<1	53	13	6	<1	62
M-46 (9641003)	37	115	<0.1	31	1540	7	<1	13	<1	6	16	10	<1	905
M-47 (9641004)	197	325	1.2	176	122	41	<1	46	<1	57	15	47	<1	165
M-48 (9641005)	44	66	0.1	<10	1640	9	<1	33	<1	7	13	11	<1	1020
M-49 (9641006)	280	195	1.6	198	298	63	1	113	<1	84	17	60	<1	251
M-50 (9641007)	112	150	3.8	419	63	23	4	93	<1	73	16	28	<1	83
M-51 (9641008)	105	151	3.9	328	61	22	<1	89	<1	70	15	24	<1	85
M-52 (9641009)	70	161	5.6	387	9	15	<1	108	<1	74	18	18	<1	50
M-53 (9641010)	187	153	3.8	221	131	41	<1	93	<1	72	16	41	<1	135
M-54 (9641011)	230	216	3.6	233	156	57	6	267	<1	142	16	47	<1	171
M-55 (9641012)	157	171	2.9	386	76	32	<1	94	<1	66	16	40	<1	83
M-56 (9641013)	182	219	5.3	320	107	40	4	233	<1	135	14	40	<1	110
M-57 (9641014)	207	250	3.1	328	133	45	<1	156	<1	104	18	48	<1	166
M-58 (9641015)	179	233	2.2	240	109	36	<1	74	<1	70	16	47	<1	122
M-59 (9641016)	125	217	1.8	429	136	26	<1	44	<1	48	14	33	<1	134
M-60 (9641017)	183	459	2.7	221	187	41	7	153	<1	133	16	42	<1	196
M-61 (9641018)	200	425	5.6	231	49	45	7	198	<1	166	19	48	<1	117
M-62 (9641019)	169	539	7.1	197	267	44	15	492	<1	304	20	33	<1	231
M-63 (9641020)	125	458	10.4	212	215	32	13	430	<1	245	24	24	<1	235
M-64 (9641021)	269	423	1.6	163	275	62	<1	91	<1	99	17	59	<1	266

Certified By:



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AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Mar 25, 2019

SAMPLE TYPE: Other

Analyte:	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Se	Sm	Sn	Sr
Unit:	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
RDL:	1	5	0.1	10	1	1	1	5	1	5	2	1	1	10
M-65 (9641022)	200	182	6.3	200	7	44	1	129	<1	83	17	46	<1	72
M-66 (9641023)	281	146	4.6	212	78	63	5	209	<1	145	18	61	<1	94
M-67 (9641024)	65	101	2.6	241	<1	13	<1	88	<1	38	17	17	<1	43
M-68 (9641025)	130	165	3.2	255	116	29	3	159	<1	89	15	29	<1	159
M-69 (9641026)	1000	127	0.2	77	443	243	<1	47	<1	115	19	171	<1	374
M-70 (9641027)	150	163	0.1	23	252	34	<1	34	<1	22	18	35	<1	240
M-71 (9641028)	73	224	<0.1	23	992	14	<1	18	<1	8	19	21	<1	610
M-72 (9641029)	121	141	0.3	118	514	26	<1	43	<1	36	21	29	<1	429
M-73 (9641030)	218	242	3.6	248	188	48	5	157	<1	129	18	45	<1	191
M-74 (9641031)	147	185	5.5	246	108	32	4	223	<1	132	19	33	<1	143
M-75 (9641032)	715	263	0.2	154	389	152	<1	30	<1	126	21	151	<1	328
M-76 (9641033)	430	455	3.5	183	205	94	9	256	<1	203	20	102	<1	199
M-77 (9641034)	159	348	<0.1	53	733	33	<1	24	<1	16	17	37	<1	461
M-78 (9641035)	18	118	1.9	58	<1	5	<1	89	<1	52	17	4	<1	59
M-79 (9641036)	119	145	4.3	202	8	24	<1	93	<1	54	18	30	<1	50
M-80 (9641037)	126	151	9.5	237	20	27	6	206	<1	104	21	31	<1	56
M-81 (9641038)	29	113	5.0	380	23	7	<1	132	<1	80	19	7	<1	47
M-82 (9641039)	9	70	1.8	77	<1	2	<1	59	<1	23	17	2	<1	<10
M-83 (9641040)	22	72	3.8	151	<1	6	<1	89	<1	45	21	5	<1	17
M-84 (9641041)	431	257	1.7	283	508	96	7	241	<1	211	20	81	<1	413
M-85 (9641042)	133	210	0.3	240	603	30	<1	37	<1	47	20	32	<1	426
M-86 (9641043)	231	311	1.2	336	219	47	2	125	<1	129	20	54	<1	228
M-87 (9641044)	211	225	2.2	324	162	44	1	141	<1	161	19	50	<1	176
M-88 (9641045)	232	217	2.7	269	267	51	4	214	<1	148	19	48	<1	254
M-89 (9641046)	100	179	4.6	268	37	20	2	130	<1	94	21	26	<1	84
M-90 (9641047)	156	180	1.7	328	210	34	<1	71	<1	115	18	33	<1	213
M-91 (9641048)	174	186	3.2	368	193	37	1	125	<1	128	21	39	<1	216
M-92 (9641049)	130	150	4.5	351	34	28	<1	82	<1	66	20	30	<1	67
M-93 (9641050)	167	244	6.9	409	34	35	5	313	<1	170	22	41	<1	91
M-94 (9641051)	156	393	0.3	116	426	35	<1	27	<1	29	19	35	<1	373
M-95 (9641052)	89	587	0.2	101	482	22	<1	24	<1	37	19	19	<1	440
M-96 (9641053)	100	270	0.2	55	877	21	<1	10	<1	12	20	24	<1	562

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Mar 25, 2019

SAMPLE TYPE: Other

Analyte:	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Se	Sm	Sn	Sr
Unit:	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
RDL:	1	5	0.1	10	1	1	1	5	1	5	2	1	1	10
M-97 (9641054)	201	350	0.5	236	238	42	<1	49	<1	48	20	47	<1	243
M-98 (9641055)	201	483	1.2	210	321	45	1	52	<1	82	20	48	<1	253
M-99 (9641056)	43	188	4.0	94	<1	11	3	151	8	101	21	9	<1	45
M-100 (9641057)	172	154	2.6	358	45	34	3	180	<1	122	21	45	<1	67
M-101 (9641058)	236	292	5.5	305	144	51	7	339	<1	209	19	53	<1	168
M-102 (9641059)	44	193	0.2	12	926	8	<1	28	<1	9	20	12	<1	607

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DATE SAMPLED: Oct 21, 2018

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DATE REPORTED: Mar 25, 2019

SAMPLE TYPE: Other

Analyte:	Ta	Tb	Th	Ti	Tl	U	V	W	Y	Yb	Zn	Zr
Unit:	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
RDL:	1	1	0.5	3	0.5	1	1	1	1	1	20	5
M-1 (9640958)	<1	3	25.1	12	<0.5	13	2	<1	88	9	195	8
M-2 (9640959)	<1	9	83.9	1750	<0.5	8	80	<1	290	26	307	107
M-3 (9640960)	<1	11	59.6	661	<0.5	13	26	<1	325	34	540	65
M-4 (9640961)	<1	9	103	4370	0.7	11	155	<1	271	24	189	208
M-5 (9640962)	<1	27	16.3	<3	<0.5	14	2	<1	840	98	86	12
M-6 (9640963)	<1	5	54.6	1570	<0.5	5	44	<1	175	19	388	72
M-7 (9640964)	<1	8	140	4470	0.6	17	168	<1	261	29	400	260
M-8 (9640965)	<1	5	29.3	31	<0.5	28	3	<1	147	15	323	24
M-9 (9640966)	<1	3	25.6	<3	<0.5	37	2	<1	102	10	448	15
M-10 (9640967)	<1	7	25.5	58	<0.5	10	4	<1	240	22	348	11
M-11 (9640968)	<1	5	121	7830	1.2	9	271	<1	135	13	471	347
M-12 (9640969)	<1	4	108	5370	0.7	7	157	<1	113	11	482	261
M-13 (9640970)	<1	8	68.0	2830	<0.5	6	89	<1	226	18	338	120
M-14 (9640971)	<1	8	167	9080	1.5	15	377	<1	255	25	1070	480
M-15 (9640972)	<1	2	9.5	<3	<0.5	19	2	<1	72	6	43	<5
M-16 (9640973)	<1	12	32.2	23	<0.5	123	2	<1	453	46	486	42
M-17 (9640974)	<1	11	41.2	335	<0.5	50	15	<1	370	40	571	56
M-18 (9640975)	<1	27	60.9	123	<0.5	9	9	<1	838	78	176	48
M-19 (9640976)	<1	9	309	11600	2.2	22	523	<1	303	37	938	716
M-20 (9640977)	<1	9	147	4840	0.8	44	205	<1	275	34	1170	340
M-21 (9640978)	<1	6	51.9	<3	<0.5	31	2	<1	183	17	240	20
M-22 (9640979)	<1	4	92.7	6310	0.9	6	192	<1	123	13	496	259
M-23 (9640980)	<1	3	29.9	<3	<0.5	8	8	<1	106	11	106	13
M-24 (9640981)	<1	7	79.5	77	<0.5	105	9	<1	226	24	251	69
M-25 (9640982)	<1	3	18.6	<3	<0.5	36	3	<1	87	8	83	12
M-26 (9640983)	<1	9	52.2	60	<0.5	18	4	<1	271	28	301	37
M-27 (9640984)	<1	5	108	7840	0.7	8	238	<1	170	16	830	257
M-28 (9640985)	<1	1	33.8	2080	<0.5	3	49	<1	40	6	392	74
M-29 (9640986)	<1	6	137	10100	1.4	11	401	<1	179	15	615	441
M-30 (9640987)	<1	7	108	6350	0.8	6	199	<1	209	19	419	281
M-31 (9640988)	<1	12	135	4750	0.7	14	173	<1	315	29	388	269
M-32 (9640989)	<1	3	28.0	25	<0.5	76	2	<1	81	8	67	16

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Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Mar 25, 2019

