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N.T.S. 32D05

**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
8901 Reily Drive
Mount Brydges, Ontario**

**By: Robert Dillman of Arjadee Prospecting
Brandy Brook Mines Limited**

October 20, 2017

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Summary

In August 2017, Brandy Brook Mines Limited mobilized a track excavator to the Magusi Trench on the Tannahill Property to re-expose a section of the trench which was covered by dirt due to a collapse of part of the trench wall during the previous winter/spring. In the course of stabilizing the trench walls, the excavator uncovered additional outcrop on strike of the gold-bearing mineralization exposed in 2016. A total of 61 rock samples were collected from the newly excavated areas. Of these, 59 rock samples were cut from the outcrop using a diamond bladed rock saw. Assay results for gold ranged 0.004 g/t to 2.90 g/t.

Location, Access

The Tannahill Property is located in the Harker-Holloway area of the Larder Lake Mining Division in Ontario (Figure 1). The property straddles the township boundary between Holloway and Tannahill Township's and is bounded to the west by Elliot Township.

The property has several access points via logging roads connecting with Highway 672. The Magusi River Road (Roscoe Road) is the largest logging road in the area and crosses Tannahill Township 1.2 km's south of the property. A logging road at the 17 km marker on the Magusi River Road provides access to the center of the property.

Claim Ownership and Logistics

The Tannahill Property consists of thirteen contiguous unpatented mining claims covering a total area of 1,376 hectares (Figure 2). The logistics of the claims are summarized in Table 1. All claims are registered in the name of Brandy Brook Mines Limited located at 8901 Reily Drive, Mount Brydges, Ontario.

Land Status and Topography

The Tannahill Property is situated entirely on Crown Land. The property is uninhabited. There are no buildings or hydroelectricity on the property. The closest transmission line is approximately 5 km's west of the property.

Over the last decade, there have been periods of logging over different sections of the property. Most recent logging operations occurred in the winter of 2013. Areas logged a decade ago have been reforested with black spruce. Areas logged recently have been mostly clear-cut but isolated patches of old-growth forest still remain. The areas of uncut old-growth forest are situated along the waterways and wet areas on the property. Trees within old-growth areas include: spruce, pine, poplar, birch, maple, ash and alders.

The property is crossed by the Magusi River which flows north towards Lake Abitibi. The river generally flows slowly and is navigable by canoe. There are several short sections with rapids.

Most of the Tannahill Property is covered by thick overburden consisting of clay and till. Outcrop exposure is less than 5%. Most outcrops are found in the south section of the property and in areas south and east of the Magusi River. No outcrops have been found north of the river in the north section of the property.

Geology

The Tannahill Property is located in the Harker-Holloway section of the Abitibi Greenstone Belt. The property straddles the unconformity between Archean units of the Upper and Lower Blake River formation dated 2,704 to 2,696 Ma (Figure 3).

Exposed outcrops are rare on the property. Outcrops consist mostly of flow and pillowed basalts, gabbroic flows and fine-grained sedimentary schists. Rock units generally trend east to west and dip moderately towards the south. A large gabbro pluton occupies the central section of the claim. A north-south orientated diabase dike crosses through the centre of the property. The dike is prominent on aeromagnetic maps and appears to be offset by faulting where it crosses the property.



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
 - Notice
- 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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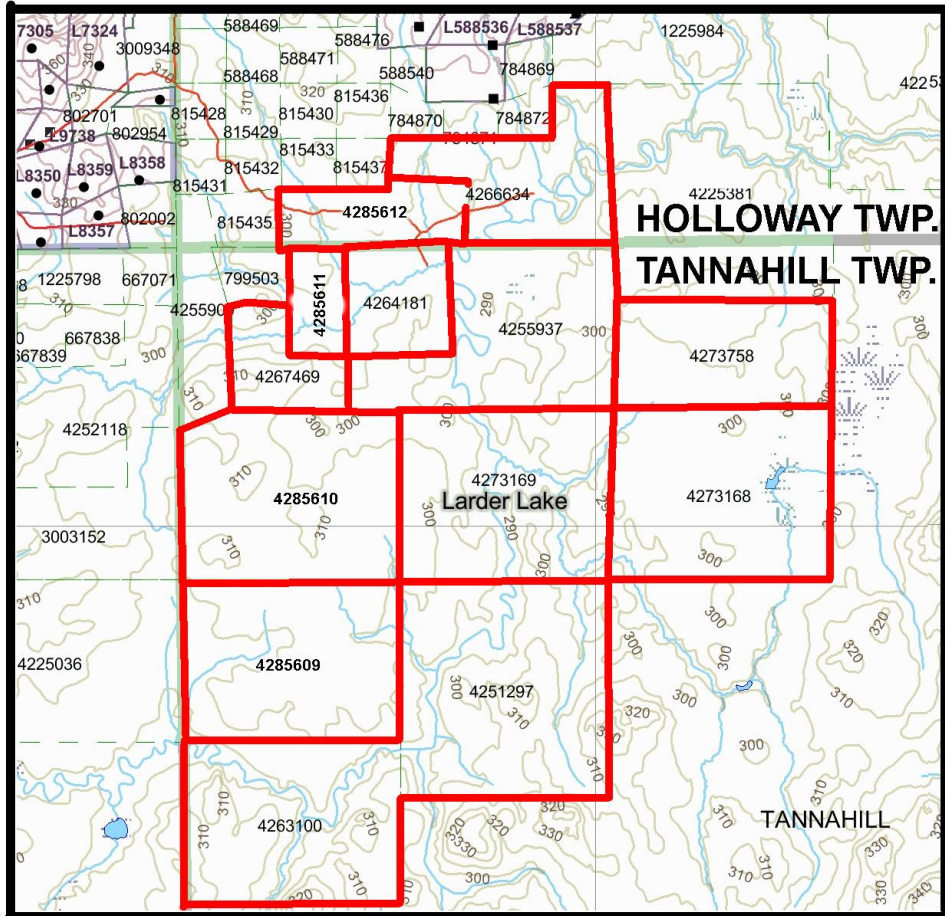


