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N.T.S. 32D05

**REPORT ON ROCK SAMPLING
GAGNE-ST. AMANT Cu-Ag-Zn-Co OCCURRENCE
THE 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**

May 10, 2017

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Summary

In late September 2016, Brandy Brook Mines Limited completed a channel sampling program on section of the Gagne-St. Amant Cu-Ag-Au occurrence on claim 4251297. Using a diamond bladed rock saw, a total of 17 rock samples were cut from the outcrop in 4 separate channel cuts. Assays for various elements ranged: 4.43% Cu, 29.5 ppm Ag, 1,020 ppm Zn, 719 ppm Ni, 378 ppm Co and 0.126 ppm Au over widths of 0.20 metres or more.

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.

The property has several access points via logging roads connecting with Highway 672. The Roscoe Road, also known as the Magusi River Road, is the largest logging road in the area and crosses Tannahill Township 1.2 km's south of the property. An over-grown logging road located 300 metres west of the 18 km marker on the Roscoe Road provides ATV access to the south section of the property. At approximately 2 km north along this route, a trail has been cut from the logging road to the Gagne-St. Amant trench on the Magusi River.

Claim Ownership and Logistics

The Tannahill Property consists of nine contiguous unpatented mining claims covering a total area of 1,376 hectares (Figure 2). Claim logistics is 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. There are no buildings or people living on the property. There are no hydro transmission lines to the property. The closest transmission line is approximately 5 km's west of the property.

Large areas of the property have been logged at various times over the last decade. The most recent logging operations occurred in the winter of 2013. The recently logged areas have been mostly clear-cut and only isolated patches of old-growth forest still remain. The old-growth areas have been left to act as boundaries between logged areas and waterways crossing the property. Trees within old-growth areas include: spruce, pine, poplar, maple, ash and alders. Areas logged a decade ago have been reforested with spruce trees.

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 with thick overburden consisting of clay and till. Outcrop exposure is less than 5%. Most outcrops are found south and east of the Magusi River and in the south section of the property. In these areas, boulder till can be found around some of the outcrops. 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 2704 to 2696 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 northeast-southwest and dip moderately towards the south. A large gabbro pluton occupies the central section of the claim. A north-south orientated diabase dike also 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



Projection: Web Mercator



The Ontario Ministry of Northern Development and Mines shall not be liable in any way for the use of, or reliance upon, this map or any information on this map. This map should not be used for: navigation, a plan of survey, routes, nor locations.

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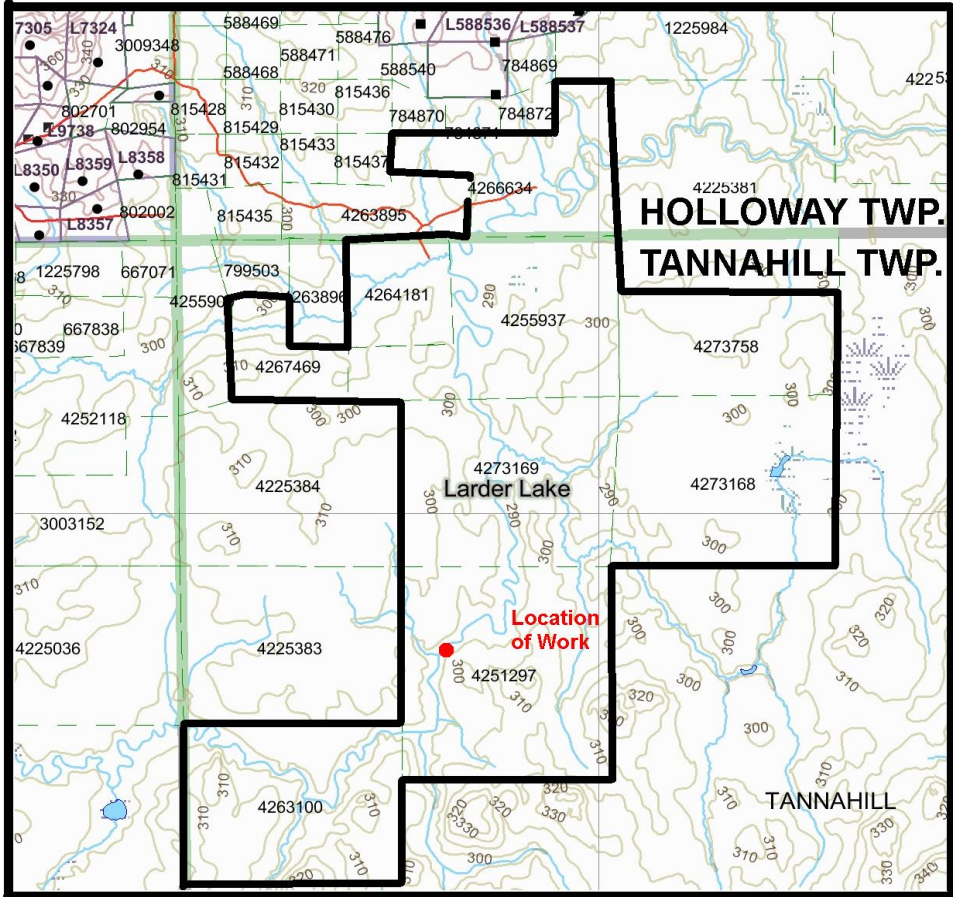


