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N.T.S. 31C/11

**Report on
Prospecting (2021)
Black River South Property
Grimsthorpe Township, Ontario**

**By: Jim Renaud of London, Ontario
&
Robert Dillman of Mount Brydges**

January 28, 2022

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Summary

This report describes the results of a prospecting survey on the Black River South Property in Grimsthorpe Township, Ontario. Prospecting traverses were conducted in the Heron Pond Gold Zone. A total of seven (7) days were devoted to the program, which was completed between September 11, 2021 to September 17, 2021. During this time, a total area of 8 km were traversed on the property during which, 49 rock samples were collected and rock types were recorded. All Rock samples were assayed for gold. The highest assay obtained during the survey was 3.21 ppm Au.

The work was performed by:

- 1.) Robert Dillman of Mount Brydges, Ontario: Claim owner
- 2.) Dr. Jim Renaud of London, Ontario: geologist

Location, Property Ownership, Access

The Black River South Property is located approximately 185 kilometres northeast of Toronto, Ontario, Canada (Figure 1). The property is situated in Grimsthorpe Township in Hastings County and in the jurisdiction of Southern Ontario Mining Division.

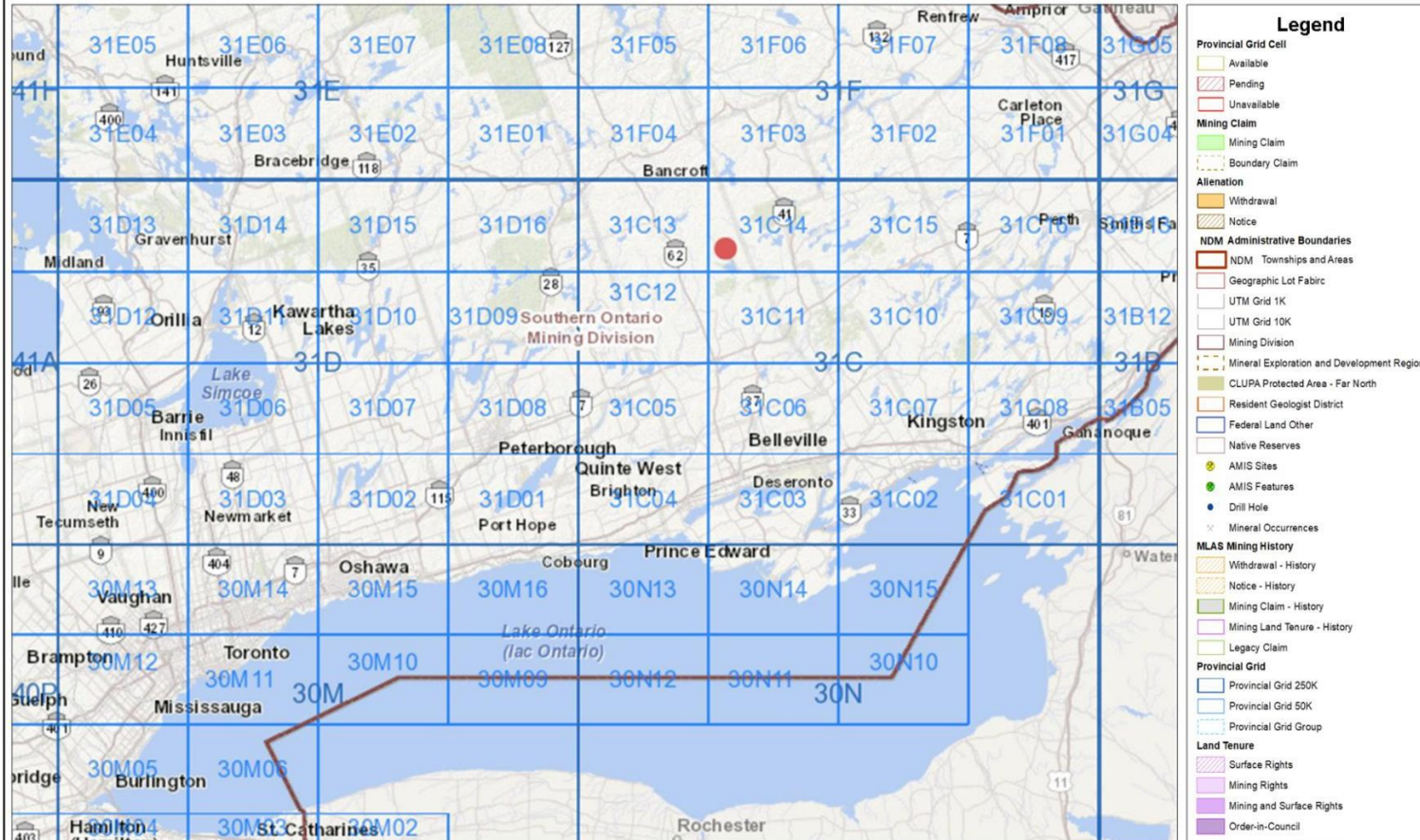
Historically, the property consists of five contiguous non-patented Legacy mining claims covering a total area of 340 hectares (Figure 2). The shape of the property is formed by the original Legacy claims. Under the new Mining Lands Administration System (MLAS) the Black River South Property consists of 2 Single Cell Mining Claims and 28 Boundary Cell Mining Claims (Figure 3). A yearly commitment of \$6,200 exploration expenditures is required to keep the property in Active Standing. The logistics of the claim block is summarized in Table 1. Titles to the mining claims comprising the Black River South Property are all registered to Robert Dillman of Mount Brydges, Ontario.



Ministry of Northern Development, Mines,
Natural Resources and Forestry (NDMNRF)
MLAS Map Viewer

Figure 1. Property Location Map

Notes:
Black River South Property
Grimsthorpe Township



Legend

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

Those wishing to register mining claims should consult with the Provincial Mining Recorders' Office of the Northern Development and Mines (NDM) for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Natural Resources and Forestry. The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Northern Development and Mines (NDM) web site.



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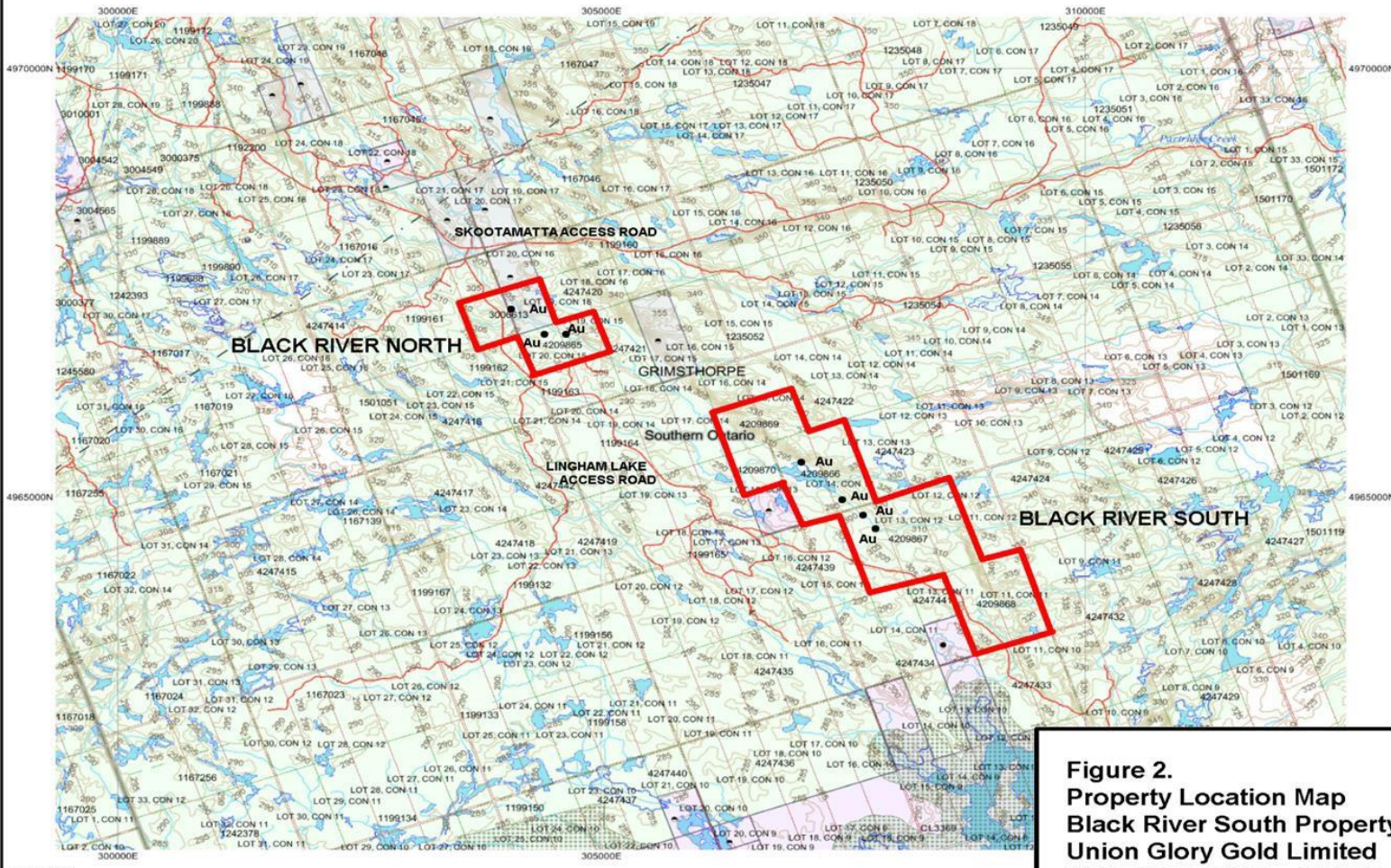
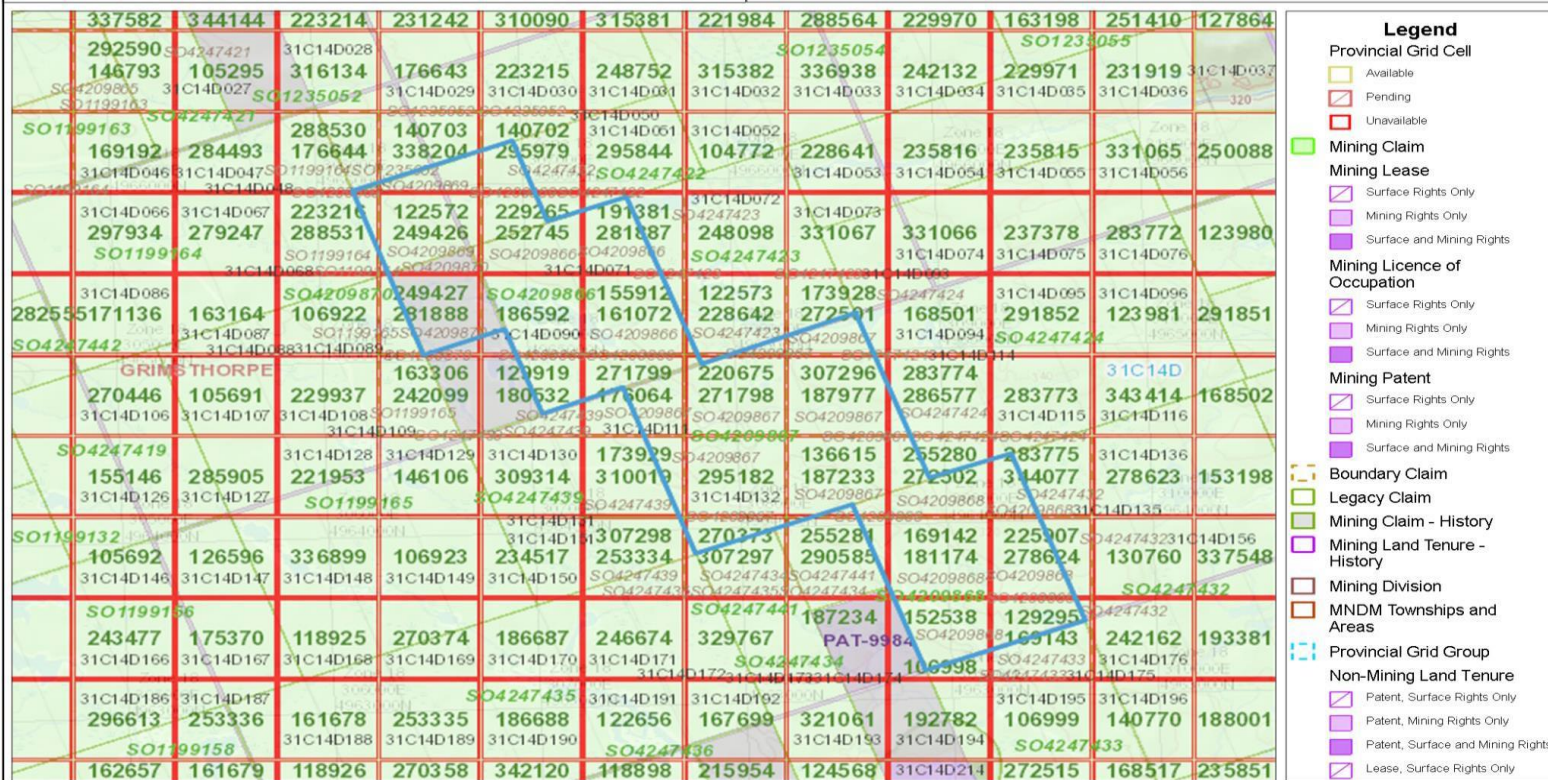


Figure 2.
Property Location Map
Black River South Property
Union Glory Gold Limited
Grimsthorpe Twp., Ontario



Figure 3. MLAS Claim Map
Black River South Property
Grimsthorpe, Twp., Ontario



Legend

- Provincial Grid Cell
 - Available
 - Pending
 - Unavailable
- Mining Claim
 - Surface Rights Only
 - Mining Rights Only
 - Surface and Mining Rights
- Mining Licence of Occupation
 - Surface Rights Only
 - Mining Rights Only
 - Surface and Mining Rights
- Mining Patent
 - Surface Rights Only
 - Mining Rights Only
 - Surface and Mining Rights
- Boundary Claim
- Legacy Claim
- Mining Claim - History
- Mining Land Tenure - History
- Mining Division
- MNDM Townships and Areas
- Provincial Grid Group
- Non-Mining Land Tenure
 - Patent, Surface Rights Only
 - Patent, Mining Rights Only
 - Patent, Surface and Mining Rights
 - Lease, Surface Rights Only

0 1.44 km

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Black River South Property



Table 1.
Legacy Claims & MLAS Claim Logistics
Black River South Property
Grimsthorpe Twp., Ontario