Figure 2.
Claim Map
 Tannahill - Holloway Twp.'s
 BRANDY BROOK MINES LIMITED

NAD 83
 5 degree grid

Table 1. Claim Logistics

Tannahill Property

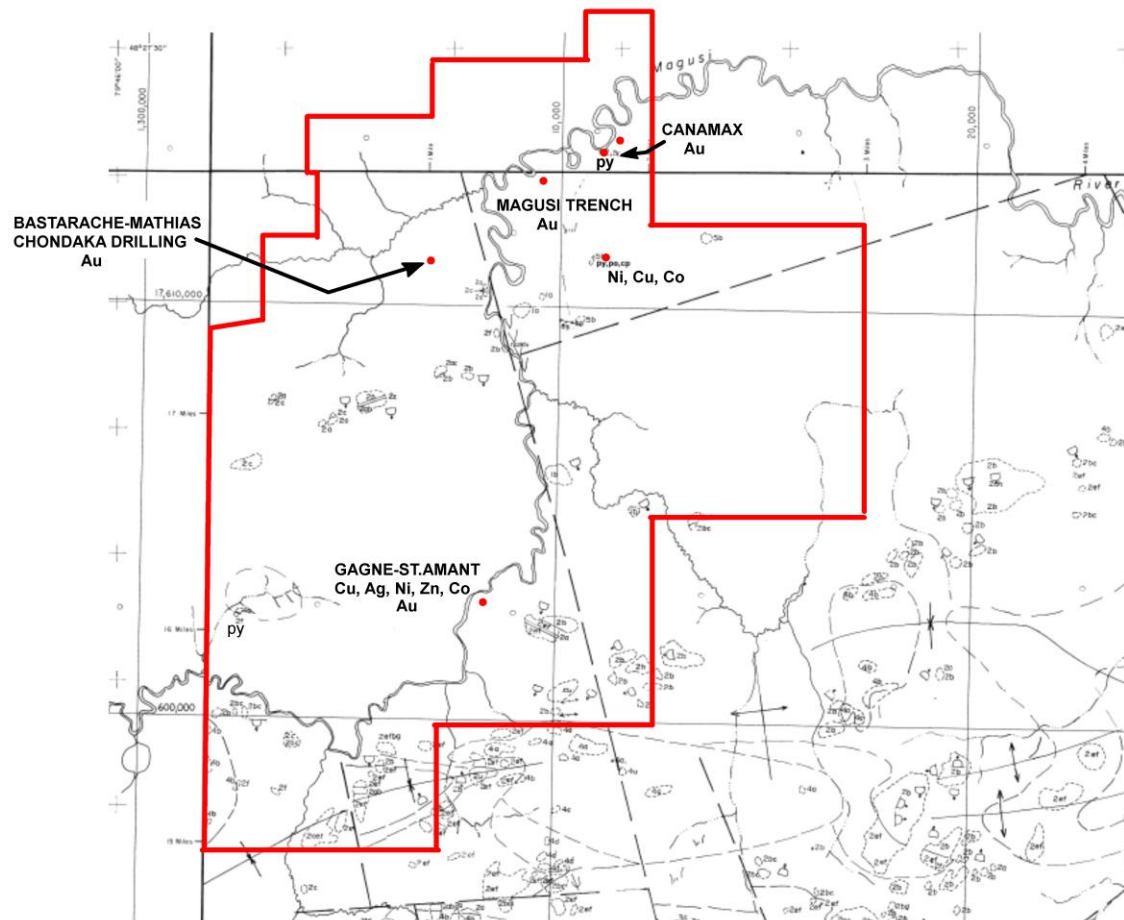
Tannahill & Holloway Twp.'s, Ontario

G-3717

Brandy Brook Mines Limited

October 1, 2017

<u>Claim Number</u>	<u>Township</u>	<u>Number of Units</u>	<u>Date Recorded</u>	<u>Work Due Date</u>	<u>\$ Amount Due</u>	<u>Banked Work \$</u>
4266634	Holloway	8	Nov. 14, 2011	Nov. 17, 2017	\$3,200	\$0
4285612	Holloway	4	May 17, 2017	May 17, 2019	\$1,600	\$0
4273758	Tannahill	8	Dec. 11, 2014	Dec. 11, 2017	\$3,200	\$0
4251297	Tannahill	16	Nov. 26, 2009	Nov. 26, 2017	\$6,400	\$4,825
4255937	Tannahill	11	Nov. 14, 2011	Nov. 14, 2017	\$4,400	\$10,959
4263100	Tannahill	12	Oct. 31, 2011	Oct. 31, 2017	\$4,800	\$0
4264181	Tannahill	4	Oct. 31, 2011	Oct. 31, 2017	\$1,600	\$0
4267469	Tannahill	3	Oct. 31, 2011	Oct. 31, 2017	\$1,200	\$0
4273168	Tannahill	12	Dec. 21, 2012	Dec. 21, 2017	\$4,800	\$0
4273169	Tannahill	12	Dec. 21, 2012	Dec. 21, 2017	\$4,800	\$0
4285609	Tannahill	12	May 17, 2017	May 17, 2019	\$4,800	\$0
4285610	Tannahill	12	May 17, 2017	May 17, 2019	\$4,800	\$0
4285611	Tannahill	12	May 17, 2017	May 17, 2019	\$800	\$0



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

0 1km

Figure 3.
GEOLOGY MAP
Tannahill Property
 Brandy Brook Mines Limited

The property is crossed by faults associated with south branches of the Destor-Porcupine Fault. These faults have been observed to trend east-west and northeast-southwest. Rock units close to the Magusi River in the north section of the property are carbonated, schistose and brecciated as a result of extensive hydrothermal alteration, shearing and faulting.

History of Exploration

In 1981, prospectors G. Bastarache and A. Mathias reported low gold values in sheared mafic metavolcanic rock and feldspar porphyry dikes.

In 1982, Canamax Resources Inc. drilled 647 metres with 4 holes in the area. One of the holes was drilled several hundred metres northeast of the Bastarache-Mathias discovery and is reported to have intersected 0.585 ppm gold over 2.0 metres. Another hole was drilled along the Magusi River in the vicinity of a trench reported to assay 0.07 oz/ ton gold. Multiple zones of low grade gold mineralization were intersected during the drilling, the best assaying 0.870 ppm over 1.0 metre. The trench is reported to be on the south side of the river.

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, mapped geology and drilled 18 holes. The magnetometer surveys outlined a northeast trending magnetic feature along the Magusi River. The magnetic feature coincides with work by Bastarache-Mathias. A hole drilled by Condaka in the vicinity to the 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.

In 1988, the Ontario Geological Survey drilled three sonic overburden holes in the area covered by the Tannahill Property (88-33, 88-34, 88-42). The holes were drilled vertically. Overburden depth is reported to range 29 to 32 metres thick and consisted of several layers of till and glaciofluvial sand layers. Heavy mineral concentrates derived from the till layers contained numerous gold grains, total counts ranging 6 to 46 gold grains per hole. The samples of the basal till layer above bedrock in each of the holes contained 4 to 11 gold grains per sample. The gold grains are described as abraded and angular shaped. Assays of heavy mineral concentrates derived from the basal till layers assayed <2 ppb to 1,400 ppb gold, 110 pm to 120 ppm copper and some showed anomalous values of Zn, Fe, Cr, Ti and Ni.

Best assay results for copper came from a bedrock sample of basalt taken from the bottom of overburden hole 88-42 which assayed 135 ppm Cu. This hole was drilled close to a northeast striking airborne VLF-EM conductor. In overburden hole 88-33, bedrock encountered at the bottom of the hole is described as “altered” and “limonitic” but no sample was obtained. However, the basal till situated above the altered bedrock assayed 1,200 ppb gold and contained 6 gold grains, one measuring 250 x 400 microns in size. The overburden hole is close to the Magusi Trench.

In 1994, Strike Minerals Inc. and Findore Minerals Inc. completed a ground magnetometer survey over a circular aeromagnetic feature located in the southeast corner of the property. The circular magnetic feature was explored as a potential kimberlite pipe.

In 1995, Strike Minerals completed a mechanized trenching program on the Gagne-St. Amant Prospect. Strike reported assay values ranging: trace to 583 ppb (0.016 oz/ton) Au, trace to 37.0 ppm (1.01 oz/ton) Ag, 287 to 87,100 ppm (8.71%) Cu and 91 to 1,360 ppm (0.136 %) Zn.

In 2011, Brandy Brook Mines Limited staked the Tannahill Property and completed ground magnetometer and VLF-EM surveys over the Gagne-St. Amant Prospect and the airborne VLF conductor situated in the northeast section of the property close to the OGS sonic drill hole 88-42. Rocks samples were also collected from the Gagne-St. Amant Prospect. Assays included: <0.02 to 1.46 g/t gold, 0.5 to 46.8 g/t silver, 0.007 to 8.61% copper and <0.001 to 0.12% zinc. Sample widths varied between 20 cm or less.

In 2013, Brandy Brook completed a Geo-referencing Survey of the claim post locations on the property. Rock samples were also collected from the Bastarache-Mathias zone however none of the samples contained any significant gold mineralization.

In the fall of 2014, Brandy Brook mapped surface features and geology in the north section of the property. This work lead to the discovery of a gold-bearing outcrop located in claim 4255937 just south of the Tannahill-Holloway Township line (Figure 4). This site later became the Magusi Trench. Rock samples collected from the site assayed up to 0.992 g/t Au. Rock samples were also examined at the time by Sarah Codyre. The work was completed to partially fulfill the requirements for the Honors Bachelor of Science Degree from the Department of Earth Sciences at the University of Western Ontario.

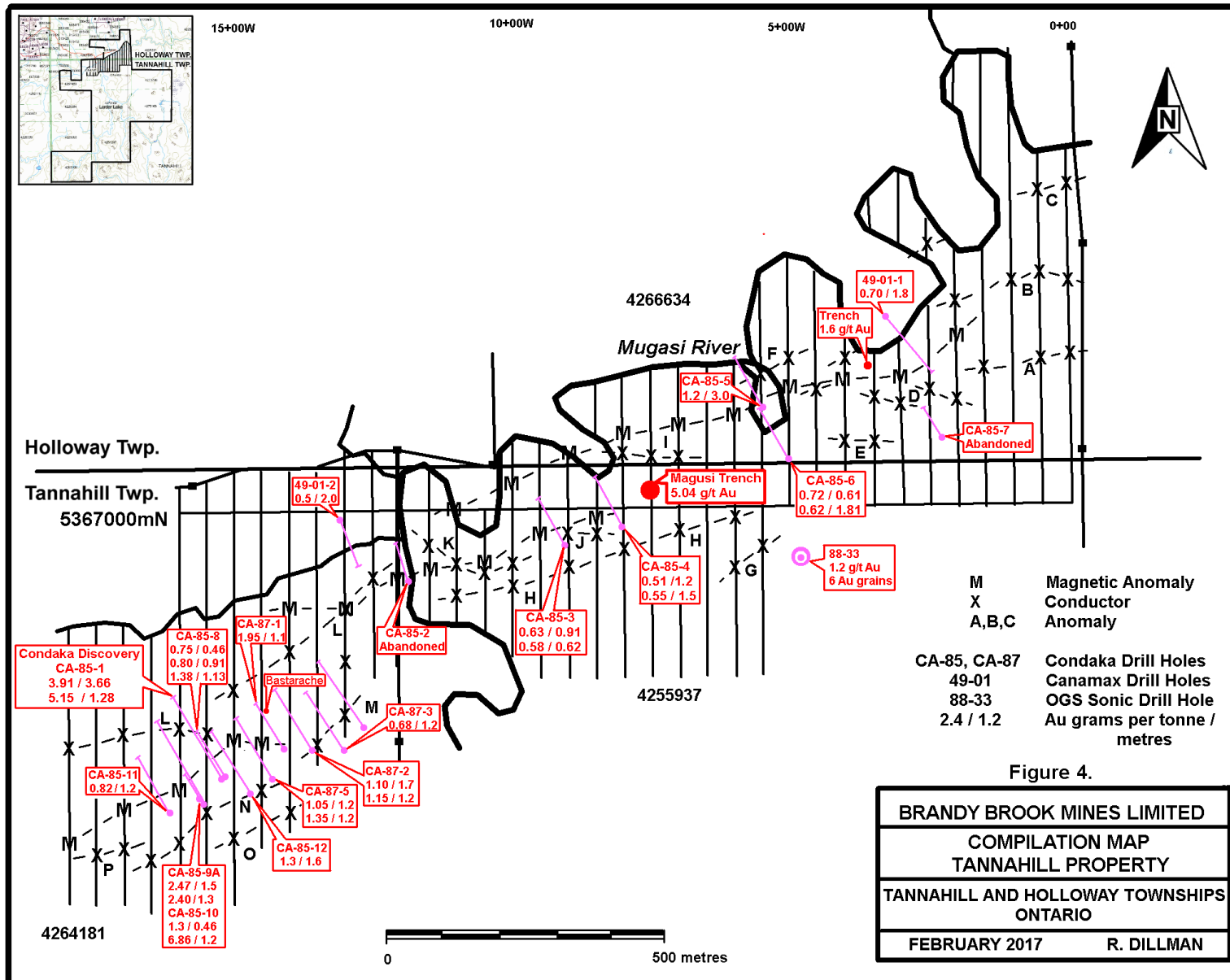


Figure 4.