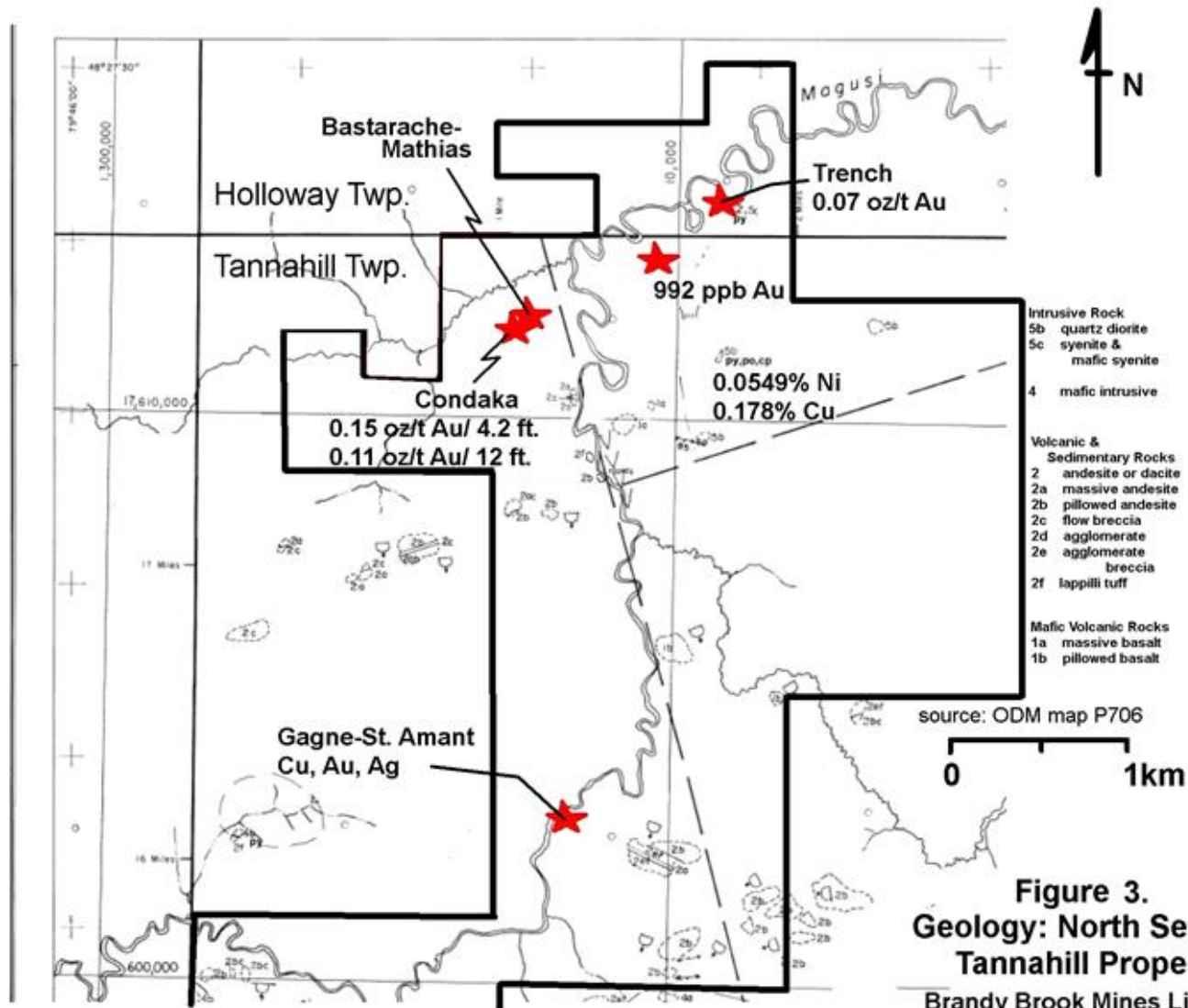
Figure 2.
Claim Map
Tannahill - Holloway Twp.'s
BRANDY BROOK MINES LIMITED

A horizontal scale bar with markings at 0, 1, and 2 km.

NAD 83
5 degree grid

Table 1. Claim Logistics**Tannahill Property****Tannahill & Holloway Twp.'s, Ontario****G-3717****Brandy Brook Mines Limited****May 09, 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. 14, 2017	\$3,200	\$0
4273758	Tannahill	8	Dec. 11, 2014	Dec. 11, 2017	\$3,200	\$0
4251297	Tannahill	16	Nov. 26, 2009	Nov. 26, 2017	\$6,400	\$105
4255937	Tannahill	11	Nov. 14, 2011	Nov. 14, 2017	\$4,400	\$0
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



The property is crossed by east-west and northeast-southwest trending faults associated with south branches of the Destor-Porcupine Fault. Rock units found south of the Magusi River in the north section of the property are carbonated and schistose as a result of shearing.

History of Exploration

Gold was first reported in the area covered by the Tannahill Property in 1981 by prospectors G. Bastarache and A. Mathias who announced they had found low gold values in sheared mafic metavolcanic rock and feldspar porphyry dikes.

In 1982, Canamax Resources Inc. drilled 647 metres with 4 holes close to the Bastarache-Mathias Showing and along the Magusi River. Low gold values were intersected in all the holes

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. Holes drilled by Condaka in the vicinity to the Bastarache-Mathias discovery are reported to have intersected altered basalt assaying 0.15 oz/ton Au over 4.2 feet, 0.112 oz/ton Au over 12 feet and 0.22 oz/ton Au over 4.0 feet in a parallel zone. Condaka also reported an assay of 0.07 oz/ton Au from pyrite mineralization exposed in a trench on the south side of the Magusi River in the northeast corner of the property.

In 1986, prospector Ted Miron of Sudbury discovered gold and copper in pyrite and chalcopyrite mineralization in an outcrop beside the Magusi River in the southwest corner of the Tannahill Property. Mr. Miron performed a limited amount of overburden stripping and reported a gold assay of 0.29 oz/ton from a small pit on the east side of the river.

In 1987, the gold occurrence was re-staked by prospectors: Ivan Gagne and Andre St. Amant. After staking, Gagne and St. Amant proceeded to strip the overburden, power wash the outcrop and blast several trenches across the occurrence. Five rock samples are reported to have assayed: 0.002 to 1.26 oz/ton gold, 0.11 to 0.41 oz/ton silver and 1.01 to 3.80% copper (Assessment File 32D05NE0036).

In 1988, Gagne and Amant completed an airborne magnetometer and VLF electromagnetic (EM) survey over their property. The survey was performed by H. Ferderber Geophysics Ltd. of Val D'or, Quebec. The survey was flown at a terrain clearance of 300 feet (91 metres) on flight lines spaced 440 feet (135 metres) apart. Navigation of the survey was aided by video tracing. Two conductive zones were detected by the survey (Assessment File 32D05NE0039).

Between 1988 and 1992, Gagne and St. Amant drilled nine X-Ray holes. Numerous intersections of chalcopyrite were noted in the drill logs however no assays are reported. (Assessment Files: 32D05NE0032, 32D05NE0045, 32D05NE9357, 32D05NE9358)

In 1988, the Ontario Geological Survey drilled three vertical sonic overburden holes in the area covered by the present Tannahill Property (88-33, 88-34, 88-42). Overburden depth is reported to range 29 to 32 metres thick and consist 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 grains per hole. The samples of the basal till layer taken on the bedrock surface at the bottom of hole contained 4 to 11 gold grains per sample. The 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 also returned anomalous values of Zn, Fe, Cr, Ti and Ni. A bedrock sample of basalt taken at the bottom of hole 88-42 assayed 135 ppm Cu. This hole was drilled close to a northeast trending airborne VLF-EM conductor. A bedrock sample taken at the bottom of overburden hole 88-33 is described as "altered" and "limonitic" however no assays were reported. The basal till sample taken above the altered bedrock assayed 1,200 ppb gold and contained 6 gold grains, one measuring 250 x 400 microns in size. Overburden hole 88-33 is located close to Brandy Brook's new gold discovery situated south of the township boundary in claim 4255937.