SAMPLE TYPE: Other

Analyte:	Ta	Tb	Th	Ti	Tl	U	V	W	Y	Yb	Zn	Zr
Unit:	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
RDL:	1	1	0.5	3	0.5	1	1	1	1	1	20	5
M-33 (9640990)	<1	6	83.7	2600	<0.5	7	62	<1	215	17	1180	112
M-34 (9640991)	<1	8	65.5	1440	<0.5	7	32	<1	265	19	1030	54
M-35 (9640992)	<1	4	17.3	<3	<0.5	78	2	<1	134	13	46	12
M-36 (9640993)	<1	6	44.6	73	<0.5	56	5	<1	182	19	288	50
M-37 (9640994)	<1	9	42.1	66	<0.5	100	4	<1	294	35	278	71
M-38 (9640995)	<1	4	25.5	<3	<0.5	50	1	<1	121	13	103	20
M-39 (9640996)	<1	4	24.4	<3	<0.5	26	2	<1	134	14	85	15
M-40 (9640997)	<1	5	20.8	<3	<0.5	28	1	<1	172	16	109	13
M-41 (9640998)	<1	3	18.1	<3	<0.5	25	2	<1	120	11	44	10
M-42 (9640999)	<1	9	38.3	17	<0.5	90	2	<1	316	31	30	34
M-43 (9641000)	<1	2	42.1	1920	<0.5	6	53	<1	67	6	477	75
M-44 (9641001)	<1	7	130	5530	0.6	8	171	<1	225	21	318	247
M-45 (9641002)	<1	1	48.5	3950	<0.5	3	95	<1	53	7	228	102
M-46 (9641003)	<1	2	18.0	<3	<0.5	4	4	<1	78	7	25	5
M-47 (9641004)	<1	10	55.3	640	<0.5	21	16	<1	338	27	36	45
M-48 (9641005)	<1	2	22.0	7	<0.5	3	4	<1	41	2	20	10
M-49 (9641006)	<1	9	93.2	2190	<0.5	7	61	<1	292	23	406	129
M-50 (9641007)	<1	6	76.1	2840	<0.5	4	65	<1	191	15	473	101
M-51 (9641008)	<1	5	53.0	3360	<0.5	4	80	<1	178	14	733	102
M-52 (9641009)	<1	4	57.4	4410	<0.5	6	81	<1	139	10	836	126
M-53 (9641010)	<1	7	68.5	2350	<0.5	6	52	<1	240	16	469	107
M-54 (9641011)	<1	8	102	8110	1.1	8	215	<1	223	16	495	321
M-55 (9641012)	<1	9	62.0	1980	<0.5	13	49	<1	314	23	499	83
M-56 (9641013)	<1	7	116	6800	0.8	9	189	<1	222	18	755	285
M-57 (9641014)	<1	10	95.6	4360	<0.5	11	118	<1	326	24	688	191
M-58 (9641015)	<1	11	65.6	1660	<0.5	9	48	<1	333	33	661	81
M-59 (9641016)	<1	8	64.1	843	<0.5	9	32	<1	313	24	771	64
M-60 (9641017)	<1	10	131	3760	0.5	26	147	<1	369	45	807	287
M-61 (9641018)	<1	12	144	4630	0.8	46	170	<1	390	41	1010	345
M-62 (9641019)	<1	6	167	9440	1.9	39	420	<1	252	29	1740	610
M-63 (9641020)	<1	4	143	8990	1.7	55	483	<1	127	16	808	548
M-64 (9641021)	<1	11	63.7	1770	<0.5	17	76	<1	342	39	925	161

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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TEL (905)501-9998
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Mar 25, 2019

SAMPLE TYPE: Other

Analyte:	Ta	Tb	Th	Ti	Tl	U	V	W	Y	Yb	Zn	Zr
Unit:	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
RDL:	1	1	0.5	3	0.5	1	1	1	1	1	20	5
M-65 (9641022)	<1	9	82.3	2390	<0.5	8	74	<1	265	20	501	155
M-66 (9641023)	<1	9	144	5950	0.9	11	159	<1	238	20	490	339
M-67 (9641024)	<1	4	48.7	1210	<0.5	4	25	<1	135	10	383	84
M-68 (9641025)	<1	5	92.3	5230	<0.5	9	130	<1	159	12	693	208
M-69 (9641026)	<1	22	76.5	850	<0.5	7	25	<1	548	46	48	68
M-70 (9641027)	<1	5	48.0	119	<0.5	9	5	<1	169	14	72	39
M-71 (9641028)	<1	4	15.9	<3	<0.5	36	1	<1	111	6	94	<5
M-72 (9641029)	<1	5	34.4	19	<0.5	27	2	<1	205	22	601	51
M-73 (9641030)	<1	8	103	6140	0.6	8	180	<1	265	19	836	241
M-74 (9641031)	<1	6	107	8700	0.6	10	187	<1	170	13	627	263
M-75 (9641032)	<1	25	51.5	125	<0.5	16	7	<1	710	84	129	49
M-76 (9641033)	<1	20	130	5660	0.8	69	178	<1	576	51	756	318
M-77 (9641034)	<1	7	43.8	53	<0.5	17	6	<1	222	20	362	27
M-78 (9641035)	<1	1	33.7	2050	<0.5	3	51	<1	69	15	240	82
M-79 (9641036)	<1	7	58.9	2120	<0.5	5	43	<1	204	13	185	111
M-80 (9641037)	<1	5	81.8	6660	0.6	8	148	<1	156	11	442	227
M-81 (9641038)	<1	3	59.1	4260	<0.5	6	104	<1	107	13	506	130
M-82 (9641039)	<1	<1	22.8	681	<0.5	6	18	<1	28	9	178	35
M-83 (9641040)	<1	1	46.0	1990	<0.5	7	41	<1	49	9	178	96
M-84 (9641041)	<1	14	122	6540	0.9	14	181	<1	439	40	652	294
M-85 (9641042)	<1	5	37.9	93	<0.5	15	4	<1	218	18	251	40
M-86 (9641043)	<1	12	98.6	3190	<0.5	11	125	<1	415	40	912	180
M-87 (9641044)	<1	11	129	6710	0.5	10	207	<1	334	30	772	263
M-88 (9641045)	<1	8	86.5	7460	0.9	9	228	<1	258	19	1090	268
M-89 (9641046)	<1	6	67.5	5910	<0.5	7	138	<1	198	14	897	163
M-90 (9641047)	<1	6	82.5	4800	<0.5	9	128	<1	248	17	382	180
M-91 (9641048)	<1	8	110	7950	<0.5	10	203	<1	268	20	384	269
M-92 (9641049)	<1	5	58.9	3660	<0.5	5	79	<1	156	10	270	113
M-93 (9641050)	<1	8	100	9340	1.1	10	310	<1	232	17	578	314
M-94 (9641051)	<1	6	51.9	156	<0.5	84	8	<1	241	23	519	71
M-95 (9641052)	<1	3	37.1	97	<0.5	107	9	<1	121	14	481	54
M-96 (9641053)	<1	4	31.7	<3	<0.5	39	2	<1	156	12	129	19

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

DATE SAMPLED: Oct 21, 2018	DATE RECEIVED: Oct 18, 2018						DATE REPORTED: Mar 25, 2019				SAMPLE TYPE: Other	
Analyte:	Ta	Tb	Th	Ti	Tl	U	V	W	Y	Yb	Zn	Zr
Unit:	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Sample ID (AGAT ID)	RDL:	1	1	0.5	3	0.5	1	1	1	1	1	5
M-97 (9641054)	<1	10	56.6	371	<0.5	24	12	<1	324	28	878	50
M-98 (9641055)	<1	11	76.1	1080	<0.5	51	47	<1	401	47	1190	119
M-99 (9641056)	<1	2	63.4	4880	<0.5	8	120	<1	116	31	501	172
M-100 (9641057)	<1	9	68.5	7280	0.6	7	166	<1	338	20	334	234
M-101 (9641058)	<1	9	118	10400	1.1	11	398	<1	333	21	653	450
M-102 (9641059)	<1	2	24.2	37	<0.5	17	3	<1	74	5	37	15

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish - Au, After Drying and Crushing

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Mar 25, 2019

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte:	Unit:	RDL:
	Au	ppb	0.1
M-1 (9640958)			<0.1
M-2 (9640959)			<0.1
M-3 (9640960)			<0.1
M-4 (9640961)			<0.1
M-5 (9640962)			<0.1
M-6 (9640963)			<0.1
M-7 (9640964)			<0.1
M-8 (9640965)			<0.1
M-9 (9640966)			<0.1
M-10 (9640967)			<0.1
M-11 (9640968)			<0.1
M-12 (9640969)			<0.1
M-13 (9640970)			<0.1
M-14 (9640971)			<0.1
M-15 (9640972)			<0.1
M-16 (9640973)			<0.1
M-17 (9640974)			<0.1
M-18 (9640975)			<0.1
M-19 (9640976)			<0.1
M-20 (9640977)			<0.1
M-21 (9640978)			<0.1
M-22 (9640979)			<0.1
M-23 (9640980)			<0.1
M-24 (9640981)			<0.1
M-25 (9640982)			<0.1
M-26 (9640983)			<0.1
M-27 (9640984)			<0.1
M-28 (9640985)			<0.1
M-29 (9640986)			<0.1
M-30 (9640987)			<0.1
M-31 (9640988)			<0.1
M-32 (9640989)			<0.1

Certified By:



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AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish - Au, After Drying and Crushing

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Mar 25, 2019

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte:	Unit:	RDL:
	Au	ppb	0.1
M-33 (9640990)			<0.1
M-34 (9640991)			<0.1
M-35 (9640992)			<0.1
M-36 (9640993)			<0.1
M-37 (9640994)			<0.1
M-38 (9640995)			<0.1
M-39 (9640996)			<0.1
M-40 (9640997)			<0.1
M-41 (9640998)			<0.1
M-42 (9640999)			<0.1
M-43 (9641000)			<0.1
M-44 (9641001)			<0.1
M-45 (9641002)			<0.1
M-46 (9641003)			<0.1
M-47 (9641004)			<0.1
M-48 (9641005)			<0.1
M-49 (9641006)			<0.1
M-50 (9641007)			<0.1
M-51 (9641008)			<0.1
M-52 (9641009)			<0.1
M-53 (9641010)			<0.1
M-54 (9641011)			<0.1
M-55 (9641012)			<0.1
M-56 (9641013)			<0.1
M-57 (9641014)			<0.1
M-58 (9641015)			<0.1
M-59 (9641016)			<0.1
M-60 (9641017)			<0.1
M-61 (9641018)			<0.1
M-62 (9641019)			<0.1
M-63 (9641020)			<0.1
M-64 (9641021)			<0.1

Certified By:



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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish - Au, After Drying and Crushing