SCMC: Single Cell Mining Claim

BCMC: Boundary Cell Mining Claim

MLAS CLAIM NUMBER	CELL NUMBER	MININGCELL TYPE	LEGACY CLAIM HYPERLINK	ASSESSMENT REQUIRED \$	ASSESSMENT DUE DATE
307296	31C14D113	BCMC	4209867	200	FEB. 9, 2022
173929	31C14D131	BCMC	4209867	200	FEB. 9, 2022
295182	31C14D132	SCMC	4209867	400	FEB. 9, 2022
136615	31C14D133	BCMC	4209867 4209868	200	FEB. 9, 2022
255280	31C14D134	BCMC	4209867 4209868	200	FEB. 9, 2022
344077	31C14D135	BCMC	4209868	200	FEB. 9, 2022
225907	31C14D155	BCMC	4209868	200	FEB. 9, 2022
169142	31C14D154	BCMC	4209868	200	FEB. 9, 2022
255281	31C14D153	BCMC	4209867 4209868	200	FEB. 9, 2022
152538	31C14D174	BCMC	4209868	200	FEB. 9, 2022
169143	31C14D175	BCMC	4209868	200	FEB. 9, 2022
307298	31C14D151	BCMC	4209867	200	FEB. 9, 2022
307297	31C14D152	BCMC	4209867	200	FEB. 9, 2022
163306	31C14D109	BCMC	4209870	200	FEB. 9, 2022
180532	31C14D110	BCMC	4209866	200	FEB. 9, 2022
271799	31C14D111	BCMC	4209866 4209867	200	FEB. 9, 2022
281888	31C14D089	BCMC	4209866 4209870	200	FEB. 9, 2022
122572	31C14D069	BCMC	4209866 4209869 4209870	200	FEB. 9, 2022
288531	31C14D068	BCMC	4209869	200	FEB. 9, 2022
288530	31C14D048	BCMC	4209869	200	FEB. 9, 2022
140703	31C14D049	BCMC	4209869	200	FEB. 9, 2022
140702	31C14D050	BCMC	4209869	200	FEB. 9, 2022
252745	31C14D070	BCMC	4209866 4209869	200	FEB. 9, 2022
281887	31C14D071	BCMC	4209866	200	FEB. 9, 2022
161072	31C14D091	BCMC	4209866	200	FEB. 9, 2022
186592	31C14D090	SCMC	4209866 4209870	200	FEB. 9, 2022
1225773	31C14D092	BCMC	4209866 4209867	200	FEB. 9, 2022
271798	31C14D112	BCMC	4209866 4209867	200	FEB. 9, 2022
173928	31C14D093	BCMC	4209867	200	FEB. 9, 2022
286577	31C14D114	BCMC	4209867	200	FEB. 9, 2022

\$6,200

The Black River South Property has good seasonal road access. Starting from the town of Gilmour on Provincial Highway 62, the property can be reached by traveling 5.1 km northeast on the Weslemkoon Lake Road to the intersection of the Skootamatta Lake Forest Access Road. Turn south onto the Skootamatta Lake Forest Access Road and continue for 7.1 km to the intersection of the Lingham Lake Access Road (Ray's Road). Turn south on the Lingham Lake Access Road and continue for 4 km at which point the road crosses the west side of the property. It should be noted that the Skootamatta Forest Access Road is a seasonal road and is not maintained in the winter months unless winter logging operations are occurring in the area.

Regional Geology

The Black River South Property is underlain by Proterozoic geological units belonging to the Grimsthorpe Domain of the Central Metasedimentary Belt of the Grenville Structural Province (Figure 4).

The Grimsthorpe Domain is dominated by mafic metavolcanic and volcanoclastic metasedimentary rocks older than 1270 Ma (Easton 1992). The Grimsthorpe Domain includes:

- younger rocks of the Grimsthorpe Group, consisting mainly of metavolcanic-clastic metasedimentary rocks and minor metavolcanic flows of the Tudor Formation, minimum age 1279 +/-13 Ma (Easton 2004).
- the older rocks of the Canniff Complex dominated by massive and pillowed tholeiitic metabasalts, metagabbro and metaperidotite. An unconformity exists between the Canniff Complex and the overlying Grimsthorpe Group (Easton 2004).

The region has been intruded by large plutons of gabbro, diorite and syenite. Locally, areas have been intruded by small intrusions of granite, gabbro, anorthosite, peridotite, felsite and diabase dikes.

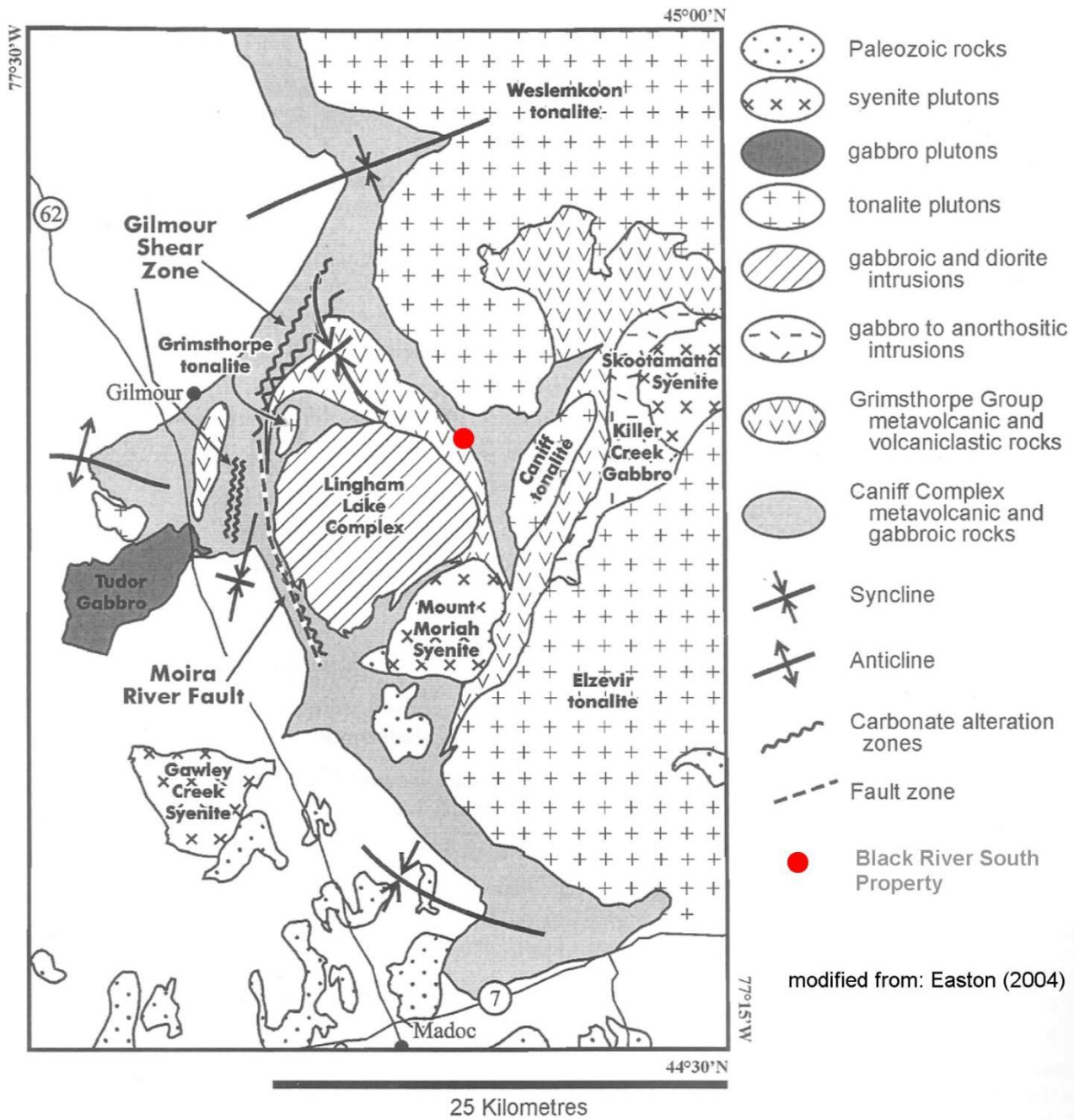


Figure 4.
Regional Geology Tudor & Grimsthorpe Twp.'s

Property Geology

The Black River South Property is situated within southwest trending greenstone consisting of rock units belonging to the Grimsthorpe Domain and the Canniff Complex. The area is bordered to southwest by gabbroic and peridotite intrusive rocks of the Lingham Lake Complex and by tonalite intrusive rocks of the Weslemkoon Tonalite. The property straddles the unconformity between the Grimsthorpe Domain and the Canniff Complex. In this section of Grimsthorpe Township, the unconformity is marked by a thin unit of highly altered marble belonging to the Grimsthorpe Domain. East of the unconformity, rock units consist of massive basaltic and gabbroic flows. Rock units west of the unconformity consist mostly of large metavolcanic flows of basaltic rock and smaller metasedimentary units of greywacke, argillite and phyllite. Metasedimentary units strike northwest-southeast and dip moderately southwest to near-vertical with proximity to the unconformity.

Rock units west of the unconformity have been intruded by east-west trending diabase dikes which crosscut stratigraphy. It is unknown if the diabase dikes cross the unconformity and continue through the Canniff Complex. White, fine-grained felsite dikes have been observed in outcrops of the Grimsthorpe Domain and the Canniff Complex.

Metamorphic grade on the property ranges from the biotite grade of the Greenschist facies to hornblende grade of the Amphibolite facies. Alteration is limited and occurs mostly as silicification in metasedimentary rocks usually accompanied with quartz veins, stringers, pyrite, arsenopyrite and pyrrhotite. The marble unit marking the unconformity has extensive carbonate alteration in the form of ankerite.

Structurally, displacement of metasedimentary units along strike indicates the property is crossed by east-west orientated faults. Shearing is present with silicification in metasedimentary units of the Grimsthorpe Domain adjacent to the unconformity.

Sulphides on the property consist of pyrite, pyrrhotite and arsenopyrite and are mostly confined to metasedimentary rocks. Gold and silver occur with arsenopyrite and pyrite in quartz veins, stringers and silicified zones in sheared and schistose metasedimentary rocks situated close to the unconformity. Pyrite sometimes occurs in Fe-carbonated marble. Fine magnetite is present in metasedimentary rocks.

History of Exploration

In 1941 and 1942, the geology of Grimsthorpe Township and surrounding area was mapped by V. B. Meen on behalf of the Ontario Department of Mines. The area was re-mapped in 1990 by R. M. Easton of the Ontario Geological Survey. Prior to 1991, there is no record of mineral exploration in the area covered by the Black River South Property.

In 1991, gold was discovered in the Black River area by Robert Dillman. Between 1991 and 2003, Dillman has completed the following surveys: prospecting, geological mapping, manual trenching, soil sampling, ground magnetometer and VLF surveys. Reports for all the surveys are available online at the Ministry of Northern Development and Mines website. This work led to the discovery of gold mineralization forming the Heron Pond Zone on the Black River South Property, the Gopher Zone and the Black River North Property which includes the Christie Zone, discovered in 2000 by J. Laidlaw and B. Christie during a property examination on behalf of Homestake Minerals Inc.

In 2010, the Black River South Property was optioned to Union Glory Gold Limited. In the same year, Union Glory completed a ground radiometric survey and collected soil samples over sections of the Heron Pond Zone. The geophysical survey outlined 18 weakly radioactive areas potentially related to zones of alteration, sulphide mineralization and various rock types such as metasedimentary schists and felsic rock. The soil survey returned anomalous gold values ranging 0.03 to 0.06 g/t Au over metasedimentary schists situated close to the unconformity. A rock sample of a boulder containing galena assayed 0.07 g/t Au and 2.5 g/t Ag.

In 2013, a petrologic study was completed on mineralized rock samples collected from trenches excavated previously by Dillman in the Heron Pond Zone. Native gold, galena, zinc and various sulphide minerals containing iron, arsenic, lead, molybdenum and stibnite were identified in samples of quartz vein material taken from the trenches. In December of the same year, a ground magnetometer and VLF-EM survey was performed over most of the property. The surveys defined northwest to north-south magnetic trends and conductors coinciding with the Heron Pond Zone and adjacent metasedimentary units.

In 2017, historic trenches excavated by Dillman were manually cleaned and expanded. The work was completed under Exploration Plan Number: PL17-10778 which expired in 2019. Best assays from grab and channel samples collected during the work included: 8.34 g/t Au, 343 g/t Ag, 0.552% Pb, 0.076% Zn, 314 ppm Sb and 0.476% W.

Survey Dates and Personnel

Field work for this report was completed over 7 days between September 11, 2021 to September 17, 2021. The traverses were completed by: Dr. Jim Renaud of London, Ontario and Robert Dillman of Mount Brydges, Ontario.

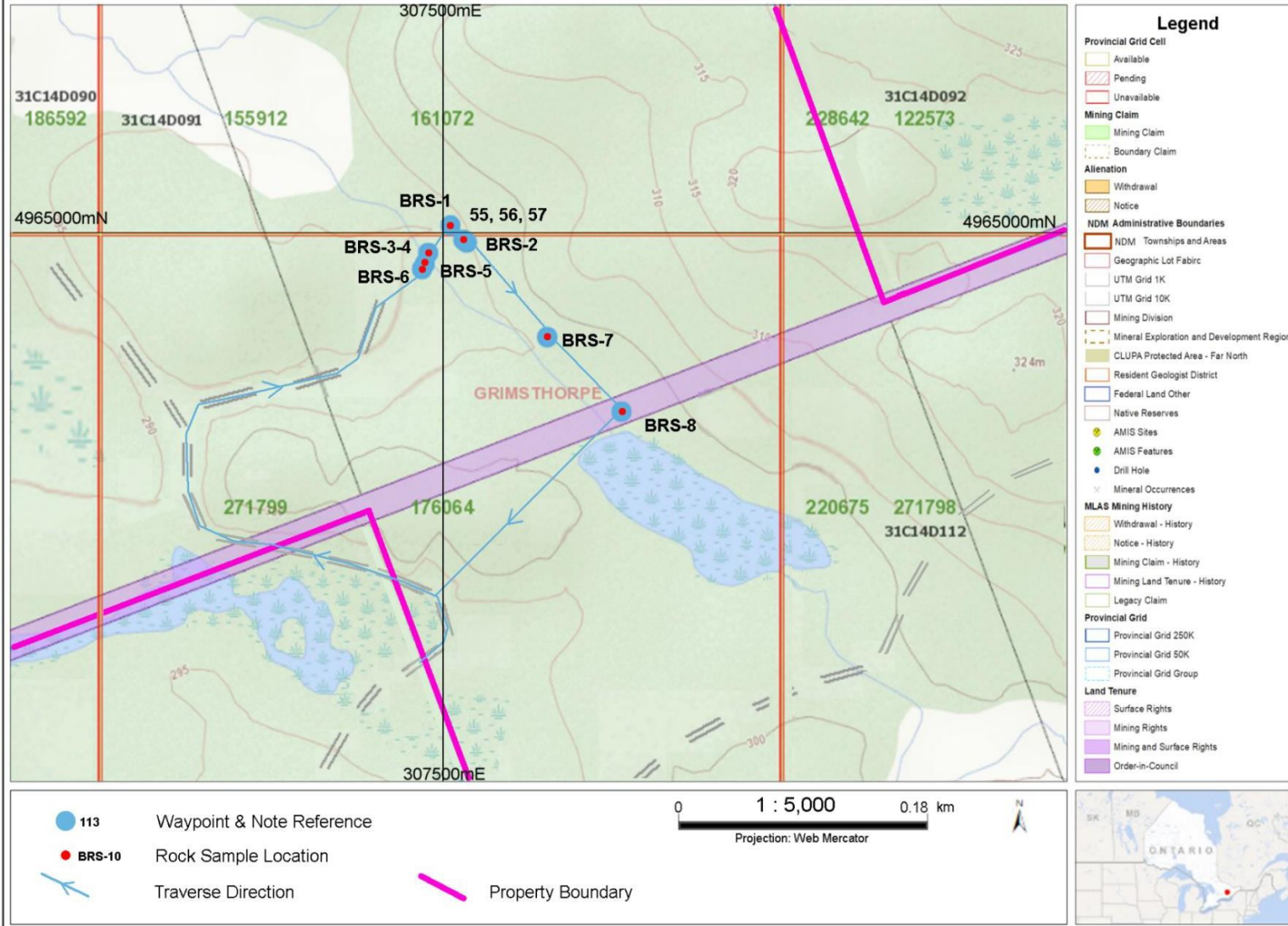
Survey Logistics

Prospecting traverses were initiated to expand the mineralization in the Heron Pond Zone. A total of 8 km was prospected in 6 traverses on the property. The traverses are plotted at a scale of 1 : 5,000 and 1: 10,000 in Figures 6 to 11.