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 close to the OGS sonic drill hole 88-42. Rocks samples collected from the Gagne-St. Amant Prospect assayed: <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 over sample widths of 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 no significant gold mineralization was detected.

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 just south of the Tannahill-Holloway Township line on claim 4255937. Rock samples collected from the site assayed up to 0.992 g/t Au. Rock samples from the property were also investigated by Sarah Codyre on behalf of Brandy Brook Mines Limited and to partially fulfill requirements for the Honors Bachelor of Science Degree from the Department of Earth Sciences at the University of Western Ontario.

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 prior to this survey, Brandy Brook used a tracked excavator and exposed a larger area around the new gold showing. Rocks cut with a diamond bladed saw assayed up to 4.28 g/t Au.

Survey Dates and Personnel

The rock sampling program on Gagne-St. Amant prospect was completed in 2 days between September 23 and September 24, 2016.

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

Survey Logistics

The Gagne- St. Amant prospect is located on the east side of the Magusi River and is marked by a stripped area centered on UTM coordinates: 5938861mE, 5363948mN (NAD 83, Zone 17).

A total of 17 rock samples were cut from outcrop using a diamond-bladed gas powered saw. The rock samples were cut in 0.20 metre lengths and to a depth of 12 cm in 4 channel cuts ranging 0.60 to 1.2 metres in length. A trench plan depicting geology and rock sample locations is appended this report. The plans are at a scale of 1 cm : 100 cm.

The rock samples were sent for analysis to AGAT Laboratories located in Mississauga, Ontario. All the samples were assayed for gold by fire assay and analyzed for 45 elements by an Aqua Regia Digest Metals Package. At the lab, each sample was weighed and 3.0 kg was dried at 1,050⁰C. The dried samples were crushed and pulps were made by passing the crushed material through a 2mm screen until 75% of the material was sieved. From the -2mm fraction, 250g was selected for further pulverization until 85% passed through a 75 micron screen. From the -75 micron fraction of each sample, a 50 gram charge was selected for gold analysis and 30 grams was selected for Aqua Regia Digest.

A standard fire assay method using a lead (Pb) fusion technique was used to concentrate the amount of gold in each sample. The amount of gold and various elements were measured by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

Assay certificates from the AGAT Laboratories are appended to this report.

Survey Results

Channel sample plans showing assay results and sample descriptions are appended to this report (pages 33 to 36).

Assay results show a wide distribution of copper across the four channel cuts. Copper values range 76.3 ppm to 4.3% and average 3,802 ppm for all the samples analyzed.

Areas with high copper values also show elevated concentrations of:

Silver: ranging <0.2 ppm to 29.5 ppm, average 4.86 ppm

Cobalt: ranging 38.4 ppm to 378 ppm, average 130 ppm

Nickel: ranging 106 ppm to 719 ppm, average 220 ppm

Zinc: ranging 63.9 to 1,020 ppm, average 240 ppm

Molybdenum: ranging <0.5 ppm to 16.1 ppm, average 2.4 ppm

Vanadium: ranging 64.7 ppm to 130 ppm, averaging 104 ppm

Gold: ranging 0.002 ppm to 0.126 ppm, averaging 0.026 ppm

Cut #3 returned the best values assaying:

Copper: 796 ppm to 4.43%, averaging 1.70% across 1.2 metres

Silver: ranging 0.5 ppm to 29.5 ppm, average 10.9 ppm across 1.2 metres

Cobalt: ranging 48.6 ppm to 378 ppm, average 204 ppm across 1.2 metres

Nickel: ranging 117 ppm to 719 ppm, average 338 ppm across 1.2 metres

Zinc: ranging 99.1 to 1,020 ppm, average 434 ppm across 1.2 metres

Molybdenum: ranging <0.5 ppm to 9.3 ppm, average 2.1 ppm across 1.2 metres

Vanadium: ranging 79.8 ppm to 118 ppm, averaging 97.5 ppm across 1.2 metres

Gold: ranging 0.005 ppm to 0.126 ppm, averaging 0.06 ppm across 1.2 metres

Discussion of Results

Chalcopyrite is the dominant copper mineral although various other copper bearing minerals are present in the outcrop (Figure 4). These include: chalcocite, bornite, malachite, azurite and rare native copper (Figure 5). The copper mineralization occurs with pyrite, pyrrhotite and calcite and is mostly concentrated within the salvages between the basalt pillows (Figure 6). There is also an association with minor fracturing and calcite stringers which trend N40⁰E and crosscut the basalt. These features reflect hydrothermal emplacement and a larger structural control for the mineralization (Figure 7).

Concentrations of silver, nickel, zinc, cobalt, vanadium and molybdenum are associated with and directly proportional to the concentration of copper mineralization. As copper mineralization increases, so do the concentrations of nickel, zinc, cobalt, vanadium and molybdenum.

Although there have been high gold values reported from the outcrop only low to anomalous values were recovered during this program. The best gold values were obtained in samples containing higher concentrations of silver. There appears to be a direct correlation between higher silver and high gold likely resulting from a silver-rich electrum.

Patches of chalcopyrite can be found throughout the entire west section of the outcrop. This sampling program only tested a small section of strong copper mineralization in the center of the outcrop. Copper mineralization can be seen up to the edge of the Magusi River and appears to continue under the riverbed.



Figure 4.
Chalcopyrite and Malachite Mineralization
Gagne - St. Amant Prospect
Tannahill Property
Brandy Brook Mines Limited



Figure 5.
Cut 1. Looking South
Gagne - St. Amant Prospect
Tannahill Property
Brandy Brook Mines Limited