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Mar 25, 2019

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte:	Unit:	RDL:
	Au	ppb	0.1
M-65 (9641022)			<0.1
M-66 (9641023)			<0.1
M-67 (9641024)			<0.1
M-68 (9641025)			<0.1
M-69 (9641026)			<0.1
M-70 (9641027)			0.1
M-71 (9641028)			<0.1
M-72 (9641029)			<0.1
M-73 (9641030)			<0.1
M-74 (9641031)			<0.1
M-75 (9641032)			<0.1
M-76 (9641033)			<0.1
M-77 (9641034)			<0.1
M-78 (9641035)			<0.1
M-79 (9641036)			<0.1
M-80 (9641037)			<0.1
M-81 (9641038)			<0.1
M-82 (9641039)			<0.1
M-83 (9641040)			<0.1
M-84 (9641041)			<0.1
M-85 (9641042)			<0.1
M-86 (9641043)			<0.1
M-87 (9641044)			<0.1
M-88 (9641045)			<0.1
M-89 (9641046)			<0.1
M-90 (9641047)			<0.1
M-91 (9641048)			<0.1
M-92 (9641049)			<0.1
M-93 (9641050)			<0.1
M-94 (9641051)			<0.1
M-95 (9641052)			<0.1
M-96 (9641053)			0.2

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish - Au, After Drying and Crushing

DATE SAMPLED: Oct 21, 2018

DATE RECEIVED: Oct 18, 2018

DATE REPORTED: Mar 25, 2019

SAMPLE TYPE: Other

Analyte:	Au
Unit:	ppb
RDL:	0.1
Sample ID (AGAT ID)	
M-97 (9641054)	<0.1
M-98 (9641055)	<0.1
M-99 (9641056)	<0.1
M-100 (9641057)	<0.1
M-101 (9641058)	<0.1
M-102 (9641059)	<0.1

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9640969	3	3	0.0%	9640974	15	14	6.9%	9640981	18	14	25.0%	9640983	18	18	0.0%
Al	9640969	457	518	12.5%	9640974	154	132	15.4%	9640981	44	51	14.7%	9640983	62	47	27.5%
As	9640969	23	23	0.0%	9640974	< 10	< 10	0.0%	9640981	< 10	< 10	0.0%	9640983	< 10	< 10	0.0%
Au	9640969	< 0.1	< 0.1	0.0%	9640974	< 0.1	< 0.1	0.0%	9640981	< 0.1	< 0.1	0.0%	9640983	< 0.1	< 0.1	0.0%
Ba	9640969	723	900	21.8%	9640974	169	168	0.6%	9640981	247	295	17.7%	9640983	278	220	23.3%
Bi	9640969	< 1	< 1	0.0%	9640974	< 1	< 1	0.0%	9640981	< 1	< 1	0.0%	9640983	< 1	< 1	0.0%
Ca	9640969	63	75	17.4%	9640974	226	261	14.4%	9640981	378	365	3.5%	9640983	371	400	7.5%
Cd	9640969	5	5	0.0%	9640974	31	27	13.8%	9640981	21	23	9.1%	9640983	21	21	0.0%
Ce	9640969	241	260	7.6%	9640974	220	200	9.5%	9640981	320	361	12.0%	9640983	593	569	4.1%
Co	9640969	47	56	17.5%	9640974	40	35	13.3%	9640981	63	55	13.6%	9640983	26	27	3.8%
Cr	9640969	157	189	18.5%	9640974	116	131	12.1%	9640981	73	84	14.0%	9640983	63	58	8.3%
Cs	9640969	7.7	9.2	17.8%	9640974	< 0.5	< 0.5	0.0%	9640981	< 0.5	< 0.5	0.0%	9640983	< 0.5	< 0.5	0.0%
Cu	9640969	128	160	22.2%	9640974	818	860	5.0%	9640981	1410	1090	25.6%	9640983	311	373	18.1%
Dy	9640969	26	25	3.9%	9640974	221	203	8.5%	9640981	43	48	11.0%	9640983	56	57	1.8%
Er	9640969	12.7	12.8	0.8%	9640974	150	132	12.8%	9640981	28.2	31.8	12.0%	9640983	33.7	35.7	5.8%
Eu	9640969	6.52	6.79	4.1%	9640974	11.4	10.62	7.1%	9640981	9.33	10.4	10.8%	9640983	12.1	11.8	2.5%
Fe	9640969	237	297	22.5%	9640974	95	87	8.8%	9640981	48	57	17.1%	9640983	16	16	0.0%
Ga	9640969	31	37	17.6%	9640974	10	10	0.0%	9640981	4	4	0.0%	9640983	6	7	15.4%
Gd	9640969	29	31	6.7%	9640974	61	49	21.8%	9640981	51	55	7.5%	9640983	67	68	1.5%
Hg	9640969	< 1	< 1	0.0%	9640974	< 1	< 1	0.0%	9640981	< 1	< 1	0.0%	9640983	< 1	< 1	0.0%
In	9640969	< 0.5	< 0.5	0.0%	9640974	< 0.5	< 0.5	0.0%	9640981	< 0.5	< 0.5	0.0%	9640983	< 0.5	< 0.5	0.0%
K	9640969	38.6	51.0	27.7%	9640974	18.8	16.7	11.8%	9640981	11.1	11.0	0.9%	9640983	9.3	10.3	10.2%
La	9640969	98	111	12.4%	9640974	93	86	7.8%	9640981	141	157	10.7%	9640983	146	135	7.8%
Li	9640969	100	125	22.2%	9640974	< 5	< 5	0.0%	9640981	8	9	11.8%	9640983	< 5	< 5	0.0%
Mg	9640969	38	44	14.6%	9640974	50	63	23.0%	9640981	108	103	4.7%	9640983	73	81	10.4%
Mn	9640969	1480	1580	6.5%	9640974	1160	1040	10.9%	9640981	2530	2270	10.8%	9640983	2360	1820	25.8%
Mo	9640969	< 5	< 5	0.0%	9640974	< 5	< 5	0.0%	9640981	< 5	< 5	0.0%	9640983	< 5	< 5	0.0%
Nb	9640969	14.4	13.2	8.7%	9640974	< 0.5	< 0.5	0.0%	9640981	< 0.5	< 0.5	0.0%	9640983	< 0.5	< 0.5	0.0%
Nd	9640969	133	143	7.2%	9640974	179	163	9.4%	9640981	208	229	9.6%	9640983	238	214	10.6%
Ni	9640969	131	161	20.5%	9640974	495	493	0.4%	9640981	405	443	9.0%	9640983	721	753	4.3%
P	9640969	5.66	5.63	0.5%	9640974	0.3	0.3	0.0%	9640981	0.40	0.34	16.2%	9640983	0.2	0.2	0.0%



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Pb	9640969	213	219	2.8%	9640974	305	285	6.8%	9640981	100	123	20.6%	9640983	56	48	15.4%
Pd	9640969	308	300	2.6%	9640974	268	297	10.3%	9640981	508	512	0.8%	9640983	503	610	19.2%
Pr	9640969	31	35	12.1%	9640974	38	35	8.2%	9640981	47	52	10.1%	9640983	52	45	14.4%
Pt	9640969	5	5	0.0%	9640974	< 1	< 1	0.0%	9640981	< 1	< 1	0.0%	9640983	< 1	< 1	0.0%
Rb	9640969	183	218	17.5%	9640974	43	36	17.7%	9640981	26	32	20.7%	9640983	28	28	0.0%
Sb	9640969	< 1	< 1	0.0%	9640974	< 1	< 1	0.0%	9640981	< 1	< 1	0.0%	9640983	< 1	< 1	0.0%
Sc	9640969	90	105	15.4%	9640974	180	171	5.1%	9640981	21	26	21.3%	9640983	17	14	19.4%
Se	9640969	18	20	10.5%	9640974	5	6	18.2%	9640981	9	10	10.5%	9640983	12	10	18.2%
Sm	9640969	28	30	6.9%	9640974	46	41	11.5%	9640981	43	48	11.0%	9640983	55	50	9.5%
Sn	9640969	< 1	< 1	0.0%	9640974	< 1	< 1	0.0%	9640981	< 1	< 1	0.0%	9640983	< 1	< 1	0.0%
Sr	9640969	120	131	8.8%	9640974	262	305	15.2%	9640981	392	391	0.3%	9640983	391	423	7.9%
Ta	9640969	< 1	< 1	0.0%	9640974	< 1	< 1	0.0%	9640981	< 1	< 1	0.0%	9640983	< 1	< 1	0.0%
Tb	9640969	4	5	22.2%	9640974	33	32	3.1%	9640981	7	8	13.3%	9640983	9	9	0.0%
Th	9640969	108	132	20.0%	9640974	41.2	34.2	18.6%	9640981	79.5	72.8	8.8%	9640983	52.2	45.0	14.8%
Ti	9640969	5370	6460	18.4%	9640974	86	118		9640981	77	94	19.9%	9640983	9	8	11.8%
Tl	9640969	0.7	0.9	25.0%	9640974	< 0.5	< 0.5	0.0%	9640981	< 0.5	< 0.5	0.0%	9640983	< 0.5	< 0.5	0.0%
U	9640969	7	9	25.0%	9640974	194	188	3.1%	9640981	105	114	8.2%	9640983	18	18	0.0%
V	9640969	157	183	15.3%	9640974	5	5	0.0%	9640981	9	11	20.0%	9640983	2	3	
W	9640969	< 1	< 1	0.0%	9640974	< 1	< 1	0.0%	9640981	< 1	< 1	0.0%	9640983	< 1	< 1	0.0%
Y	9640969	113	116	2.6%	9640974	1150	996	14.4%	9640981	226	249	9.7%	9640983	271	291	7.1%
Yb	9640969	11	11	0.0%	9640974	124	109	12.9%	9640981	24	27	11.8%	9640983	28	28	0.0%
Zn	9640969	482	547	12.6%	9640974	831	740	11.6%	9640981	251	302	18.4%	9640983	301	268	11.6%
Zr	9640969	261	305	15.5%	9640974	56	46	19.6%	9640981	69	77	11.0%	9640983	108	110	1.8%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9640993	22	20	9.5%	9641005	9	10	10.5%	9641008	6	7	15.4%	9641017	16	26	
Al	9640993	87	74	16.1%	9641005	23	22	4.4%	9641008	351	368	4.7%	9641017	347	296	15.9%
As	9640993	< 10	< 10	0.0%	9641005	< 10	< 10	0.0%	9641008	< 10	< 10	0.0%	9641017	11	12	8.7%
Au	9640993	< 0.1	< 0.1	0.0%	9641005	< 0.1	< 0.1	0.0%	9641008	< 0.1	< 0.1	0.0%	9641017	< 0.1	< 0.1	0.0%
Ba	9640993	169	142	17.4%	9641005	355	381	7.1%	9641008	177	229	25.6%	9641017	427	383	10.9%
Bi	9640993	< 1	< 1	0.0%	9641005	< 1	< 1	0.0%	9641008	< 1	< 1	0.0%	9641017	< 1	< 1	0.0%
Ca	9640993	413	431	4.3%	9641005	459	466	1.5%	9641008	49	55	11.5%	9641017	100	111	10.4%
Cd	9640993	37	34	8.5%	9641005	4	3	28.6%	9641008	16	16	0.0%	9641017	72	92	24.4%
Ce	9640993	227	193	16.2%	9641005	30	30	0.0%	9641008	137	157	13.6%	9641017	316	355	11.6%



