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**N.T.S. 32D05J**

**REPORT ON PROSPECTING:  
RIVER TRENCH AREA  
TANNAHILL PROPERTY  
LARDER LAKE MINING DIVISION  
TANNAHILL-HOLLOWAY TOWNSHIPS, ONTARIO**

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**November 28, 2022**

**For:**

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**I N D E X**

	<b>page</b>
<b>Summary</b>	<b>2</b>
<b>Location and Access</b>	<b>2</b>
<b>Claim Logistics</b>	<b>2</b>
<b>Land Status and Topography</b>	<b>6</b>
<b>Regional and Local Geology</b>	<b>6</b>
<b>History of Exploration</b>	<b>8</b>
<b>Survey Dates and Personnel</b>	<b>13</b>
<b>Survey Logistics</b>	<b>13</b>
<b>Pictures of Rock Samples</b>	<b>18</b>
<b>Survey Results</b>	<b>23</b>
<b>Discussion of Results</b>	<b>32</b>
<b>Conclusions and Recommendations</b>	<b>33</b>
<b>References</b>	<b>34</b>
<b>Certificates of Author's</b>	<b>37</b>
<b>Figure 1. Property Location Map</b>	<b>3</b>
<b>Figure 2. Claim Map</b>	<b>4</b>
<b>Figure 3. Location of Work</b>	<b>5</b>
<b>Figure 4. Regional Geology Map</b>	<b>7</b>
<b>Figure 5. Geology of Survey Area</b>	<b>9</b>
<b>Figure 6. Historic Work Map</b>	<b>11</b>
<b>Figure 7. Trench Location Map</b>	<b>14</b>
<b>Figure 8. Trench A</b>	<b>24</b>
<b>Figure 9. Trench A &amp; River Trench Rock Sample Location Map</b>	<b>25</b>
<b>Figure 10. Trench B</b>	<b>27</b>
<b>Figure 11. Trench C</b>	<b>27</b>
<b>Figure 12. Trench B Rock Sample Location Map</b>	<b>28</b>
<b>Figure 13. Trench C Rock Sample Location Map</b>	<b>29</b>
<b>Figure 14. Magusi Trench</b>	<b>30</b>
<b>Figure 15. Magusi Trench Rock Sample Location Map</b>	<b>31</b>
<b>Table 1: Rock Sample Locations, Descriptions and Assays</b>	<b>15</b>
<b>Table 2: CAT S42: Discovery MapInfo Field Notes</b>	<b>17</b>

**APPENDIX****Assay Certificates**

## Summary

This report discusses the results of prospecting in the vicinity of the River Trench located in claim 169769, cell 32D05J226, Holloway township and the Magusi Trench in claim 529691, cell 32D05J245 in Tannahill township, Ontario. The work was conducted by Jim Renaud and Robert Dillman (author) over 2 days between October 20, 2021 and October 21, 2021. During this time, several old trenches were cleaned by hand and sampled for gold. A total of 20 rock samples were collected during the work. Assays ranged <0.001 to 1.70 ppm Au. Eighteen (18) samples were collected in the vicinity to the River Trench. Two (2) samples were collected from the Magusi Trench. Work was conducted for Brandy Brook Mines Limited.

## Location and Access

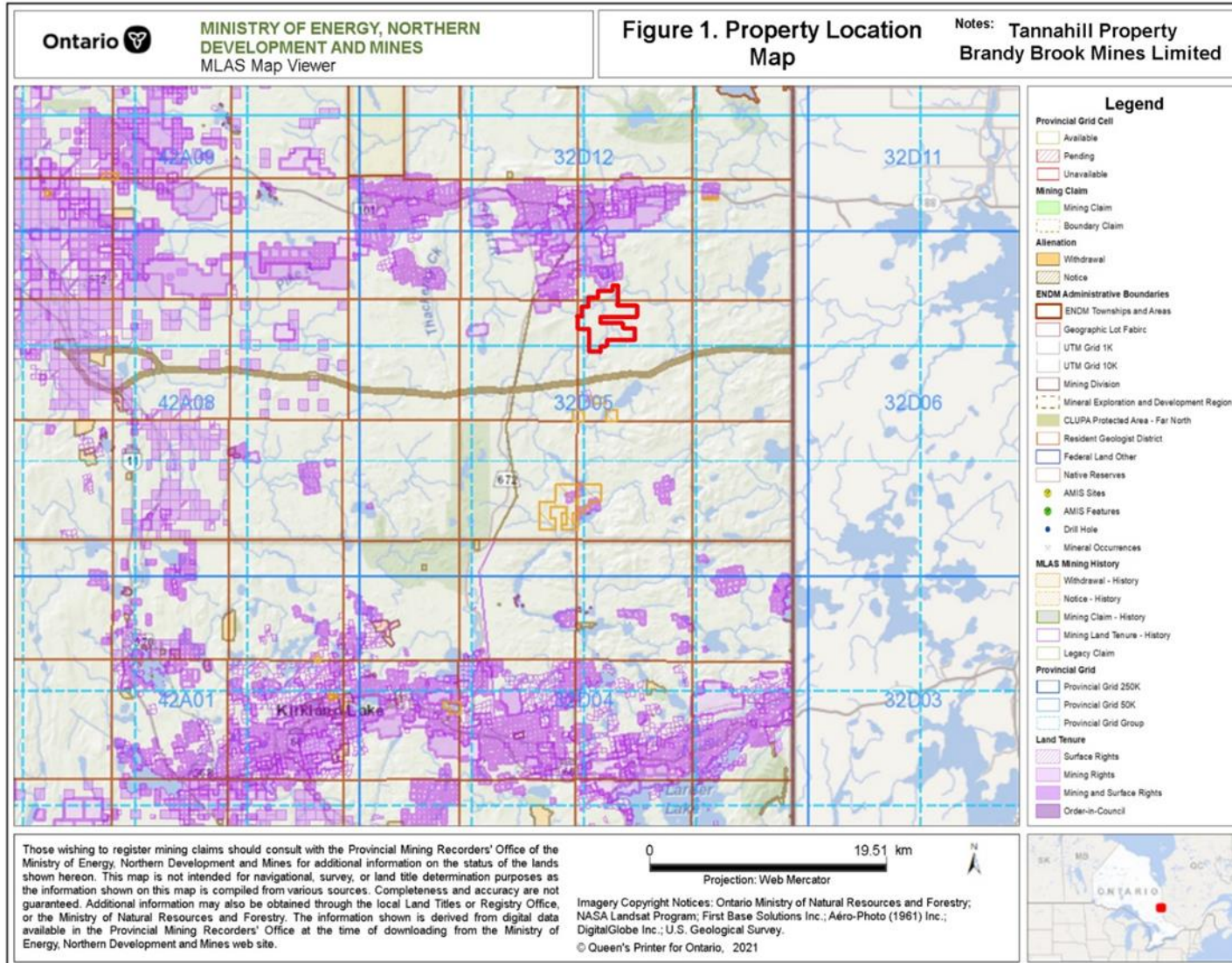
The Tannahill Property is situated in Tannahill and Holloway Townships in the Larder Lake Mining Division, Ontario. The property is located approximately 40 kilometres northeast of the town of Kirkland Lake (Figure 1).

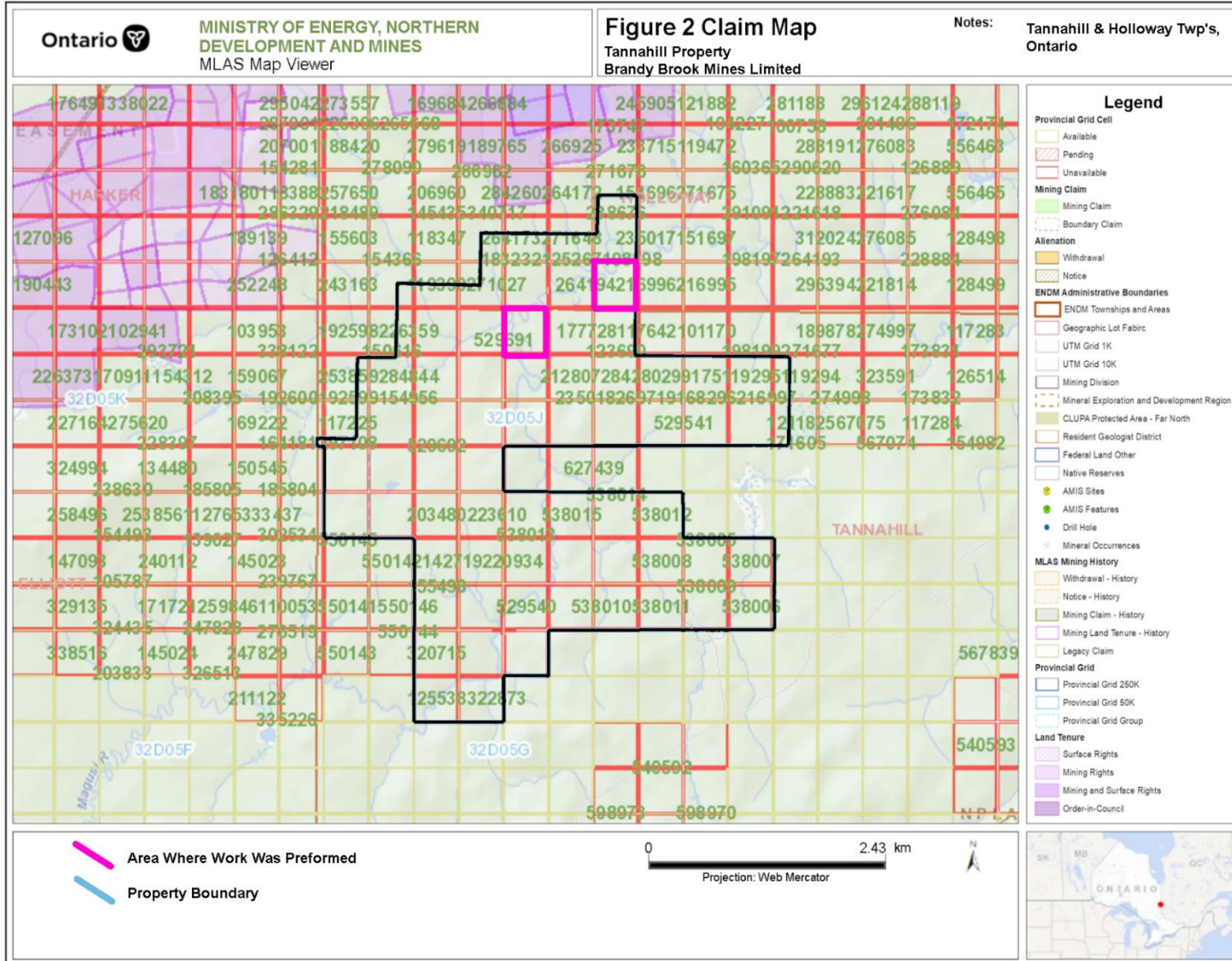
The property is accessible by truck and ATV. It can be reached by travelling 16 km east of Kirkland Lake on Highway 66 to Highway 672, also known as the Esker Lakes Highway. Proceed north on Highway 672 for a distance of approximately 28 km to the Magusi Road also known as the Roscoe Road and turn east. The Roscoe Road 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. Another road at the 17 km marker provides ATV access to the northeast section of the property and the area where this survey was conducted.