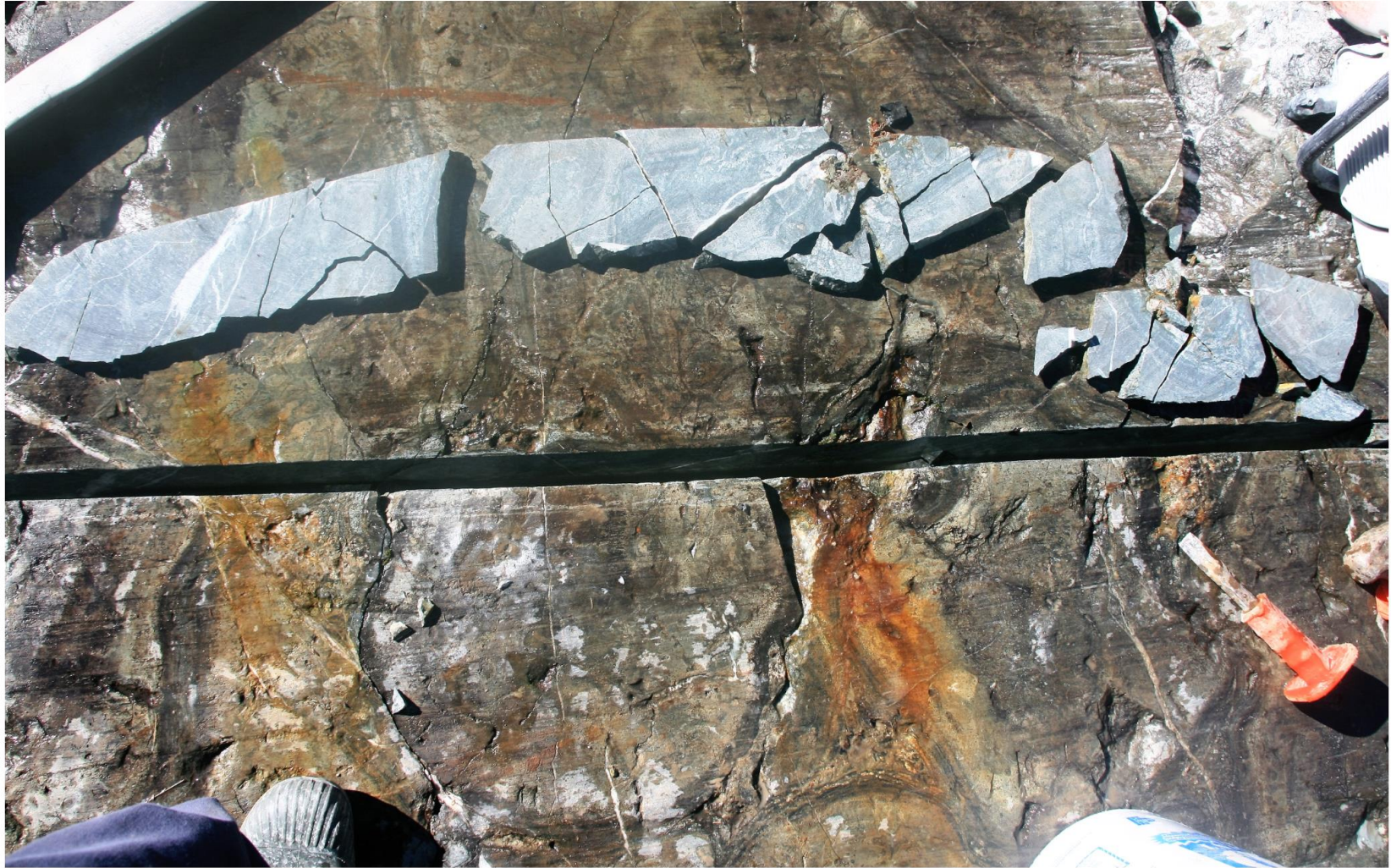


Figure 6.
Cut 2. Looking South
Gagne - St. Amant Prospect
Tannahill Property
Brandy Brook Mines Limited



**Figure 7.
Looking South
Gagne - St. Amant Prospect
Tannahill Property
Brandy Brook Mines Limited**

Conclusions and Recommendations

The channel sampling program further demonstrates the economic potential of the copper and silver mineralization of the Gagne-St. Amant Prospect. The potential of the mineralization is strengthened by appreciable amounts of nickel, zinc, cobalt, vanadium, gold and molybdenum.

Only a small section of the outcrop was sampled during this program. Additional channel sampling is therefore warranted and will provide a better understanding of geology and the economic potential of the mineralization.

Respectfully submitted,

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

Robert Dillman B.Sc. P.Geo.

May 10, 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. Unless stated otherwise, **I am responsible** for the preparation of all sections of the Assessment Report titled:

**Report On Rock Sampling, Gagne-St. Amant Cu-Ag-Zn-Co Occurrence
The Tannahill Property, Tannahill & Holloway Township's,
Larder Lake Mining Division, Abitibi Greenstone Belt,
Northern Ontario**

dated, May 10, 2017

7. 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 10th day of May, 2017



Robert James Dillman P.Geo
Arjadee Prospecting



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

ATTENTION TO: Robert Dillman

PROJECT:

AGAT WORK ORDER: 16T142044

SOLID ANALYSIS REVIEWED BY: Brandon Wang, Spectroscopy Supervisor

DATE REPORTED: Oct 12, 2016

PAGES (INCLUDING COVER): 12

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: 16T142044

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

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

DATE SAMPLED: Sep 27, 2016

DATE RECEIVED: Sep 27, 2016

DATE REPORTED: Oct 12, 2016

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01
GA-1 (7880894)		1.2	3.85	20	7	15	0.8	<1	7.88	<0.5	5	79.6	164	1360	9.02
GA-2 (7880895)		1.2	2.30	4	<5	17	0.7	<1	6.04	<0.5	5	54.4	151	1400	5.11
GA-3 (7880896)		8.9	3.68	58	9	19	0.7	<1	8.70	2.4	4	268	125	>10000	12.2
GA-4 (7880897)		0.7	3.57	6	<5	15	0.6	<1	9.55	<0.5	4	57.6	151	896	7.77
GA-5 (7880898)		<0.2	2.33	2	<5	14	1.4	<1	5.57	<0.5	6	38.4	170	76.3	4.98
GA-6 (7880899)		1.1	3.48	<1	<5	12	1.4	3	7.22	<0.5	7	71.7	157	1740	8.25
GA-7 (7880900)		0.2	2.37	<1	<5	26	1.3	<1	5.24	<0.5	6	47.6	126	112	5.13
GA-8 (7880901)		5.7	3.01	7	6	15	1.1	12	6.65	6.0	6	255	124	>10000	9.67
GA-9 (7880902)		22.7	2.90	11	<5	31	1.1	12	5.89	15.8	8	378	130	>10000	12.6
GA-10 (7880903)		0.5	2.72	2	<5	18	1.3	2	5.34	<0.5	7	48.6	182	796	6.04
GA-11 (7880904)		3.5	4.03	6	8	18	1.2	<1	6.17	1.9	6	220	151	5780	11.6
GA-12 (7880905)		3.4	3.92	5	9	12	1.1	<1	8.21	0.7	5	164	135	5970	11.2
GA-13 (7880906)		29.5	2.71	5	7	10	0.6	24	9.23	17.7	3	190	74.3	>10000	11.2
GA-14 (7880907)		0.6	2.69	<1	<5	21	1.2	<1	5.32	<0.5	7	46.2	155	788	5.90
GA-15 (7880908)		1.2	3.76	<1	7	13	1.7	<1	3.68	<0.5	7	107	150	2010	11.1
GA-16 (7880909)		1.5	2.98	6	5	22	1.0	<1	5.78	<0.5	10	96.4	136	2630	8.10
GA-17 (7880910)		1.1	4.54	13	9	12	1.1	<1	8.03	<0.5	7	90.7	146	2820	11.4