In the October of 2015, Brandy Brook completed ground magnetometer and VLF-EM surveys over areas south and west of the Magusi River and manually excavated several trenches over the new gold showing. Assays from samples collected from the trenches ranged 0.25 ppb to 1.78 ppb Au.

In 2016, Brandy Brook Mines mobilized a high-hoe excavator to the property where the trenches had been dug the previous year. The excavator exposed an outcrop of extensively carbonated, sheared and brecciated mafic metavolcanic rocks and minor interbeds of cherty metasediments. Assays of samples cut from the southeast section of the outcrop which contained pyrite, hematite, quartz and silicification ranged up to 5.04 g/t gold.

Survey Dates and Personnel

The trenching, mapping and rock sampling program on claim 4255937 was conducted over 5 days between August 10, 2017 and August 18, 2017.

The program was supervised by the author, Robert Dillman of Mount Brydges, Ontario and assisted by James Chard of Cordova Mines, Ontario.

The excavator used for the project was supplied by Canadian Exploration Services (CXS) Ltd. located in Larder Lake, Ontario. The excavator was operated by William Bonney of CXS Ltd. The excavator was mobilized to the Tannahill Property on August 11, 2017. The excavator worked on the trench for one day on August 12, 2017.

Survey Logistics

During the 2017 program, the southeast and southwest corners of the Magusi trench were expanded several metres to the south (Figure 5).

The total area excavated during the program was approximately 30 square metres bringing the total area excavated to 246 square metres. After excavation, the outcrop was washed using a Honda pump.

The trench is bounded between UTM coordinates (NAD 83, Zone 17):

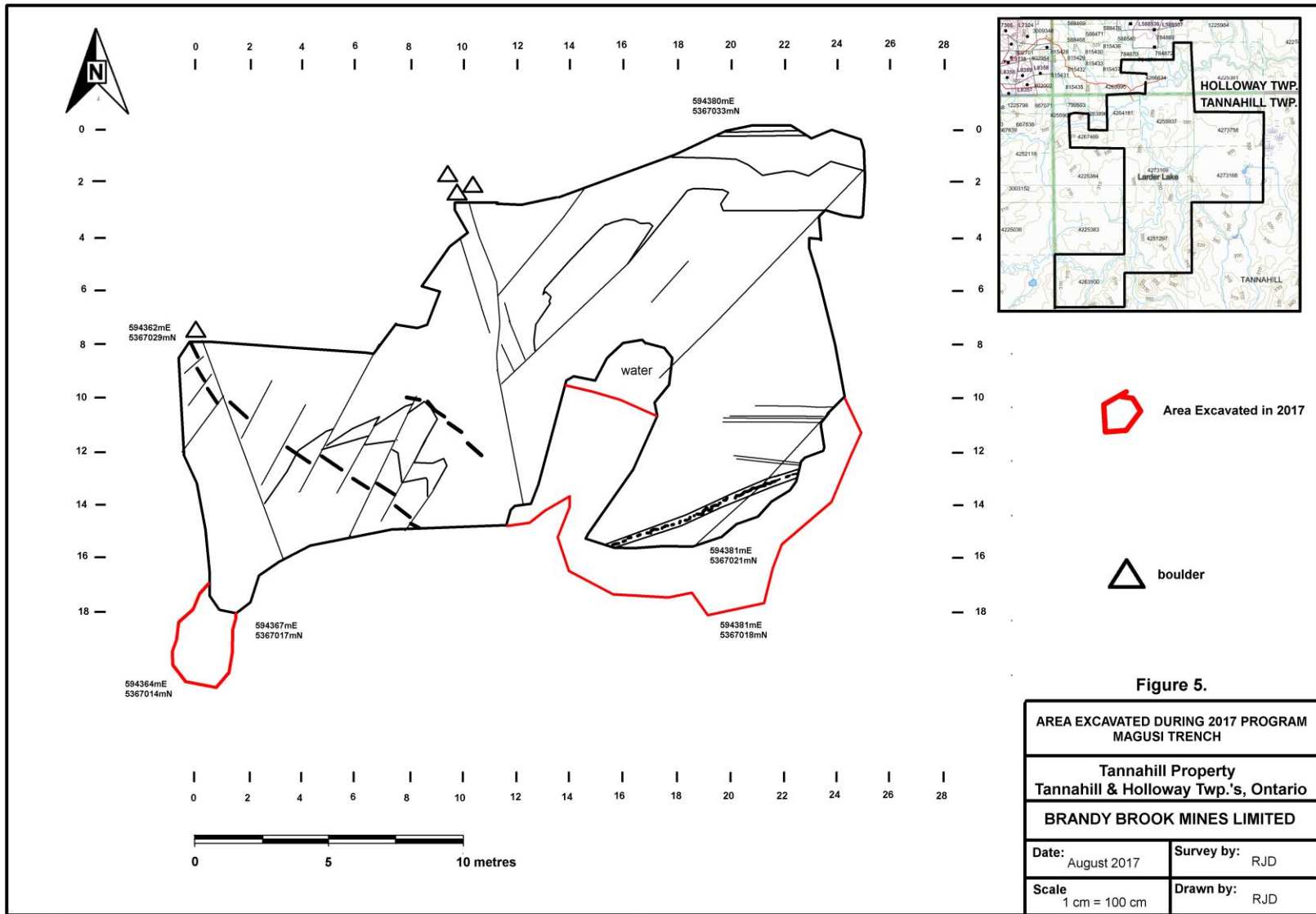
Northwest Corner	594362mE, 5367029mN
Southwest Corner	594364mE, 5367014mN
Northeast Corner	594380mE, 5367033mN
Southeast Corner	594384mE, 5367024mN

The program was performed under Exploration Permit Pr-1510691.

Trench plans depicting geology, rock sample locations and assay results are appended this report. The plans are at a scale of 1 cm to 100 cm.

A total of 10 separate channel cuts were made into the newly exposed outcrop (MG-17-1 to MG-17-10). The cuts were made with a gas powered saw equipped with a 16 inch diameter diamond blade (Figure 6, Figure 7, Figure 8). The channel cuts averaged 4 cm wide by 12 cm deep and ranged between 60 cm to 180 cm in length. Individual rock samples within the cuts ranged 10 cm to 28 cm in length.

A total of 61 rock samples (MG-1 to MG-62) were collected from newly exposed outcrop in the Magusi trench. Sixty (60) of the samples were cut from the outcrop using the saw. Two (2) of the rock samples were “grab” type samples collected from two different areas of mineralization in the trench. The UTM coordinates for sample locations were recorded using a Garmin GPS model Rhino 750 which has an accuracy of +/- 3 metres. The GPS unit was set to NAD 83, Zone 17.