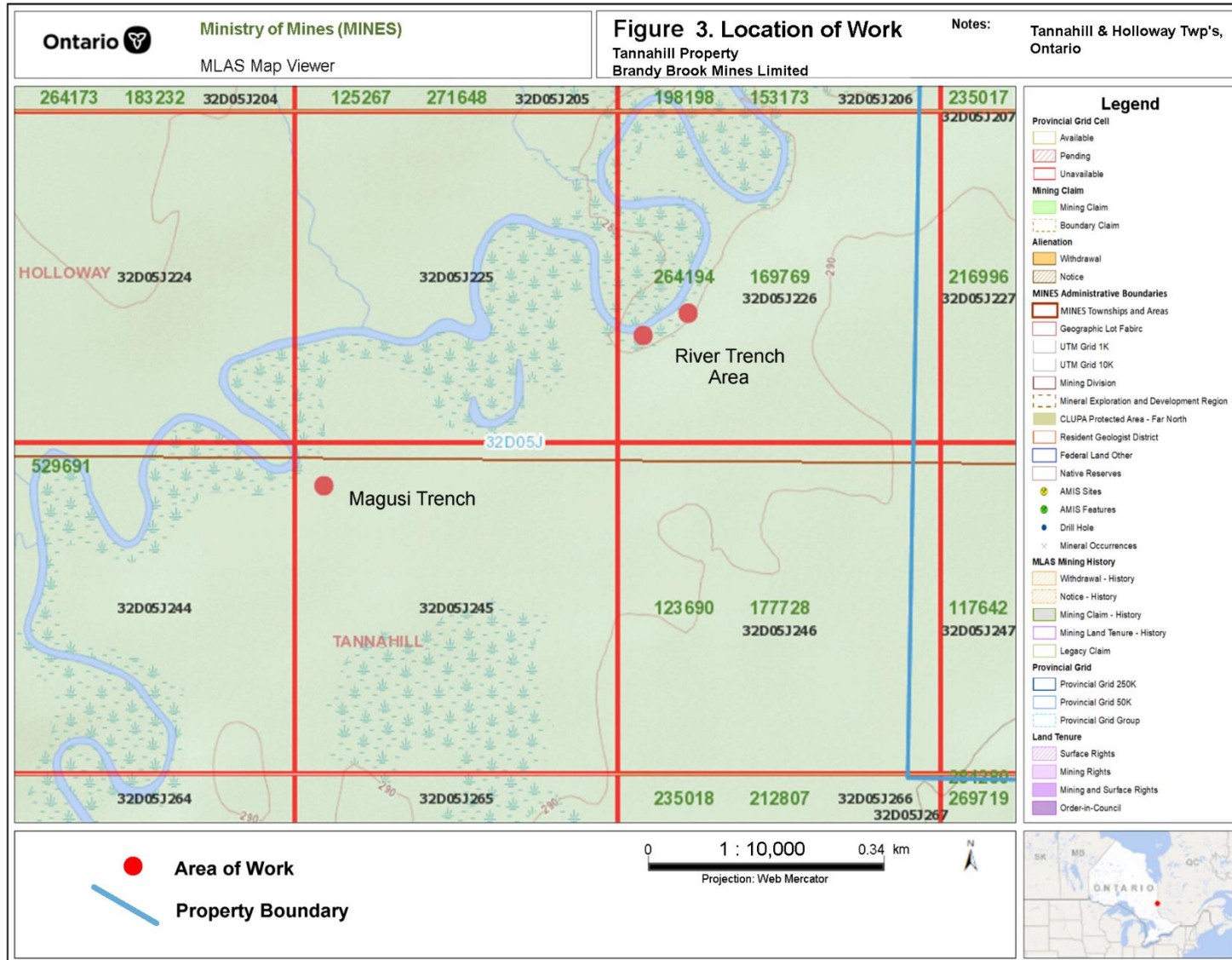
## Claim Logistics and Location of Work

The Tannahill Property consists of 52 cells and 21 partial cells which are divided into 24 mining claims and 21 boundary claims (Figure 2). All claims comprising the Tannahill Property are held by Brandy Brook Mines Limited.

Worked was conducted in claim 169769, cell 32D05J226 and in claim 529691, cell 32D05J245 (Figure 3).







## Land Status and Topography

The Tannahill Property is situated entirely on Crown Land. The property is uninhabited. There are no buildings or electrical powerlines. A system of non-maintained logging roads provide access to most areas of the property.

Sections of the property have been logged within the last 2 decades. Some areas are partially reforested with spruce trees. Other areas are meadow-like with grass, alder, and sparse spruce trees. Uncut forest borders streams and along the Magusi River. Large spruce, poplar and balsam trees grow in un-cut areas.

The property is at a mean elevation of 290 metres above sea level. Relief is gentle, ranging 20 metres.

The Magusi River forms a zig-zag pattern across the property. The river flows north from the southwest corner to the northeast corner of the property. The river frequently meanders and is slow flowing with short sections of rocky rapids usually occurring near outcrops.

## Regional and Local Geology

The Tannahill Property is in the Harker-Holloway section of the Abitibi Greenstone Belt. The property is underlain by Archean units of the Lower and Upper Blake River assemblage dated 2704 to 2696 Ma. Rock units consist of massive to pillowed and brecciated basalt to andesite flows, minor argillite to fine-grained clastic interbedded sediments, gabbroic sills and younger gabbro plutons. The region is crossed by north to northwest striking diabase dikes of various ages.

The Tannahill property is on the north limb of a syncline structure. Rock units on the property generally strike east to northeast and dip moderately to steeply south. Rock units appear to be within the chlorite grade of greenschist facies metamorphism.



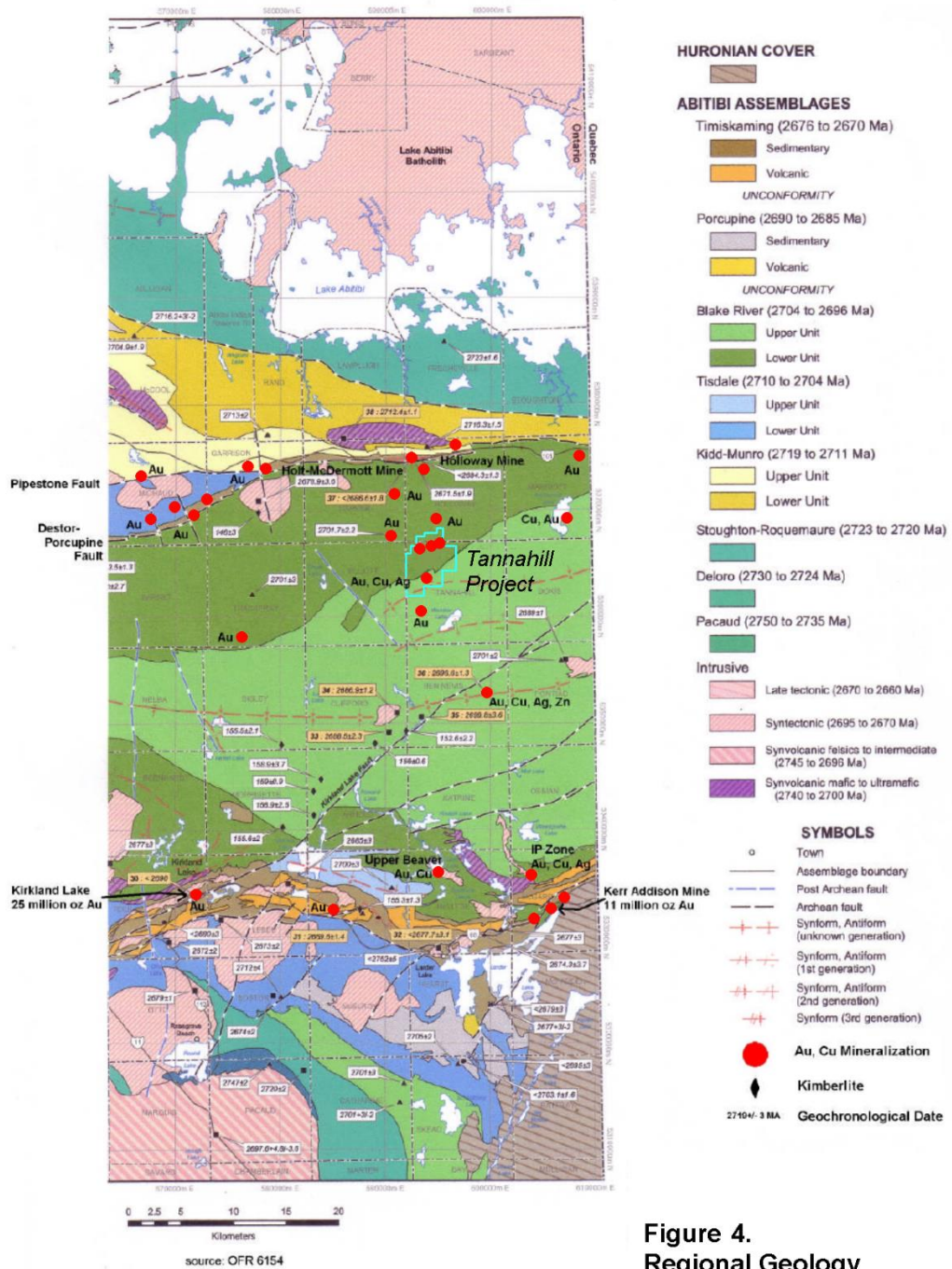


Figure 4.  
Regional Geology  
Tannahill Project  
Tannahill - Holloway Twp. Ontario  
Brandy Brook Mines Limited

The north section of the property which is underlain by the Lower Blake River Formation is crossed by northeast trending splay faults and shears associated with the Destor Porcupine Fault Zone situated 8 km to the north. These structures are offset by younger north to northwest trending structures. Faults and shears are less prevalent in the Upper Blake River Formation in the south section of the property. The Upper Blake River Formation consists of pillowed basalt, andesite and gabbroic flows which have been intruded by younger gabbro plutons, fine-grained mafic and diabase dikes.