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Co	9640993	83	75	10.1%	9641005	11	10	9.5%	9641008	58	61	5.0%	9641017	115	101	13.0%
Cr	9640993	94	91	3.2%	9641005	< 30	< 30	0.0%	9641008	83	99	17.6%	9641017	215	185	15.0%
Cs	9640993	< 0.5	< 0.5	0.0%	9641005	0.55	0.58	5.3%	9641008	3.60	4.49	22.0%	9641017	7.28	6.22	15.7%
Cu	9640993	449	417	7.4%	9641005	499	518	3.7%	9641008	399	418	4.7%	9641017	497	435	13.3%
Dy	9640993	35	30	15.4%	9641005	8	8	0.0%	9641008	34	34	0.0%	9641017	177	187	5.5%
Er	9640993	21.7	17.8	19.7%	9641005	3.4	3.5	2.9%	9641008	17.8	18.1	1.7%	9641017	120	130	8.0%
Eu	9640993	7.52	6.42	15.8%	9641005	2.67	2.61	2.3%	9641008	5.9	6.2	5.0%	9641017	10.1	10.8	6.7%
Fe	9640993	22	18	20.0%	9641005	5	5	0.0%	9641008	126	140	10.5%	9641017	356	299	17.4%
Ga	9640993	5	4	22.2%	9641005	< 1	< 1	0.0%	9641008	21	24	13.3%	9641017	32	28	13.3%
Gd	9640993	41	34	18.7%	9641005	13	13	0.0%	9641008	29	31	6.7%	9641017	55	55	0.0%
Hg	9640993	< 1	< 1	0.0%	9641005	< 1	< 1	0.0%	9641008	< 1	< 1	0.0%	9641017	< 1	< 1	0.0%
In	9640993	< 0.5	< 0.5	0.0%	9641005	< 0.5	< 0.5	0.0%	9641008	< 0.5	< 0.5	0.0%	9641017	< 0.5	< 0.5	0.0%
K	9640993	22.8	22.3	2.2%	9641005	21.0	21.6	2.8%	9641008	29.1	33.1	12.9%	9641017	38.9	33.5	14.9%
La	9640993	94	83	12.4%	9641005	23	22	4.4%	9641008	46	56	19.6%	9641017	117	142	19.3%
Li	9640993	5	5	0.0%	9641005	< 5	< 5	0.0%	9641008	52	64	20.7%	9641017	121	107	12.3%
Mg	9640993	88	94	6.6%	9641005	108	109	0.9%	9641008	19	23	19.0%	9641017	52	46	12.2%
Mn	9640993	3670	3400	7.6%	9641005	182	166	9.2%	9641008	815	901	10.0%	9641017	4620	4300	7.2%
Mo	9640993	< 5	< 5	0.0%	9641005	< 5	< 5	0.0%	9641008	< 5	< 5	0.0%	9641017	< 5	< 5	0.0%
Nb	9640993	< 0.5	< 0.5	0.0%	9641005	< 0.5	< 0.5	0.0%	9641008	< 0.5	< 0.5	0.0%	9641017	< 0.5	< 0.5	0.0%
Nd	9640993	145	124	15.6%	9641005	44	43	2.3%	9641008	105	113	7.3%	9641017	183	217	17.0%
Ni	9640993	214	202	5.8%	9641005	66	71	7.3%	9641008	151	146	3.4%	9641017	586	645	9.6%
P	9640993	0.4	0.4	0.0%	9641005	0.15	0.18	18.2%	9641008	3.92	4.32	9.7%	9641017	2.23	2.28	2.2%
Pb	9640993	255	236	7.7%	9641005	63	65	3.1%	9641008	328	320	2.5%	9641017	221	197	11.5%
Pd	9640993	529	624	16.5%	9641005	1640	1790	8.7%	9641008	61	55	10.3%	9641017	257	381	
Pr	9640993	33	27	20.0%	9641005	9	8	11.8%	9641008	22	25	12.8%	9641017	41	49	17.8%
Pt	9640993	< 1	< 1	0.0%	9641005	< 1	< 1	0.0%	9641008	< 1	< 1	0.0%	9641017	7	6	15.4%
Rb	9640993	19	19	0.0%	9641005	33	34	3.0%	9641008	89	103	14.6%	9641017	153	132	14.7%
Sb	9640993	< 1	< 1	0.0%	9641005	< 1	< 1	0.0%	9641008	< 1	< 1	0.0%	9641017	< 1	< 1	0.0%
Sc	9640993	50	45	10.5%	9641005	7	7	0.0%	9641008	70	78	10.8%	9641017	133	117	12.8%
Se	9640993	12	13	8.0%	9641005	13	16	20.7%	9641008	15	15	0.0%	9641017	16	16	0.0%
Sm	9640993	35	29	18.8%	9641005	11	11	0.0%	9641008	24	26	8.0%	9641017	42	50	17.4%
Sn	9640993	< 1	< 1	0.0%	9641005	< 1	< 1	0.0%	9641008	< 1	< 1	0.0%	9641017	< 1	< 1	0.0%
Sr	9640993	392	447	13.1%	9641005	1020	1060	3.8%	9641008	85	95	11.1%	9641017	196	164	17.8%
Ta	9640993	< 1	< 1	0.0%	9641005	< 1	< 1	0.0%	9641008	< 1	< 1	0.0%	9641017	< 1	< 1	0.0%



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Tb	9640993	16	15	6.5%	9641005	2	2	0.0%	9641008	5	5	0.0%	9641017	10	8	22.2%
Th	9640993	90.3	86.6	4.2%	9641005	22.0	20.0	9.5%	9641008	53.0	61.4	14.7%	9641017	131	136	3.7%
Ti	9640993	21	18	15.4%	9641005	7	7	0.0%	9641008	3360	4100	19.8%	9641017	3760	3150	17.7%
Tl	9640993	< 0.5	< 0.5	0.0%	9641005	< 0.5	< 0.5	0.0%	9641008	< 0.5	< 0.5	0.0%	9641017	0.5	0.5	0.0%
U	9640993	151	135	11.2%	9641005	3	3	0.0%	9641008	4	5	22.2%	9641017	104	108	3.8%
V	9640993	4	4	0.0%	9641005	4	4	0.0%	9641008	80	97	19.2%	9641017	147	126	15.4%
W	9640993	< 1	< 1	0.0%	9641005	< 1	< 1	0.0%	9641008	< 1	< 1	0.0%	9641017	< 1	< 1	0.0%
Y	9640993	182	163	11.0%	9641005	41	41	0.0%	9641008	178	177	0.6%	9641017	369	306	18.7%
Yb	9640993	55	53	3.7%	9641005	2	2	0.0%	9641008	14	14	0.0%	9641017	113	116	2.6%
Zn	9640993	209	187	11.1%	9641005	20	19	5.1%	9641008	733	686	6.6%	9641017	807	671	18.4%
Zr	9640993	165	155	6.3%	9641005	10	10	0.0%	9641008	102	124	19.5%	9641017	287	263	8.7%

Parameter	REPLICATE #9				REPLICATE #10				REPLICATE #11				REPLICATE #12			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9641029	20	26	26.1%	9641033	11	12	8.7%	9641041	6	6	0.0%	9641053	19	16	17.1%
Al	9641029	101	92	9.3%	9641033	158	161	1.9%	9641041	426	377	12.2%	9641053	73	76	4.0%
As	9641029	< 10	< 10	0.0%	9641033	< 10	< 10	0.0%	9641041	< 10	< 10	0.0%	9641053	< 10	< 10	0.0%
Au	9641029	< 0.1	< 0.1	0.0%	9641033	< 0.1	< 0.1	0.0%	9641041	< 0.1	< 0.1	0.0%	9641053	< 0.1	< 0.1	0.0%
Ba	9641029	150	170	12.5%	9641033	581	710	20.0%	9641041	437	387	12.1%	9641053	174	157	10.3%
Bi	9641029	< 1	< 1	0.0%	9641033	< 1	< 1	0.0%	9641041	< 1	< 1	0.0%	9641053	< 1	< 1	0.0%
Ca	9641029	422	415	1.7%	9641033	109	102	6.6%	9641041	169	179	5.7%	9641053	536	478	11.4%
Cd	9641029	8	8	0.0%	9641033	10	12	18.2%	9641041	24	24	0.0%	9641053	26	26	0.0%
Ce	9641029	148	152	2.7%	9641033	464	402	14.3%	9641041	473	389	19.5%	9641053	99	123	21.6%
Co	9641029	25	19	27.3%	9641033	44	41	7.1%	9641041	69	66	4.4%	9641053	29	23	23.1%
Cr	9641029	75	75	0.0%	9641033	97	90	7.5%	9641041	71	73	2.8%	9641053	48	59	20.6%
Cs	9641029	< 0.5	< 0.5	0.0%	9641033	11.2	13.3	17.1%	9641041	< 0.5	< 0.5	0.0%	9641053	< 0.5	< 0.5	0.0%
Cu	9641029	334	353	5.5%	9641033	434	500	14.1%	9641041	517	510	1.4%	9641053	1130	1130	0.0%
Dy	9641029	37	42	12.7%	9641033	127	143	11.9%	9641041	90	88	2.2%	9641053	54	52	3.8%
Er	9641029	24.7	29.0	16.0%	9641033	184	164	11.5%	9641041	49.5	47.3	4.5%	9641053	29.6	28.7	3.1%
Eu	9641029	7.13	8.00	11.5%	9641033	23.3	19.3	18.8%	9641041	17.7	16.7	5.8%	9641053	14.3	12.7	11.9%
Fe	9641029	24	24	0.0%	9641033	155	138	11.6%	9641041	234	194	18.7%	9641053	22	22	0.0%
Ga	9641029	3	3	0.0%	9641033	48	53	9.9%	9641041	15	15	0.0%	9641053	2	2	0.0%
Gd	9641029	37	43	15.0%	9641033	126	119	5.7%	9641041	95	88	7.7%	9641053	30	36	18.2%
Hg	9641029	< 1	< 1	0.0%	9641033	< 1	< 1	0.0%	9641041	< 1	< 1	0.0%	9641053	< 1	< 1	0.0%
In	9641029	< 0.5	< 0.5	0.0%	9641033	< 0.5	< 0.5	0.0%	9641041	< 0.5	< 0.5	0.0%	9641053	< 0.5	< 0.5	0.0%