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AGAT WORK ORDER: 16T142044

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

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

DATE SAMPLED: Sep 27, 2016	DATE RECEIVED: Sep 27, 2016						DATE REPORTED: Oct 12, 2016				SAMPLE TYPE: Rock			
Analyte: Unit: RDL:	Ga ppm 5	Hg ppm 1	In ppm 1	K % 0.01	La ppm 1	Li ppm 1	Mg % 0.01	Mn ppm 1	Mo ppm 0.5	Na % 0.01	Ni ppm 0.5	P ppm 10	Pb ppm 0.5	Rb ppm 10
GA-1 (7880894)	17	3	<1	0.10	3	21	2.51	1600	16.1	0.04	175	517	18.4	<10
GA-2 (7880895)	12	<1	1	0.14	3	11	1.35	960	4.3	0.08	122	496	13.1	<10
GA-3 (7880896)	16	3	3	0.16	3	16	2.12	1550	7.1	0.05	369	402	27.5	<10
GA-4 (7880897)	15	<1	<1	0.11	3	20	2.44	1600	<0.5	0.04	148	511	16.4	<10
GA-5 (7880898)	12	2	<1	0.09	3	10	1.29	843	<0.5	0.14	106	438	10.1	<10
GA-6 (7880899)	16	<1	1	0.08	4	16	2.14	1400	<0.5	0.05	161	508	14.6	<10
GA-7 (7880900)	11	4	<1	0.17	3	10	1.22	910	1.0	0.08	115	411	11.9	<10
GA-8 (7880901)	14	3	3	0.09	3	11	1.62	1200	<0.5	0.10	582	434	16.6	<10
GA-9 (7880902)	12	1	<1	0.20	4	11	1.36	1040	9.3	0.10	719	407	13.3	10
GA-10 (7880903)	13	3	<1	0.11	4	13	1.45	1000	3.0	0.10	117	539	11.4	<10
GA-11 (7880904)	17	4	4	0.07	3	18	2.51	1440	<0.5	0.06	213	493	20.3	<10
GA-12 (7880905)	16	2	3	0.05	3	17	2.46	1570	<0.5	0.03	158	448	20.8	<10
GA-13 (7880906)	13	3	4	0.04	2	7	1.67	1250	<0.5	0.02	214	242	12.9	<10
GA-14 (7880907)	13	2	<1	0.09	3	13	1.53	996	<0.5	0.07	110	436	11.0	<10
GA-15 (7880908)	15	3	2	0.05	3	16	2.23	1280	<0.5	0.04	152	461	17.1	<10
GA-16 (7880909)	12	1	<1	0.13	5	14	1.67	1180	<0.5	0.05	127	496	14.2	<10
GA-17 (7880910)	17	4	<1	0.05	4	20	2.97	1840	<0.5	0.02	155	473	19.2	<10

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 16T142044

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

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

DATE SAMPLED: Sep 27, 2016	DATE RECEIVED: Sep 27, 2016		DATE REPORTED: Oct 12, 2016				SAMPLE TYPE: Rock							
Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
RDL:	0.01	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
GA-1 (7880894)	0.85	4	12.1	21	<5	23.6	<10	<10	<5	0.08	<5	11	126	6
GA-2 (7880895)	0.53	5	9.8	<10	<5	22.6	<10	<10	<5	0.07	<5	7	90.7	6
GA-3 (7880896)	4.57	1	12.8	21	<5	17.1	<10	<10	<5	0.08	<5	10	97.7	<1
GA-4 (7880897)	0.55	3	11.2	18	<5	27.9	<10	<10	<5	0.07	<5	11	120	2
GA-5 (7880898)	0.24	2	9.5	13	<5	19.7	<10	<10	<5	0.15	<5	<5	98.9	7
GA-6 (7880899)	0.74	<1	9.9	<10	<5	22.1	<10	<10	<5	0.14	<5	10	127	11
GA-7 (7880900)	0.32	3	8.3	15	<5	18.2	<10	<10	<5	0.13	<5	<5	89.1	4
GA-8 (7880901)	3.86	4	9.0	22	<5	17.9	<10	<10	<5	0.12	<5	8	99.7	4
GA-9 (7880902)	7.40	<1	9.2	41	<5	13.9	<10	<10	<5	0.13	<5	12	79.8	<1
GA-10 (7880903)	0.22	2	9.6	17	<5	22.8	<10	<10	<5	0.14	<5	5	111	8
GA-11 (7880904)	3.23	<1	10.7	23	<5	18.1	<10	<10	<5	0.12	<5	11	118	6
GA-12 (7880905)	2.27	<1	10.4	26	<5	24.2	<10	<10	<5	0.12	<5	13	112	<1
GA-13 (7880906)	5.46	<1	6.9	56	<5	15.6	<10	<10	<5	0.08	5	11	64.7	<1
GA-14 (7880907)	0.23	<1	8.4	<10	<5	21.9	<10	<10	<5	0.13	<5	6	92.1	6
GA-15 (7880908)	0.94	<1	11.8	13	<5	5.4	<10	<10	<5	0.17	<5	7	117	<1
GA-16 (7880909)	0.78	<1	8.7	21	<5	20.2	<10	<10	<5	0.10	<5	8	96.6	5
GA-17 (7880910)	0.54	2	11.1	22	<5	23.5	<10	<10	<5	0.11	<5	11	130	<1

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 16T142044

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

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

DATE SAMPLED: Sep 27, 2016 DATE RECEIVED: Sep 27, 2016 DATE REPORTED: Oct 12, 2016 SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Y ppm 1	Zn ppm 0.5	Zr ppm 5	Cu-OL % 0.01
GA-1 (7880894)		4	121	8	
GA-2 (7880895)		3	76.4	7	
GA-3 (7880896)		4	334	12	1.19
GA-4 (7880897)		3	113	8	
GA-5 (7880898)		4	63.9	10	
GA-6 (7880899)		4	137	12	
GA-7 (7880900)		4	62.8	9	
GA-8 (7880901)		4	337	12	1.29
GA-9 (7880902)		4	675	14	3.23
GA-10 (7880903)		4	99.1	10	
GA-11 (7880904)		4	241	13	
GA-12 (7880905)		4	230	10	
GA-13 (7880906)		3	1020	8	4.43
GA-14 (7880907)		4	83.4	8	
GA-15 (7880908)		4	141	15	
GA-16 (7880909)		4	153	9	
GA-17 (7880910)		4	186	10	