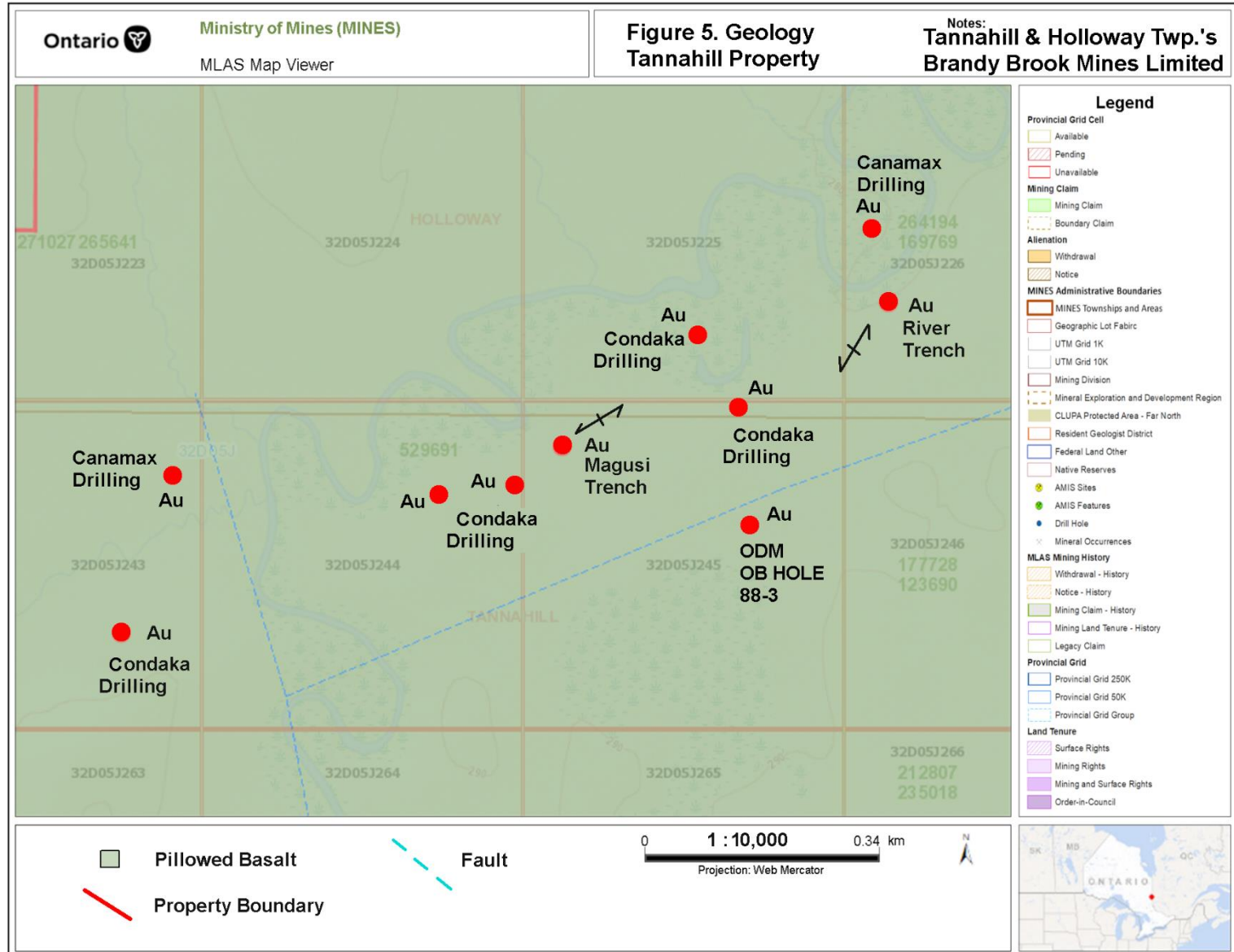
There are very few outcrops in the area where samples were collected. All the outcrops are found south of the Magusi River. The outcrops consist of pillowed basalt and andesite. Most of the outcrops show some degree of silicification, carbonate alteration, brecciation, quartz stringers and sulphide mineralization.

### **History of Exploration**

In 1971, the geology of the area covered by the Tannahill Property was mapped by L. S. Jenson on behalf of the Ontario Geological Survey.

In 1971, the area was explored by Noranda Exploration Co. A magnetometer survey was completed outlining a strong magnetic anomaly trending northeast-southwest along the Magusi River.

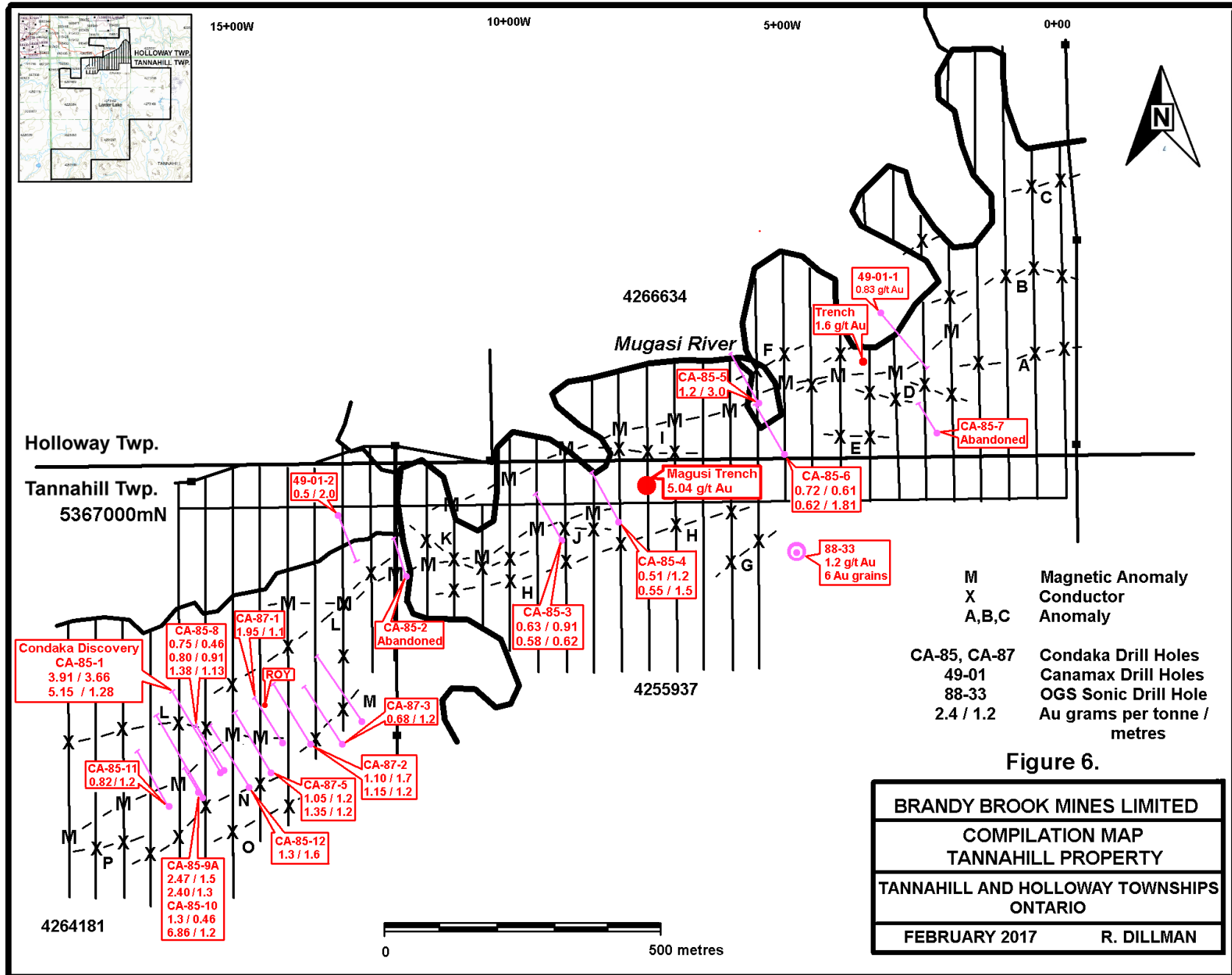
In 1981, prospectors G. Bastarache and A. Mathias reported low gold values in sheared mafic metavolcanic rock and feldspar porphyry dikes west of where the river turns south known as the “big bend”.



In 1982, Canamax Resources Inc. optioned the Bastarache-Mathias claims and formed a joint-venture with Amax Minerals on adjoining claims. Canamax completed airborne magnetometer and electromagnetic VLF surveys over the property. This was followed by ground magnetometer and electromagnetic surveys and geological mapping. An assay of 1.5 g/t gold was reported from the outcrops on the south side of the Magusi River in the area referred to as the River Trench Area. The outcrop lies within an aeromagnetic anomaly following the river.