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K	9641029	15.0	14.8	1.3%	9641033	54.4	64	16.2%	9641041	15.3	15.5	1.3%	9641053	18.5	17.0	8.5%
La	9641029	77	85	9.9%	9641033	242	210	14.2%	9641041	314	276	12.9%	9641053	129	117	9.8%
Li	9641029	< 5	< 5	0.0%	9641033	8	9	11.8%	9641041	< 5	< 5	0.0%	9641053	6	5	18.2%
Mg	9641029	51	53	3.8%	9641033	79	81	2.5%	9641041	36	37	2.7%	9641053	111	98	12.4%
Mn	9641029	820	752	8.7%	9641033	1600	1770	10.1%	9641041	640	544	16.2%	9641053	2000	2370	16.9%
Mo	9641029	< 5	< 5	0.0%	9641033	< 5	< 5	0.0%	9641041	< 5	< 5	0.0%	9641053	< 5	< 5	0.0%
Nb	9641029	< 0.5	< 0.5	0.0%	9641033	< 0.5	< 0.5	0.0%	9641041	< 0.5	< 0.5	0.0%	9641053	< 0.5	< 0.5	0.0%
Nd	9641029	121	134	10.2%	9641033	430	373	14.2%	9641041	431	369	15.5%	9641053	237	213	10.7%
Ni	9641029	141	152	7.5%	9641033	1220	1090	11.3%	9641041	257	226	12.8%	9641053	270	325	18.5%
P	9641029	0.34	0.38	11.1%	9641033	0.3	0.3	0.0%	9641041	1.7	1.5	12.5%	9641053	0.1	0.1	0.0%
Pb	9641029	118	129	8.9%	9641033	183	209	13.3%	9641041	283	326	14.1%	9641053	138	141	2.2%
Pd	9641029	514	482	6.4%	9641033	565	575	1.8%	9641041	508	421	18.7%	9641053	877	741	16.8%
Pr	9641029	26	28	7.4%	9641033	94	89	5.5%	9641041	96	82	15.7%	9641053	50	45	10.5%
Pt	9641029	< 1	< 1	0.0%	9641033	9	11	20.0%	9641041	9	14		9641053	< 1	< 1	0.0%
Rb	9641029	43	40	7.2%	9641033	256	303	16.8%	9641041	63	62	1.6%	9641053	10	12	18.2%
Sb	9641029	< 1	< 1	0.0%	9641033	< 1	< 1	0.0%	9641041	< 1	< 1	0.0%	9641053	< 1	< 1	0.0%
Sc	9641029	36	42	15.4%	9641033	274	250	9.2%	9641041	211	185	13.1%	9641053	23	23	0.0%
Se	9641029	21	20	4.9%	9641033	20	21	4.9%	9641041	20	19	5.1%	9641053	20	22	9.5%
Sm	9641029	29	33	12.9%	9641033	102	89	13.6%	9641041	81	73	10.4%	9641053	24	28	15.4%
Sn	9641029	< 1	< 1	0.0%	9641033	< 1	< 1	0.0%	9641041	< 1	< 1	0.0%	9641053	< 1	< 1	0.0%
Sr	9641029	429	367	15.6%	9641033	199	239	18.3%	9641041	413	355	15.1%	9641053	562	499	11.9%
Ta	9641029	< 1	< 1	0.0%	9641033	< 1	< 1	0.0%	9641041	< 1	< 1	0.0%	9641053	< 1	< 1	0.0%
Tb	9641029	5	6	18.2%	9641033	20	22	9.5%	9641041	14	14	0.0%	9641053	10	10	0.0%
Th	9641029	34.4	29.5	15.3%	9641033	130	141	8.1%	9641041	122	105	15.0%	9641053	31.7	27.2	15.3%
Ti	9641029	17	23		9641033	5660	6700	16.8%	9641041	400	377	5.9%	9641053	< 3	< 3	0.0%
Tl	9641029	< 0.5	< 0.5	0.0%	9641033	< 0.5	< 0.5	0.0%	9641041	< 0.5	< 0.5	0.0%	9641053	< 0.5	< 0.5	0.0%
U	9641029	27	26	3.8%	9641033	69	58	17.3%	9641041	14	14	0.0%	9641053	96	97	1.0%
V	9641029	2	2	0.0%	9641033	1	1	0.0%	9641041	15	14	6.9%	9641053	2	2	0.0%
W	9641029	< 1	< 1	0.0%	9641033	< 1	< 1	0.0%	9641041	< 1	< 1	0.0%	9641053	< 1	< 1	0.0%
Y	9641029	205	242	16.6%	9641033	576	655	12.8%	9641041	439	435	0.9%	9641053	340	336	1.2%
Yb	9641029	22	24	8.7%	9641033	51	60	16.2%	9641041	40	37	7.8%	9641053	23	22	4.4%
Zn	9641029	601	627	4.2%	9641033	756	920	19.6%	9641041	652	674	3.3%	9641053	225	249	10.1%
Zr	9641029	51	50	2.0%	9641033	217	214	1.4%	9641041	488	507	3.8%	9641053	49	49	0.0%



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

Parameter	REPLICATE #13				RPD													
	Sample ID	Original	Replicate															
Ag	9641058	6	8	28.6%														
Al	9641058	652	602	8.0%														
As	9641058	31	26	17.5%														
Au	9641058	< 0.1	< 0.1	0.0%														
Ba	9641058	562	515	8.7%														
Bi	9641058	1	1	0.0%														
Ca	9641058	55	47	15.7%														
Cd	9641058	10	12	18.2%														
Ce	9641058	322	266	19.0%														
Co	9641058	103	98	5.0%														
Cr	9641058	329	283	15.0%														
Cs	9641058	17.1	15.3	11.1%														
Cu	9641058	359	368	2.5%														
Dy	9641058	53	60	12.4%														
Er	9641058	26.2	28.8	9.5%														
Eu	9641058	12.4	12.3	0.8%														
Fe	9641058	366	322	12.8%														
Ga	9641058	77	67	13.9%														
Gd	9641058	60	60	0.0%														
Hg	9641058	< 1	< 1	0.0%														
In	9641058	< 0.5	< 0.5	0.0%														
K	9641058	75.1	64.2	15.6%														
La	9641058	115	93	21.2%														
Li	9641058	269	227	16.9%														
Mg	9641058	64	54	16.9%														
Mn	9641058	2140	1880	12.9%														
Mo	9641058	< 5	< 5	0.0%														
Nb	9641058	24.7	20.0	21.0%														
Nd	9641058	236	214	9.8%														
Ni	9641058	292	278	4.9%														
P	9641058	5.5	5.1	7.5%														
Pb	9641058	305	306	0.3%														



CLIENT NAME: MISC AGAT CLIENT ON

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Pd	9641058	144	122	16.5%												
Pr	9641058	51	45	12.5%												
Pt	9641058	7	7	0.0%												
Rb	9641058	339	292	14.9%												
Sb	9641058	< 1	< 1	0.0%												
Sc	9641058	209	186	11.6%												
Se	9641058	19	21	10.0%												
Sm	9641058	53	51	3.8%												
Sn	9641058	< 1	< 1	0.0%												
Sr	9641058	168	149	12.0%												
Ta	9641058	< 1	< 1	0.0%												
Tb	9641058	9	10	10.5%												
Th	9641058	118	106	10.7%												
Ti	9641058	10400	9010	14.3%												
Tl	9641058	1.09	0.92	16.9%												
U	9641058	11	10	9.5%												
V	9641058	398	352	12.3%												
W	9641058	< 1	< 1	0.0%												
Y	9641058	333	369	10.3%												
Yb	9641058	21	23	9.1%												
Zn	9641058	653	617	5.7%												
Zr	9641058	450	391	14.0%												

(201-999) EDTA Cyanide Leach, ICP-MS finish - Au, After Drying and Crushing

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	9640969	< 0.1	< 0.1	0.0%	9640974	< 0.1	< 0.1	0.0%	9640981	< 0.1	< 0.1	0.0%	9640983	< 0.1	< 0.1	0.0%
	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	9640993	< 0.1	< 0.1	0.0%	9641005	< 0.1	0.2		9641008	< 0.1	< 0.1	0.0%	9641017	< 0.1	< 0.1	0.0%
	REPLICATE #9				REPLICATE #10				REPLICATE #11				REPLICATE #12			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	9641029	< 0.1	< 0.1	0.0%	9641033	< 0.1	< 0.1	0.0%	9641041	< 0.1	< 0.1	0.0%	9641053	0.2	0.2	0.0%
	REPLICATE #13															
Parameter	Sample ID	Original	Replicate	RPD												



AGAT Laboratories

Quality Assurance - Replicate
AGAT WORK ORDER: 18T399784
PROJECT: Brandy Brook Mines

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

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Au	9641058	< 0.1	< 0.1	0.0%											
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(201-999) EDTA Cyanide Leach, ICP-MS finish