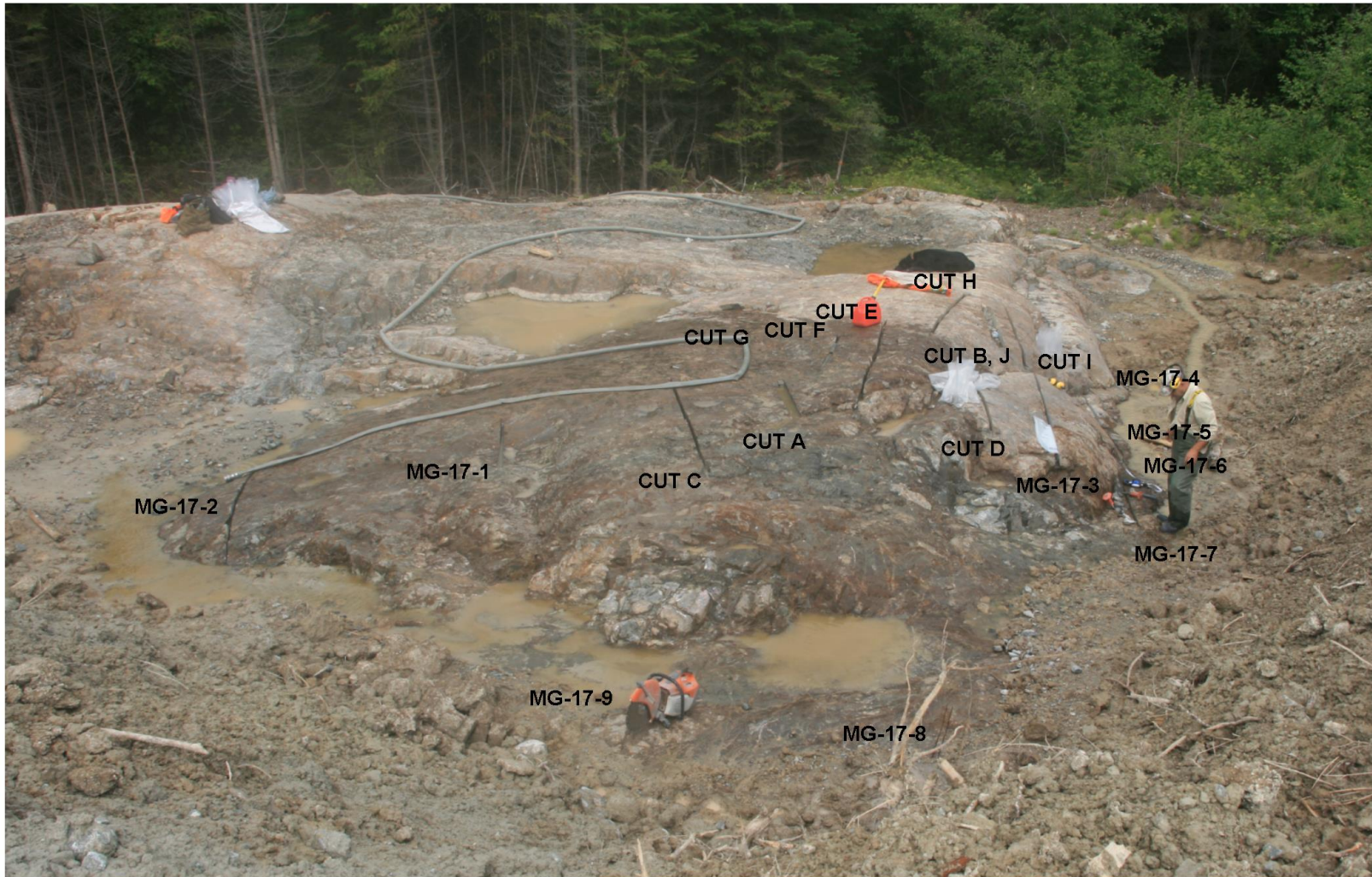


Figure 6: Mugasi Trench, Southeast corner ,Channel Cut Locations
Tannahill-Holloway Twp., Ontario
Looking north

Brandy Brook Mines Limited

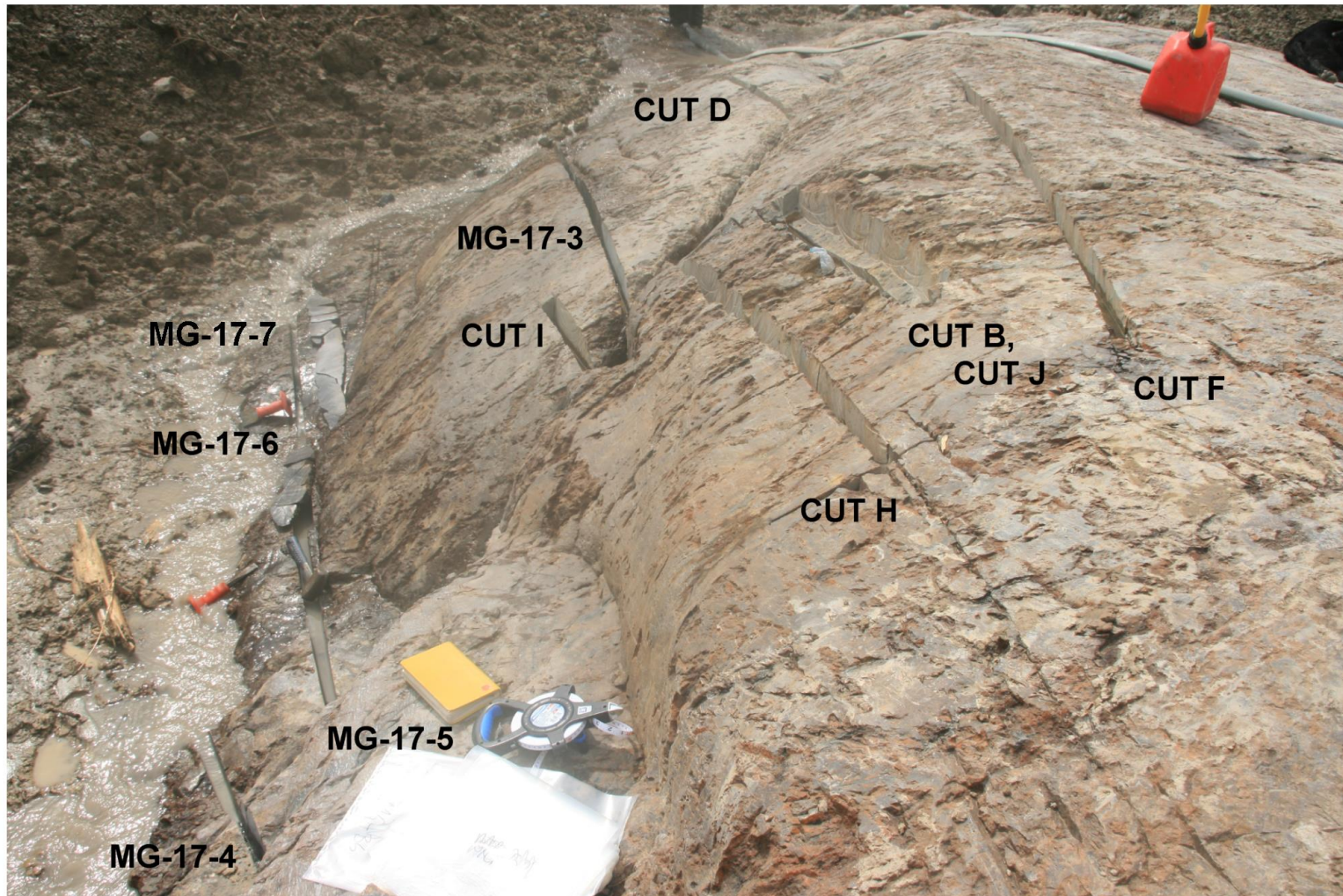


Figure 7: Mugasi Trench, Southeast corner ,Channel Cut Locations
Tannahill-Holloway Twp., Ontario
Looking south

Brandy Brook Mines Limited



**Figure 8: Mugasi Trench, Southwest corner , Channel Cut Locations
Tannahill-Holloway Twp., Ontario
Looking east**

Brandy Brook Mines Limited

The rock samples were sent for analysis to AGAT Laboratories located in Mississauga, Ontario. All the samples were assayed for gold by standard Fire Assay method. At the lab, the samples were weighed and dried at 1,050C. Pulps were made by crushing 3.0 kg of each sample and passing the crush material through a -2 mm screen until 75% had been screened. From the -2mm fraction, 250 g was selected and further pulverized until 85% was passed through a 75 micron screen. From the -75 micron fraction of each sample, a 50 g charge was selected for fire assay by lead (Pb) fusion technique. The amount of gold in each sample was measured by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

Assay results, sample descriptions and sample locations are summarized in Table 2. Assay certificates from the laboratory are appended to this report.

Survey Results

I. Geology

Previous work by the excavator in 2016 uncovered a complex outcrop of altered and deformed mafic metavolcanic rocks and minor thin interbeds of metasedimentary rocks (Figure 9). Original textures of the parent rock have been mostly obscured by multiple events of varying degrees of hydrothermal alteration, brecciation, faulting and shearing. The outcrop is pervasively carbonated and mineralized with fine disseminated pyrite and hematite. Chlorite is present in fractures and slip surfaces associated with shearing and faulting. Carbonate is pervasive and infills fractures, occurs as stringers and is a large component of matrix material in brecciated sections of the outcrop. Several generations of quartz veining exist including:

- 1.) folded quartz veining with marginal silicification, pyrite and gold mineralization (Figure 10).
- 2.) quartz-carbonate veining crossing foliation and offset by cross cutting faults (Figure 11).
- 3.) fracture-filling quartz-carbonate stringers which are common throughout the outcrop with associated disseminated to stringered pyrite, hematite and anomalous gold (Figure 12).
- 4.) with calcite as late stage stringers which cross most other features in the outcrop.



Figure 9: Mugasi Trench, Northeast corner, **SZ** :shear zone
Tannahill-Holloway Twp., Ontario
Looking west