Between, 1983 and 1984, Canamax drilled four inclined holes on the property. The first hole tested the aeromagnetic anomaly in the vicinity of River Trench Area. The hole encountered a sequence of carbonated units heavily mineralized with specularite, pyrite and magnetite. The entire hole was sampled and showed anomalous gold throughout the section. The best interval occurred at a depth of 136 m and assayed 0.83 g/t gold across 2 metres. A second hole tested the aeromagnetic anomaly in the area west of the big bend in the river. The hole intersected extensively fractured and carbonatized metavolcanic rocks and feldspar porphyry dikes. A 2 metre section starting at a depth of 52 m assayed 0.59 g/t gold. Two other holes tested EM conductors but did not intersect any significant mineralization. Canamax allowed the option to lapse at the end of 1984.

In 1985, Condaka Metals Corp. optioned the Bastarache-Mathias claims. Over a 3 years period, Condaka completed airborne magnetometer and EM surveys, ground magnetometer and VLF-EM surveys, mapped geology and drilled 18 holes in several programs (Figure 6). A boulder assaying 2 oz per ton gold was discovered approximately 500 metres west of the big bend in the river. A hole drilled in the vicinity of the boulder is reported to have intersected altered basalt assaying 0.15 oz/ton Au over 4.2 feet. A second hole drilled 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 lower zone. Condaka drilled additional holes along the magnetic feature and intersected anomalous gold mineralization in most of the holes. A hole drilled to test the River Trench Area was abandoned due to deep overburden. An assay of 1.6 g/t gold was reported from a trench in the area. Condaka eventually allowed the option to lapse.



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. 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. Sonic hole 88-33 was drilled approximately 350m southwest of the outcrop on the south bank of the river (Figure 5). Basal till gathered from the bottom of the hole contained 6 gold grains and assayed 1.6 g/t Au. Rock at the bottom on the hole was described as “altered” and “limonitic”, however a sample could not be obtained for assay.

Between 1993 and 1994, Bastarache and Mathias completed an I.P. survey northwest of the big bend in the river and drilled one hole to test an I.P. anomaly.

In 1994, Sheldon – Larder Mines Limited purchased the property. They proceeded to drill five holes in areas west and northwest of the big bend in the river. Hole ST-953 tested a Resistivity anomaly situated close to a gold-bearing outcrop and intersected a 1 foot interval assaying 1,457 (1,611 check) ppb gold. An interval of shearing encountered lower in the hole assayed 401 ppb gold over 1 foot.

In 1998, Sheldon – Larder Mines Limited completed a ground magnetometer and VLF-EM survey over an area west of the big bend in the river.

In 2001 and 2002, Sheldon – Larder Mines Limited completed a Mobile Metal Ion Survey (MMI) to locate new gold targets. Several anomalies were outlined.

In 2004, Sheldon – Larder Mines Limited completed an I.P survey over an area southeast of the big bend in the river.

In 2005, Sheldon – Larder Mines Limited drilled a single hole to test a MMI anomaly situated southeast of the big bend in the river. Eventually the claims were allowed to lapse.

In 2009, Brandy Brook Mines staked claims in the area covering some of the gold occurrences and a VMS target by the Magusi River. Over the years, Brandy Brook has completed several ground magnetometer and VLF-EM surveys, collected heavy mineral samples, mapped geology including petrographic studies, and mechanized overburden stripping of the Magusi Trench located close to the Holloway-Tannahill township line. The trench exposes brecciated and sheared basalt, strongly carbonated, silicified and mineralized with pyrite, chalcopyrite and hematite assaying up to 5.04 g/t Au.

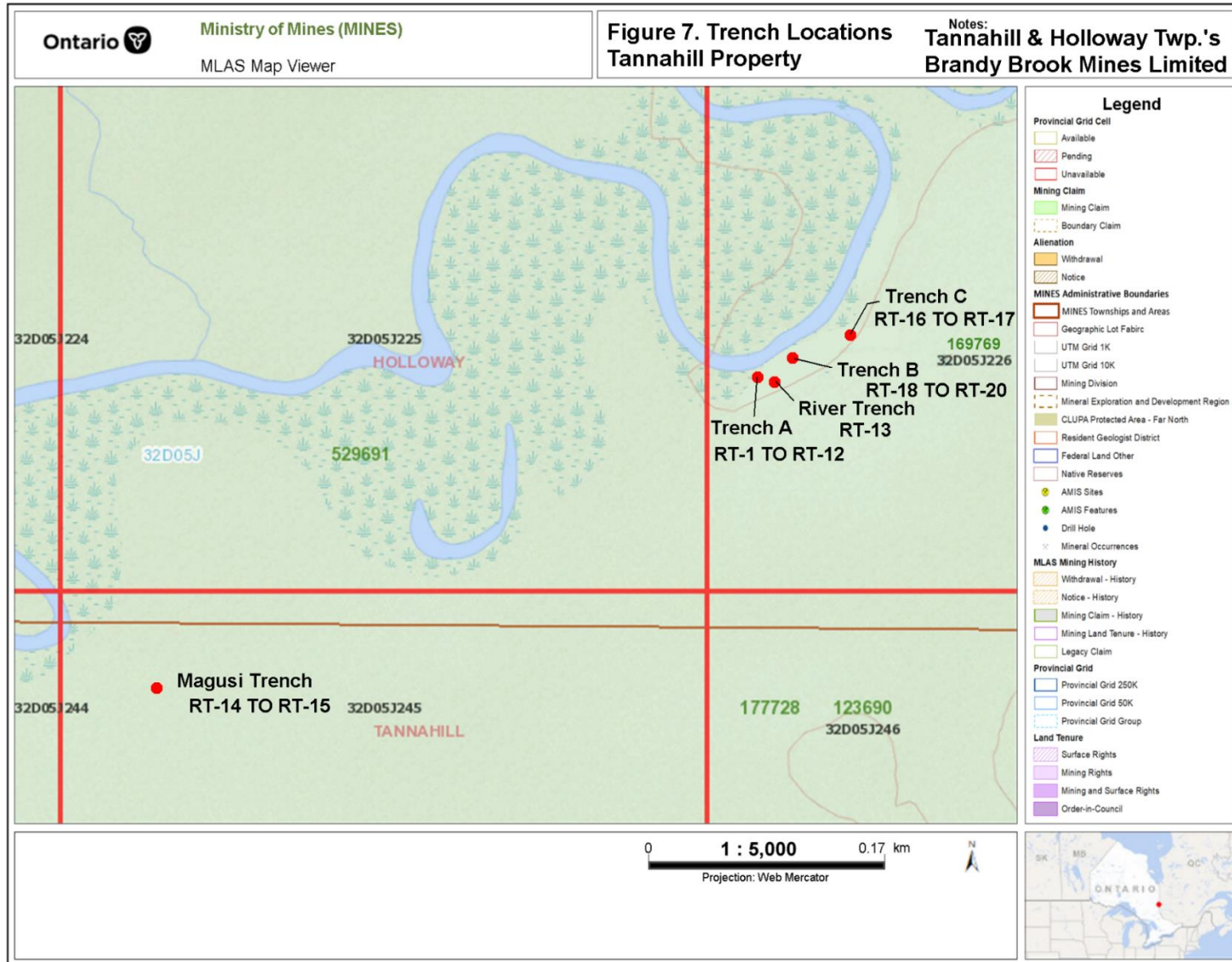
### **Survey Dates and Personal**

Field work summarized in this report was completed in two days between October 20, 2021 and October 21, 2021. The work was performed on behalf of Brandy Brook Mines Limited of Mount Brydges, Ontario. The field work was completed by author, Robert Dillman of Mount Brydges, Ontario and Jim Renaud of London, Ontario. Both have a direct association with Brandy Brook Mines Limited.

### **Survey Logistics**

Three (3) historic trenches located in the River Trench Area in claim 169769, cell 32D05J226 of Holloway township were manually cleaned of debris and forest litter (Figure 7) and 18 rock samples were collected from the trenches. Two (2) additional rock samples were collected in the Magusi Trench in claim 529691, cell 32D05J245 of Tannahill township. The logistics of the rock samples including locations and assay results are outlined in Table 1.

Sample locations were recorded using a Garmin GPS, model GPSMAP 66st. The GPS unit was set to NAD83, Zone 17. A CAT S42 smartphone handheld device equipped with the Discovery MapInfo also was used to record sample locations and field notes (Table 2).





**Table 1. Rock Sample Locations, Descriptions and Assays**

Sample Number	UTM Coordinates	Claim Number	Cell Number	Date & Time	Sample Type, Length	Gold ppm	Notes
RT-1	594779mE 5367269mN	169769	32D05J226	October 20, 2021 1:33 pm	Representative 0.3 m	0.323	Trench A. Silicified and Fe-carbonated basalt with <1 cm quartz stringers, 1-5% disseminated pyrite in wallrock
RT-2	594779mE 5367269mN	169769	32D05J226	October 20, 2021 1:33 pm	Representative 0.3 m	1.34	Trench A. Same, silicified and Fe-carbonated basalt with <1 cm quartz stringers, 1-5% disseminated pyrite
RT-3	594779mE 5367269mN	169769	32D05J226	October 20, 2021 1:33 pm	Representative 0.3 m	0.386	Trench A. Same, silicified and Fe-carbonated basalt with <1 cm quartz stringers, 1-5% disseminated pyrite
RT-4	594779mE 5367269mN	169769	32D05J226	October 20, 2021 1:33 pm	Representative 0.3 m	1.70	Trench A. Same, silicified and Fe-carbonated basalt with <3 cm quartz stringers, 5-10% disseminated pyrite. Increasing quartz at various angles
RT-5	594778mE 5367268mN	169769	32D05J226	October 20, 2021 1:49 pm	Best, grab over 1.0 m	1.00	Trench A. Same, silicified and Fe-carbonated basalt with <3 cm quartz stringers, 5-10% disseminated pyrite. Increasing quartz at various angles
RT-6	594779mE 5367269mN	169769	32D05J226	October 20, 2021 2:11 pm	Best, grab over 1.0 m	0.032	Trench A. Possible shear at bottom of trench, rubble. Decreasing quartz and sulphides.
RT-7	594779mE 5367266mN	169769	32D05J226	October 20, 2021 2:16 pm	Representative 0.15 x 0.10 m	0.287	Trench A. Trench debris on north side. Silicified basalt with well defined quartz stringers <3 cm, 5% pyrite in wallrock. Chalcopyrite in stringers
RT-8	594778mE 5367264mN	169769	32D05J226	October 20, 2021 2:17 pm	Best, grab over 1.0 m	0.106	Trench A. Silicified basalt, weak Fe-carbonate, 1-5% disseminated pyrite.
RT-9	594780mE 5367262mN	169769	32D05J226	October 20, 2021 2:21 pm	Best, grab over 1.0 m	0.049	Trench A. Silicified basalt, weak Fe-carbonate, Tr-1% disseminated pyrite. Seams with disseminated hematite.
RT-10	594773mE 5367266mN	169769	32D05J226	October 20, 2021 2:45 pm	Representative 0.25 x 0.15 m	0.360	Trench A. Trench debris, silicified basalt, moderate Fe-carbonate, 5-10% disseminated to blobby pyrite.