A compass, a Garmin GPS model GPSMAP 66st and a CAT S42 smartphone handheld device equipped with the MapInfo Discovery software were used to navigate, record geology and collect pictures during traverses. The GPS unit was set to NAD83, Zone 18. Waypoints and geological notes are included to this report.

Figure 6.
September 11, 2021 Traverse
Black River South Property

Notes: Grimsthorpe Twp.,
Ontario



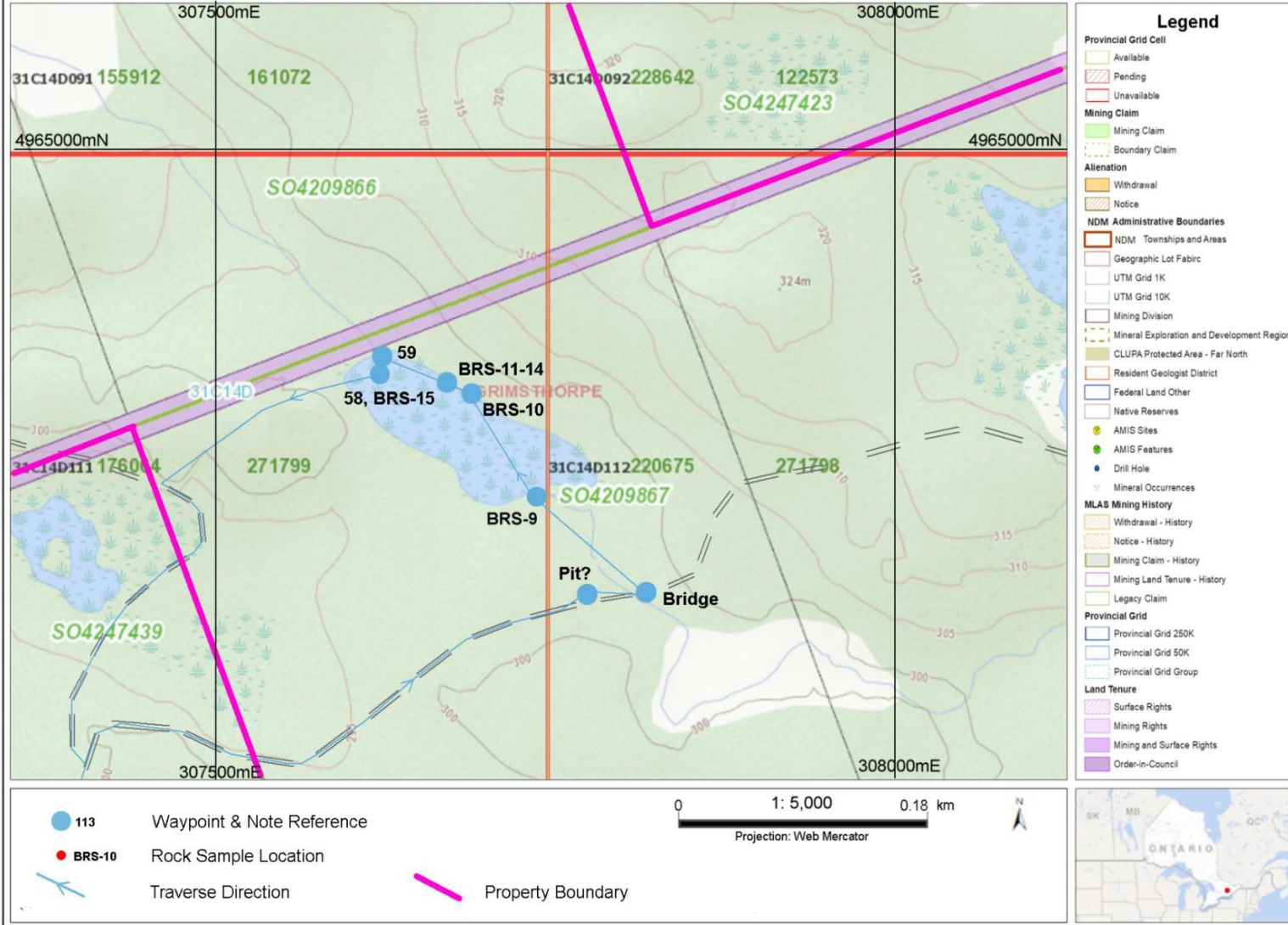


Figure 8.
September 13, 2021 Traverse
Black River South Property

Notes: **Grimsthorpe Twp.,
Ontario**

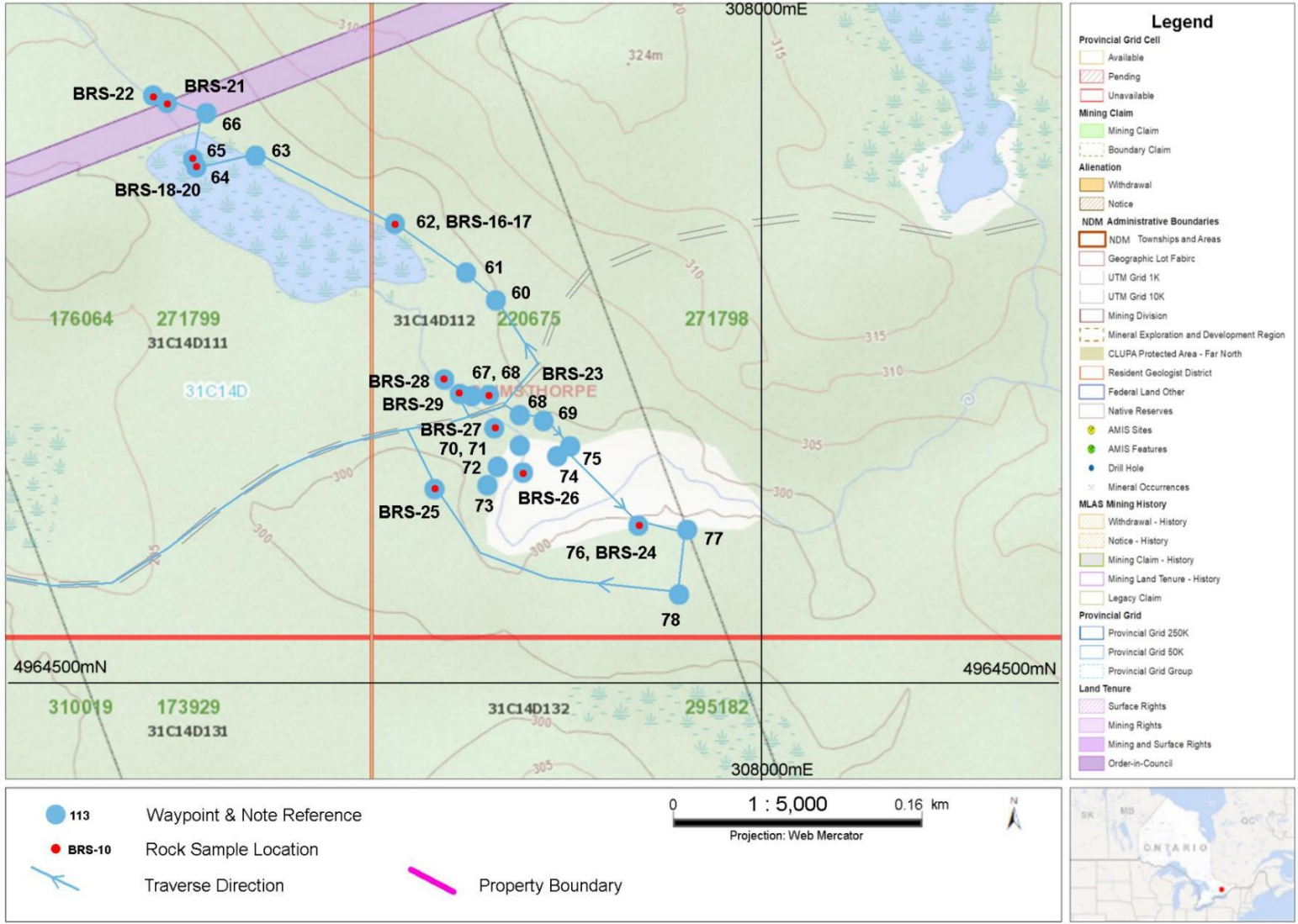
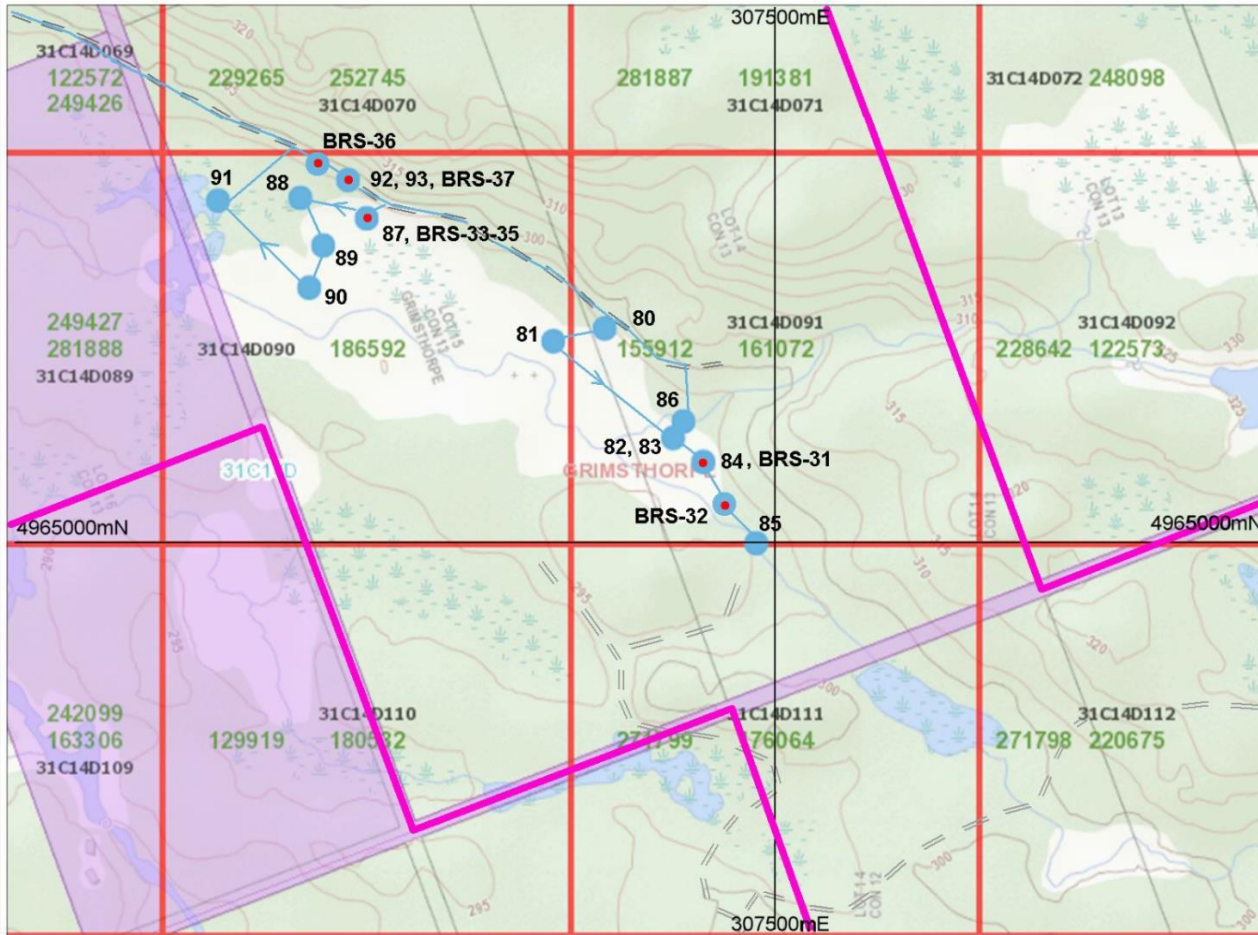


Figure 9.
September 14, 2021 Traverse
Black River South Property

Notes: Grimsthorpe Twp.,
Ontario



Legend

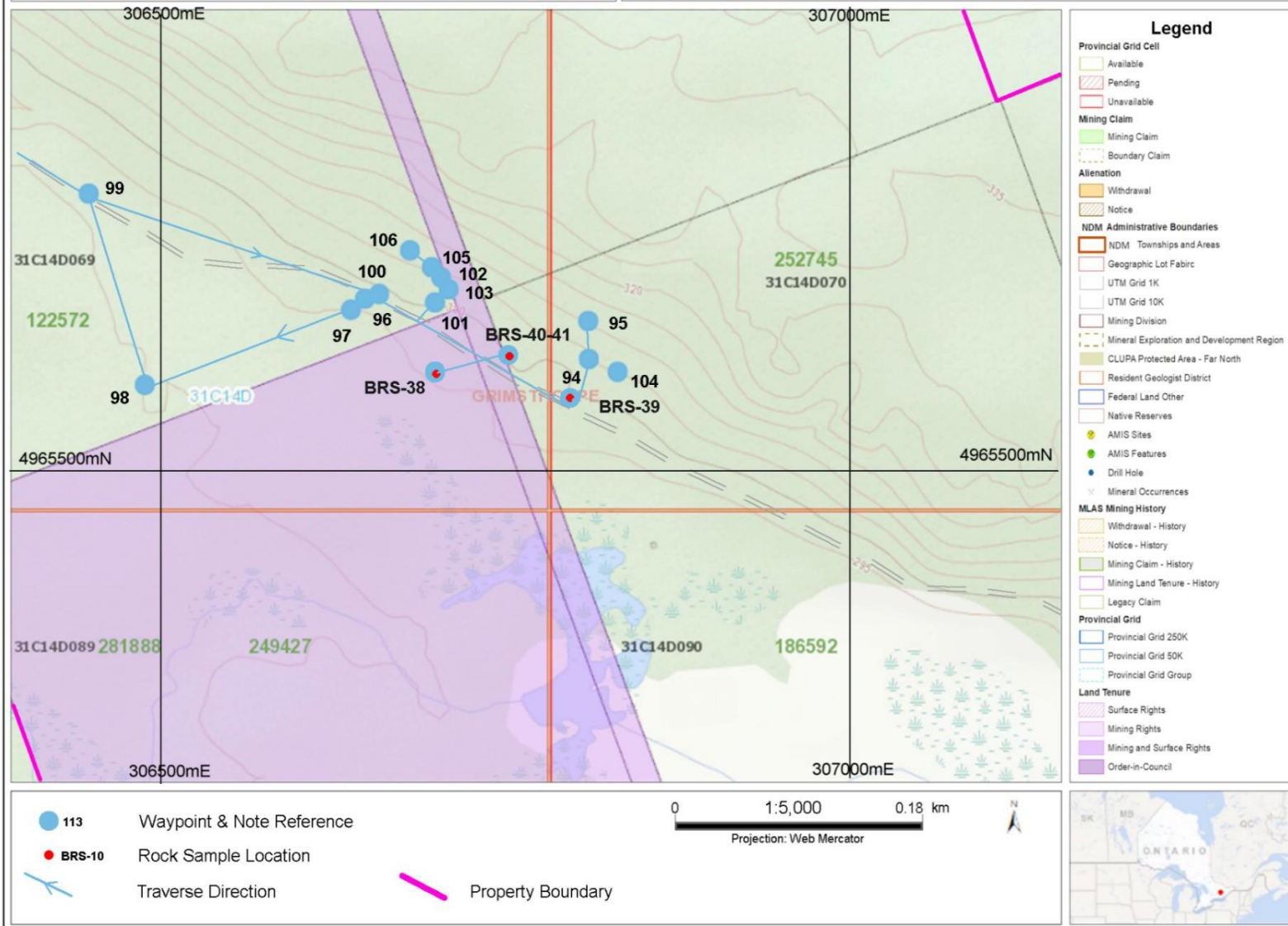
- Provincial Grid Cell**
 - Available
 - Pending
 - Unavailable
- Mining Claim**
 - Mining Claim
 - Boundary Claim
- Alienation**
 - Withdrawal
 - Notice
- NDM Administrative Boundaries**
 - NDM Townships and Areas
 - Geographic Lot Fabric
 - UTM Grid 1K
 - UTM Grid 10K
 - Mining Division
 - Mineral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