Brandy Brook Mines Limited

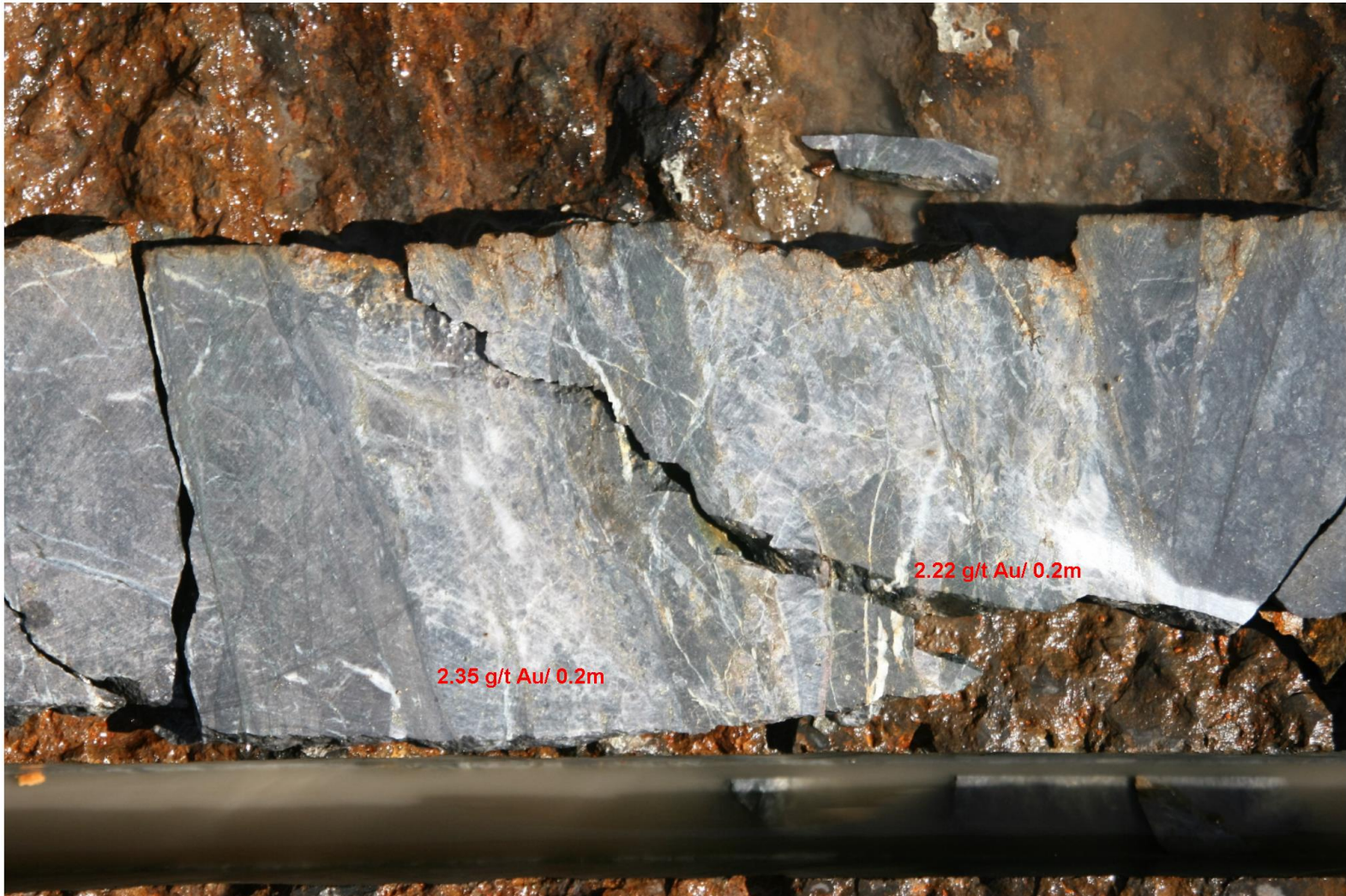


Figure 10: Magusi Trench, Cut C, quartz vein and silicification + pyrite
Tannahill-Holloway Twps., Ontario
Looking east

Brandy Brook Mines Limited



**Figure 11: Magusi Trench, Quartz-carbonate vein offset by faulting.
Tannahill-Holloway Twp's., Ontario
Looking northwest**

Brandy Brook Mines Limited



Figure 12: Magusi Trench, quartz-carbonate stringers and fracture-filling with pyrite and hematite. Note the crosscutting white calcite stringers. Tannahill-Holloway Twp's., Ontario

Brandy Brook Mines Limited

The trenching program in August, 2017 focused on uncovering the southeast and southwest corners of the trench. Additional highly altered rock and a unit of less-altered pillowed basalt were exposed. The unit is light grey and visible in the lower right section of Figure 8. The unit is approximately 2.5 m wide, striking 86° and dips steeply at 80° south. The tops of the pillows are recognizable in the southeast section of the trench and are orientated towards the south. In the southwest section of the trench, the unit is fine-grained and slightly more altered by carbonate and shearing. Quartz stringers with pyrite occur along the contact of the pillowed basalt with the altered rocks situated to the north. Strongly altered rocks also sit to the south of the basalt unit.

II. Rock Samples

During the recent trenching program this summer, additional gold-bearing sulphide and quartz mineralization was uncovered in the southeast section of the trench (Figure 13). Gold values obtained from the new channel cuts ranged 0.004 ppm to 2.90 ppm (g/t). A summary of the assay results for rock samples collected this summer is provided in Table 2 and the sample location are provided on trench plans appended to this report.

Gold mineralization in the trench is mostly associated with pyrite mineralization (Figure 13). Pyrite occurs in a variety of settings throughout the trench. The best gold values are associated with semi-massive pyrite stringers and pods in the southeast section (Figure 14). Good gold values also occur with a quartz vein and silicification which appears to cross the semi-massive pyrite mineralization in the southeast section (Figure 10). Codyre (2014) noted native gold in pyrite crystals in cherty material in a sample collected in 2014 from the discovery outcrop located in the northeast section of the trench. Gold also has been detected with pyrite in the shear zone crossing the northeast corner of the trench. Anomalous gold values occur with disseminated pyrite associated with carbonate alteration and stringers occurring throughout the outcrop. Hematite and trace amounts of chalcopyrite are sometimes present in gold-bearing samples.



Figure 13: Magusi Trench, Southeast section, additional quartz, silicification and sulphide mineralization. Dark rusty areas are semi-massive pyrite mineralization. Tannahill-Holloway Twp.'s, Ontario
Look west

Brandy Brook Mines Limited

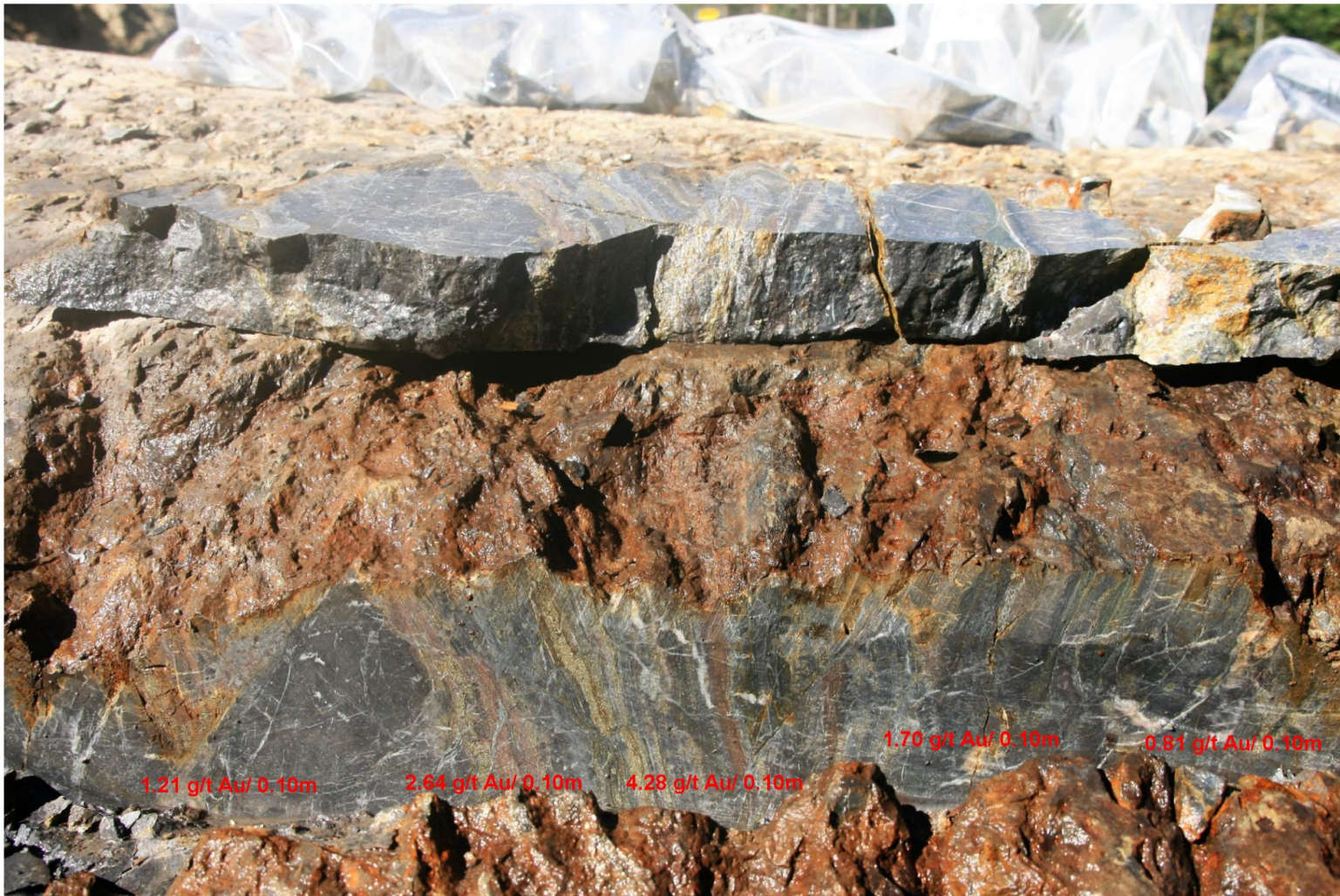


Figure 14: Magusi Trench. Semi-massive pyrite mineralization.
Cut B.
Tannahill-Holloway Twp.'s., Ontario
Looking west

Brandy Brook Mines Limited

Table 2.
Rock Sample Locations, Descriptions and Assay Results
Trenching Program: Claim 4255937, Tannahill Twp., Ontario
Brandy Brook Mines Limited