Parameter	CRM #1 (ref.SOIL)				CRM #2 (ref.SOIL)				CRM #3 (ref.SOIL)				CRM #4 (ref.SOIL)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag	406	487	120%	80% - 120%	406	437	108%	80% - 120%	406	460	113%	80% - 120%	406	482	119%	80% - 120%
Al	242	259	107%	80% - 120%	242	269	111%	80% - 120%	242	278	115%	80% - 120%	242	274	113%	80% - 120%
Cd	33.7	40.8	121%	80% - 120%	33.7	39.4	117%	80% - 120%	33.7	38.5	114%	80% - 120%	33.7	40	119%	80% - 120%
Ce	257	215	84%	80% - 120%	257	228	89%	80% - 120%	257	221	86%	80% - 120%	257	229	89%	80% - 120%
Co	145	130	89%	80% - 120%	145	135	93%	80% - 120%	145	132	91%	80% - 120%	145	131	90%	80% - 120%
Cr	108	88	81%	80% - 120%	108	87	80%	80% - 120%	108	94	87%	80% - 120%	108	85	78%	80% - 120%
Cs	5.04	3.77	75%	80% - 120%	5.04	3.58	71%	80% - 120%	5.04	3.78	75%	80% - 120%	5.04	3.83	76%	80% - 120%
Cu	1033	870	84%	80% - 120%	1033	891	86%	80% - 120%	1033	905	88%	80% - 120%	1033	919	89%	80% - 120%
Dy	74.3	72	97%	80% - 120%	74.3	70.3	95%	80% - 120%	74.3	70.3	95%	80% - 120%	74.3	71	96%	80% - 120%
Er	38.9	39.8	102%	80% - 120%	38.9	37.5	96%	80% - 120%	38.9	38.8	100%	80% - 120%	38.9	36.6	94%	80% - 120%
Eu	22.9	20.2	88%	80% - 120%	22.9	20.2	88%	80% - 120%	22.9	20.1	88%	80% - 120%	22.9	20.2	88%	80% - 120%
Gd	83.5	79.1	95%	80% - 120%	83.5	80.4	96%	80% - 120%	83.5	82.9	99%	80% - 120%	83.5	84.5	101%	80% - 120%
La	115	97	85%	80% - 120%	115	104	91%	80% - 120%	115	100	87%	80% - 120%	115	104	90%	80% - 120%
Mg	13.9	18.0	130%	80% - 120%												
Nd	222	193	87%	80% - 120%	222	202	91%	80% - 120%	222	195	88%	80% - 120%	222	203	92%	80% - 120%
Ni	254	221	87%	80% - 120%	254	220	87%	80% - 120%	254	224	88%	80% - 120%	254	217	86%	80% - 120%
P	5.48	5.41	99%	80% - 120%	5.48	6.12	112%	80% - 120%	5.48	6.2	113%	80% - 120%	5.48	6.44	117%	80% - 120%
Pb	1042	925	89%	80% - 120%	1042	787	76%	80% - 120%	1042	984	94%	80% - 120%	1042	868	83%	80% - 120%
Pr	44.5	38.8	87%	80% - 120%	44.5	41	92%	80% - 120%	44.5	39.1	88%	80% - 120%	44.5	40.6	91%	80% - 120%
Rb	89.8	65.9	73%	80% - 120%	89.8	66.4	74%	80% - 120%	89.8	65.3	73%	80% - 120%	89.8	68.6	76%	80% - 120%
Sc	181	174	96%	80% - 120%	181	172	95%	80% - 120%	181	179	99%	80% - 120%	181	178	98%	80% - 120%
Sm	67.0	58.7	88%	80% - 120%	67.0	59.7	89%	80% - 120%	67.0	59.2	88%	80% - 120%	67.0	59.9	89%	80% - 120%
Sn					1.17	0.88	75%	80% - 120%								
Sr	265	240	90%	80% - 120%	265	267	101%	80% - 120%	265	253	95%	80% - 120%	265	263	99%	80% - 120%
Tb	12.7	12.2	96%	80% - 120%	12.7	12	94%	80% - 120%	12.7	12.1	95%	80% - 120%	12.7	11.9	94%	80% - 120%
Th	50.6	65.1	129%	80% - 120%	50.6	58.5	116%	80% - 120%	50.6	63.5	126%	80% - 120%	50.6	62.5	124%	80% - 120%
Tl					0.51	0.37	72%	80% - 120%								
U	63.1	65.6	104%	80% - 120%	63.1	58.3	92%	80% - 120%	63.1	64.3	102%	80% - 120%	63.1	57.5	91%	80% - 120%
Y	430	407	95%	80% - 120%	430	423	98%	80% - 120%	430	410	95%	80% - 120%	430	447	104%	80% - 120%
Yb	30.3	30.7	101%	80% - 120%	30.3	28.9	95%	80% - 120%	30.3	30.3	100%	80% - 120%	30.3	28.4	94%	80% - 120%
Zn	1156	1054	91%	80% - 120%	1156	1016	88%	80% - 120%	1156	1206	104%	80% - 120%	1156	1055	91%	80% - 120%



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

Zr	405	360	89%	80% - 120%	405	358	89%	80% - 120%	405	355	88%	80% - 120%	405	361	89%	80% - 120%
	CRM #5 (ref.SOIL)				CRM #6 (ref.SOIL)				CRM #7 (ref.SOIL)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Ag	406	499	123%	80% - 120%	406	446	110%	80% - 120%	406	446	110%	80% - 120%				
Al	242	282	117%	80% - 120%	242	271	112%	80% - 120%	242	291	120%	80% - 120%				
Cd	33.7	37.1	110%	80% - 120%	33.7	35.4	105%	80% - 120%	33.7	36.2	107%	80% - 120%				
Ce	257	222	86%	80% - 120%	257	248	97%	80% - 120%	257	218	85%	80% - 120%				
Co	145	139	96%	80% - 120%	145	129	89%	80% - 120%	145	138	95%	80% - 120%				
Cr	108	87	81%	80% - 120%	108	76	71%	80% - 120%	108	84	77%	80% - 120%				
Cu	1033	910	88%	80% - 120%	1033	900	87%	80% - 120%	1033	938	91%	80% - 120%				
Dy	74.3	69.6	94%	80% - 120%	74.3	67.1	90%	80% - 120%	74.3	64.8	87%	80% - 120%				
Er	38.9	36.7	94%	80% - 120%	38.9	34.8	89%	80% - 120%	38.9	33.9	87%	80% - 120%				
Eu	22.9	20.7	90%	80% - 120%	22.9	20.9	91%	80% - 120%	22.9	19.2	84%	80% - 120%				
Gd	83.5	80.3	96%	80% - 120%	83.5	81.6	98%	80% - 120%	83.5	77.3	93%	80% - 120%				
La	115	96	84%	80% - 120%	115	110	95%	80% - 120%	115	96	83%	80% - 120%				
Nd	222	199	90%	80% - 120%	222	214	97%	80% - 120%	222	191	86%	80% - 120%				
Ni	254	229	90%	80% - 120%	254	222	88%	80% - 120%	254	237	93%	80% - 120%				
P	5.48	5.76	105%	80% - 120%	5.48	5.61	102%	80% - 120%	5.48	6.12	112%	80% - 120%				
Pb	1042	859	82%	80% - 120%	1042	828	79%	80% - 120%	1042	835	80%	80% - 120%				
Pr	44.5	41.2	93%	80% - 120%	44.5	45.6	103%	80% - 120%	44.5	40	90%	80% - 120%				
Rb	89.8	64.3	72%	80% - 120%	89.8	63.4	71%	80% - 120%	89.8	65	72%	80% - 120%				
Sc	181	172	95%	80% - 120%	181	168	93%	80% - 120%	181	176	98%	80% - 120%				
Sm	67.0	58.6	87%	80% - 120%	67.0	61.9	92%	80% - 120%	67.0	55.7	83%	80% - 120%				
Sr	265	245	93%	80% - 120%	265	277	105%	80% - 120%	265	252	95%	80% - 120%				
Tb	12.7	12.3	97%	80% - 120%	12.7	12	94%	80% - 120%	12.7	11.5	90%	80% - 120%				
Th	50.6	54.8	108%	80% - 120%	50.6	41.8	83%	80% - 120%	50.6	43.8	87%	80% - 120%				
Tl	0.51	0.36	71%	80% - 120%	0.51	0.39	76%	80% - 120%								
U	63.1	70.3	111%	80% - 120%	63.1	63.8	101%	80% - 120%	63.1	67.2	106%	80% - 120%				
Y	430	404	94%	80% - 120%	430	391	91%	80% - 120%	430	388	90%	80% - 120%				
Yb	30.3	29.2	96%	80% - 120%	30.3	26.9	89%	80% - 120%	30.3	27.3	90%	80% - 120%				
Zn	1156	1124	97%	80% - 120%	1156	1463	127%	80% - 120%	1156	1162	101%	80% - 120%				
Zr	405	348	86%	80% - 120%	405	314	77%	80% - 120%	405	323	80%	80% - 120%				



Method Summary

CLIENT NAME: MISC AGAT CLIENT ON
 PROJECT: Brandy Brook Mines
 SAMPLING SITE:

AGAT WORK ORDER: 18T399784
 ATTENTION TO: Robert Dillman
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al			ICP/MS
As			ICP/MS
Au			ICP/MS
Ba			ICP/MS
Bi			ICP-MS
Ca			ICP/MS
Cd			ICP-MS
Ce			ICP-MS
Co			ICP/MS
Cr			ICP/MS
Cs			ICP-MS
Cu			ICP/MS
Dy			ICP-MS
Er			ICP-MS
Eu			ICP-MS
Fe			ICP/MS
Ga			ICP-MS
Gd			ICP-MS
Hg			ICP/MS
In			ICP-MS
K			ICP/MS
La			ICP-MS
Li			ICP/MS
Mg			ICP/MS
Mn			ICP/MS
Mo			ICP/MS
Nb			ICP-MS
Nd			ICP-MS
Ni			ICP/MS
P			ICP/MS
Pb			ICP/MS
Pd			ICP/MS
Pr			ICP-MS
Pt			ICP/MS
Rb			ICP/MS
Sb			ICP-MS
Sc			ICP/OES
Se			ICP/MS
Sm			ICP-MS
Sn			ICP/MS
Sr			ICP-OES
Ta			ICP-MS
Tb			ICP-MS
Th			ICP-MS
Ti			ICP/MS
Tl			ICP-MS
U			ICP-MS



Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 18T399784

PROJECT: Brandy Brook Mines

ATTENTION TO: Robert Dillman

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
V			ICP/MS
W			ICP-MS
Y			ICP-MS
Yb			ICP-MS
Zn			ICP/MS
Zr			ICP-MS



ANALYSIS REPORT BBM19-00478

To COD SGS MINERALS - GEOCHEM VANCOUVER
BRANDY BROOK MINES – ROBERT DILLMAN
SGS CANADA INC
WEST WING 5825 EXPLORER DRIVE
MISSISSAUGA L4W 5P6
ON
CANADA

Order Number	BRANDY BROOK MINES/ Tannahill/	Date Received	18-Jul-2019
70 MMI (8 elements)		Date Analysed	18-Jul-2019 - 07-Aug-2019
Submission Number	BRANDY BROOK MINES/ Tannahill/	Date Completed	08-Aug-2019
70 MMI (8 elements)		SGS Order Number	BBM19-00478
Number of Samples	70		

Methods Summary

Number of Sample	Method Code	Description
70	G_LOG	Sample Registration Fee
70	G_WGH_KG	Weight of samples received
70	GE_MMIM	Mobile Metal ION standard package,ICP-MS

Storage

Pulp	Store for 90 days
Reject	Store for 30 days

Authorised Signatory

Gerald Chik
Laboratory Manager

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- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

8-Aug-2019 7:14PM BBM_U0000854096

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MIN-M_COA_ROW-Last Modified Date: 24-Jul-2019



Order Number BRANDY BROOK MINES/ Tannahill/
 70 MMI (8 elements)
 Submission Number BRANDY BROOK MINES/ Tannahill/
 70 MMI (8 elements)
 Number of Samples 70