- 113 Waypoint & Note Reference
- BRS-10 Rock Sample Location
- Traverse Direction
- Property Boundary



Figure 10.
September 15, 2021 Traverse
Black River South Property

Notes: Grimsthorpe Twp.,
Ontario



Legend

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

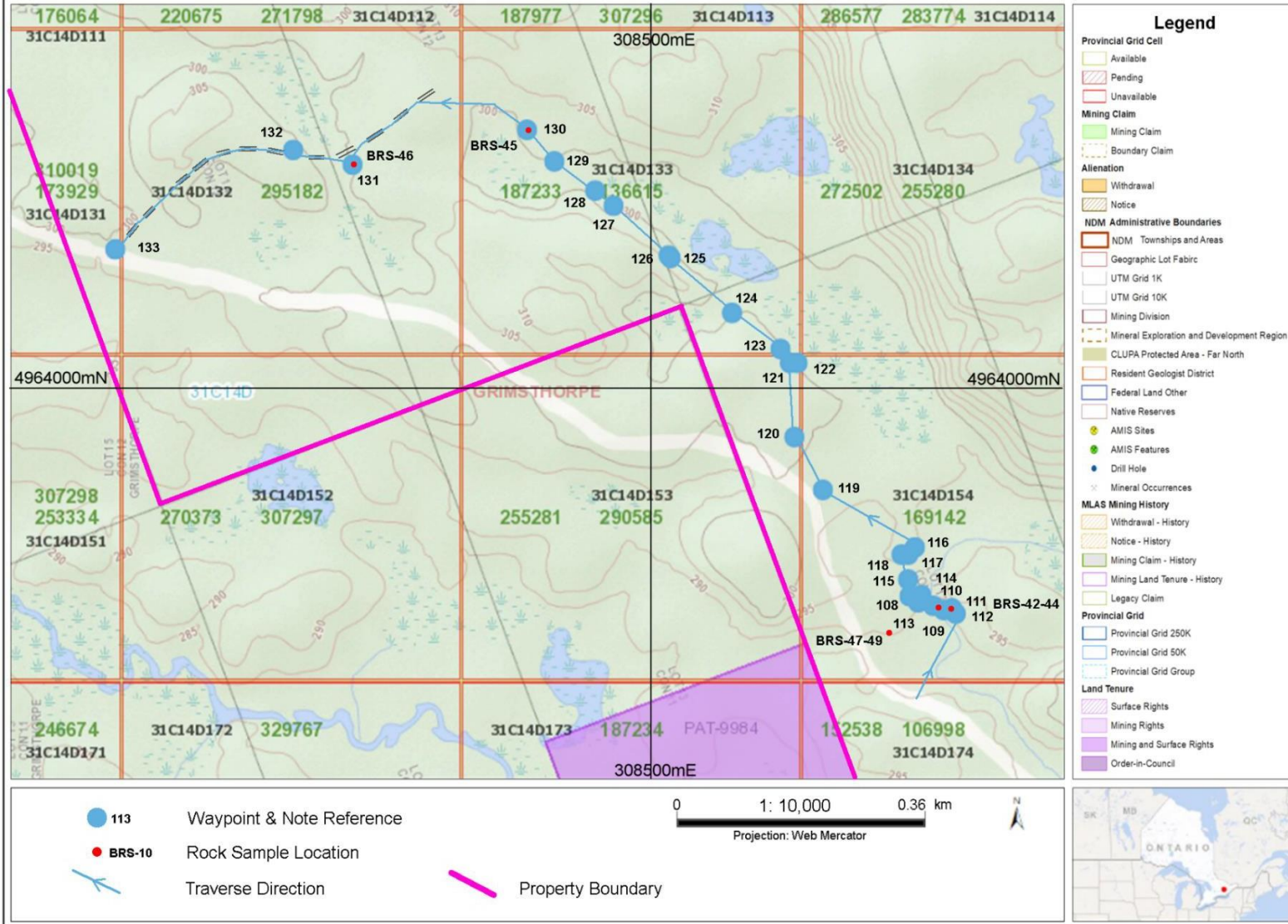
- 113 Waypoint & Note Reference
- BRS-10 Rock Sample Location
- Traverse Direction
- Property Boundary

0 1:5,000 0.18 km
Projection: Web Mercator



Figure 11.
September 16, 2021 Traverse
Black River South Property

Notes: Grimsthorpe Twp.,
Ontario



A total of 49 rock samples were collected during the traverses. All rock samples were delivered to AGAT Laboratory for analyses. The lab is in Mississauga, Ontario. All rock samples were Fire Assayed for gold using a 50 gram charge and finished by Inductively Coupled Plasma – Optical Emission Spectroscopy (ICP-OES) to measure the gold concentration. Assay certificates from the lab are appended to this report.

Rock sample locations, descriptions, pictures, and assay results are presented in Table 2 and plotted at a scale of 1 : 10,000 on a Rock Sample Map included with this report.

Geological observations and pictures compiled on the CAT S42 during the traverses are attached to this report and plotted at a scale of 1 : 10,000 on a Geology Map also included with this report.

Survey Results

The assay results collected from the property are summarized in Table 2. Forty nine (49) rock samples were collected on the property. Sixteen (16) samples assayed greater than 1.0 ppm Au, the highest being 3.21 ppm (3.21 g/t). In addition, 8 samples returned highly anomalous gold values ranging greater than 0.200 ppm Au (0.2 g/t). All samples with gold were collected from outcrop and boulders along the Heron Pond Zone.

A new exposure of the zone was discovered in cell 32C14D111 (UTM 307630mE, 4964852mN). The outcrop was located in an area previously flooded by beavers. Four samples collected at the site, BRS-15, BRS-18 to 20, assayed 1.171 ppm Au, 2.135 ppm Au, 0.812 ppm Au and 0.780 ppm Au.

Table 2. September 11, 2021 Traverse, Black River South Property, Grimsthorpe Twp., Ontario

Waypoint	Easting	Northing	Claim, Cell	Rock Sample	Assay ppm	Notes
BRS-1	307515	4965011	161072, 31C14D091	BRS-1	2.88	Quartz + greywacke, 1 – 5% As + py, representative of vein + wallrock 0.35 m, in trench.
BRS-2	307524	4965000	271799, 31C14D111	BRS-2	1.17	East trench, Quartz + greywacke, 1 – 5% As + py, representative of vein + wallrock 0.30 m, in trench.
BRS-3-4	307498	4964992	271799, 31C14D111	BRS-3	2.44	Black to white, coarse sucrosic quartz with 1 - 5 % As + py and silicified metased. Rep. 0.35 m
BRS-3-4	307498	4964992	271799, 31C14D111	BRS-4	0.144	Silicified metased adjacent vein Tr.-2% As + py, rep. 0.25 m
BRS-5	307496	4964984	271799, 31C14D111	BRS-5	1.54	Quartz stringers in silicified metasediment 2-5% As + py, boulders in creek
BRS-6	307494	4964980	271799, 31C14D111	BRS-6	0.478	Quartz with traces of galena, sphalerite, arsenopyrite and pyrite in silicified metased with 1-5% disseminated As+ py
TR.	307527	4964998	271799, 31C14D111			Old trench (Dillman, 1991)
BRS-7	307583	4964930	271799, 31C14D111	BRS-7	0.016	Greywacke/ phyllite with 1 cm blebs of pyrite 1-10%
BRS-8	307636	4964874	271799, 31C14D111	BRS-8	3.21	Silicified metasediment with dark quartz 2-10% py + As, grab 0.5 m

September 12, 2021 Traverse, Black River South Property, Grimsthorpe Twp., Ontario

Waypoint	Easting	Northing	Claim, Cell	Rock Sample	Assay ppm	Notes
BRS-9	307740	4964751	271799, 31C14D111	BRS-9	0.022	Diabase, 3m wide striking E-W
BRS-10	307695	4964829	271799, 31C14D111	BRS-10	1.43	Silicified metased with quartz stringers striking parallel schistosity cut by 1" dark quartz stringer with 1% As
BRS-11-14	307677	4964837	271799, 31C14D111	BRS-11	0.939	Black quartz and silicified wallrock. Trace As in quartz, 1-10% py +/- As in greywacke. Loose boulders, 1 x 0.5 x 0.3 m
BRS-11-14	307677	4964837	271799, 31C14D111	BRS-12	1.302	Same.
BRS-11-14	307677	4964837	271799, 31C14D111	BRS-13	1.284	Same.
BRS-11-14	307677	4964837	271799, 31C14D111	BRS-14	1.053	Same. 1-2% py +/- As in silicified metasediment wallrock.
BRS-15	307631	4964856	271799, 31C14D111	BRS-15	1.171	Dark quartz stringers 1" wide cut greywacke schist, patchy pyrite +/- As in quartz stringers + tr. black sphalerite, 5-15% py + Tr. As in wallrock 0.3m
Shaft?	307774	4964683	271798, 32C14D112			1.5 x 1.5 x 2 m hole in metavolcanic rock just west of creek.
Bridge	307817	4964684	271798, 32C14D112			Zone under bridge.

Table 2. continued September 13, 2021 Traverse, Black River South Property, Grimsthorpe Twp., Ontario

Waypoint	Easting	Northing	Claim, Cell	Rock Sample	Assay Ppm	Notes
BRS-16	307761	4964801	271798, 32C14D112	BRS-16	0.005	Marble boulder 1 x 1 x 0.5 m. FeC + biotite, brecciated, occasional clots of pyrite, white quartz stringers. Close to mafic outcrop
BRS-17	307759	4964798	271798, 32C14D112	BRS-17	0.001	Marble boulder 1 x 1 x 0.5 m. FeC + biotite, mylonitized, occasional clots of pyrite, white quartz stringers. Close to mafic outcrop
BRS-18-20	307630	4964852	271799, 32C14D111	BRS-18	2.135	Dark quartz stringers cutting schistosity, tr. As in quartz, 1-5% py +/- As in wallrock 0.30m
BRS-18-20	307630	4964852	271799, 32C14D111	BRS-19	0.812	Dark quartz stringers cutting schistosity, tr. As in quartz, 1-5% py +/- As in wallrock 0.30m
BRS-18-20	307630	4964852	271799, 32C14D111	BRS-20	0.780	Dark quartz stringers cutting schistosity, tr. As in quartz, 1-5% py +/- As in wallrock 0.30 m
BRS-21	307618	4964880	271799, 32C14D111	BRS-21	1.08	Dark quartz stringers in silicified schistose metasediment, biotite on cleavages. . As in quartz, 1-5% py +/- As in wallrock
BRS-22	307610	4964885	271799, 32C14D111	BRS-22	1.56	Dark quartz stringers in silicified schistose metasediment, biotite on cleavages. . As in quartz, 1-5% py +/- As in wallrock
BRS-23	307823	4964687	271798, 32C14D112	BRS-23	1.62	Dark quartz stringers in silicified schistose metasediment, biotite on cleavages. . As in quartz, 1-5% py +/- As in wallrock
BRS-24	307923	4964601	271798, 32C14D112	BRS-24	0.012	Silicified greywacke with pyrite stringers in fractures, 1-20% py
BRS-25	307786	4964628	271798, 32C14D112	BRS-25	0.008	Rusty phyllite with 1-3% disseminated pyrite
BRS-26	307844	4964636	271798, 32C14D112	BRS-26	0.092	Dark quartz stringers cutting schistosity, tr. As in quartz, 1-5% py +/- As in wallrock and quartz stringers
BRS-27	307826	4964665	271798, 32C14D112	BRS-27	0.144	Silicified + biotite metasediment with Tr. -2% py disseminated
BRS-28	307794	4964698	271798, 32C14D112	BRS-28	0.079	Sheared phyllite with net textured pyrite stringers 5 – 20% py
BRS-29	307802	4964695	271798, 32C14D112	BRS-29	1.46	silicified phyllite with quartz stringers , 1-5% py +/- As
BRS-30	307804	4964688	271798, 32C14D112	BRS-30	0.789	black quartz, 1-5% As, loose, 0.2 x 0.2 x 0.2, square

Table 2. continued September 14, 2021 Traverse, Black River South Property, Grimsthorpe Twp., Ontario

Waypoint	Easting	Northing	Claim, Cell	Rock Sample	Assay ppm	Notes
BRS-31	307428	4965066	161072, 31C14D091	BRS-31	0.265	Rusty graphite/ phyllite with Tr.-3% pyrite
BRS-32	307458	4965046	161072, 31C14D091	BRS-32	0.057	fine biotite rich metasediment with fine pyrite and thin quartz stringers.
BRS-33-34	307066	4965398	186592, 31C14D090	BRS-33	0.012	slate/ argillite with biotite rich bands and very fine py. Tr.-2%
BRS-33-34	307066	4965398	186592, 31C14D090	BRS-34	0.018	slate/ argillite with biotite rich bands and very fine py. Tr.-2%
BRS-35	307060	4965392	186592, 31C14D090	BRS-35	0.38	slate/ argillite with biotite rich bands + 1 cm quartz stringers, 10% very fine py.
BRS-36	306974	4965461	186592, 31C14D090	BRS-36	1.13	dark sucrosic quartz with 5-10% py + As, biotite clots
BRS-37	307017	4965430	186592, 31C14D090	BRS-37	0.015	argillite with black amphibole layers. Tr.-3% py

September 15, 2021 Traverse, Black River South Property, Grimsthorpe Twp., Ontario