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 16T142044

PROJECT:

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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: Sep 27, 2016	DATE RECEIVED: Sep 27, 2016	DATE REPORTED: Oct 12, 2016	SAMPLE TYPE: Rock
Analyte: Au	Unit: ppm	RDL: 0.001	
TR-1 (7880844)	0.033		
TR-2 (7880845)	0.382		
TR-3 (7880846)	1.77		
TR-4 (7880847)	3.88		
TR-5 (7880848)	2.37		
TR-6 (7880849)	1.19		
TR-7 (7880850)	0.051		
TR-8 (7880851)	0.013		
TR-9 (7880852)	0.011		
TR-10 (7880853)	0.012		
TR-11 (7880854)	0.690		
TR-12 (7880855)	0.178		
TR-13 (7880856)	1.21		
TR-14 (7880857)	2.62		
TR-15 (7880858)	4.28		
TR-16 (7880859)	1.70		
TR-17 (7880860)	0.181		
TR-18 (7880861)	0.041		
TR-19 (7880862)	0.095		
TR-20 (7880863)	0.539		
TR-21 (7880864)	1.81		
TR-22 (7880865)	0.255		
TR-23 (7880866)	0.062		
TR-24 (7880867)	1.22		
TR-25 (7880868)	0.282		
TR-26 (7880869)	0.809		
TR-27 (7880870)	2.22		
TR-28 (7880871)	2.35		
TR-29 (7880872)	0.018		
TR-30 (7880873)	0.017		
TR-31 (7880874)	0.006		
TR-32 (7880875)	0.002		

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 16T142044

PROJECT:

5623 McADAM ROAD
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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: Sep 27, 2016	DATE RECEIVED: Sep 27, 2016	DATE REPORTED: Oct 12, 2016	SAMPLE TYPE: Rock
----------------------------	-----------------------------	-----------------------------	-------------------

	Analyte:	Unit:	RDL:	
	Au	ppm	0.001	
Sample ID (AGAT ID)				
TR-33 (7880876)			0.036	
TR-34 (7880877)			0.011	
TR-35 (7880878)			0.025	
TR-36 (7880879)			0.140	
TR-37 (7880880)			0.476	
TR-38 (7880881)			0.683	
TR-39 (7880882)			1.37	
TR-40 (7880883)			0.542	
TR-41 (7880884)			1.93	
TR-42 (7880885)			1.57	
TR-43 (7880886)			0.021	
TR-44 (7880887)			0.360	
TR-45 (7880888)			0.295	
TR-46 (7880889)			0.180	
TR-47 (7880890)			0.031	
TR-48 (7880891)			0.032	
TR-49 (7880892)			0.093	
TR-50 (7880893)			0.006	
GA-1 (7880894)			0.013	
GA-2 (7880895)			0.004	
GA-3 (7880896)			0.051	
GA-4 (7880897)			0.005	
GA-5 (7880898)			0.002	
GA-6 (7880899)			0.005	
GA-7 (7880900)			0.003	
GA-8 (7880901)			0.009	
GA-9 (7880902)			0.075	
GA-10 (7880903)			0.005	
GA-11 (7880904)			0.046	
GA-12 (7880905)			0.083	
GA-13 (7880906)			0.126	
GA-14 (7880907)			0.003	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 16T142044

PROJECT:

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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: Sep 27, 2016

DATE RECEIVED: Sep 27, 2016

DATE REPORTED: Oct 12, 2016

SAMPLE TYPE: Rock

Analyte:	Unit:	RDL:
Au	ppm	0.001
Sample ID (AGAT ID)		
GA-15 (7880908)		0.014
GA-16 (7880909)		0.012
GA-17 (7880910)		0.008

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

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

Parameter	REPLICATE #1				RPD													
	Sample ID	Original	Replicate	RPD														
Ag	7880894	1.21	1.27	4.8%														
Al	7880894	3.85	3.84	0.3%														
As	7880894	20	25	22.2%														
B	7880894	7	7	0.0%														
Ba	7880894	15	14	6.9%														
Be	7880894	0.8	0.8	0.0%														
Bi	7880894	< 1	< 1	0.0%														
Ca	7880894	7.88	7.85	0.4%														
Cd	7880894	< 0.5	< 0.5	0.0%														
Ce	7880894	5	5	0.0%														
Co	7880894	79.6	80.9	1.6%														
Cr	7880894	164	164	0.0%														
Cu	7880894	1360	1370	0.7%														
Fe	7880894	9.02	8.96	0.7%														
Ga	7880894	17	20	16.2%														
Hg	7880894	3	3	0.0%														
In	7880894	< 1	< 1	0.0%														
K	7880894	0.10	0.10	0.0%														
La	7880894	3	3	0.0%														
Li	7880894	21	20	4.9%														
Mg	7880894	2.51	2.50	0.4%														
Mn	7880894	1600	1580	1.3%														
Mo	7880894	16.1	15.8	1.9%														
Na	7880894	0.045	0.046	2.2%														
Ni	7880894	175	178	1.7%														
P	7880894	517	542	4.7%														
Pb	7880894	18.4	21.5	15.5%														
Rb	7880894	< 10	< 10	0.0%														
S	7880894	0.854	0.869	1.7%														
Sb	7880894	4	< 1															
Sc	7880894	12.1	11.9	1.7%														



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman

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

Parameter	CRM #1 (ref.CDN-ME-1304)				CRM #2 (ref.GSP7K)				CRM #3 (ref.1P5L)								
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits					
Ag	34.0	33.8	99%	90% - 110%													
Cu	2680	2644	99%	90% - 110%													
Pb	2580	2638	102%	90% - 110%													
Zn	2200	2196	100%	90% - 110%													

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

Parameter	CRM #1 (ref.GSP4C)				CRM #2 (ref.GSP7K)				CRM #3 (ref.1P5L)								
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits					
Au	0.362	0.388	107%	90% - 110%	0.694	0.667	96%	90% - 110%	1.53	1.44	94%	90% - 110%					



Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 16T142044

PROJECT:

ATTENTION TO: Robert Dillman

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Ag	MIN-200-12020		ICP/OES
Al	MIN-200-12020		ICP/OES
As	MIN-200-12020		ICP/OES
B	MIN-200-12020		ICP/OES
Ba	MIN-200-12020		ICP/OES
Be	MIN-200-12020		ICP/OES
Bi	MIN-200-12020		ICP/OES
Ca	MIN-200-12020		ICP/OES
Cd	MIN-200-12020		ICP/OES
Ce	MIN-200-12020		ICP/OES
Co	MIN-200-12020		ICP/OES
Cr	MIN-200-12020		ICP/OES
Cu	MIN-200-12020		ICP/OES
Fe	MIN-200-12020		ICP/OES
Ga	MIN-200-12020		ICP/OES
Hg	MIN-200-12020		ICP/OES
In	MIN-200-12020		ICP/OES
K	MIN-200-12020		ICP/OES
La	MIN-200-12020		ICP/OES
Li	MIN-200-12020		ICP/OES
Mg	MIN-200-12020		ICP/OES
Mn	MIN-200-12020		ICP/OES
Mo	MIN-200-12020		ICP/OES
Na	MIN-200-12020		ICP/OES
Ni	MIN-200-12020		ICP/OES
P	MIN-200-12020		ICP/OES
Pb	MIN-200-12020		ICP/OES
Rb	MIN-200-12020		ICP/OES
S	MIN-200-12020		ICP/OES
Sb	MIN-200-12020		ICP/OES
Sc	MIN-200-12020		ICP/OES
Se	MIN-200-12020		ICP/OES
Sn	MIN-200-12020		ICP/OES
Sr	MIN-200-12020		ICP/OES
Ta	MIN-200-12020		ICP/OES
Te	MIN-200-12020		ICP/OES
Th	MIN-200-12020		ICP/OES
Ti	MIN-200-12020		ICP/OES
Tl	MIN-200-12020		ICP/OES
U	MIN-200-12020		ICP/OES
V	MIN-200-12020		ICP/OES
W	MIN-200-12020		ICP/OES
Y	MIN-200-12020		ICP/OES
Zn	MIN-200-12020		ICP/OES
Zr	MIN-200-12020		ICP/OES
Cu-OL	MIN-200-12035/12018		ICP/OES
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES

Gagne - St. Amant Cu-Ag Occurrence
 Brandy Brook Mines Limited
 Tannahill Property
 Tannahill-Holloway Twp.'s, Ontario
 Claim: 4251297

Cut 1.

593861mE
 5363948mN

		0.20 m	0.20 m	0.20 m	100 ⁰ average 0.60 m
		GA-1	GA-2	GA-3	
Cu	ppm %	1360	1400	>10000 1.19	4887 ppm
Ag	ppm	1.2	1.2	8.9	3.8 ppm
Au	ppm	0.013	0.004	0.025	0.014 ppm
Co	ppm	79.6	54.4	268.0	134.0 ppm
Ni	ppm	175	122	369	222 ppm
Zn	ppm	121.0	76.4	334.0	177.1 ppm
Mo	ppm	16.1	4.3	7.1	27.5 ppm
V	ppm	126.0	90.7	97.7	104.8 ppm

patchy cpy,
mal., py in
pillowed
basalt

patchy cpy,
mal., py in
pillowed
basalt

strong cpy,
mal., azur.
in calcite

Gagne - St. Amant Cu-Ag Occurrence
 Brandy Brook Mines Limited
 Tannahill Property
 Tannahill-Holloway Twp.'s, Ontario
 Claim: 4251297

Cut 2.

593860mE
 5363951mN

	285 ⁰	0.20 m	0.20 m	0.20 m	0.20 m	105 ⁰ average 0.80 m
		GA-4	GA-5	GA-6	GA-7	
Cu ppm		896	76.3	1740	112	706.1 ppm
%						
Ag ppm		0.7	<0.2	1.1	0.2	0.5 ppm
Au ppm		0.005	0.002	0.005	0.003	0.004 ppm
Co ppm		57.6	38.4	71.7	47.6	53.8 ppm
Ni ppm		148	106	161	115	132.5 ppm
Zn ppm		113	63.9	137	62.8	94.2 ppm
Mo ppm		<0.5	<0.5	<0.5	1.0	0.25 ppm
V ppm		120	98.9	127	89.1	108.8 ppm
		patchy cpy, py in pillowed basalt	patchy py in pillowed basalt	patchy cpy, mal., py in pillowed basalt	patchy py in pillowed basalt	

Gagne - St. Amant Cu-Ag Occurrence
 Brandy Brook Mines Limited
 Tannahill Property
 Tannahill-Holloway Twp.'s, Ontario
 Claim: 4251297

Cut 3.

593862mE
 5363950mN

		GA-8	GA-9	GA-10	GA-11	GA-12	GA-13	average 1.2 m
Cu	ppm %	>10000 1.29	>10000 3.23	796	5780	5970	>10000 4.43	>10000 1.70 %
Ag	ppm	5.7	22.7	0.5	3.5	3.4	29.5	10.9 ppm
Au	ppm	0.009	0.075	0.005	0.046	0.083	0.126	0.06 ppm
Co	ppm	255	378	48.6	220	164	190	204 ppm
Ni	ppm	582	719	117	213	158	214	338 ppm
Zn	ppm	337	675	99.1	241	230	1020	434 ppm
Mo	ppm	<0.5	9.3	3.0	<0.5	<0.5	<0.5	2.1 ppm
V	ppm	99.7	79.8	111	118	112	64.7	97.5 ppm
		patchy cpy, mal., py in pillowed basalt	patchy cpy, mal., py in pillowed basalt	patchy py in pillowed basalt	patchy cpy, py in pillowed basalt	patchy cpy, py in pillowed basalt	patchy cpy, mal., py in pillowed basalt	

Gagne - St. Amant Cu-Ag Occurrence
 Brandy Brook Mines Limited
 Tannahill Property
 Tannahill-Holloway Twp.'s, Ontario
 Claim: 4251297

Cut 4.