Sample Number	UTM	Sample Type	Width	Description	Assay Au ppm
MG-1	594376mE 5367020mN	MG-17-1	10 cm	Carbonated and fractured basalt, Tr.-5% disseminated pyrite.	0.050
MG-2	594376mE 5367019.85mN	MG-17-1	15 cm	Silicified wallrock + fine grey quartz stringer < 1 cm wide, 1-5% pyrite as blebs and discontinuous stringers. Trace chalcopyrite	0.109
MG-3	594376mE 5367019.75mN	MG-17-1	10 cm	Silicified wallrock + fine grey quartz stringer < 1 cm wide, 5-10% pyrite as blebs and discontinuous stringers. Trace chalcopyrite	0.281
MG-4	594376mE 5367019.6mN	MG-17-1	15 cm	Silicified wallrock + fine grey quartz stringer < 1 cm wide, 1-10% pyrite as blebs and discontinuous stringers. Trace chalcopyrite.	0.115
MG-5	594374mE 5367019.8mN	MG-17-2	20 cm	Carbonated and fractured basalt, Tr.-5% disseminated pyrite.	0.004
MG-6	594374mE 5367019.6mN	MG-17-2	20 cm	Silicified, calcite filled fractures and stringers in wallrock, Tr-10% coarser pyrite	0.004
MG-7	594374mE 5367019.4mN	MG-17-2	20 cm	Silicified, brecciated, calcite filled fractures and stringers, Tr-10% coarser pyrite, several stringers <0.5 cm wide.	0.017
MG-8	594374mE 5367019.2mN	MG-17-2	20 cm	Silicified, brecciated, calcite filled fractures and stringers, Tr-10% coarser pyrite, several stringers <0.5 cm wide.	0.155
MG-9	594374mE 5367019.0mN	MG-17-2	20 cm	Silicified, brecciated, calcite filled fractures and stringers, 2-10% coarser pyrite, slight increase in sulphide stringers and blebs.	0.401
MG-10	594374mE 5367018.8mN	MG-17-2	20 cm	Silicified, brecciated, calcite filled fractures and stringers, 2-10% coarser pyrite, several stringers <0.5 cm wide. Trace chalcopyrite	0.178
MG-11	594374mE 5367018.6mN	MG-17-2	20 cm	Fractured basalt, carbonated. Tr. 5% disseminated pyrite, trace hematite.	0.020
MG-12	594384.2mE 5367024.2mN	MG-17-3	20 cm	Carbonated and fractured basalt with calcite filled fractures, weakly silicified. Tr.-5% disseminated pyrite, trace chalcopyrite	0.317
MG-13	594384.2mE 5367024mN	MG-17-3	20 cm	Carbonated and fractured basalt, Tr.-5% disseminated pyrite.	0.300
MG-14	594384.2mE 5367023.8mN	MG-17-3	20 cm	Increasing brecciation, weak silicification, 1-5% disseminated to blebs of pyrite, trace chalcopyrite	0.199

Table 2. continued
Rock Sample Locations, Descriptions and Assay Results
Trenching Program: Claim 4255937, Tannahill Twp., Ontario
Brandy Brook Mines Limited

Sample Number	UTM	Sample Type	Width	Description	Assay Au ppm
MG-15	594384.2mE 5367023.6mN	MG-17-3	20 cm	Increasing brecciation, weak silicification, 1-5% disseminated to blebs of pyrite, trace chalcopyrite	0.804
MG-16	594384.2mE 5367023.4mN	MG-17-3	20 cm	Fractured basalt, carbonated. Tr. 5% disseminated pyrite, trace hematite.	0.499
MG-17	594384.2mE 5367023.2mN	MG-17-3	25 cm	5-10% coarse pyrite blebs in silicified, carbonated and sheared mafic metavolcanic adjacent vein.	1.54
MG-18	594384.2mE 5367023mN	MG-17-3	28 cm	Quartz vein and silicification, brecciated, 5-15% pyrite, trace chalcopyrite.	0.276
MG-19	594384.2mE 5367022.8mN	MG-17-3	22 cm	5-10% coarse pyrite blebs in silicified, carbonated and sheared mafic metavolcanic adjacent vein.	2.90
MG-20	594384.2mE 5367022.6mN	MG-17-3	20 cm	Fractured basalt, weak silicification, carbonated. Tr. 5% disseminated pyrite, trace hematite.	0.705
MG-21	594384.2mE 5367022.4mN	MG-17-3	20 cm	Increasing brecciation and silicification, broken quartz stringers, trace-5% disseminated to blebs of pyrite, trace chalcopyrite.	0.332
MG-22	594385.5mE 5367025.6mN	MG-17-4	15 cm	Fractured basalt, carbonated. Tr. 5% disseminated pyrite	0.012
MG-23	594385.55mE 5367025.45mN	MG-17-4	15 cm	Increasing silicification and brecciation adjacent to fracture, 1-5% disseminated pyrite, occasional bleb.	0.066
MG-24	594385.6mE 5367025.3mN	MG-17-4	15 cm	Silicified adjacent to fracture, 1 cm quartz-calcite stringer in fracture. Trace to 5% pyrite, some coarser blebs	0.125
MG-25	594385.65mE 5367025.2mN	MG-17-4	15 cm	Silicified, brecciated, calcite filled fractures and stringers, 10-20% coarser pyrite, several stringers <0.5 cm wide, trace chalcopyrite	0.502
MG-26	594385.7mE 5367025.1mN	MG-17-4	15 cm	Silicified, brecciated, calcite filled fractures and stringers, 10-20% coarser pyrite, several stringers <0.5 cm wide, trace chalcopyrite	0.008

Table 2. continued
Rock Sample Locations, Descriptions and Assay Results
Trenching Program: Claim 4255937, Tannahill Twp., Ontario
Brandy Brook Mines Limited

Sample Number	UTM	Sample Type	Width	Description	Assay Au ppm
MG-27	594385mE 5367025.4mN	MG-17-5	10 cm	Silicified, brecciated, calcite filled fractures and stringers, Trace to 1% disseminated pyrite.	0.052
MG-28	594385mE 5367025.3mN	MG-17-5	15 cm	Increasing silicification and brecciation adjacent to fracture, 1-5% disseminated pyrite, occasional bleb.	0.157
MG-29	594385mE 5367025.15mN	MG-17-5	15 cm	Increasing silicification and brecciation, fragments of broken quartz stringers, 1-10% disseminated pyrite, occasional bleb and stringer, trace chalcopyrite..	0.066
MG-30	594385mE 5367025mN	MG-17-5	15 cm	Good silicification, brecciated, several < 1cm wide quartz stringers, 10-20% disseminated pyrite, blebs and stringers, trace chalcopyrite, traces fuchsite.	0.513
MG-31	594385mE 5367024.85mN	MG-17-5	15 cm	Brecciated, several < 1cm wide quartz stringers, 5-10% disseminated pyrite	0.136
MG-32	594385mE 5367024.7mN	MG-17-5	15 cm	Increasing silicification and brecciation, fragments of broken quartz stringers, 5-20% disseminated pyrite, occasional bleb and stringer, trace chalcopyrite..	0.184
MG-33	594385mE 5367025.55N	MG-17-5	15 cm	Increasing silicification and brecciation, fragments of broken quartz stringers, 5-10% disseminated pyrite, occasional bleb and stringer, trace chalcopyrite..	0.156
MG-34	594385mE 5367025.4mN	MG-17-5	15 cm	Good silicification, brecciated, several < 1cm wide quartz stringers, 5-10% disseminated pyrite, blebs and stringers, trace chalcopyrite.	0.262
MG-35	594385mE 5367025.25mN	MG-17-5	15 cm	Good silicification, brecciated, several < 1cm wide quartz stringers, 5-10% disseminated pyrite, blebs and stringers, trace chalcopyrite.	0.643
MG-36	594384.8mE 5367022.1mN	MG-17-6	20 cm	Good silicification, brecciated, several < 1cm wide quartz stringers, 5-25% disseminated pyrite, blebs and stringers, trace-1% chalcopyrite.	0.502
MG-37	594384.8mE 5367021.9mN	MG-17-6	20 cm	Good silicification, brecciated, several < 1cm wide quartz stringers, 5-25% disseminated pyrite, blebs and stringers, trace-1% chalcopyrite.	0.956
MG-38	594384.8mE 5367021.7mN	MG-17-6	20 cm	Good silicification, brecciated, several < 1cm wide quartz stringers, 5-25% disseminated pyrite, blebs and stringers, trace-1% chalcopyrite.	0.063
MG-39	594384.8mE 5367021.5mN	MG-17-6	20 cm	8 cm wide fine grey quartz vein + 20% pyrite, stringer-like sulphides, pink carbonate	1.16
MG-40	594384.8mE 5367021.3mN	MG-17-6	20 cm	Silicified, carbonated and fractured basalt, Tr. -5% disseminated pyrite, occasional coarse bleb.	0.322
MG-41	594384.8mE 5367021.1mN	MG-17-6	20 cm	Quartz vein contact, 1-5% pyrite, blebs and disseminated, half wallrock – half vein	0.652
MG-42	594384.8mE 5367020.9mN	MG-17-6	20 cm	Quartz vein contact, 1-5% pyrite, blebs and disseminated, half wallrock – half vein	1.25

Table 2. continued
Rock Sample Locations, Descriptions and Assay Results
Trenching Program: Claim 4255937, Tannahill Twp., Ontario
Brandy Brook Mines Limited