Waypoint	Easting	Northing	Claim, Cell	Rock Sample	Assay ppm	Notes
PIT?	306685	4965615	122572, 31C14D069			
BRS-38	306682	4965613	122572, 31C14D069	BRS-38	0.006	marble with rusty quartz. Large boulder close to marble outcrops
BRS-39	306807	4965571	252745, 31C14D070	BRS-39	0.009	FeC rich marble with biotite rich layers, trace pyrite, best over 0.2 m
BRS-40-41	306748	4965605	122572, 31C14D069	BRS-40	0.008	silicified metasediment with quartz-calcite stringers and biotite 1-3% fine py +/- As
BRS-40-41	306748	4965605	122572, 31C14D069	BRS-41	0.007	silicified metasediment with quartz-calcite stringers and biotite 1-3% fine py +/- As

Table 2. continued September 16, 2021 Traverse, Black River South Property, Grimsthorpe Twp., Ontario

Waypoint	Easting	Northing	Claim, Cell	Rock Sample	Assay Ppm	Notes
BRS-42-43	308901	4963675	169142, 31C14D154	BRS-42	0.004	marble with black micaceous biotite/ chlorite with 2-10% disseminated coarse pyrite, loose off outcrop.
BRS-42-43	308901	4963675	169142, 31C14D154	BRS-43	0.003	marble with black micaceous biotite/ chlorite with 5-10% disseminated coarse pyrite, loose off outcrop.
BRS-44	308908	4963664	169142, 31C14D154	BRS-44	0.006	marble, silicified FeC rich with qtz-cal stringers, biotite rich layering, Tr.-5% py.
BRS-45	308334	4964386	136615, 31C14D133	BRS-45	0.004	diabase? with FeC + pyrite stringers, loose on outcrop
BRS-46	308068	4964329	295182, 31C14D132	BRS-46	0.004	rusty greywacke beside trail crossing lineament, Tr.-1% fine pyrite + pyrrhotite. rep 1 m
BRS-47	308854	4963667	169142, 31C14D154	BRS-47	0.275	loose boulders close to metased outcrops, silicified metasediment with dark, sucrosic quartz stringers, biotite rich layers, 1-5% py +/- As, west of marble
BRS-48	308854	4963667	169142, 31C14D154	BRS-48	0.003	loose boulders close to metased outcrops, silicified metasediment with dark, sucrosic quartz stringers, biotite rich layers, 1-5% py +/- As, west of marble
BRS-49	308854	4963667	169142, 31C14D154	BRS-49	0.001	loose boulders close to metased outcrops, silicified metasediment with dark, sucrosic quartz stringers, biotite rich layers, 1-5% py +/- As, west of marble



BRS-1 2.88 ppm Au



BRS-2 1.17 ppm Au



BRS-3 2.44 ppm Au



BRS-4 0.144 ppm Au



BRS-5 1.54 ppm Au



BRS-6 0.478 ppm Au



BRS-7 0.016 ppm Au



BRS-8 3.21 ppm Au



BRS-10 1.43 ppm Au



BRS-11 0.939 ppm Au



BRS-12 1.302 ppm Au



BRS-13 1.284 ppm Au



BRS-14 1.053 ppm Au



BRS-15 1.171 ppm Au



BRS-16 0.005 ppm Au



BRS-17 0.001 ppm Au



BRS-18 2.135 ppm Au



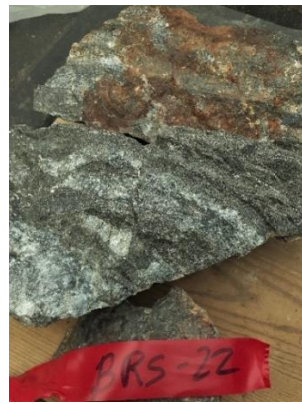
BRS-19 0.812 ppm Au



BRS-20 0.780 ppm Au



BRS-21 1.08 ppm Au



BRS-22 1.56 ppm Au



BRS-23 1.62 ppm Au



BRS-24 0.012 ppm Au



BRS-25 0.008 ppm Au



BRS-26 0.092 ppm Au



BRS-27 0.144 ppm Au



BRS-28 0.079 ppm Au



BRS-29 1.46 ppm Au



BRS-30 0.789 ppm Au



BRS-31 0.012 ppm Au



BRS-32 0.057 ppm Au



BRS-33 0.012 ppm Au



BRS-34 0.018 ppm Au



BRS-34 0.018 ppm Au



BRS-36 1.13 ppm Au



BRS-37 0.015 ppm Au



BRS-38 0.006 ppm Au



BRS-39 0.009 ppm Au



BRS-40 0.008 ppm Au



BRS-41 0.007 ppm Au



BRS-42 0.004 ppm Au



BRS-43 0.003 ppm Au



BRS-44 0.006 ppm Au



BRS-45 0.004 ppm Au



BRS-46 0.004 ppm Au



BRS-47 0.275 ppm Au



BRS-48 0.003 ppm Au



BRS-49 0.001 ppm Au



Observation 58: BRS-15 1.171 ppm Au cell 31C14D111, Claim 271799, UTM 307626mE, 4964852mN



Observation 59: BRS-18 2.135 ppm Au cell 31C14D111, Claim 271799, UTM 307630mE, 4964852mN

Figure 12. Heron Pond Zone 29

In the south section of the property, the unconformity between the Grimsthorpe Domain and the Canniff Complex was located in cell 31C14D15154. The unconformity is marked by marble outcrops exposed along a small creek. Greywacke metasediments similar to the unit hosting the Heron Pond Zone are poorly exposed immediately west of the marble outcrops. Three samples were collected from greywacke boulders. Two samples showed no gold upon assay and the third sample, BRS-47, assayed 0.275 ppm Au.

Discussion of Results

The Heron Pond Zone can be traced over 1.5 km by outcrop and float. Gold and silver occur in quartz veins, contorted quartz stringers and silicified shearing in metasedimentary schists situated close to the unconformity between the Grimsthorpe Domain and the Canniff Complex. The schists are composed of greywacke and argillite. The unit hosting the gold structures ranges 15 to 35 metres wide and dips steeply to moderately southwest. The unit follows a NW trending topographic lineament and is poorly exposed along strike. Where exposures are good there are multiple gold-bearing zones across strike. Assays show strong correlation of gold with arsenopyrite and to a lesser extent pyrite.

Prospecting in the north section of the property is hindered by overburden and poor outcrop exposure. It is believed the metasedimentary unit hosting the gold mineralization continues through this section of the property due to the presences of marble which is a marker for the unconformity and Heron Pond style mineralization occurs just outside the northwest corner of the property.

The discovery of marble in the south section confirms the unconformity extends through the south section of the property. A boulder of Heron Pond Style mineralization assaying anomalous gold was found close to outcrops of greywacke situated west of the marble and provides encouragement that gold mineralization occurs in the immediate area.

Conclusions and Recommendations

The Heron Pond Zone is part of a series of gold occurrences in the Grimsthorpe Domain occurring close to the unconformity with the Canniff Complex. This program has found evidence the unconformity crosses the entire length of the property. Further work is warranted based on these results. Additional prospecting, geological mapping and soil sampling over metasedimentary rocks situated west of the unconformity is recommended. An estimated cost for the work is \$21,000 and is based on the following budget:

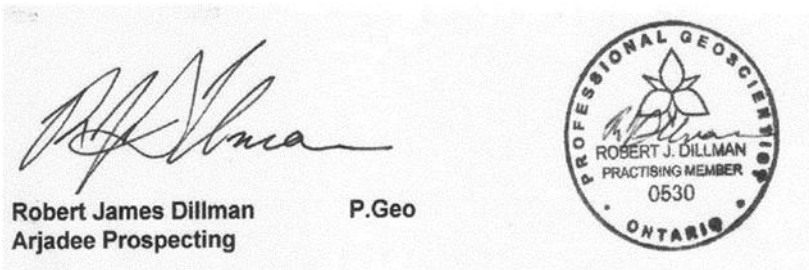
Geological Mapping & Prospecting	\$5,000
Rock Assays	3,000
Soil Sample Collection	1,500
Soil Sample Assays	3,000
Report and Maps	4,500
Food & Lodging	2,000
Transportation	<u>2,000</u>
	\$21,000

Respectfully submitted by,



Dr. Jim Renaud P.Ge.

And,



Robert Dillman B.Sc. P.Ge.

January 28, 2022

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CERIFICATE of AUTHOR

I, Jim Renaud, **Professional Geologist**, do certify that:

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

Renaud Geological Consulting Ltd.,
21272 Denfield Rd
London, Ontario, Canada
N6H-5L2

2. That I have the degree of Bachelor of Science (Chemistry and Geology), 1999, from Western University; the degree of Honors Standing in Geology, 2000, from Western University; Masters of Science (Economic Geology), 2003, from Western University; and Doctor of Philosophy in Geology, 2014, from Western University;

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 2000.

5. I have worked continuously as a Geologist for 19 years.

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

**Report on Prospecting (2021)Black River South Property
Grimsthorpe Township, Ontario**

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 28th day of January 2022



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
Geological Association of Canada, GAC
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 Prospecting (2021), Black River South Property
Grimsthorpe Township, Ontario

dated, January 28, 2022
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 30th day of January, 2022


Robert James Dillman P.Geo
Arjadee Prospecting



CATS42 DATA COLLECTION TABLES

BLACK RIVER GEOLOGY OBSERVATIONS

Observation#	Elevation	GPS_X	GPS_Y	Date	Weather	Temperature	ObservationType	Colour	Lithology	LithMod1	Photo1	Comment	UTM_EAST	UTM_NORTH
55	273	-77.434235	44.8125	SEPT 11 2021	Clear	26			Metasediment(s)			altered metaseds	3075.20	4965006.927
56	273	-77.43424333	44.8125	SEPT 11 2021	Clear	26						dark qtz vein	3075.19	4965004.288
57	269.5	-77.4343	44.8125	SEPT 11 2021	Clear	26						altered metaseds	3075.14	4964989.079
58	260.3	-77.43280333	44.8112	SEPT 12 2021	Clear	26					yes	qtz veins in metaseds contorted scuttling schistosity	307628.7	4964883.019
59	263.6	-77.43287	44.8112	SEPT 12 2021	Clear	26	Outcrop	RustyOrange	Metasediment(s)		yes	altered metaseds with fine quartz veins and sulphide veinlets along foliation	307623.6	4964860.177
60	277.3	-77.43022833	44.8103	SEPT 13 2021	Clear	26	Outcrop	White	Felstite				307829.3	4964747.28
61	275	-77.43046667	44.8104	SEPT 13 2021	Clear	26	Outcrop		Metavolcanics			mafic	307810.9	4964765.066
62	261.2	-77.43107333	44.8107	SEPT 13 2021	Clear	26	Outcrop	White	Marble		yes	Carbonate, micas, chlorite, sulphides	307764	4964798.94
63	261.3	-77.43221167	44.8111	SEPT 13 2021	Clear	26	Outcrop		Metasediment(s)				307675.2	4964844.73
64	263.3	-77.43269333	44.8111	SEPT 13 2021	Clear	26	Outcrop	Dark Grey	Metavolcanics	autobreccia	yes	auto breccia cut by qtz and carb veinlets	307636.9	4964838.312
65	265.7	-77.43274167	44.8111	SEPT 13 2021	Clear	26	Outcrop	Dark Grey	Metavolcanics	fine-grained		no sulphide but late stage qtz veins and stringers. minor hematite associated with quartz stringers	307633.2	4964833.413
66	269.5	-77.43262167	44.8114	SEPT 13 2021	Clear	26	Outcrop		Metasediment(s)				307643.6	4964837.694
67	236.2	-77.43041667	44.8097	SEPT 13 2021	Clear	26	Outcrop		Metasediment(s)			altered metaseds with qtz and asp	307812.5	4964686.302
68	271	-77.430035	44.8096	SEPT 13 2021	Clear	26	Outcrop	White	Felstite				307842.4	4964673.285
69	276.5	-77.42983333	44.8096	SEPT 13 2021	Clear	26	Outcrop		Metasediment(s)			micaceous	307858.3	4964669.916
70	276.2	-77.430025	44.8094	SEPT 13 2021	Clear	26	Contact		Diabase			diabase-metased contact	307842.6	4964653.269
71	269.4	-77.43003667	44.8094	SEPT 13 2021	Clear	26	Contact		Felstite			felstite -metased contact..... 115 degrees bending east west dipping 48 sw	307841.6	4964653.859
72	267	-77.430215	44.8093	SEPT 13 2021	Clear	26	Outcrop		Metavolcanics				307827.2	4964641.392
73	262.5	-77.43029667	44.8092	SEPT 13 2021	Clear	26	Outcrop		Diabase				307820.3	4964629.704
74	268.9	-77.429971	44.8094	SEPT 13 2021	Clear	26	Outcrop		Diabase				307857.3	4964646.611
75	268.5	-77.42960833	44.8094	SEPT 13 2021	Clear	26	Outcrop		Metasediment(s)			fine grained metased with thin laminations of asp	307875.5	4964652.169
76	261.7	-77.42905167	44.809	SEPT 13 2021	Clear	26	Outcrop	pit	Metasediment(s)		yes	altered metaseds w asp... some fine laminations of asp	307918	4964600.65
77	277.6	-77.42863833	44.8089	SEPT 13 2021	Clear	26	Outcrop		Metavolcanics		yes	spherulites and tourmaline	307950.6	4964596.001
78	267.8	-77.42870333	44.8086	SEPT 13 2021	Clear	26	Outcrop		Metavolcanics				307944.3	4964555.719
79	264.6	-77.45076667	44.8209	SEPT 14 2021	Clear	26	Outcrop		Felstite			w incorporated dike	306240.8	4965977.22
80	264.2	-77.4378667	44.8147	SEPT 14 2021	Clear	26	Outcrop		Metavolcanics				307246.2	4965253.407
81	261.3	-77.436975	44.8148	SEPT 14 2021	Clear	26	Outcrop		Metavolcanics			with hairline qtz and carbonate stringers	307310.9	4965265.914
82	257.7	-77.43593833	44.8136	SEPT 14 2021	Clear	26	Float		Felstite				307389	4965134.271
83	256.9	-77.43593333	44.8136	SEPT 14 2021	Clear	26	Outcrop		Metavolcanics			possible mafic	307300.3	4965133.431
84	256.9	-77.43547667	44.8134	SEPT 14 2021	Clear	26	Outcrop		Metavolcanics				307424.6	4965104.407
85	253	-77.43466	44.8125	SEPT 14 2021	Clear	26	Outcrop		Metasediment(s)				307486.3	4965006.047
86	249	-77.43577167	44.8138	SEPT 14 2021	Clear	26	Outcrop		Metavolcanics				307402.7	4965153.867
87	257	-77.440625	44.816	SEPT 14 2021	Clear	26	Outcrop		Metavolcanics	brecciated		Brecciated and carbonate sealed	307026.2	4965405.106
88	259.2	-77.44163833	44.8162	SEPT 14 2021	Clear	26	Outcrop		Metasediment(s)			greywacke	306946.8	4965431.961
89	270.9	-77.44129167	44.8157	SEPT 14 2021	Clear	26	Outcrop		Metavolcanics				306972.5	4965374.702
90	249.3	-77.44150333	44.8152	SEPT 14 2021	Clear	26	Outcrop		Metavolcanics			autobreccia	306954.3	4965324.773
91	251.4	-77.4429	44.8162	SEPT 14 2021	Clear	26	Outcrop		Diabase				306846.9	4965431.061
92	260.1	-77.44091333	44.8161	SEPT 14 2021	Clear	26	Outcrop		Marble				307042.1	4965450.237
93	268.1	-77.44090667	44.8164	SEPT 14 2021	Clear	26	Outcrop		Felstite			cliff of volcanics down to felstite down to marble into altered seds	307005.2	4965449.107
94	282.5	-77.44339167	44.8176	SEPT 15 2021	Clear	26	Outcrop		Metavolcanics			marbledized metaseds	306813	4965596.077
95	277.7	-77.44513333	44.8178	SEPT 15 2021	Clear	26	Float		Felstite				306777.6	4965623.172
96	277	-77.44545333	44.818	SEPT 15 2021	Clear	26	Subcrop		Quartz Vein				306651.3	4965644.867
97	278.8	-77.44557833	44.818	SEPT 15 2021	Clear	26	Float		Felstite				306641.2	4965637.389
98	268.5	-77.44747333	44.8175	SEPT 15 2021	Clear	26	Outcrop		Metavolcanics				306489.8	4965588.909
99	247.5	-77.44799167	44.8187	SEPT 15 2021	Clear	26	Outcrop		Metavolcanics				306452.8	4965725.891
100	257.9	-77.44515	44.8181	SEPT 15 2021	Clear	26	Float		Quartz Vein			qtz vein boulders along road	306662.3	4965647.647
101	270.3	-77.44801667	44.818	SEPT 15 2021	Clear	26	Outcrop		Marble			mica Ric marbledized metaseds	306702.7	4965640.318
102	286.9	-77.44474333	44.8182	SEPT 15 2021	Clear	26	Outcrop		Metavolcanics				306707.9	4965588.505
103	286.8	-77.44467667	44.8181	SEPT 15 2021	Clear	26	Outcrop	Fault	Quartz Vein			altered qtz vein	306712.9	4965649.456
104	277.1	-77.44311167	44.8176	SEPT 15 2021	Clear	26	Outcrop		Metavolcanics			in contact with qtz vein	306834.9	4965587.869
105	291.2	-77.44484167	44.8182	SEPT 15 2021	Clear	26	Float		Quartz Vein			Rosey red qtz vein boulders	306700.3	4965665.303
106	280.8	-77.44503667	44.8183	SEPT 15 2021	Clear	26	Outcrop		Marble			marbledized carbonated metaseds	306665.3	4965678.321
107	285	-77.44544	44.8184	SEPT 15 2021	Clear	26	Float		Felstite			qtz and felstite boulders	306653.7	4965689.598
108	280.4	-77.41675833	44.8011	SEPT 16 2021	Clear	26	Subcrop		Metasediment(s)	carbonaceous		mica rich metaseds	308864.1	4963694.314
109	270.8	-77.41613	44.8009	SEPT 16 2021	Clear	26	Outcrop		Marble		yes	sheared and marbledized metaseds	308913.2	4963673.949
110	252	-77.416235	44.801	SEPT 16 2021	Clear	26	Outcrop		Marble		yes	shows metaseds against marble	308898	4963680.627
111	260.4	-77.41598	44.8009	SEPT 16 2021	Clear	26	Outcrop	White	Felstite			finely laminated felstite possible felstite volcanic	308925.1	4963675.048
112	257.5	-77.41591167	44.8009	SEPT 16 2021	Clear	26	Outcrop		Metavolcanics	fine-grained	yes		308930.6	4963677.108
113	262.3	-77.41659667	44.801	SEPT 16 2021	Clear	26	Float		Gabbro				308876.6	4963685.046
114	276.5	-77.416545	44.8011	SEPT 16 2021	Clear	26	Subcrop		Metavolcanics				308881	4963696.034
115	279.4	-77.41678833	44.8013	SEPT 16 2021	Clear	26	Float		Marble			marbledized micaceous metaseds	308862.4	4963718.27
116	278.6	-77.41655333	44.8017	SEPT 16 2021	Clear	26	Outcrop		Metavolcanics				308874.5	4963763.27
117	278.4	-77.416775	44.8016	SEPT 16 2021	Clear	26	Float		Felstite			w late qtz veins	308864.5	4963753.002
118	279.8	-77.41689833	44.8016	SEPT 16 2021	Clear	26	Outcrop		Metavolcanics				308854.8	4963754.402
119	282.6	-77.41835667	44.8021	SEPT 16 2021	Clear	26	Float		Metavolcanics				308844.2	4963840.108
120	291.9	-77.41875	44.8031	SEPT 16 2021	Clear	26	Outcrop		Metavolcanics				308703.4	4963926.237
121	285.3	-77.41895667	44.8041	SEPT 16 2021	Clear	26	Outcrop		Metavolcanics				308700.1	4964031.636
122	281.9	-77.41881167	44.8041	SEPT 16 2021	Clear	26	Float		Felstite			w carbonate stringers	308711.5	4964030.286
123	298.5	-77.41913	44.8042	SEPT 16 2021	Clear	26	Outcrop		Metavolcanics				308687	4964051.592
124	281.9	-77.42002333	44.8048	SEPT 16 2021	Clear	26	Float		Metavolcanics				308618.2	4964114.679
125	258.7	-77.42114333	44.8054	SEPT 16 2021	Clear	26	Float		Felstite				308531.6	4964185.744
126	275.3	-77.42117833	44.8054	SEPT 16 2021	Clear	26	Float		Metavolcanics				308528.9	4964188.594
127	282.6	-77.4221167	44.8061	SEPT 16 2021	Clear	26	Subcrop		Metavolcanics				308449.3	4964282.919
128	282.7	-77.42336667	44.8061	SEPT 16 2021	Clear	26	Outcrop		Metavolcanics				308414.2	4964284.234
129	282.4	-77.42329833	44.8066	SEPT 16 2021	Clear	26	Float		Metasediment(s)			rusty	308365.3	4964327.346
130	283.8	-77.42379333	44.807	SEPT 16 2021	Clear	26	Subcrop		Diabase				308327.5	4964373.056
131	282.9	-77.42699833	44.8066	SEPT 16 2021	Clear	26	Outcrop		Metasediment(s)			sulphides	308072.5	4964331.075
132	273.8	-77.42809333	44.8068	SEPT 16 2021	Clear	26	Outcrop		Metasediment(s)				307986.6	4964355.88
133	282.4	-77.43138167	44.8055	SEPT 16 2021	Clear	26	Outcrop		Metasediment(s)				307722.3	4964221.807