Table 1. Logistics of Heavy Mineral Samples and Minerals Present

Sample Number	UTM Coordinates	Claim Number	Cell Number	Date & Time	Sample Type, Length	Gold ppm	Notes
RT-11	594773mE 5367264mN	169769	32D05J226	October 20, 2021 2:44 pm	Best, grab over 1.0 m	0.009	Trench A. Silicified basalt, weak Fe-carbonate, 1-5% disseminated pyrite.
RT-12	594779mE 5367269mN	169769	32D05J226	October 20, 2021 2:12 pm	Best, small pieces	0.406	Trench A. Debris from bottom of trench. Silicified basalt with <1.0 cm quartz stringers. Tr,-5% pyrite in wallrock.
RT-13	594786mE 5367266mN	169769	32D05J226	October 20, 2021 2:47 pm	Representative 0.15 x 0.10 m	0.011	River trench. Loose debris. Basalt, carbonated, 1% disseminated pyrite
RT-14	594378mE 5367022mN	529691	32D05J245	October 20, 2021 3:38 pm	Representative 0.3 m	0.039	Magusi Trench, silicified basalt, moderate Fe-carbonate, 1 -5% disseminated pyrite
RT-15	594374mE 5367027mN	529691	32D05J245	October 20, 2021 3:48 pm	Representative 0.3 m	0.013	Magusi Trench, silicified basalt, moderate Fe-carbonate, numerous hairline to <1 cm quartz stringers at various angles, 1 -5% disseminated pyrite in wallrock.
RT-16	594838mE 5367293mN	169769	32D05J226	October 21, 2021 11:27 pm	Representative 1.0 m	<0.001	Trench C. Silicified basalt with occasional quartz-Fe-carbonate stringer, Tr-3% disseminated pyrite in wallrock
RT-17	594838mE 5367292mN	169769	32D05J226	October 21, 2021 11:34 pm	Best, grab 0.20 m	0.003	Trench C. Fine-grained metasediment? Possible bedding, siliceous, weak Fe-carbonate, traces of pyrite and hematite
RT-18	594800mE 5367279mN	169769	32D05J226	October 21, 2021 2:18 pm	Representative 1.0 m	0.002	Trench B. Basalt, trace pyrite. No alteration
RT-19	594799mE 5367279mN	169769	32D05J226	October 21, 2021 2:18 pm	Best, grab 1.0 m	0.241	Trench B. Basalt, weakly silicified, trace-5% pyrite disseminated and on fracture surface
RT-20	594798mE 5367278mN	169769	32D05J226	October 21, 2021 2:20 pm	Representative 1.0 m	0.003	Trench B. Basalt, trace pyrite. Weak silicification and Fe-carbonate. Trace pyrite

Table 2.: CAT S42: Discovery MapInfo: Field Notes

Geology Observations												
ObservationID	Elevation	GPS_X	GPS_Y	Date	Weather	Temperature	Lithology	Photo1		UTM_EAST	TM_NORT	Comment
144	243.5	-79.7236	48.44926	October 20 2021	Clear	26				594383.3851	5367023	pyrite and Au channel
145	247.4	-79.7236	48.44925	October 20 2021	Clear	26	Quartz Vein			594380.598	5367021	altered qtz vein...maybe late in carb story
Rock Samples												
SampleNo	UTM_X	UTM_Y	Elevation	GPS_X	GPS_Y	Date	Weather	SampleType	Lithology	AlterationType	Photo	Description
RT-1	594782.8	5367263	227.7	-79.71814167	48.45137	October 20 2021	Clear	OutcropGrab	Basalt		yes	Trench A. Stratigraphic sample top sample
RT-2	594781.6	5367268	232.2	-79.71815833	48.45141	October 20 2021	Clear					Trench A. statigraphic sample below rt 1
RT-3	594780	5367271	232.2	-79.71817833	48.45144	October 20 2021	Clear					Trench A. stratigraphic sample below rt 2
RT-4	594780.5	5367271	232.5	-79.71817167	48.45144	October 20 2021	Clear					Trench A. straigraohic sample below rt 3
RT-5	594778	5367264	235	-79.71820667	48.45137	October 20 2021	Clear					Trench A. silicified basalt with sulphide and qtz vein
RT-6	594774.9	5367253	231.2	-79.71825167	48.45128	October 20 2021	Clear		Basalt	Silicification		Trench A. chipped out of base of trench
RT-7	594778.3	5367257	234.6	-79.718205	48.45131	October 20 2021	Clear					Trench A. float w possible cpy
RT-8	594777.6	5367255	229.4	-79.718215	48.45129	October 20 2021	Clear		Basalt	Silicification		Trench A
RT-9	594779	5367259	233.1	-79.718195	48.45133	October 20 2021	Clear	OutcropChip	Basalt	Silicification		Trench A
RT-10	594775.5	5367252	228.5	-79.71824333	48.45127	October 20 2021	Clear	FloatGrab	Basalt	Silicification		Trench A. from. digging out trench
RT-11	594779.3	5367261	234.8	-79.71819	48.45135	October 20 2021	Clear	OutcropGrab	Basalt	Silicification		Trench A.
RT-12	594779.2	5367260	236.2	-79.71819167	48.45134	October 20 2021	Clear	OutcropChip				Trench A. rubble from bottom of trench
RT-13	594783	5367261	236.6	-79.71814	48.45135	October 20 2021	Clear	FloatGrab	Basalt	Silicification		River Trench. rubble by the other trench
RT-14	594375.3	5367022	247.2	-79.72370667	48.44926	October 20 2021	Clear	OutcropGrab	Basalt	Silicification		Magusi Trench, carbonate altered pillows w 3-5 percent diss. Py
RT-15	594373.5	5367026	245.2	-79.72373	48.4493	October 20 2021	Clear	OutcropGrab	Basalt			Magusi Trench, altered mafic in fold nose of fault
RT-16	594840.2	5367281	245.4	-79.71736167	48.45152	October 21 2021	Clear	OutcropGrab	Basalt	Silicification		Trench C, disseminated sulphide and hematite and carbonate stringers
RT-17	594843.3	5367284	244.2	-79.71732	48.45155	October 21 2021	Clear	OutcropGrab	Metasediment(s)	Silicification		Trench C, possible bedding
RT-18	594799.9	5367275	234.6	-79.71790833	48.45147	October 21 2021	Clear	TrenchChip	Basalt			Trench B, disseminated sulphide
RT-19	594796.6	5367274	240.7	-79.71795333	48.45146	October 21 2021	Clear	TrenchChip	Basalt	IronStained		Trench B, hematized
RT-20	594795.4	5367278	249.3	-79.71796833	48.4515	October 21 2021	Clear	TrenchChip	Basalt	IronStained		Trench B. weak hematite and carbonate and disseminated sulphide