ANALYSIS REPORT BBM19-00478

Element	Wtkg	Ag	Au	Co	Cu	Ni
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	0.1	1	10	5
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppb	ppb	ppb	ppb
M-1	0.30	55.0	0.3	97	2050	690
M-2	0.23	32.4	0.2	119	1020	546
M-3	0.24	9.9	<0	102	620	368
M-4	0.25	4.2	<0	81	530	337
M-5	0.21	9.3	<0	81	990	401
M-6	0.24	7.7	<0	356	610	473
M-7	0.24	4.0	0.1	358	720	610
M-8	0.23	18.5	0.2	94	920	728
M-9	0.27	29.8	0.2	142	1010	842
M-10	0.25	8.9	0.4	44	860	331
M-11	0.26	4.2	0.1	147	300	228
M-12	0.22	5.1	0.2	92	300	219
M-13	0.20	9.2	<0	91	190	177
M-14	0.27	8.1	<0	89	520	303
M-15	0.27	59.0	0.2	35	1890	497
M-16	0.24	24.1	0.3	51	990	777
M-17	0.24	13.4	0.1	39	810	617
M-18	0.28	9.1	<0	184	430	356
M-19	0.27	14.6	0.3	257	950	864
M-20	0.25	9.4	0.2	171	680	737
M-21	0.28	16.9	0.3	87	1290	684
M-22	0.26	6.9	<0	121	210	204
M-23	0.26	23.0	0.4	157	1320	942
M-24	0.20	35.2	0.3	197	2420	1310
M-25	0.27	32.3	0.3	71	2460	339
M-26	0.22	16.9	0.4	38	1280	717
M-27	0.27	4.6	<0	232	50	164
M-28	0.24	6.4	<0	49	130	110
M-29	0.24	5.0	<0	71	70	160

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Order Number BRANDY BROOK MINES/ Tannahill/
 70 MMI (8 elements)
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 70 MMI (8 elements)
 Number of Samples 70

ANALYSIS REPORT BBM19-00478

Element	Wtkg	Ag	Au	Co	Cu	Ni
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	0.1	1	10	5
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppb	ppb	ppb	ppb
M-30	0.26	2.8	<0	163	170	220
M-31	0.33	7.2	<0	90	570	350
M-32	0.23	18.5	0.1	72	1150	836
M-33	0.22	17.2	<0	309	490	382
M-34	0.26	10.1	0.1	232	790	450
M-35	0.28	22.8	0.2	52	950	1020
M-36	0.23	22.9	0.2	117	1740	716
M-37	0.24	18.6	0.3	120	1190	956
M-38	0.27	41.4	0.4	78	2080	719
M-39	0.25	39.3	0.3	126	1910	630
M-40	0.22	54.4	0.4	43	1910	705
M-41	0.33	45.8	0.3	34	1610	575
M-42	0.27	40.9	0.1	87	1240	1220
M-43	0.26	15.9	0.2	80	620	399
M-44	0.28	7.2	<0	80	140	235
M-45	0.25	2.4	<0	109	20	104
M-46	0.27	38.0	0.6	56	2400	320
M-47	0.25	12.3	<0	91	400	518
M-48	0.26	11.7	0.4	36	1010	124
M-49	0.28	6.3	0.4	185	780	351
M-50	0.26	12.1	<0	328	330	182
M-51	0.23	9.6	<0	244	260	187
M-52	0.29	11.3	0.1	157	310	182
M-53	0.29	9.7	<0	131	320	381
M-54	0.27	7.5	<0	59	70	159
M-55	0.31	6.1	<0	132	260	316
M-56	0.33	4.1	0.1	146	360	267
M-57	0.34	7.7	0.1	87	530	424
M-58	0.29	5.8	<0	152	390	528

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 70 MMI (8 elements)
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ANALYSIS REPORT BBM19-00478

Element	Wtkg	Ag	Au	Co	Cu	Ni
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	0.1	1	10	5
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppb	ppb	ppb	ppb
M-59	0.26	12.9	0.1	157	1040	600
M-60	0.25	9.7	<0	217	660	607
M-61	0.34	13.3	0.3	79	1200	933
M-62	0.28	9.5	<0	372	400	488
M-63	0.41	18.2	0.1	264	1010	847
M-64	0.35	8.1	0.2	101	620	679
M-65	0.34	6.5	<0	133	100	201
M-66	0.41	3.9	0.2	54	300	201
M-67	0.30	5.7	<0	52	60	146
M-68	0.32	9.0	<0	99	470	339
M-69	0.33	10.4	0.4	139	430	278
M-70	0.35	22.2	0.4	28	1060	371
*Blk BLANK	-	<0.5	<0	<1	<10	<5
*Rep M-47	-	12.8	<0	91	430	557
*Rep M-64	-	8.4	0.4	110	620	681
*Std AMIS0169	-	6.9	0.4	70	2830	330
*Rep M-12	-	4.7	0.2	84	290	231
*Rep M-30	-	2.8	<0	164	180	207
*Blk BLANK	-	<0.5	<0	<1	<10	<5
*Rep M-39	-	37.0	0.4	121	1900	626

Element	Pt	Pd	Zn
Method	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.1	1	10
Upper Limit	--	--	--
Unit	ppb	ppb	ppb
M-1	<0	<1	510
M-2	0.1	<1	790

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 70 MMI (8 elements)
 Number of Samples 70

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Element	Pt	Pd	Zn
Method	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.1	1	10
Upper Limit	--	--	--
Unit	ppb	ppb	ppb
M-3	<0	<1	1190
M-4	<0	<1	200
M-5	<0	<1	200
M-6	<0	<1	680
M-7	<0	<1	600
M-8	<0	<1	640
M-9	<0	<1	770
M-10	<0	<1	450
M-11	<0	<1	490
M-12	<0	<1	680
M-13	<0	<1	320
M-14	<0	<1	1240
M-15	<0	<1	120
M-16	<0	<1	600
M-17	<0	<1	890
M-18	<0	<1	780
M-19	<0	<1	440
M-20	<0	<1	1720
M-21	<0	<1	680
M-22	<0	<1	250
M-23	<0	<1	430
M-24	<0	<1	680
M-25	<0	<1	120
M-26	<0	<1	360
M-27	<0	<1	290
M-28	<0	<1	270
M-29	<0	<1	180
M-30	<0	<1	280
M-31	<0	<1	780
M-32	<0	<1	130

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ANALYSIS REPORT BBM19-00478

Element	Pt	Pd	Zn
Method	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.1	1	10
Upper Limit	--	--	--
Unit	ppb	ppb	ppb
M-33	<0	<1	2500
M-34	<0	<1	1800
M-35	<0	<1	150
M-36	<0	<1	200
M-37	<0	<1	450
M-38	<0	<1	210
M-39	<0	<1	200
M-40	<0	<1	240
M-41	<0	<1	60
M-42	<0	<1	90
M-43	<0	<1	760
M-44	<0	<1	110
M-45	<0	<1	170
M-46	<0	<1	80
M-47	<0	<1	100
M-48	<0	<1	20
M-49	<0	<1	650
M-50	<0	<1	520
M-51	<0	<1	720
M-52	<0	<1	790
M-53	<0	<1	510
M-54	<0	<1	120
M-55	<0	<1	800
M-56	<0	<1	1080
M-57	<0	<1	800
M-58	<0	<1	770
M-59	<0	<1	830
M-60	<0	<1	840
M-61	<0	<1	1070
M-62	<0	<1	1230

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 70 MMI (8 elements)
 Number of Samples 70

ANALYSIS REPORT BBM19-00478

Element	Pt	Pd	Zn
Method	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.1	1	10
Upper Limit	--	--	--
Unit	ppb	ppb	ppb
M-63	<0	<1	1180
M-64	<0	<1	1490
M-65	<0	<1	220
M-66	<0	<1	310
M-67	<0	<1	220
M-68	<0	<1	1770
M-69	<0	<1	320
M-70	<0	<1	70
*Blk BLANK	<0	<1	<10
*Rep M-47	<0	<1	100
*Rep M-64	<0	<1	1550
*Std AMIS0169	<0	<1	150
*Rep M-12	<0	<1	620
*Rep M-30	<0	<1	280
*Blk BLANK	<0	<1	<10
*Rep M-39	<0	<1	180

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



ANALYSIS REPORT BBM19-00799

To COD SGS MINERALS - GEOCHEM VANCOUVER
BRANDY BROOK MINES – ROBERT DILLMAN
SGS CANADA INC
WEST WING 5825 EXPLORER DRIVE
MISSISSAUGA L4W 5P6
ON
CANADA

Order Number	BRANDY BROOK MINES/ Tannahill/	Date Received	16-Aug-2019
32 MMI (8 Elements)		Date Analysed	22-Aug-2019 - 13-Sep-2019
Submission Number	BRANDY BROOK MINES/ Tannahill/	Date Completed	13-Sep-2019
32 MMI (8 Elements)		SGS Order Number	BBM19-00799
Number of Samples	32		

Methods Summary

Number of Sample	Method Code	Description
32	G_LOG	Sample Registration Fee
32	G_WGH_KG	Weight of samples received
32	GE_MMIM	Mobile Metal ION standard package,ICP-MS

Storage

Pulp Store for 90 days

Authorised Signatory

Gerald Chik
Laboratory Manager

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- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

13-Sep-2019 6:55PM BBM_U0001008391

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MIN-M_COA_ROW-Last Modified Date: 24-Jul-2019



Order Number BRANDY BROOK MINES/ Tannahill/
 32 MMI (8 Elements)
 Submission Number BRANDY BROOK MINES/ Tannahill/
 32 MMI (8 Elements)
 Number of Samples 32

ANALYSIS REPORT BBM19-00799

Element	Wtkg	Ag	Au	Co	Cu	Ni
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	0.1	1	10	5
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppb	ppb	ppb	ppb
M-71	0.28	57.1	0.3	88	2360	479
M-72	0.27	16.5	0.3	46	830	290
M-73	0.26	12.8	<0.1	159	680	307
M-74	0.27	15.6	0.1	93	500	226
M-75	0.27	6.7	<0.1	94	1020	579
M-76	0.31	25.7	0.2	58	1280	1280
M-77	0.31	16.0	0.4	91	1090	764
M-78	0.27	3.3	<0.1	42	10	120
M-79	0.30	15.2	0.1	39	230	246
M-80	0.27	11.2	0.2	67	310	187
M-81	0.29	7.8	<0.1	79	100	101
M-82	0.29	7.6	<0.1	62	<10	76
M-83	0.27	6.0	<0.1	24	30	50
M-84	0.24	6.9	0.1	66	760	288
M-85	0.30	12.5	0.7	53	950	280
M-86	0.32	19.4	<0.1	161	870	526
M-87	0.31	9.5	<0.1	76	300	262
M-88	0.27	8.0	<0.1	75	490	310
M-89	0.28	10.5	0.1	106	290	229
M-90	0.28	16.7	0.2	87	570	297
M-91	0.27	14.6	0.1	114	520	228
M-92	0.28	19.3	<0.1	156	320	179
M-93	0.30	17.1	<0.1	118	240	197
M-94	0.26	19.4	0.4	72	1610	560
M-95	0.30	24.3	0.2	266	1300	1010
M-96	0.29	35.0	0.3	72	1080	656
M-97	0.29	15.8	0.1	50	730	845
M-98	0.26	6.4	<0.1	189	610	504
M-99	0.26	8.2	<0.1	76	40	181