BLACK RIVER ROCK SAMPLES

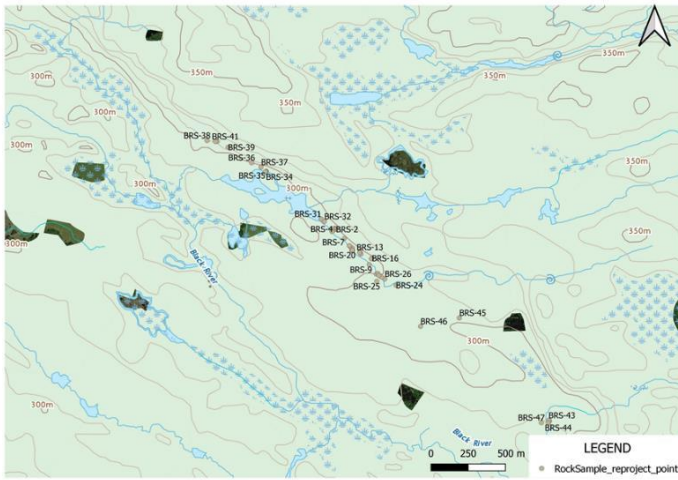
SampleNo	UTM_X	UTM_Y	Elevation	GPS_X	GPS_Y	Date	Weather	SampleType	Colour	Lithology	AlterationType	Photo	Description
BRS-1	307520.3	4965004.468	272.1	-77.43423	44.8125	SEPT 11 2021	Overcast	TrenchHighGrade		Quartz Vein	Silicification	yes	dark qtz w Arseno...upper contact of metaseds and volcanics
BRS-2	307525.3	4964996.539	272.1	-77.43416333	44.81243	SEPT 11 2021	Overcast					yes	qtz vein in metaseds
BRS-3	307510.5	4965000.548	260.2	-77.43435167	44.81246	SEPT 11 2021	Overcast					yes	dark sugary qtz vein adj to metased
BRS-4	307503.5	4964998.859	277	-77.43444	44.81245	SEPT 11 2021	Overcast						altered metaseds w asp
BRS-5	307502.6	4964987.211	271.4	-77.43444667	44.81234	SEPT 11 2021	Overcast					yes	metaseds w qtz veinlets in creek
BRS-6	307497.9	4964983.132	270.8	-77.434505	44.8123	SEPT 11 2021	Overcast						silicified metaseds and qtz vein. Asp and sphal in seds
BRS-7	307580.1	4964934.082	268.6	-77.43344833	44.81188	SEPT 11 2021	Overcast	FloatGrab					asp in metaseds bolder
BRS-8	307631.5	4964867.496	285.2	-77.43277333	44.8113	SEPT 11 2021	Overcast	TrenchHighGrade				yes	altered silicified metaseds w qtz veins parallel to shearing. Late joint structures trending same as nearby dikes
BRS-9	307741.4	4964754.139	259.3	-77.43134167	44.81031	SEPT 12 2021	Overcast	OutcropGrab					possible asp...looks silicified....in swamp
BRS-10	307687.6	4964826.354	256.2	-77.43204833	44.81094	SEPT 12 2021	Overcast	OutcropGrab	RustyOrange	Metasediment(s)		yes	silicified w asp and carb
BRS-11	307679.7	4964839.261	261.2	-77.43215333	44.81106	SEPT 12 2021	Overcast	OutcropGrab		Metasediment(s)	Silicification	yes	altered silicified metaseds w asp and dark quartz
BRS-12	307680.4	4964839.911	256.2	-77.432145	44.81106	SEPT 12 2021	Overcast	FloatGrab		Metasediment(s)	Silicification	yes	altered metaseds w asp
BRS-13	307681.1	4964838.771	264	-77.432135	44.81105	SEPT 12 2021	Overcast	FloatGrab		Metasediment(s)	Silicification	yes	altered metaseds w qtz and asp
BRS-14	307679.2	4964836.502	263.6	-77.43215833	44.81103	SEPT 12 2021	Overcast			Metasediment(s)			metaseds w qtz and asp
BRS-15	307626.8	4964852.639	262.1	-77.43282667	44.81116	SEPT 12 2021	Overcast	OutcropGrab		Metasediment(s)	Silicification	yes	altered metaseds w asp and silicification
BRS-16	307760.2	4964795.82	269.9	-77.43112	44.81069	SEPT 13 2021	Overcast	OutcropGrab	White	Marble			marble w biotite, chlorite, carbonate, sulphide
BRS-17	307756.3	4964793.161	265.2	-77.43116833	44.81066	SEPT 13 2021	Overcast	FloatGrab		Marble			more quartz closer to mineralized zone
BRS-18	307632.2	4964852.349	261.9	-77.43275833	44.81116	SEPT 13 2021	Overcast	OutcropGrab		Metasediment(s)	Silicification	yes	altered metaseds w qtz and asp
BRS-19	307631.6	4964851.039	271.3	-77.432765	44.81115	SEPT 13 2021	Overcast			Metasediment(s)			altered metaseds w asp
BRS-20	307629.9	4964854.428	253	-77.43278833	44.81118	SEPT 13 2021	Overcast	OutcropGrab		Metasediment(s)		yes	altered metaseds w asp and py
BRS-21	307614.9	4964880.113	264.5	-77.43298667	44.81141	SEPT 13 2021	Overcast	FloatGrab					altered metaseds w qtz and asp
BRS-22	307611.8	4964884.992	266.9	-77.43302833	44.81145	SEPT 13 2021	Overcast	FloatGrab		Metasediment(s)		yes	fractures with ulphides cutting qtz veins
BRS-23	307812.6	4964675.735	278.3	-77.43041167	44.80962	SEPT 13 2021	Overcast	FloatGrab		Metasediment(s)			altered metaseds w qtz and asp
BRS-24	307916.3	4964610.378	268.7	-77.42907667	44.80906	SEPT 13 2021	Overcast	OutcropGrab		Metasediment(s)			altered metaseds with asp
BRS-25	307787.8	4964641.462	269.1	-77.43071333	44.80931	SEPT 13 2021	Overcast	OutcropGrab		Metasediment(s)		yes	minor silicification and sulphide
BRS-26	307841.8	4964655.179	260.5	-77.430035	44.80945	SEPT 13 2021	Overcast	OutcropGrab		Metasediment(s)			altered metaseds with asp and silicification
BRS-27	307821.5	4964668.016	269.3	-77.43029667	44.80956	SEPT 13 2021	Overcast			Metasediment(s)			metaseds with asp
BRS-28	307786.5	4964689.632	267.2	-77.43074667	44.80974	SEPT 13 2021	Overcast	FloatGrab		Metasediment(s)			altered metaseds w asp
BRS-29	307796.7	4964693.441	270.6	-77.43062	44.80978	SEPT 13 2021	Overcast			Metasediment(s)			altered metaseds w qtz and asp
BRS-30	307802.9	4964680.584	267	-77.43053667	44.80966	SEPT 13 2021	Overcast	FloatGrab		Metasediment(s)			altered metaseds w asp and silicification and multiple veins
BRS-31	307428.4	4965068.935	257.7	-77.435415	44.81306	SEPT 14 2021	Overcast	FloatGrab		Metasediment(s)			along beaver trail...sulphide but no qtz
BRS-32	307448.9	4965051.308	268.4	-77.43515	44.8129	SEPT 14 2021	Overcast	OutcropGrab		Metasediment(s)		yes	altered metaseds with asp...also chloritized with late crosscutting ulphides veinlets
BRS-33	307069.3	4965399.137	254	-77.44007833	44.81593	SEPT 14 2021	Overcast	FloatGrab		Metasediment(s)		yes	altered metaseds w qtz and asp
BRS-34	307067.8	4965394.408	264.1	-77.440095	44.81589	SEPT 14 2021	Overcast	FloatGrab		Metasediment(s)			altered metaseds w qtz and asp and pyrite
BRS-35	307063.3	4965395.438	260.7	-77.44015333	44.81589	SEPT 14 2021	Overcast	FloatGrab		Metasediment(s)			very micaceous metaseds w disseminate asp
BRS-36	306973.4	4965458.625	274.4	-77.44131333	44.81644	SEPT 14 2021	Overcast	FloatGrab		Metasediment(s)			altered metaseds w asp
BRS-37	307035.6	4965426.832	274.4	-77.440515	44.81617	SEPT 14 2021	Overcast	FloatGrab		Metasediment(s)			altered metaseds w asp
BRS-38	306679	4965615.463	275.5	-77.44509167	44.81777	SEPT 15 2021	Overcast	OutcropGrab		Quartz Vein		yes	reddened qtz possibly cpy...possible east west vein
BRS-39	306818	4965566.143	254.3	-77.44331667	44.81736	SEPT 15 2021	Overcast	FloatGrab		Marble		yes	marbilized metaseds with sulphide
BRS-40	306747	4965608.075	279.5	-77.44423	44.81772	SEPT 15 2021	Overcast	FloatGrab		Marble			marbilized metaseds
BRS-41	306734.1	4965607.575	269.8	-77.44439333	44.81771	SEPT 15 2021	Overcast	FloatGrab		Marble			marbilized metaseds w sulphides
BRS-42	308918.7	4963673.339	273.6	-77.41606	44.8009	SEPT 16 2021	Overcast	OutcropGrab		Marble			marbilized metaseds w qtz and carbonate stringers with sulphide
BRS-43	308912.3	4963677.088	257.2	-77.41614167	44.80094	SEPT 16 2021	Overcast	SubCropGrab		Marble		yes	marbilized metaseds with carbonate and veins of sulphides
BRS-44	308909.5	4963661.941	254.2	-77.41617167	44.8008	SEPT 16 2021	Overcast	FloatGrab				yes	quartz sealed breccia loaded with upto 15 percent ulphides... possibly a brecciated and sealed marbleized metased
BRS-45	308334.6	4964380.075	279.3	-77.423705	44.8071	SEPT 16 2021	Overcast	FloatGrab		Diabase		yes	possible pent-pyrrothite in late seams
BRS-46	308072.5	4964331.075	282.9	-77.42699833	44.80659	SEPT 16 2021	Overcast	OutcropGrab		Metasediment(s)			w silvery pyrite
BRS-47	308863.6	4963663.531	269.1	-77.41675333	44.8008	SEPT 16 2021	Overcast	FloatGrab		Metasediment(s)			
BRN-1	303976	4967093.802	269	-77.47981833	44.83033	SEPT 16 2021	Overcast	FloatGrab		Metasediment(s)			w asp
BRN-2	303976.7	4967097.112	271.1	-77.47981	44.83036	SEPT 16 2021	Overcast	FloatGrab		Metasediment(s)			w asp and qtz
BRN-3	303957.9	4967130.035	271.6	-77.48006	44.83065	SEPT 16 2021	Overcast	FloatGrab		Metasediment(s)			w asp and qtz
BRN-4	303960	4967128.195	274.5	-77.48003333	44.83063	SEPT 16 2021	Overcast	FloatGrab		Metasediment(s)			w asp and qtz
BRN-5	303953.6	4967137.064	280.5	-77.48011833	44.83071	SEPT 16 2021	Overcast			Metasediment(s)			w asp and qtz
BRN-6	303949.3	4967150.871	277.2	-77.48017667	44.83083	SEPT 16 2021	Overcast	FloatGrab		Metasediment(s)			w asp and qtz