RT-1 0.323 ppm Au: Trench A



RT-2 1.34 ppm Au: Trench A



RT-3 0.386 ppm Au: Trench A



RT-4 1.70 ppm Au: Trench A



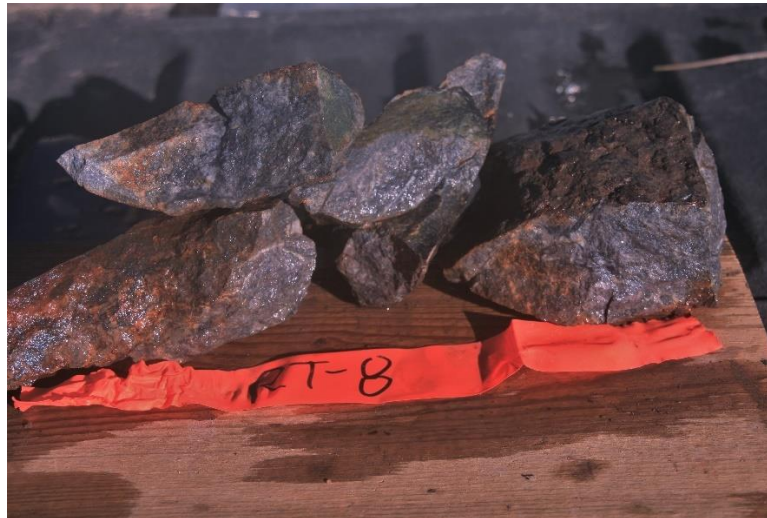
RT-5 1.00 ppm Au:Trench A



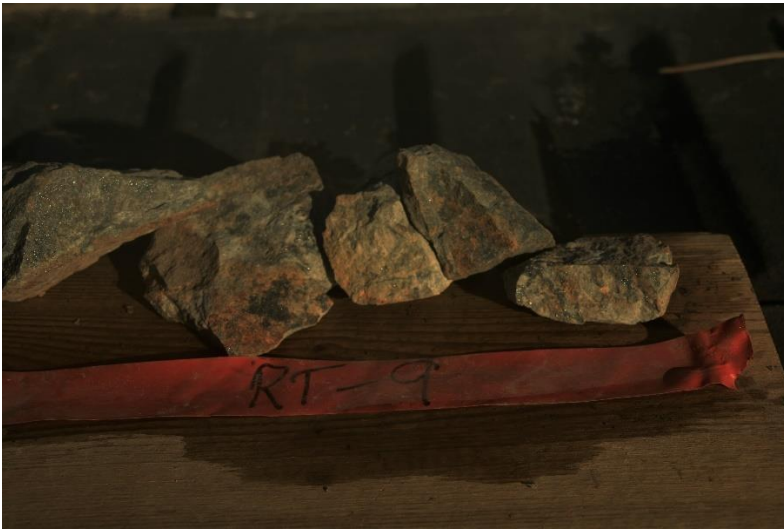
RT-6 0.032 ppm Au: Trench A



RT-7 0.287 ppm Au:Trench A



RT-8 0.106 ppm Au: Trench A



RT-9 0.049 ppm Au: Trench A



RT-10 0.360 ppm Au: Trench A



RT-11 0.009 ppm Au: Trench A



RT-12 0.406 ppm Au: Trench A



RT-13 0.011 ppm Au: River Trench



RT-14 0.039 ppm Au: Magusi Trench



RT-15 0.013 ppm Au: Magusi Trench



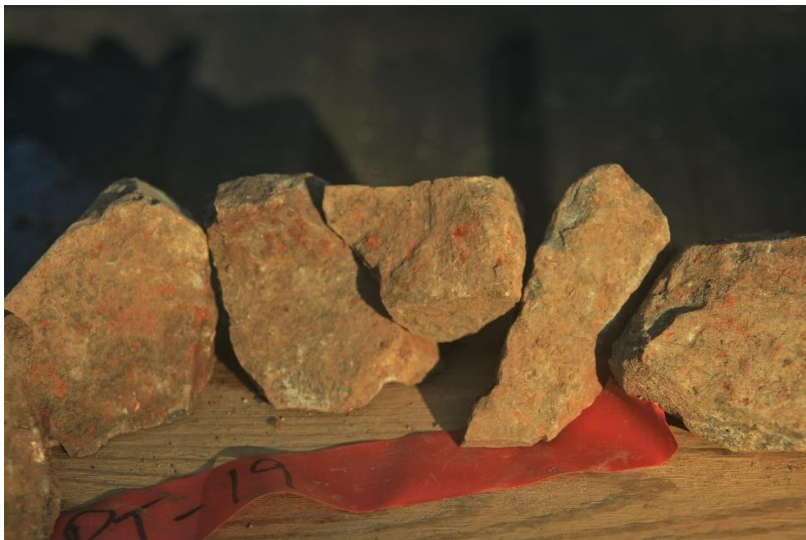
RT-16 <0.001 ppm Au: Trench C



RT-17 0.003 ppm Au: Trench C



RT-18 0.002 ppm Au: Trench B



RT-19 0.241 ppm Au: Trench B



RT-20 0.003 ppm Au: Trench A



Rock samples were sent to AGAT Laboratories analyses. The lab is on McAdam Road in Mississauga, Ontario. All the rock samples were assayed for gold by fire assay and finished by Inductively Coupled Plasma – Optical Emission Spectroscopy (ICP-OES) to measure the gold concentration. Samples were crushed to 75  $\mu\text{m}$  and a 50 grams charge was used for the assay. Assay certificates from the lab are included with this report.

## Survey Results

Three small trenches (A to C) in the vicinity of the River Trench were re-excavated manually by hand and grubhoe. Eighteen (18) rock samples were collected from the trenches and two additional samples were collected from the Magusi Trench.

### Trench A

Trench A is approximately 6 m x 1 m in size and situated at the foot of the outcrop hosting the River Trench (Figure 8). Trench A exposes silicified and Fe-carbonated basalt well-mineralized with disseminated pyrite. Thin quartz stringers striking at various orientations are prevalent in the northeast section of the trench. Disseminated pyrite is confined to the basalt and pervasive throughout the trench. Mineralization has an apparent strike towards the northeast at  $58^\circ$  and dips vertically.

Twelve (12) rock samples were collected from outcrop and debris situated around the trench (Figure 9). Assay values varied from 0.009 ppm to 1.70 ppm Au over widths ranging <1.0 metre. Best values were obtained from a 2 metre long section of outcrop at the northeast end of the trench where quartz stringers are most abundant.

A sample of trench debris was collected in the River Trench located 10 metres to the southeast. Sample RT-13 assayed 0.011 ppm Au and consisted of silicified and carbonated basalt with minor quartz stringers and disseminated pyrite.



Trench A: Looking northeast



Trench A: Looking southeast



Trench A: Quartz stringers in basalt, northeast section. 594778mE, 5367268mN



Figure 8.

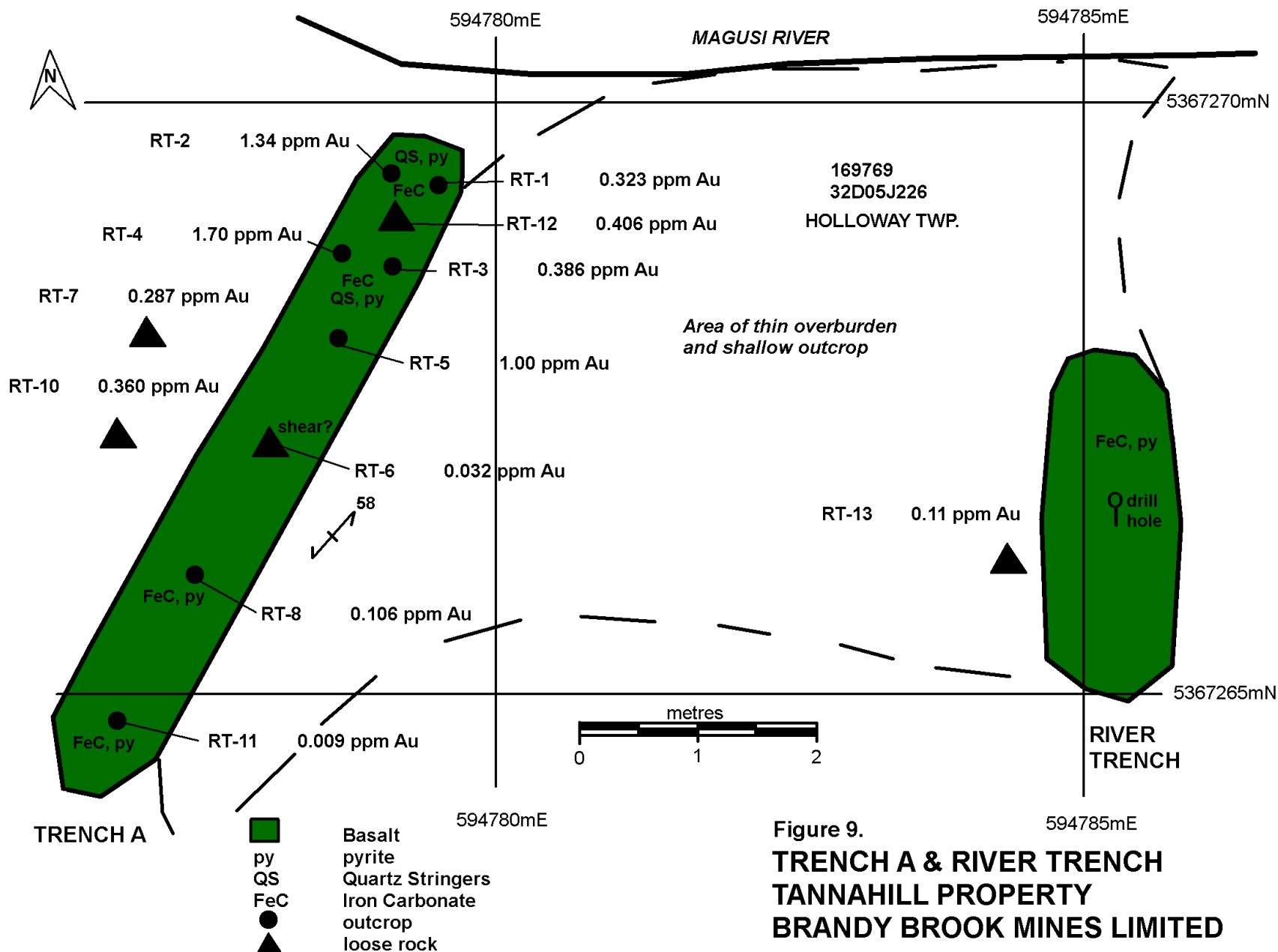


Figure 9.  
**TRENCH A & RIVER TRENCH**  
**TANNAHILL PROPERTY**  
**BRANDY BROOK MINES LIMITED**

## Trench B

Trench B is situated on a north facing slope by the river and measures 5 m x 1 m in size (Figure 10). The trench exposes weakly to unaltered basalt except for a small section in the central area of the trench where the outcrop is weakly silicified, carbonated and mineralized with pyrite and hematite.

Three samples were collected from outcrop in the trench (Figure 11). Assays for two samples did not return any significant gold values. The third sample, RT-19 assayed 0.241 ppm Au and was taken in the mineralized section in the middle of the trench.

## Trench C

Trench C is situated on the crest of a small rise of land and is approximately 3 m x 2 m in size (Figure 12). The trench exposes altered basalt and/or altered metasediments due to the presence of potential bedding in the north section of the trench. Rock exposed in the trench is moderately silicified, carbonated and there are occasional quartz-carbonate stringers. Disseminate pyrite and hematite occur throughout the wallrock.

Two samples were collected from outcrop in the trench (Figure 13). Sample RT-16 assayed <0.001 ppm Au and consisted of silicified and carbonated wallrock with traces of disseminated pyrite and quartz-carbonate stringers. Sample RT-17 assayed 0.003 ppm Au and consisted of potential metasedimentary rock with traces pyrite + hematite.

## Magusi Trench

A brief examination of the Magusi Trench (Figure 14) was made to compare altered rock in the Magusi Trench to some of the new rock exposures in trenches A, B and C. Two samples of silicified and carbonated basalt with disseminated pyrite were collected from the central area of the Magusi Trench. The samples were considered similar to altered basalt exposed in Trench A. Samples RT-14 and RT-15 returned slightly anomalous gold values assaying 0.039 ppm Au and 0.013 ppm Au, respectively (Figure 15).