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Order Number BRANDY BROOK MINES/ Tannahill/
 32 MMI (8 Elements)
 Submission Number BRANDY BROOK MINES/ Tannahill/
 32 MMI (8 Elements)
 Number of Samples 32

ANALYSIS REPORT BBM19-00799

Element	Wtkg	Ag	Au	Co	Cu	Ni
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	0.1	1	10	5
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppb	ppb	ppb	ppb
M-100	0.27	13.3	<0.1	33	70	116
M-101	0.27	6.2	<0.1	106	130	199
M-102	0.29	26.4	0.3	62	1490	448
*Rep M-77	-	15.6	0.3	88	1100	744
*Std AMIS0169	-	8.7	0.8	92	3610	380
*Rep M-92	-	19.9	<0.1	158	360	199
*Blk BLANK	-	<0.5	<0.1	<1	<10	<5

Element	Pd	Pt	Zn
Method	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10
Upper Limit	--	--	--
Unit	ppb	ppb	ppb
M-71	<1	<0.1	210
M-72	<1	<0.1	1070
M-73	<1	<0.1	910
M-74	<1	<0.1	740
M-75	<1	<0.1	270
M-76	<1	<0.1	930
M-77	<1	<0.1	1230
M-78	<1	<0.1	200
M-79	<1	<0.1	320
M-80	<1	<0.1	600
M-81	<1	<0.1	380
M-82	<1	<0.1	170
M-83	<1	<0.1	90
M-84	<1	<0.1	800
M-85	<1	<0.1	290
M-86	<1	<0.1	810

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Order Number BRANDY BROOK MINES/ Tannahill/
 32 MMI (8 Elements)
 Submission Number BRANDY BROOK MINES/ Tannahill/
 32 MMI (8 Elements)
 Number of Samples 32

ANALYSIS REPORT BBM19-00799

Element	Pd	Pt	Zn
Method	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10
Upper Limit	--	--	--
Unit	ppb	ppb	ppb
M-87	<1	<0.1	420
M-88	<1	<0.1	1560
M-89	<1	<0.1	1090
M-90	<1	<0.1	640
M-91	<1	<0.1	550
M-92	<1	<0.1	500
M-93	<1	<0.1	330
M-94	<1	<0.1	400
M-95	<1	<0.1	600
M-96	<1	<0.1	270
M-97	<1	<0.1	1350
M-98	<1	<0.1	2710
M-99	<1	<0.1	170
M-100	<1	<0.1	130
M-101	<1	<0.1	200
M-102	<1	<0.1	90
*Rep M-77	<1	<0.1	1230
*Std AMIS0169	<1	0.1	180
*Rep M-92	<1	<0.1	560
*Blk BLANK	<1	<0.1	<10

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

L1

going south

M-1 woods plain 30cm
river go-br clay
spr

M-2 like br sandy clay 25cm
slope cut beside tr. waste

M-3 BL br sandy clay 25cm
Top of cut

M-4 br s.c. 25cm cut

M-5 light br mottled beside trail
drain

M-6 moss light br clay 35cm
moved 4m E to miss log pile

M-7 gr-br clay 20cm

L2

going N

All cut
Scale

M-8 boggy skidder track
br clay 25cm

M-9 " " "
gr clay 20cm

M-10 trail sample moved N
gr clay 15cm, scrapped

M-11 light br clay 35cm

M-12 BL " " " 25cm cut

M-13 slope red-br clay 20cm cut

M-14 edge of cut slope alder spr
br sandy clay

M-15 boggy river plain

50cm minus spr alders 60cm
br clay

L3

going south

M-16 river plain - slope
alder spr
gr-br clay 15cm

M-17 slope alder spr
gr-br clay 20cm

M-18 slope alder spr
light br clay 15cm

M-19 cut flat 10cm
light br clay

M-20 5m N of trail
gr clay 10cm cut

M-21 boggy cut 15cm
gr-br clay cut

M-22 slight rise
red-br clay 10cm cut

M-23 bog cut 25cm
mottled gr-br clay

L4E

going west

M-24 gr clay bog edge cut
25cm

M-25 50cm humus

br clay cut

M-26 ^{S. beside trail} slight rise
br clay 10cm

M-27 light gr-br clay
15cm

M-28 light gr-br clay
top of rise
15cm cut

M-29 " " " 10cm
woods

M-30 C.L. E-W
slope N. spr alder
red-br clay 15cm

M-31 slope spr alder
light br cl.

M-32 bottom of slope
5m river
25cm 15cm humus on br clay

M-33 trench on strike
from Au

M-34 NE corner trench

L 5 E going N

M-35 5m from ^{south} creek
dark grey clay
20cm cut

M-36 log pile at BL ^{moved} 5m SW
gr-br clay 15cm cut

M-37 ^{moved} trail, 3m N 45cm gr-br clay
30cm humus

M-38 log pile, ^{moved} 5m N cut
30cm humus 45cm
gr-br clay
slight slope W

M-39 slight slope W cut
skidded track
50cm humus, 60cm
gr br clay

M-40 same, 25cm humus
40cm br clay
trail 5m E

M-41 same 15cm humus
30cm br clay

M-42 same 35cm h cut
~~50~~ br clay

M-43 slope ^W gr clay 15cm
cut

M-44 ^{steep} base of slope cut
15 cm light br clay

M-45 base of slope ^{river plain}
25 cm light br clay cut

M-46 under root turn
15 cm light br clay
wood river plain

M-47 river plain, river A 10 NE
woods spr
20 cm light br clay

M-48 ^{river} in trench east wall

75 x 40
40
30

L6E

going south
Scale

M-49 river 10 NN
trench 5 M NE
steep slope N
15 cm light br clay
spr

M-50 S.S.N, spr light br cl
15 cm

M-51 Top flat cut 15 cm LBC

M-52 " " cut/but
uncut balsam tit
10 cm LBC

M-53 cut 15 cm LBC

M-54 woods sp 15 cm RED BR CL

M-55 ed cut sp 15 cm Br Clay

M-56 cut ^{slight} slope W 15 cm LBC

M-57 same

M-58 Same trail 12m W

L 7 E

M-59 15cm br clay
flat under root turn
pebbles

M-60 flat cut skidder track
15cm br clay

M-61 same 15cm humus
cut 25 br clay

M-62 woods spr
15cm humus 25cm br
clay

M-63 20cm humus grey
spr molding clay

M-64 root turn 15cm br clay

M-65 55cm humus 65
spr Br clay

M-66 35cm humus
45 br clay

M-67 Top of hill old road?

M-68 15cm humus 25 br clay
grass, spr
gentle slope N
15cm L.B.C.
grass, spr.

M-69 mod slope, gully 10m E
15cm L.B.C.

M-70 same creek 3m E
river 15m N

Rock Sample

River trench

WP 49 boulder in view
MGS-1 15x15x10 cm

Tr - 15% py, qtz str.
altered mafic

WP 49 2nd boulder 15x10x10
MGS-2

WP 49 OC at 74° 80° S
MGS-3 qtz-carb str Tr 5%
mafic vol. py

MGS-4 WP-53 fine boulder

MGS-5 " "

MGS-6 boulder @ py in cut
WP-61 south of Miron claims

L/W of Tr.

going south

M-71 base of slope edge of cut
river plain, 35 humus
50 cm dark br clay

M-72 ^{mod} slope N. hard LBC
15cm skidded tracks

M-73 top cut 20cm br clay
BL 9+82W, 0+07S

M-74 slight slope SW cut 20cm LBC

M-75 low bog wood pile on
skidded track 20cm Br CLAY

M-76 12m S of trail wood spr allers
25cm humus 40cm dr. br cl.

M-77 low bal, alder, spr
30cm humus 40cm dr br cl

Location _____

Date _____

Project / Client _____

L2W

going N

M-78 low, base of gentle S slope
edge of cut 20 cm LBC

M-79 S.G.S. cut 105 of trail
20 cm LBC

M-80 cut S.G. slope cut
20 cm LBC

M-81 flat edge of cut alders spr
15 cm LBC

M-82 same cut alders 30 cm
dr Br cl

M-83 wood spr alder S.S.N.
15 cm br cl

M-84 mod slope N 20 cm LBC spr

M-85 base of slope river plain
river 1/2 m NE 20 cm LBC spr

Location _____

Date _____

Project / Client _____

L3W

going S

Scale _____

M-86 ^{mod} b.s. N river plain
15 LBC spr

M-87 S.S.N. edge cut 15 cm LBC

M-88 same cut " "

M-89 " " " "

M-90 just below hill top " " " "

M-91 S.S.S. " " " "

M-92 " " " "

M-93 b of slope cut 20 cm br Clay

Daily Log and Expenses
Robert Dillman for Brandy Brook Mines Limited
Soil Sample Survey Magusi Trench: August 2018

August 13, 2018	Travel R. Dillman, J. Chard
August 14, 2018	Soil Sample Survey: 529540 Miron, R. Dillman, J. Chard
August 15, 2018	Soil Sample Survey: 529691 Magusi, R. Dillman, J. Chard
August 16, 2018	Soil Sample Survey: 529691 Magusi, R. Dillman, J. Chard
August 17, 2018	Prospected
August 18, 2018	Prospected
August 19, 2018	Prospected
August 20, 2018	Prospected
August 21, 2018	Travel R. Dillman, J. Chard

Food

August 10, 2018	Loblaws	177.16	
August 10, 2018	BJ's Market	<u>62.40</u>	
		239.56	30/day

Gas 1736 km

August 10, 2018	Mobile	150.00
August 13, 2018	Husky	174.41
August 21, 2018	Husky	142.79

Lodging

August 10, 2018	MNR Park	345.22	
August 13, 2018	MNR Park	<u>72.32</u>	
		417.54	52.19/day

Shipping

July 26, 2019	FedEx	98.16
August 23, 2019	FedEx	<u>48.93</u>
		147.09

Assays

December 3, 2018	AGAT	3112.02	2754
March 26, 2019	AGAT	1383.12	1224
July 19, 2019	SGS	2384.87	2110
August 23, 2019	SGS	1090.22	<u>960</u>
			7048