BLACK RIVER STRUCTURAL OBSERVATIONS

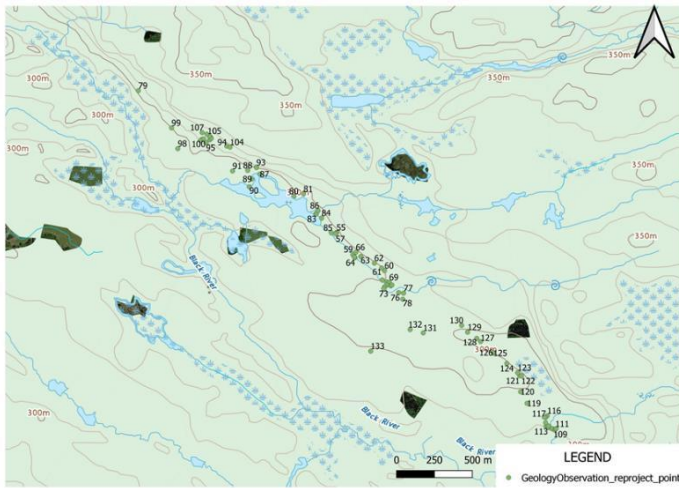
KeyID	GPSX	GPSY	Elevation	Structure	Strike	Dip	Photo	Comment	UTM_EAST	UTM_NORTH
9	-77.4342	44.81251	272.1	Shear	140	70			307520.7034	4965005.567
10	-77.4306	44.8097	277.4	Schistosity	104	45			307799.9819	4964684.783
11	-77.4328	44.81116333	262.1	Schistosity	104	72			307626.7779	4964852.639
12	-77.4328	44.81117667	260.2	Veinlet<1cm	120	85		in line with Heron Pond creek. This was originally called Heron Pond zone by Dillman (NOT CHARD)	307627.6107	4964854.168
13	-77.4329	44.81117667	256.7	Contact	90	0	yes	contact between diabase dike and metaseds	307619.068	4964854.418
14	-77.4329	44.81119333	259	Unknown1	45	80	yes	joints in diabase	307619.1258	4964856.198
15	-77.4329	44.81123	263.6	Schistosity	100	75		dip to sw	307623.595	4964860.177
16	-77.4331	44.81142	262.2	Foliation	110	75	yes	metaseds	307607.6228	4964881.783
17	-77.4328	44.81128333	261.9	Foliation	120	66		joints 62 degrees and vertical	307630.4885	4964865.856
18	-77.4311	44.81069167	265.9	Foliation	320	10	yes		307760.0307	4964796.27
19	-77.4322	44.811105	261.3	Foliation	100	90			307675.214	4964844.73
20	-77.4303	44.809665	278	Foliation	82	56	yes	porphyritic basalt	307821.7756	4964680.244
21	-77.4301	44.80946333	271.8	Contact	115	48		felsite-metased contact	307837.5499	4964657.318
22	-77.4299	44.80941	269.9	Foliation	108	56		dip sw	307849.0034	4964651.08
23	-77.4508	44.82090333	264.6	Schistosity	114	50		in carbonated unit... dipping s	306240.8246	4965977.22
24	-77.4416	44.816195	258.4	Foliation	107	70			306947.881	4965432.481
25	-77.4163	44.8008	279.9	Foliation	100	90			308903.2016	4963662.361
26	-77.4191	44.80423167	291.9	Foliation	320	60			308688.7519	4964050.312
27	-77.427	44.80658667	277.8	Foliation	130	70			308072.5895	4964330.525

BLACK RIVER CULTURAL OBSERVATIONS

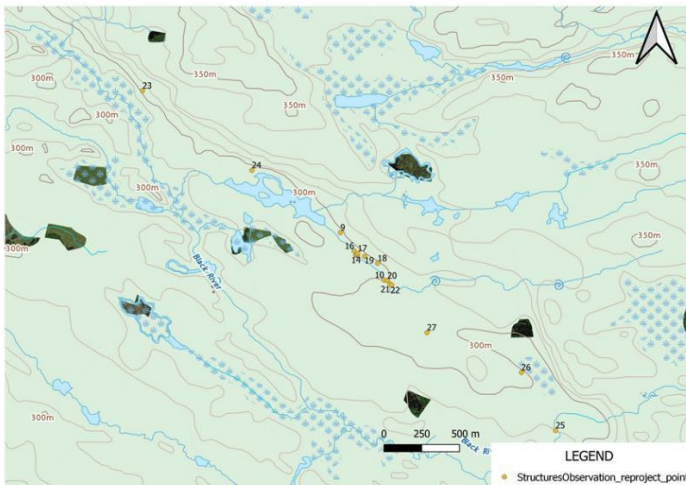
KEY_ID	Culture	Comment	Photo	GPSX	GPSY	GPSZ	Date	UTM_EAST	UTM_NORTH
11	Trench	black river south trench...5oz Ag	yes	-77.43426667	44.81251	261.7	SEPT 11 2021	307517.3968	4965006.007
12		atv parking		-77.42501667	44.80932	283.3	SEPT 12 2021	308238.2155	4964628.884
13	Shaft	possible historic shaft	yes	-77.4308	44.80955	298	SEPT 12 2021	307781.6926	4964668.646
14	Bridge			-77.43051	44.80973	277	SEPT 12 2021	307805.2015	4964687.412
15	ATVTrail	atv parking		-77.43859	44.81543	261.1	SEPT 14 2021	307185.2954	4965340.289
16	Trench	old pit		-77.44500833	44.81776	275.9	SEPT 15 2021	306685.622	4965614.154
17		truck parking		-77.41617833	44.79968	262.7	SEPT 16 2021	308905.3373	4963537.426



BLACK RIVER SOUTH: ROCK SAMPLE LOCATIONS



BLACK RIVER SOUTH: GEOLOGY OBSERVATION LOCATIONS



BLACK RIVER SOUTH: STRUCTURAL OBSERVATION LOCATIONS



SAMPLE BRS-1



SAMPLE BRS-2



SAMPLE BRS-3



SAMPLE BRS-5



SAMPLE BRS-8



SAMPLE BRS-10



SAMPLE BRS-11



SAMPLE BRS-12



SAMPLE BRS-13



SAMPLE BRS-15



SAMPLE BRS-18



SAMPLE BRS-19



SAMPLE BRS-22



SAMPLE BRS-25



SAMPLE BRS-32



SAMPLE BRS-33



SAMPLE BRS-38



SAMPLE BRS-39



SAMPLE BRS-43



SAMPLE BRS-44



SAMPLE BRS-45



GEOLOGY OBSERVATION 58:
qtz veins in metaseds contorted
cutting schistosity



GEOLOGY OBSERVATION 59: altered metaseds with fine quartz veins and sulphide veinlets along foliation



GEOLOGY OBSERVATION 62: Carbonate, micas, chlorite, sulphides



GEOLOGY OBSERVATION 64: auto breccia cut by qtz and carb veinlets



GEOLOGY OBSERVATION 76: altered metaseds w asp
and some fine laminations of asp



GEOLOGY OBSERVATION 77: spherulites and tourmaline in metavolcanics



GEOLOGY OBSERVATION 109: sheared and marbled metaseds



GEOLOGY OBSERVATION 110: shows metasediments against marble



GEOLOGY OBSERVATION 111: finely laminated felsite possible felsic volcanic



GEOLOGY OBSERVATION 112: fine grained metavolcanics



STRUCTURAL OBSERVATION 13: contact between diabase dike and metasediments



STRUCTURAL OBSERVATION 14: Joints in diabase



STRUCTURAL OBSERVATION 16: Fabric in metasediments



STRUCTURAL OBSERVATION 18: foliation in metasediments



STRUCTURAL OBSERVATION 20: foliation in porphyritic basalt



CULTURAL OBSERVATION 11: Black River south trench



CULTURAL OBSERVATION 13: possible historic shaft

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

ATTENTION TO: ROBERT DILLMAN
PROJECT:

AGAT WORK ORDER: 21T810736
SOLID ANALYSIS REVIEWED BY: Jing Xiao, Data Reviewer
DATE REPORTED: Jan 14, 2022
PAGES (INCLUDING COVER): 10

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

Notes

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 90 days following analysis, unless expressly agreed otherwise in writing. Please contact your Client Project Manager if you require additional sample storage time.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.
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- The test results reported herewith relate only to the samples as received by the laboratory.
- Measurement Uncertainty is not taken into consideration when stating conformity with a specified requirement.
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- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 21T810736

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

(200-) Sample Login Weight

DATE SAMPLED: Oct 03, 2021

DATE RECEIVED: Sep 30, 2021

DATE REPORTED: Jan 14, 2022

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
BRS-1 (3049751)		3.38
BRS-2 (3049752)		0.77
BRS-3 (3049753)		2.05
BRS-4 (3049754)		2.79
BRS-5 (3049755)		3.00
BRS-6 (3049756)		2.99
BRS-7 (3049757)		3.20
BRS-8 (3049758)		1.50
BRS-9 (3049759)		2.44
BRS-10 (3049760)		3.13
BRS-11 (3049761)		4.49
BRS-12 (3049762)		3.01
BRS-13 (3049763)		1.63
BRS-14 (3049764)		3.73
BRS-15 (3049765)		3.19
BRS-16 (3049766)		2.28
BRS-17 (3049767)		2.52
BRS-18 (3049768)		2.04
BRS-19 (3049769)		2.77
BRS-20 (3049770)		1.26
BRS-21 (3049771)		3.90
BRS-22 (3049772)		2.92
BRS-23 (3049773)		3.06
BRS-24 (3049774)		2.30
BRS-25 (3049775)		1.94
BRS-26 (3049776)		2.39
BRS-27 (3049777)		1.82
BRS-28 (3049778)		1.41
BRS-29 (3049779)		1.79
BRS-30 (3049780)		3.04
BRS-31 (3049781)		2.47

Certified By: _____



Certificate of Analysis

AGAT WORK ORDER: 21T810736
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

(200-) Sample Login Weight

DATE SAMPLED: Oct 03, 2021 DATE RECEIVED: Sep 30, 2021 DATE REPORTED: Jan 14, 2022 SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
BRS-32 (3049782)		3.79
BRS-33 (3049783)		3.82
BRS-34 (3049784)		2.60
BRS-35 (3049785)		2.12
BRS-36 (3049786)		2.20
BRS-37 (3049787)		4.00
BRS-38 (3049788)		1.51
BRS-39 (3049789)		2.30
BRS-40 (3049790)		2.42
BRS-41 (3049791)		2.23
BRS-42 (3049792)		1.59
BRS-43 (3049793)		3.26
BRS-44 (3049794)		3.22
BRS-45 (3049795)		2.02
BRS-46 (3049796)		1.62
BRS-47 (3049797)		1.32

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: 21T810736
PROJECT:

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

ATTENTION TO: ROBERT DILLMAN

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

DATE SAMPLED: Oct 03, 2021 DATE RECEIVED: Sep 30, 2021 DATE REPORTED: Jan 14, 2022 SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Au
	Unit:	ppm
	RDL:	0.001
BRS-1 (3049751)		2.88
BRS-2 (3049752)		1.17
BRS-3 (3049753)		2.44
BRS-4 (3049754)		0.144
BRS-5 (3049755)		1.54
BRS-6 (3049756)		0.478
BRS-7 (3049757)		0.016
BRS-8 (3049758)		3.21
BRS-9 (3049759)		0.022
BRS-10 (3049760)		1.43
BRS-11 (3049761)		0.939
BRS-12 (3049762)		1.304
BRS-13 (3049763)		1.284
BRS-14 (3049764)		1.053
BRS-15 (3049765)		1.171
BRS-16 (3049766)		0.005
BRS-17 (3049767)		0.001
BRS-18 (3049768)		2.135
BRS-19 (3049769)		0.812
BRS-20 (3049770)		0.780
BRS-21 (3049771)		1.08
BRS-22 (3049772)		1.56
BRS-23 (3049773)		1.62
BRS-24 (3049774)		0.012
BRS-25 (3049775)		0.008
BRS-26 (3049776)		0.092
BRS-27 (3049777)		0.144
BRS-28 (3049778)		0.079
BRS-29 (3049779)		1.46
BRS-30 (3049780)		0.789
BRS-31 (3049781)		0.265
BRS-32 (3049782)		0.057

Certified By: _____



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 21T810736

PROJECT:

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MISSISSAUGA, ONTARIO
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CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN

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

DATE SAMPLED: Oct 03, 2021 DATE RECEIVED: Sep 30, 2021 DATE REPORTED: Jan 14, 2022 SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Au
	Unit:	ppm
	RDL:	0.001
BRS-33 (3049783)		0.012
BRS-34 (3049784)		0.018
BRS-35 (3049785)		0.380
BRS-36 (3049786)		1.13
BRS-37 (3049787)		0.015
BRS-38 (3049788)		0.006
BRS-39 (3049789)		0.009
BRS-40 (3049790)		0.008
BRS-41 (3049791)		0.007
BRS-42 (3049792)		0.004
BRS-43 (3049793)		0.003
BRS-44 (3049794)		0.005
BRS-45 (3049795)		0.004
BRS-46 (3049796)		0.004
BRS-47 (3049797)		0.275

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:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 21T810736
PROJECT:

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MISSISSAUGA, ONTARIO
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CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN

Sieving - % Passing (Crushing)