Trench B: Looking south, 594800mE, 5367280mN

Figure 10.



Trench C Looking south, 594840mE, 5367295mN

Figure 11.

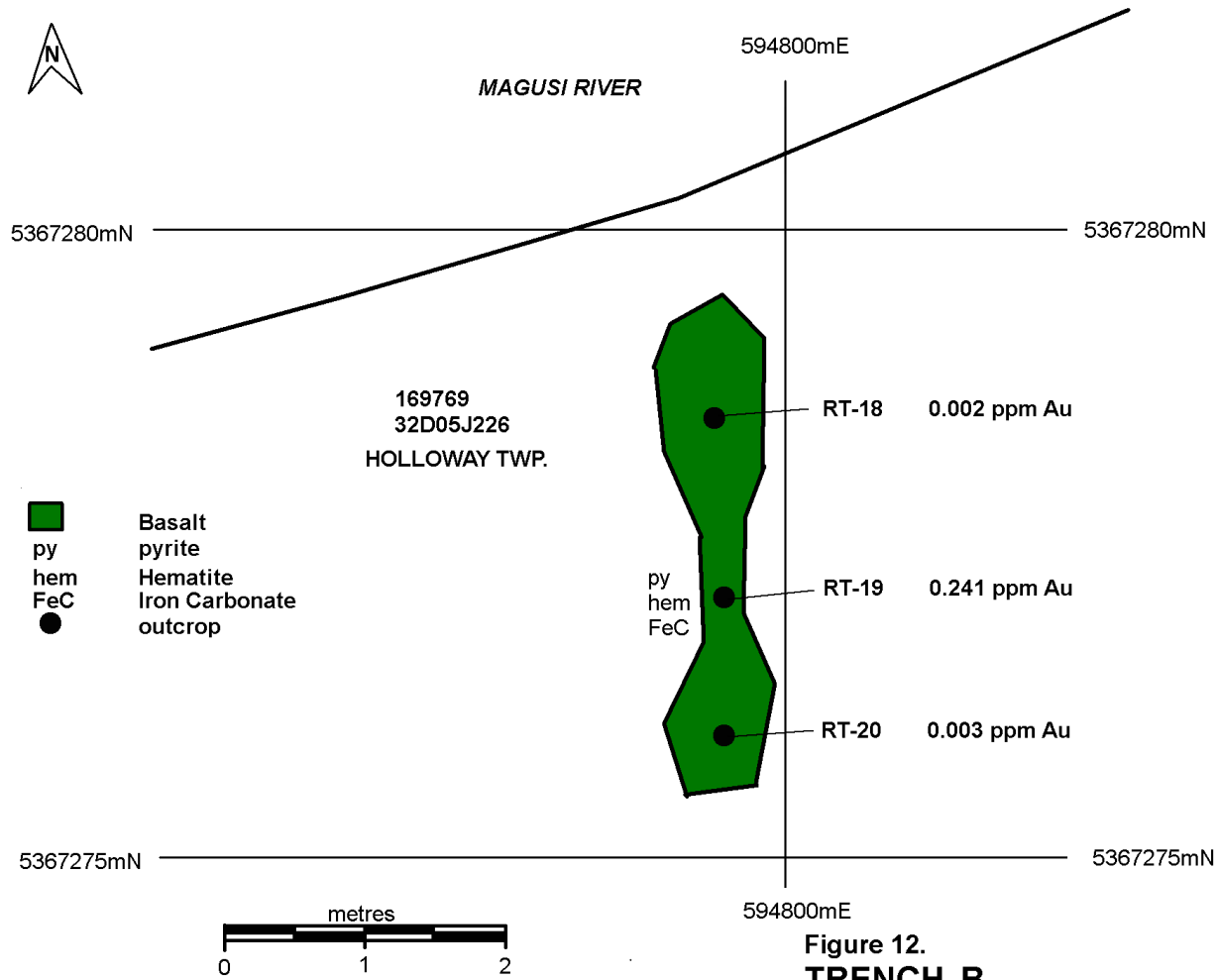


Figure 12.  
**TRENCH B**  
**TANNAHILL PROPERTY**  
**BRANDY BROOK MINES LIMITED**

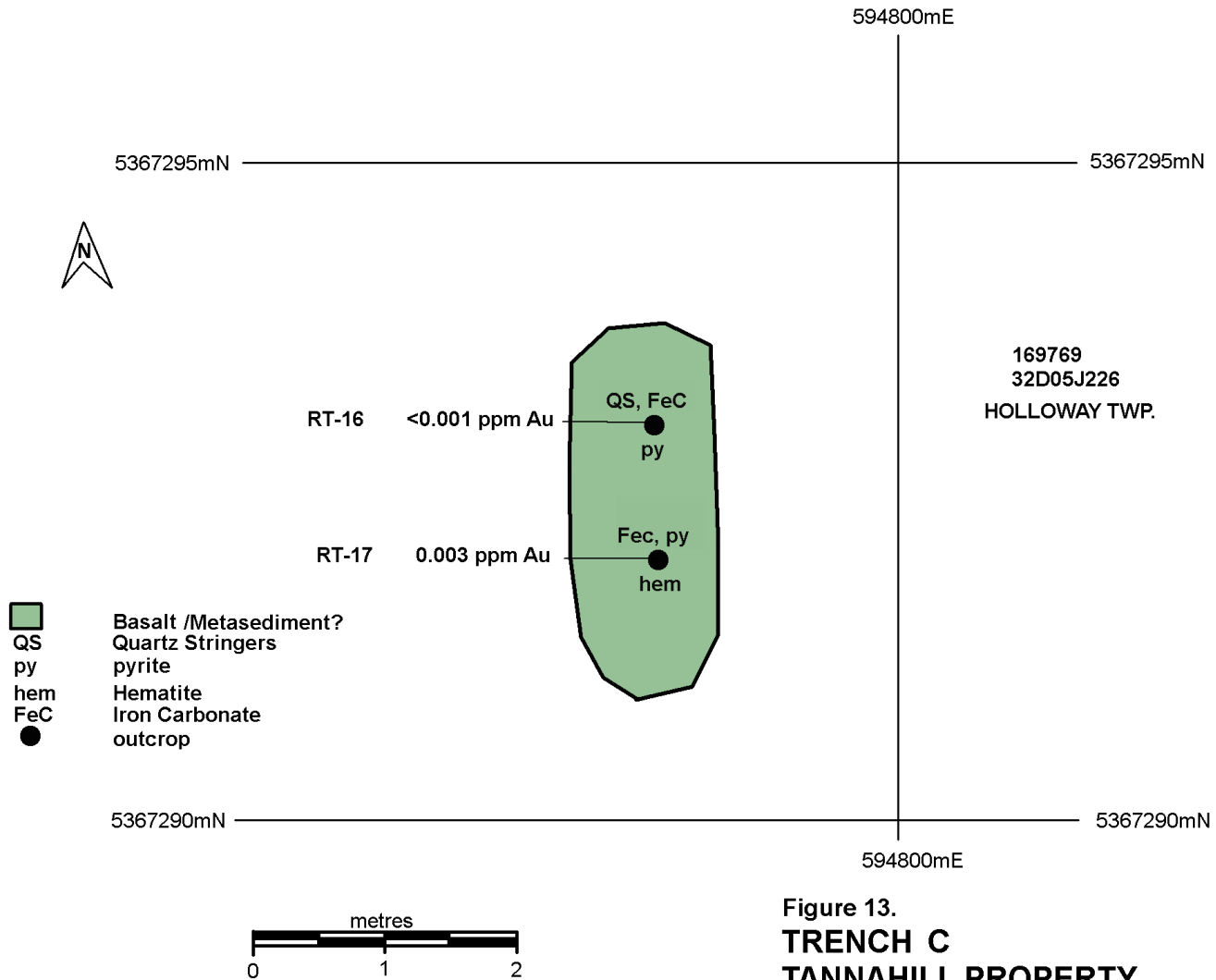
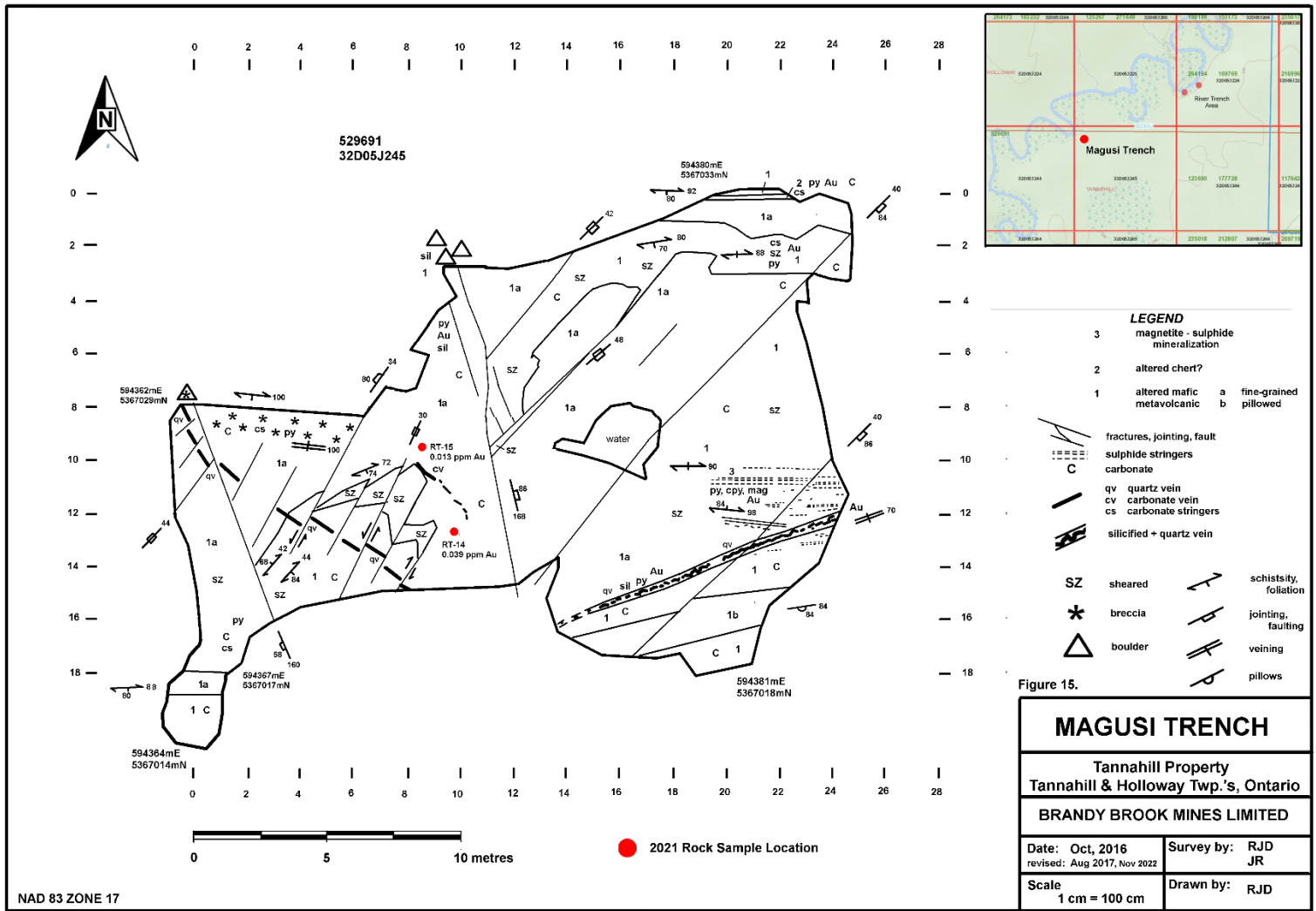