Sample Number	UTM	Sample Type	Width	Description	Assay Au ppm
MG-43	594384.8mE 5367020.7mN	MG-17-6	20 cm	Silicified, brecciated, calcite filled fractures and stringers, Trace to 10% disseminated pyrite.	1.90
MG-44	594384.8mE 5367020.5mN	MG-17-6	20 cm	Silicified, brecciated, calcite filled fractures and stringers, 1 to 10% disseminated pyrite and blebs.	0.641
MG-45	594384.5mE 5367020.6mN	MG-17-7	20 cm	Good silicification, brecciated, several < 1cm wide quartz stringers, 5-10% disseminated pyrite, blebs and stringers, trace fuchsite.	1.23
MG-46	594384.5mE 5367020.6mN	MG-17-7	20 cm	Good silicification, brecciated, several < 1cm wide quartz stringers, 5-10% disseminated pyrite, blebs and stringers, trace fuchsite.	0.211
MG-47	594384.5mE 5367020.6mN	MG-17-7	20 cm	Good silicification, brecciated, several < 1cm wide quartz stringers, 5-10% disseminated pyrite, blebs and stringers, trace fuchsite.	0.080
MG-48	594384.5mE 5367020.6mN	MG-17-7	20 cm	Contact between highly sheared, carbonated and fractured basalt with trace. -5% disseminated pyrite and less altered pillow basalt with calcite filled fractures and 1-5% disseminated pyrite.	0.344
MG-49	594384.5mE 5367020.6mN	MG-17-7	20 cm	Less altered pillow basalt with calcite filled fractures and 1-5% disseminated pyrite.	0.070
MG-50	594378mE 5367020.1mN	MG-17-8	20 cm	Pillowed basalt with weak Fe-carbonate alteration, fractured with quartz + calcite infilling, trace – 5% disseminated pyrite.	0.211
MG-51	594378mE 5367019.9mN	MG-17-8	20 cm	Pillowed basalt with weak Fe-carbonate alteration, 5 cm wide quartz stringer with <5% pyrite. Wallrock fractured with quartz + calcite infilling, trace – 5% disseminated pyrite in basalt.	0.098
MG-52	594378mE 5367019.7mN	MG-17-8	20 cm	Pillowed basalt with weak Fe-carbonate alteration, fractured with quartz + calcite infilling, trace – 5% disseminated pyrite.	0.185
MG-53	594375.9mE 5367020mN	MG-17-9	20 cm	Pillowed basalt with weak Fe-carbonate alteration, fractured with quartz + calcite infilling, trace – 5% disseminated pyrite. Less altered pillowed basalt to the north.	0.201
MG-54	594375.9mE 5367019.8mN	MG-17-9	20 cm	Pillowed basalt with weak Fe-carbonate alteration, 5 cm wide quartz stringer with <5% pyrite, same stringer as MG-51. Wallrock fractured with quartz + calcite infilling, trace – 5% disseminated pyrite in basalt.	0.430
MG-55	594375.9mE 5367019.6mN	MG-17-9	20 cm	Pillowed basalt with weak Fe-carbonate alteration, fractured with quartz + calcite infilling, less pyrite, trace – 1% disseminated pyrite.	0.430
MG-56	594375.9mE 5367019.4mN	MG-17-9	20 cm	Pillowed basalt with weak Fe-carbonate alteration, fractured with quartz + calcite infilling, less pyrite, trace – 1% disseminated pyrite.	0.010

Table 2. continued
Rock Sample Locations, Descriptions and Assay Results
Trenching Program: Claim 4255937, Tannahill Twp., Ontario
Brandy Brook Mines Limited

Sample Number	UTM	Sample Type	Width	Description	Assay Au ppm
MG-57	594367mE 5367017mN	MG-17-10	20 cm	Shear basalt, weak silicification, brecciated, calcite filled fractures and stringers, Trace to 5% disseminated pyrite. occasional <0.5 cm wide pyrite stringers and bleb to disseminated .	0.006
MG-58	594367mE 5367017mN	MG-17-10	20 cm	Shear basalt, weak silicification, brecciated, calcite filled fractures, quartz stringers, Trace to 5% disseminated pyrite. Slight increase of <0.5 cm wide pyrite stringers and bleb to disseminated.	0.024
MG-59	594367mE 5367017mN	MG-17-10	20 cm	Shear basalt, weak silicification, brecciated, calcite filled fractures and stringers, Trace to 5% disseminated pyrite. occasional <0.5 cm wide pyrite stringer and bleb to disseminated . Less altered basalt to south, contact under water.	0.123
MG-60	594377mE 5367017mN	Grab, best	1.5 m	Grab from southeast corner of trench now recovered with dirt to stabilized walls. Brecciated, silicified basalt with quartz-carbonate stringers, similar to ubiquitous material exposed to the north. Trace – 1% disseminated pyrite, fine specular hematite on cleavages.	0.040
MG-61	594364.2mE 5367015mN	Grab, best	0.5 m	Southwest corner of the trench. Weakly silicified, carbonated basalt contacting less altered basalt to the north with several < 1cm wide quartz-carbonate stringers, trace to 1% disseminated pyrite.	0.029

Discussion of Results

The outcrop exposed in the Magusi Trench is strongly altered and deformed by hydrothermal alteration and faulting and is part of a gold-bearing structure of unknown dimensions. The gold mineralization is associated with pyrite mineralization, quartz and silicification and is strongest in the southeast section of the trench. The mineralization strikes eastward and appears to be strengthening in this direction, however overburden depths are also increasing in this direction and further exposure by trenching may not be possible. The outcrop exposed in the southwest section of the trench is following a topographic ridge and further trenching maybe possible in this direction.

Conclusions and Recommendations

The trenching program has exposed an outcrop of mafic metavolcanic rocks with extensive alteration and faulting. Assays of rock samples collected at various locations show wide-spread anomalous gold mineralization. Higher grade gold values > 2.0 g/t has been detected with pyrite mineralization in quartz, silicification and potential metasedimentary rocks.

The results of the trenching program are very encouraging and further work is warranted. First, the trench could be expanded to the southwest since the outcrop in this area follows a topographic ridge. Second, additional structural mapping of the outcrop is warranted. This information would be useful to guide drill programs in the area. Third, several short drill holes aren't warranted to test the depth and strike extensions of the gold-bearing mineralization in the trench.

Respectfully submitted,



Robert Dillman B.Sc. P.Geo.

October 20, 2017

Robert J. Dillman P.Geo, 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** at 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 1985.

5. I have worked continuously as a **Professional Geologist** for 26 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 The 2017 Mechanised Trenching And Rock Sampling
Program On The Magusi Trench, Tannahill Property, Tannahill & Holloway Township's,
Larder Lake Mining Division, Abitibi Greenstone Belt,
Northern Ontario

dated, October 20, 2017

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 20th day of October, 2017



Robert James Dillman
Arjadee Prospecting

P.Geo



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CLIENT NAME: MISC AGAT CLIENT ON, ON

ATTENTION TO: Robert Dillman

PROJECT:

AGAT WORK ORDER: 17T252126

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Oct 11, 2017

PAGES (INCLUDING COVER): 28

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

NOTES

pages 2-3 MG-64 to MG-75 Gagne showing, NiCu showing
Multi-element assays

pages 4-15 G-1 to G-77 Gagne showing, soil samples

pages 16-17 Gold assays, Magusi Trench

page 18 Gold assays, new trench, Gagne showing, NiCu showing.
MG-64 to MG-75

page 19 to 28 Quality Assurance - Replicate

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: 17T252126
PROJECT:

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

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

DATE SAMPLED: Aug 22, 2017 DATE RECEIVED: Aug 23, 2017 DATE REPORTED: Oct 11, 2017 SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Au ppm 0.001
MG-1 (8658774)		0.050
MG-2 (8658775)		0.109
MG-3 (8658776)		0.281
MG-4 (8658777)		0.115
MG-5 (8658778)		0.004
MG-6 (8658779)		0.004
MG-7 (8658780)		0.017
MG-8 (8658781)		0.155
MG-9 (8658782)		0.401
MG-10 (8658783)		0.178
MG-11 (8658784)		0.020
MG-12 (8658785)		0.317
MG-13 (8658786)		0.300
MG-14 (8658787)		0.199
MG-15 (8658788)		0.804
MG-16 (8658789)		0.499
MG-17 (8658790)		1.54
MG-18 (8658791)		0.276
MG-19 (8658792)		2.90
MG-20 (8658793)		0.705
MG-21 (8658794)		0.332
MG-22 (8658795)		0.012
MG-23 (8658796)		0.066
MG-24 (8658797)		0.125
MG-25 (8658798)		0.502
MG-26 (8658799)		0.008
MG-27 (8658800)		0.052
MG-28 (8658801)		0.157
MG-29 (8658802)		0.066
MG-30 (8658803)		0.513
MG-31 (8658804)		0.136
MG-32 (8658805)		0.184

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 17T252126
PROJECT:

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

ATTENTION TO: Robert Dillman

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

DATE SAMPLED: Aug 22, 2017	DATE RECEIVED: Aug 23, 2017	DATE REPORTED: Oct 11, 2017	SAMPLE TYPE: Other
Sample ID (AGAT ID)	Analyte: Unit: RDL:	Au ppm 0.001	
MG-33 (8658806)		0.156	
MG-34 (8658807)		0.262	
MG-35 (8658808)		0.643	
MG-36 (8658809)		0.502	
MG-37 (8658810)		0.956	
MG-38 (8658811)		0.083	
MG-39 (8658812)		1.16	
MG-40 (8658813)		0.322	
MG-41 (8658814)		0.652	
MG-42 (8658815)		1.25	
MG-43 (8658816)		1.90	
MG-44 (8658817)		0.641	
MG-45 (8658818)		1.23	
MG-46 (8658819)		0.211	
MG-47 (8658820)		0.080	
MG-48 (8658821)		0.344	
MG-49 (8658822)		0.070	
MG-50 (8658823)		0.211	
MG-51 (8658824)		0.098	
MG-52 (8658825)		0.185	
MG-53 (8658826)		0.201	
MG-54 (8658827)		0.430	
MG-55 (8658828)		0.430	
MG-56 (8658829)		0.019	
MG-57 (8658830)		0.006	
MG-58 (8658831)		0.024	
MG-59 (8658832)		0.123	
MG-60 (8658833)		0.040	
MG-61 (8658834)		0.029	
MG-62 (8658835)		0.783	
MG-63 (8658836)		0.004	
MG-64 (8658837)		0.019	