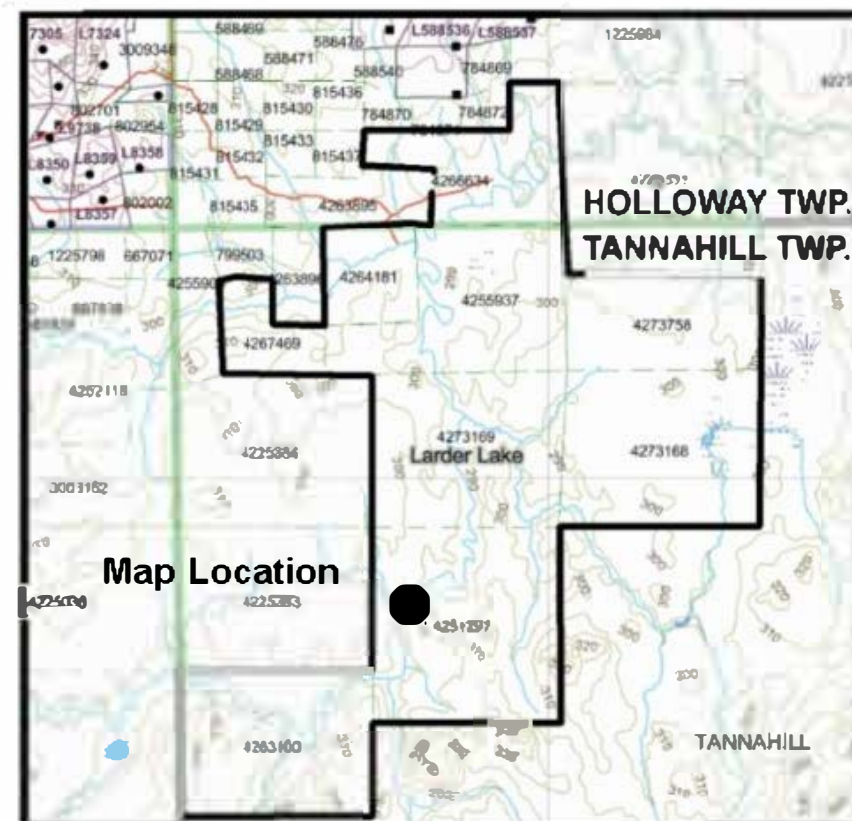
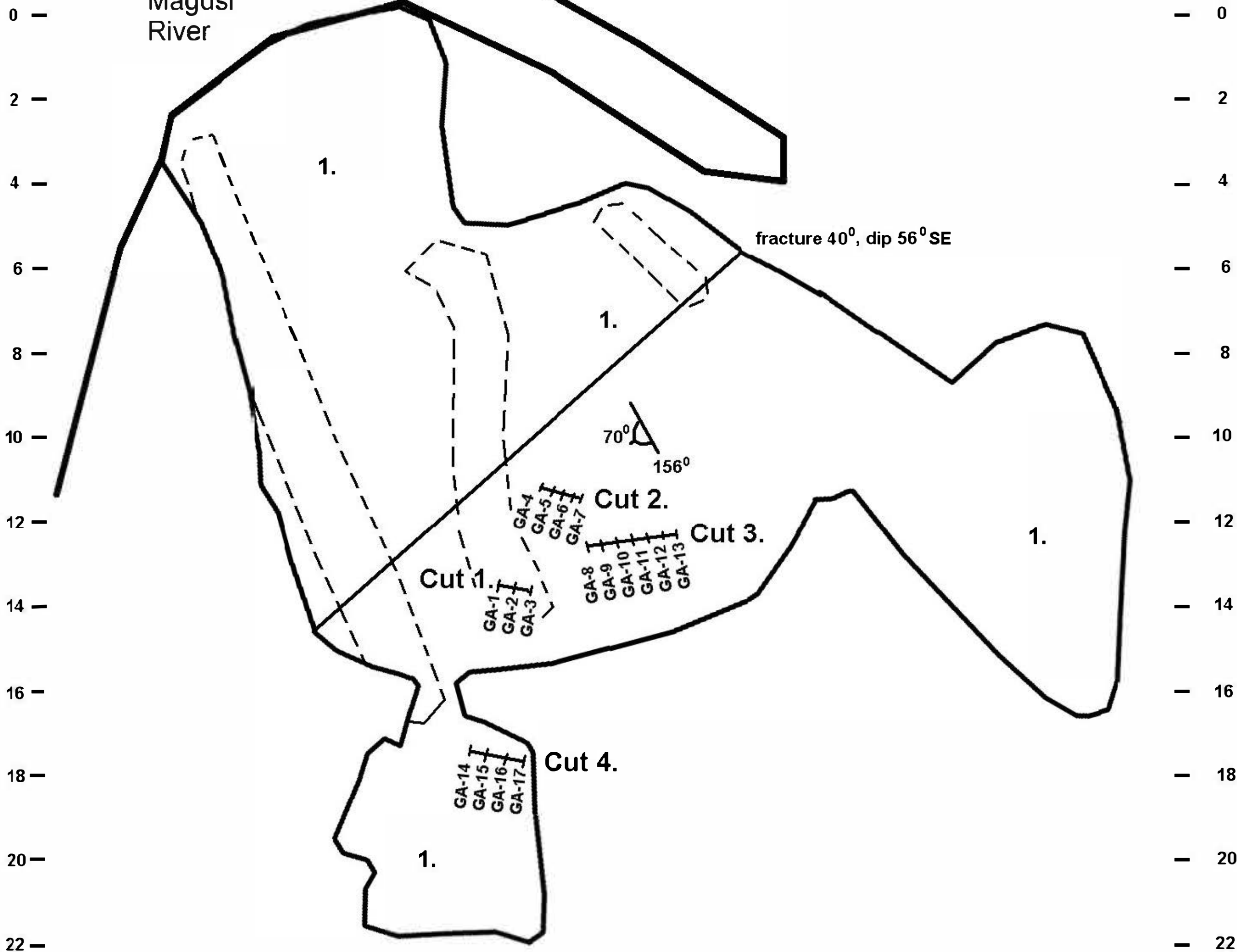
593864mE
 5363945mN

		0.20 m	0.20 m	0.20 m	0.20 m	100 ⁰ average 0.8 m
		GA-14	GA-15	GA-16	GA-17	
280 ⁰						
Cu	ppm	788	2010	2630	2820	2062 ppm
	%					
Ag	ppm	0.6	1.2	1.5	1.1	1.1 ppm
Au	ppm	0.003	0.014	0.012	0.008	0.009 ppm
Co	ppm	46.2	107	96.4	90.7	85.1 ppm
Ni	ppm	110	152	127	155	136 ppm
Zn	ppm	83.4	141	153	186	140.9 ppm
Mo	ppm	<0.5	<0.5	<0.5	<0.5	<0.5 ppm
V	ppm	92.1	117	96.6	130	108.9 ppm
		patchy py in pillowed basalt	patchy cpy, py in pillowed basalt	patchy cpy, py in pillowed basalt	patchy cpy, py in pillowed basalt	



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

Magusi River



 **Blasted Area**
Gagne - St. Amant (1987)

1. **Basalt Pillows**

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



CHANNEL SAMPLE PLAN	
GAGNE ST. AMANT PROSPECT	
Tannahill Property Tannahill & Holloway Twp.'s, Ontario	
BRANDY BROOK MINES LIMITED	
Date: May 2017	Survey by: RJD, JMC
Scale: 1 cm : 100 cm	Drawn by: RJD