Figure 13.  
**TRENCH C**  
**TANNAHILL PROPERTY**  
**BRANDY BROOK MINES LIMITED**



Figure 14.  
Magusi Trench: Southeast corner, looking northwest.





## Discussion of Results

Assays show gold occurs in Trench A and Trench B but is absent in Trench C. Although the alteration and mineralization are similar in Trench C, the host rock could be a fine-grained metasediment and may be a factor on gold deposition. It is possible mineralization in Trench C is part of a different zone and not associated with mineralization in Trench A or Trench B.

Sample from Trench A returned the best gold values overall. Gold values were highest in samples with the highest percentage of quartz stringers, silicification and sulphides. The best samples were collected from the northeast section of Trench A. It is believed the quartz in this section of the trench is the quartz vein reported to assay 0.07 oz/ton Au in reports from the area by Condaka Metals Corp. Mineralization in Trench A is believed to extend northeast under the Magusi River and towards the southwest.

There are similarities between rock type, mineralization, and alteration present in Trench A and the Magusi Trench. The two gold occurrences are close together and have a spatial association with the strong magnetic anomaly following the Magusi River.

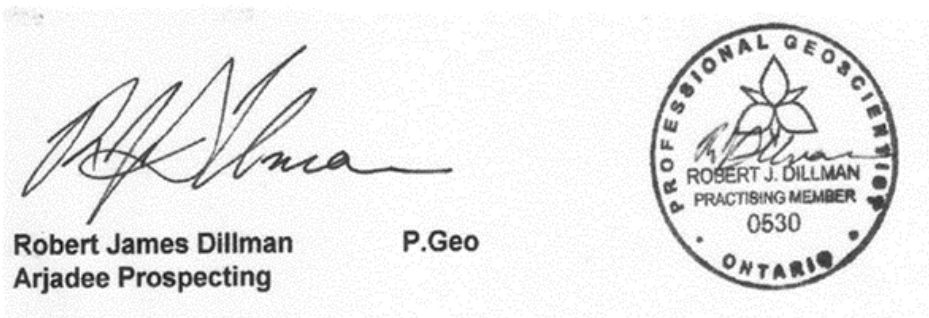
**Conclusions and Recommendations**

Re-examining and sampling several old trenches have given a better understanding of the extent of gold mineralization in the River Trench area and confirmed some of the best gold values reported in historic work.

Further work is warranted. Trench A and Trench B could be expanded to allow for better sampling and geological mapping. It is recommended this work be accomplished manually due to the proximity to the river. A petrographic examination is also recommended and would lead to a better understanding of rock types, gold and associated mineralization. An estimated cost of the proposed work is \$19,000 and includes:

Trenching	\$5,000
Petrology	5,000
Assays	2,000
Travel and Food	2,000
Reports	<u>5,000</u>
	\$19,000

Respectfully submitted,



Robert Dillman B.Sc. P.Geo.  
November 28, 2022

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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 N0L 1W0
2. I am President and CEO of Brandy Brook Mines Limited
3. I graduated in 1991 with a Bachelor of Science Degree in Geology from the University of Western Ontario.
4. I am an active member of:  
  
Professional Geoscientists of Ontario, PGO  
Prospectors and Developers Association of Canada, PDAC
5. I have been a licensed Prospector in Ontario since 1984.
6. I have worked continuously as a Professional Geologist for 31 years.
7. Unless stated otherwise, I am responsible for the preparation of all sections of the Assessment Report titled:  
  
REPORT ON PROSPECTING: RIVER TRENCH AREA  
TANNAHILL PROPERTY, LARDER LAKE MINING DIVISION,  
TANNAHILL-HOLLOWAY TOWNSHIPS, ONTARIO  
dated, November 28, 2022
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 28th day of November, 2022

  
Robert James Dillman P.Geo  
Arjadee Prospecting







CLIENT NAME: ROBERT DILLMAN  
8901 REILY DRIVE  
MOUNT BRYDGES, ON N0L 1W0  
519-264-9278

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD  
PROJECT:

AGAT WORK ORDER: 21T837048

SOLID ANALYSIS REVIEWED BY: Meredith White, Senior Technician

DATE REPORTED: Jan 26, 2022

PAGES (INCLUDING COVER): 8

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

\*Notes

**Disclaimer:**

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## Certificate of Analysis

AGAT WORK ORDER: 21T837048

PROJECT:

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

### (200-) Sample Login Weight

DATE SAMPLED: Nov 29, 2021      DATE RECEIVED: Nov 15, 2021      DATE REPORTED: Jan 26, 2022      SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
RT-1 (3269544)		2.46
RT-2 (3269545)		2.56
RT-3 (3269546)		2.28
RT-4 (3269547)		2.20
RT-5 (3269548)		0.89
RT-6 (3269549)		1.00
RT-7 (3269550)		3.51
RT-8 (3269551)		1.23
RT-9 (3269552)		1.33
RT-10 (3269553)		2.86
RT-11 (3269554)		0.59
RT-12 (3269555)		1.79
RT-13 (3269556)		1.41
RT-14 (3269557)		0.41
RT-15 (3269558)		1.05
RT-16 (3269559)		1.75
RT-17 (3269560)		1.76
RT-18 (3269561)		1.76
RT-19 (3269562)		1.33
RT-20 (3269563)		0.87

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by \*)

Insufficient Sample : IS

Sample Not Received : SNR

Certified By:



## Certificate of Analysis

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PROJECT:

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<http://www.agatlabs.com>

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

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

DATE SAMPLED: Nov 29, 2021

DATE RECEIVED: Nov 15, 2021

DATE REPORTED: Jan 26, 2022

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Unit:	RDL:	Value
	Au	ppm	0.001	
RT-1 (3269544)				0.323
RT-2 (3269545)				1.34
RT-3 (3269546)				0.386
RT-4 (3269547)				1.70
RT-5 (3269548)				1.00
RT-6 (3269549)				0.032
RT-7 (3269550)				0.287
RT-8 (3269551)				0.106
RT-9 (3269552)				0.049
RT-10 (3269553)				0.360
RT-11 (3269554)				0.009
RT-12 (3269555)				0.406
RT-13 (3269556)				0.011
RT-14 (3269557)				0.039
RT-15 (3269558)				0.013
RT-16 (3269559)				<0.001
RT-17 (3269560)				0.003
RT-18 (3269561)				0.002
RT-19 (3269562)				0.241
RT-20 (3269563)				0.003

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by \*)

Insufficient Sample : IS

Sample Not Received : SNR

Certified By:



# Certificate of Analysis

AGAT WORK ORDER: 21T837048

PROJECT:

5623 McADAM ROAD  
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<http://www.agatlabs.com>

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

## Sieving - % Passing (Crushing)

DATE SAMPLED: Nov 29, 2021

DATE RECEIVED: Nov 15, 2021

DATE REPORTED: Jan 26, 2022

SAMPLE TYPE: Rock

Analyte: Crush-Pass  
%

Unit: %

Sample ID (AGAT ID)

RDL: 0.01

RT-1 (3269544)

77.46

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by \*)

Insufficient Sample : IS

Sample Not Received : SNR

Certified By:



# Certificate of Analysis

AGAT WORK ORDER: 21T837048

PROJECT:

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CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

## Sieving - % Passing (Pulverizing)

DATE SAMPLED: Nov 29, 2021

DATE RECEIVED: Nov 15, 2021

DATE REPORTED: Jan 26, 2022

SAMPLE TYPE: Rock

Analyte: Pul-Pass %

Unit: %

Sample ID (AGAT ID) RDL: 0.01

RT-1 (3269544) 89.76

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by \*)

Insufficient Sample : IS

Sample Not Received : SNR

Certified By:



CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

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

Parameter	REPLICATE #1				REPLICATE #2											
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	3269544	0.323	0.405	22.5%	3269558	0.013	0.013	0.0%								



**AGAT** Laboratories

Quality Assurance - Certified Reference materials  
 AGAT WORK ORDER: 21T837048  
 PROJECT:

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CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

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

Parameter	CRM #1 (ref.GS5X)				CRM #2 (ref.GSP6D)							
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Au	5.04	5.13	102%	90% - 110%	0.769	0.764	99%	90% - 110%				



## Method Summary

CLIENT NAME: ROBERT DILLMAN

AGAT WORK ORDER: 21T837048

PROJECT:

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Au	MIN-12006, MIN-12004		ICP/OES
Crush-Pass %			BALANCE
Pul-Pass %			BALANCE