DATE SAMPLED: Oct 03, 2021	DATE RECEIVED: Sep 30, 2021	DATE REPORTED: Jan 14, 2022	SAMPLE TYPE: Rock
Analyte: Crush-Pass	Unit: %	RDL: 0.01	
Sample ID (AGAT ID)			
BRS-1 (3049751)		77.05	
BRS-11 (3049761)		75.78	
BRS-21 (3049771)		76.12	
BRS-31 (3049781)		76.76	
BRS-41 (3049791)		76.48	

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:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 21T810736

PROJECT:

5623 McADAM ROAD
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CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN

Sieving - % Passing (Pulverizing)			
DATE SAMPLED: Oct 03, 2021	DATE RECEIVED: Sep 30, 2021	DATE REPORTED: Jan 14, 2022	SAMPLE TYPE: Rock
	Analyte: Pul-Pass %		
	Unit: %		
Sample ID (AGAT ID)	RDL: 0.01		
BRS-1 (3049751)	89.44		
BRS-19 (3049769)	87.94		

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:



AGAT Laboratories

Quality Assurance - Replicate
 AGAT WORK ORDER: 21T810736
 PROJECT:

5623 McADAM ROAD
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CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN

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

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	3049751	2.88	3.53	20.3%	3049765	1.171	0.804	37.2%	3049775	0.008	0.009	11.8%	3049790	0.0083	0.0102	20.5%



AGAT Laboratories

Quality Assurance - Certified Reference materials
 AGAT WORK ORDER: 21T810736
 PROJECT:

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CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN

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

Parameter	CRM #1 (ref.GS5X)				CRM #2 (ref.GS5X)									
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits						
Au	5.04	4.67	93%	90% - 110%	5.04	5.33	106%	90% - 110%						



5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
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Method Summary

CLIENT NAME: ROBERT DILLMAN

AGAT WORK ORDER: 21T810736

PROJECT:

ATTENTION TO: ROBERT DILLMAN

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

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: 21T837088

SOLID ANALYSIS REVIEWED BY: Meredith White, Senior Technician

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:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 90 days following analysis, unless expressly agreed otherwise in writing. Please contact your Client Project Manager if you require additional sample storage time.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in these services.
- This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
- The test results reported herewith relate only to the samples as received by the laboratory.
- Measurement Uncertainty is not taken into consideration when stating conformity with a specified requirement.
- Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines contained in this document.
- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 21T837088

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
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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	
	Analyte:	Sample Login Weight	Unit:	kg	RDL:	0.01	
Sample ID (AGAT ID)							
BRS-48 (3269729)						0.68	
BRS-49 (3269730)						1.84	

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:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 21T837088
PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
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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)

DATE SAMPLED: Nov 29, 2021	DATE RECEIVED: Nov 15, 2021	DATE REPORTED: Jan 26, 2022	SAMPLE TYPE: Rock
Analyte: Au	Unit: ppm	RDL: 0.001	
Sample ID (AGAT ID)			
BRS-48 (3269729)		0.003	
BRS-49 (3269730)		0.001	

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: M. White



Certificate of Analysis

AGAT WORK ORDER: 21T837088

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
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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: %	RDL: 0.01	
Sample ID (AGAT ID)			
BRS-48 (3269729)		77.44	

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:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 21T837088
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

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Nov 29, 2021	DATE RECEIVED: Nov 15, 2021	DATE REPORTED: Jan 26, 2022	SAMPLE TYPE: Rock						
<table> <tr> <td>Analyte:</td> <td>Pul-Pass %</td> </tr> <tr> <td>Unit:</td> <td>%</td> </tr> <tr> <td>RDL:</td> <td>0.01</td> </tr> </table>				Analyte:	Pul-Pass %	Unit:	%	RDL:	0.01
Analyte:	Pul-Pass %								
Unit:	%								
RDL:	0.01								
Sample ID (AGAT ID)	RDL: 0.01								
BRS-48 (3269729)	88.03								

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:



AGAT Laboratories

Quality Assurance - Replicate
 AGAT WORK ORDER: 21T837088
 PROJECT:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
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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	Sample ID	REPLICATE #1			RPD										
		Original	Replicate	RPD											
Au	3269729	0.003	< 0.001	66.7%											



AGAT Laboratories

Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T837088

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)

CRM #1 (ref.GS5X)														
Parameter	Expect	Actual	Recovery	Limits										
Au	5.04	5.14	102%	90% - 110%										



Method Summary

CLIENT NAME: ROBERT DILLMAN

AGAT WORK ORDER: 21T837088

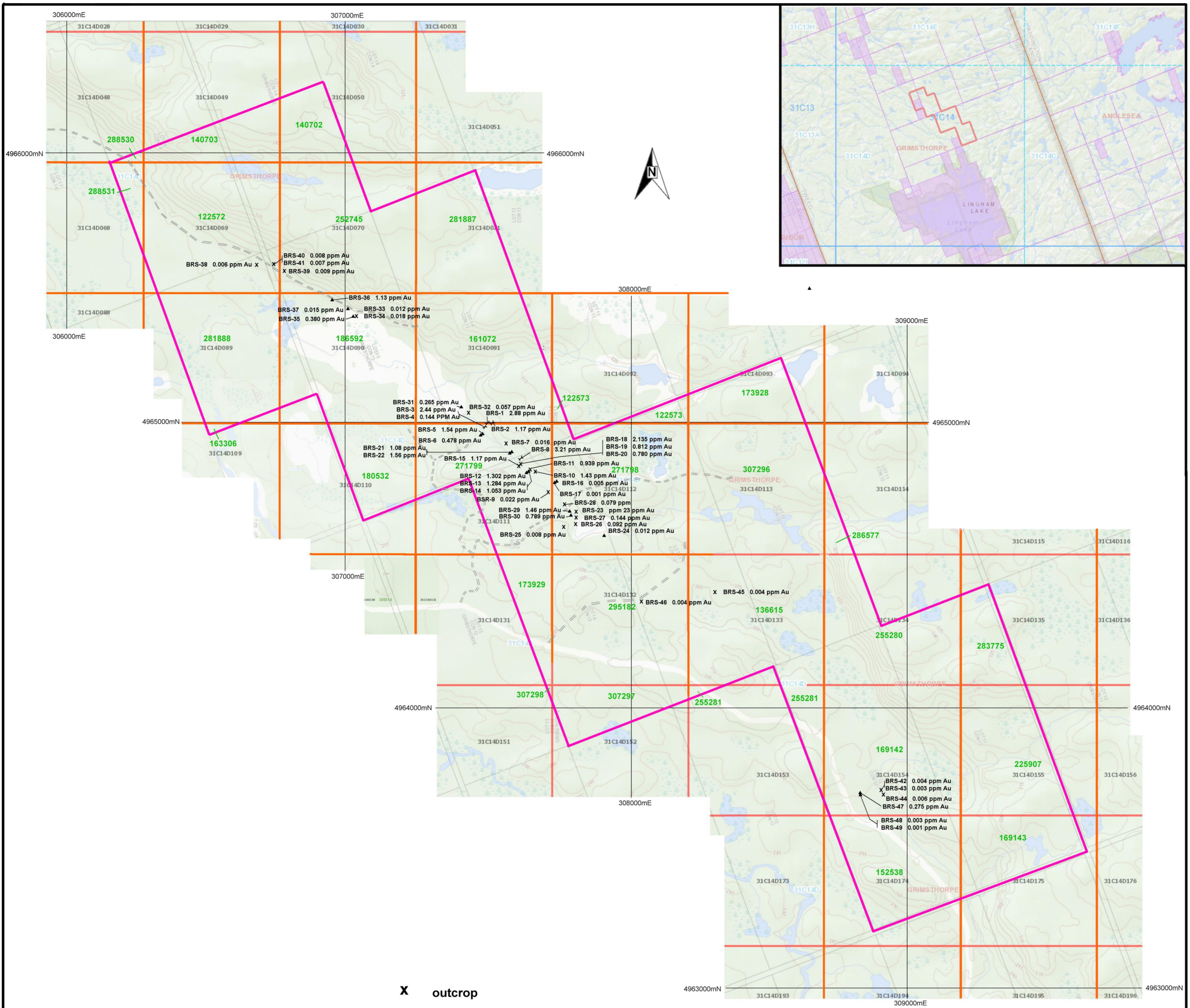
PROJECT:

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

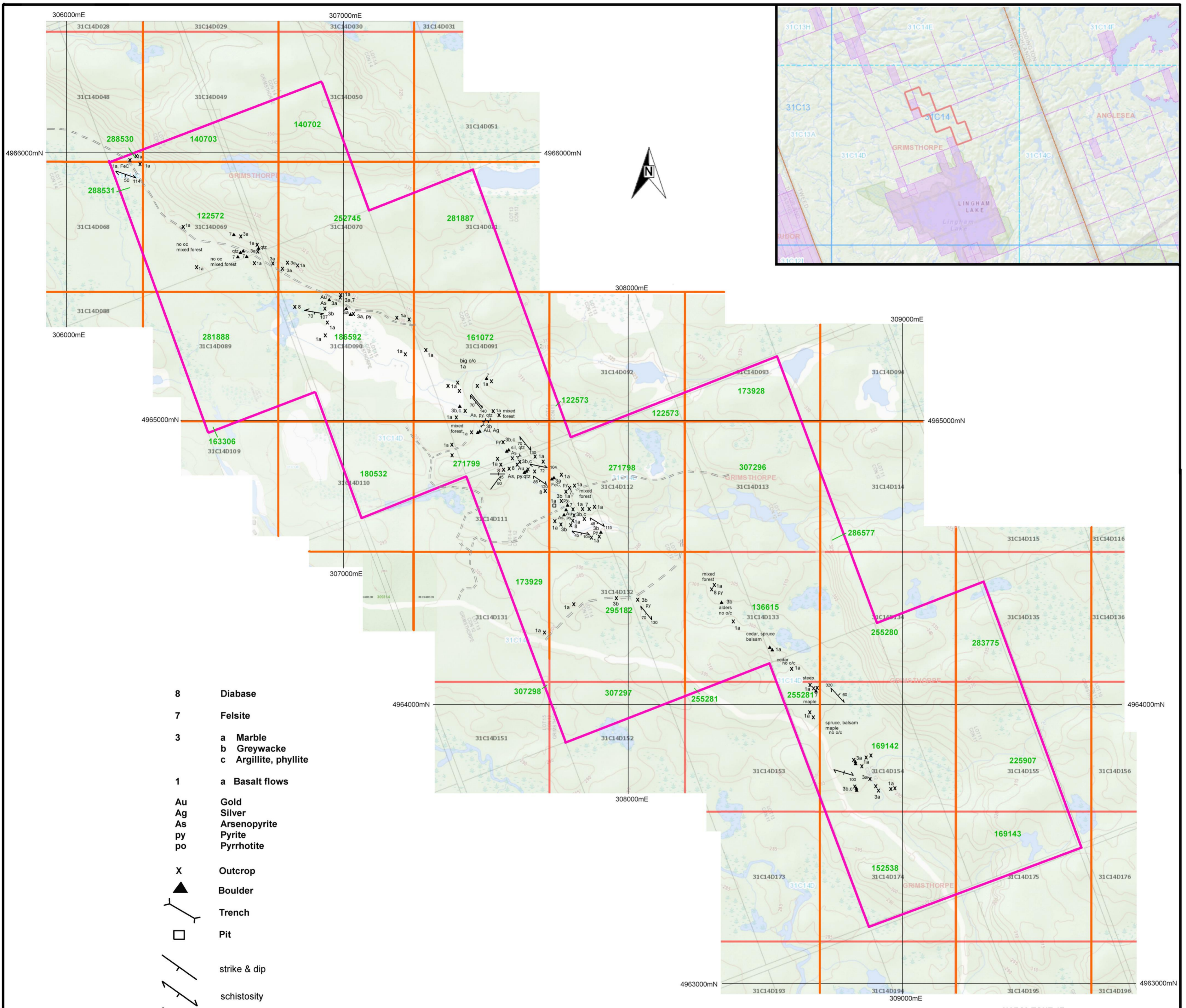


- x** outcrop
- trench
- ▲** boulder



NAD83 ZONE 17

ROCK SAMPLE LOCATIONS AND ASSAY RESULTS	
BLACK RIVER SOUTH PROPERTY GRIMSTHORPE TOWNSHIP, ONTARIO	
Survey By: JR, RJD	Map By: RJD JANUARY 2022
Survey Date: SEPTEMBER 2021	Scale: 1 : 10,000



- 8 Diabase
- 7 Felsite
- 3 a Marble
b Greywacke
c Argillite, phyllite
- 1 a Basalt flows
- Au Gold
- Ag Silver
- As Arsenopyrite
- py Pyrite
- po Pyrrhotite
- X Outcrop
- ▲ Boulder
- ┌ Trench
- Pit
- ┌ strike & dip
- ┌ schistosity
- ┌ shearing
- ┌ jointing

0 500meters

NAD83 ZONE 17

GEOLOGY MAP	
BLACK RIVER SOUTH PROPERTY GRIMSTHORPE TOWNSHIP, ONTARIO	
Survey By: JR, RJD	Map By: RJD JANUARY 2022
Survey Date: SEPTEMBER 2021	Scale: 1 : 10,000

Expenses: J. Renaud, R. Dillman

Black River South Property: September 09 – September 17, 2021 + January 28, 2022 report

Food		Charge	HST	Prorated	Total
September 09, 2021	Komoka Foodland, Komoka	298.65	34.36	264.29	
September 10, 2021	BJ's Country Market, Delaware	49.50	5.70	43.80	
September 17, 2021	McDonalds, Madoc	19.39	2.23	17.16	325.25
Gas					
September 09, 2021	Little Beaver Delaware	136.07	15.65	120.42	
September 10, 2021	Little Beaver Delaware	18.20	2.09	16.11	
September 15, 2021	Trudy's Place, Gilmour	150.01	17.26	132.75	269.28
Truck		km	rate		
September 11 & 17, 2021	Delaware to Bear Ridge Campground and return	908 km	@ 0.45/ km	408.62	
September 11 – 16, 2021	Bear Ridge Campground to Property & return 6 days	668 km	@ 0.45/ km	300.58	709.20
Accommodations					
September 11 – 17, 2021	Bear Ridge Campground, Coe Hill	706.25	81.25	625.00	625.00
Work					
September 11 – 16, 2021	Prospecting 2 men 6 days \$350/ man	4200	546	4200.00	
September 17, 2021	Travel 2 men 1 day \$350/ man	700	130	700.00	4900.00
Report					
January 21 – January 28, 2022	4 days \$500/ day Jan 28/ 22 Report	2000	0	2000	2000.00
Assays					
January 18, 2022	47 Assays @ \$29.14 assay + HST	1547.54	178.04	1369.50	
January 26, 2021	2 Assays @ \$32.50/ assay + HST	109.61	12.61	97.00	1466.50
Sample Shipment					
September 30, 2021	Delaware to AGAT Lab and return	371 km	@ 0.45/ km	166.50	166.50

Expenses for Traverses: September 11 to 17, 2021

6 days Prospecting	2 men x \$350 / day	4200.00
1 day travel	2 men x \$350 / day	700.00
4 days Report	\$500 / day	2000.00
47 Assays	47 x \$29.14	1369.50
2 Assays	2 x \$48.5	97.00
Truck	\$1576 x \$0.45	709.20
Food	\$325.25	325.25
Accommodations	625.00	625.00
Sample Shipment	371 km	<u>166.50</u>
		\$10,192.45