Certified By:



Quality Assurance - Certified Reference materials
 AGAT WORK ORDER: 17T252126
 PROJECT:

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

U	63.1	77.8	123%	80% - 120%	63.1	73.4	116%	80% - 120%	63.1	75.7	120%	80% - 120%	63.1	77.2	122%	80% - 120%
V	61.3	58.4	95%	80% - 120%												
Zn	1156	1193	103%	80% - 120%	1156	1150	99%	80% - 120%	1156	1154	100%	80% - 120%	1156	1232	107%	80% - 120%
Zr					405	506	124%	80% - 120%								
CRM #5 (ref.SOIL)																
Parameter	Expect	Actual	Recovery	Limits												
Ag	406	437	108%	80% - 120%												
Al	242	210	87%	80% - 120%												
As	39.2	37.6	96%	80% - 120%												
Ba	1360	1045	77%	80% - 120%												
Cd	33.7	40.2	119%	80% - 120%												
Cr	108	92	85%	80% - 120%												
Cs	5.04	5.98	119%	80% - 120%												
Cu	1033	1059	103%	80% - 120%												
Fe	154	146	94%	80% - 120%												
Mn	25963	28380	109%	80% - 120%												
Mo	7.58	7.92	105%	80% - 120%												
P	5.48	6.54	119%	80% - 120%												
Pb	1042	1073	103%	80% - 120%												
Pd	1.05	1.16	110%	80% - 120%												
Sb	2.55	2.94	115%	80% - 120%												
Sr	265	295	111%	80% - 120%												
Th	50.8	53.3	105%	80% - 120%												
Ti	1131	1130	100%	80% - 120%												
U	63.1	71.1	112%	80% - 120%												
V	61.3	70.3	114%	80% - 120%												
Zn	1156	1161	100%	80% - 120%												

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

Parameter	CRM #1 (ref.GSP7J)				CRM #2 (ref.GS5Q)				CRM #3 (ref.GSP4C)				CRM #4 (ref.1P5K)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	0.722	0.697	97%	90% - 110%	5.59	5.86	105%	90% - 110%	0.362	0.399	110%	90% - 110%	1.44	1.56	108%	90% - 110%



Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 17T252126

PROJECT:

ATTENTION TO: Robert Dillman

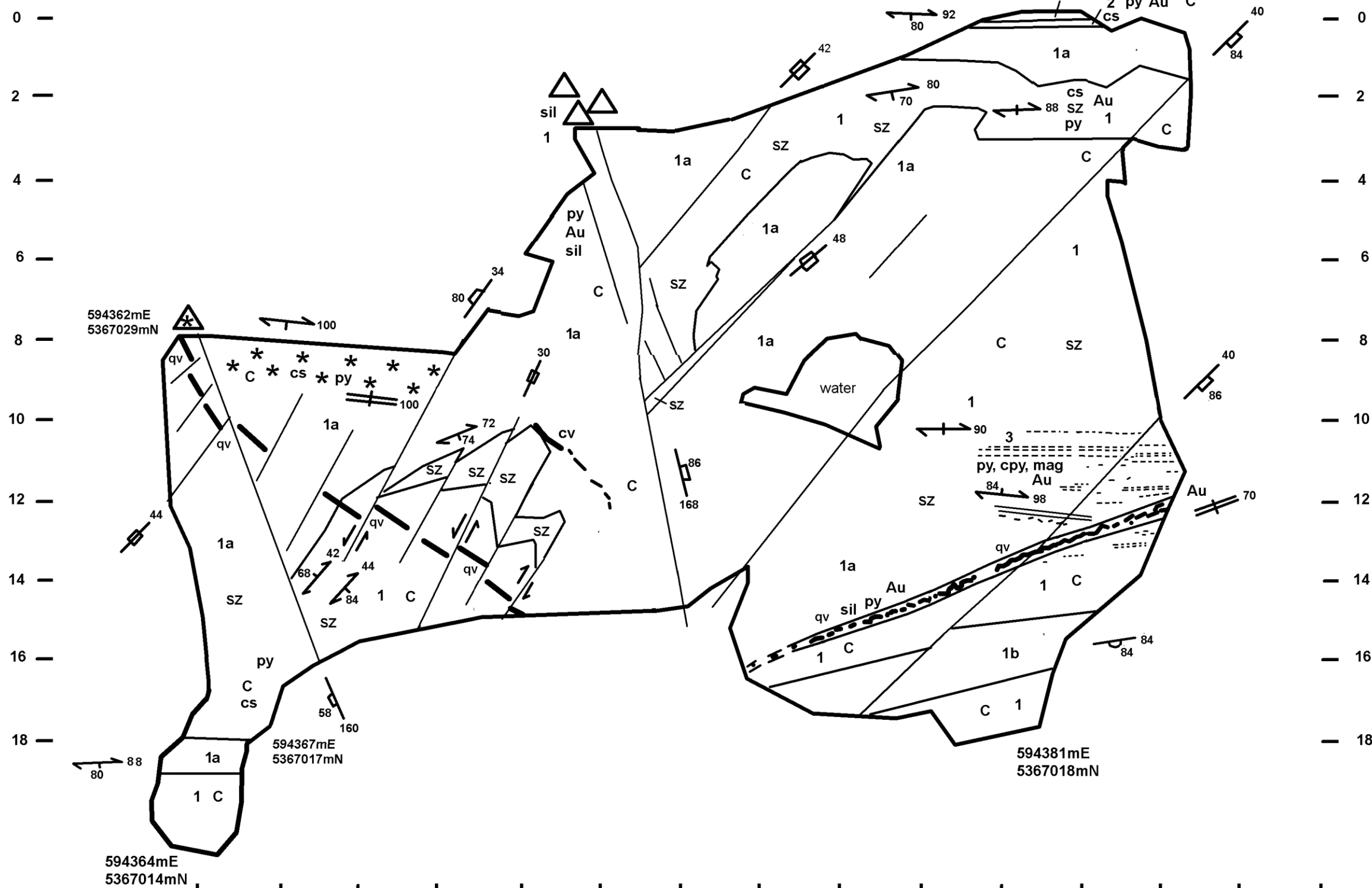
SAMPLING SITE:

SAMPLED BY:

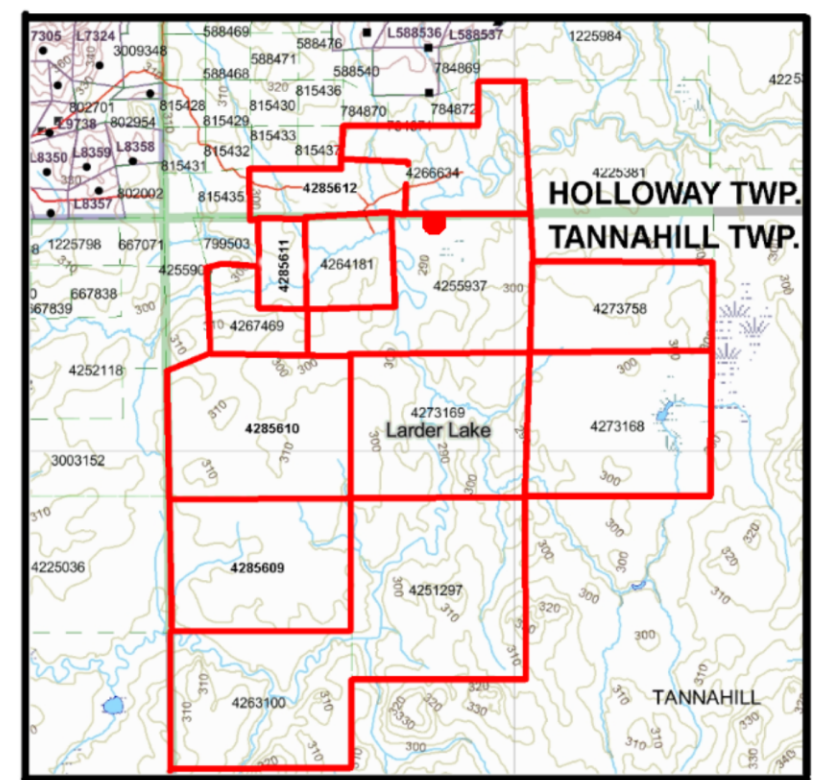
PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Zr			ICP-MS
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES



0 2 4 6 8 10 12 14 16 18 20 22 24 26 28



0 2 4 6 8 10 12 14 16 18 20 22 24 26 28



- LEGEND**
- 3 magnetite - sulphide mineralization
 - 2 altered chert?
 - 1 altered mafic metavolcanic
 - a fine-grained
 - b pillowed
 - fractures, jointing, fault
 - sulphide stringers
 - C carbonate
 - qv quartz vein
 - cv carbonate vein
 - cs carbonate stringers
 - silicified + quartz vein
 - SZ sheared
 - * breccia
 - △ boulder
 - schistsity, foliation
 - jointing, faulting
 - veining
 - pillows

TRENCH PLAN: GEOLOGY	
Tannahill Property Tannahill & Holloway Twp.'s, Ontario	
BRANDY BROOK MINES LIMITED	
Date: Oct, 2016 revised: Aug 2017	Survey by: RJD JMC
Scale 1 cm = 100 cm	Drawn by: RJD

NAD 83 ZONE 17

