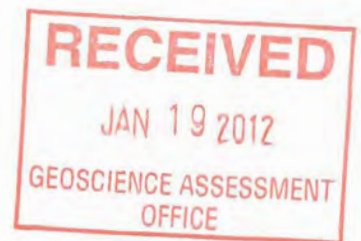


Prospecting Report
Alice A and Pigeon Claims

Mine Centre, Ontario

for

Pathfinder Gold Inc.



2.50545

Mapping by: Jack A. Bolen BSc, PGeo.

Assisted by: Bill Bone

Report by: Jack A. Bolen BSc, PGeo

And : Allen J. Raoul, BSc., PGeo

November 30, 2011

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SUMMARY

The Turtle Tank Gold property consists of four separate gold-bearing zones. These zones are located on 14 optioned claims by Pathfinder Gold Inc. and are located 75km east of Fort Frances, along Highway 11

Historically, there are four gold-bearing zones and one base-metal zone:

1. The Turtle Tank "A" Zone yielded 5.06 gpt Au over 3.5m chip sample in pyritized silicified zones overprinting the strongly iron carbonate altered mafic volcanics by INCO. A trench blasted by the prospectors yielded a sample of 531 gpt Au over 20cm (or 17.07 opt over 8 inches).

2. The Turtle Tank "B" Zone yielded 13.2 gpt Au over 2.5m chip sample in strong iron carbonate altered mafic volcanics by INCO.

3. Pidgeon Pb-Zn-Cu-Ag consists of 2 exposed lenses with sphalerite-galena mineralization with some ankerite in silicified rhyolite. Best assay was 0.53% Zn and 1.76% Pb over 3 meters.

4. Gold Bug located quartz stringers with galena-chalcopyrite-pyrite-gold in foliated felsic rocks.

5. Alice A consists of 60cm-90cm stringer-rich zones of folded quartz with ankerite sphalerite, galena, chalcopyrite, pyrite in altered rhyolite. Historical assay yielded 17 gpt Au from 10-ton test (1899).

The focus of this report will be on the Alice "A" Zone and the Pigeon Zone from the standpoint of structural setting. Both zones have narrow quartz veining with gold with the Pigeon Zone containing appreciable base metal mineralization.

This bulk of this report was written by Jack Bolen, PGeo, of Fort Frances. Due to contract completion by Mr. Bolen and assay delays, this author (Allen Raoul, PGeo of Fort Frances) completed the report.

Claims and Location

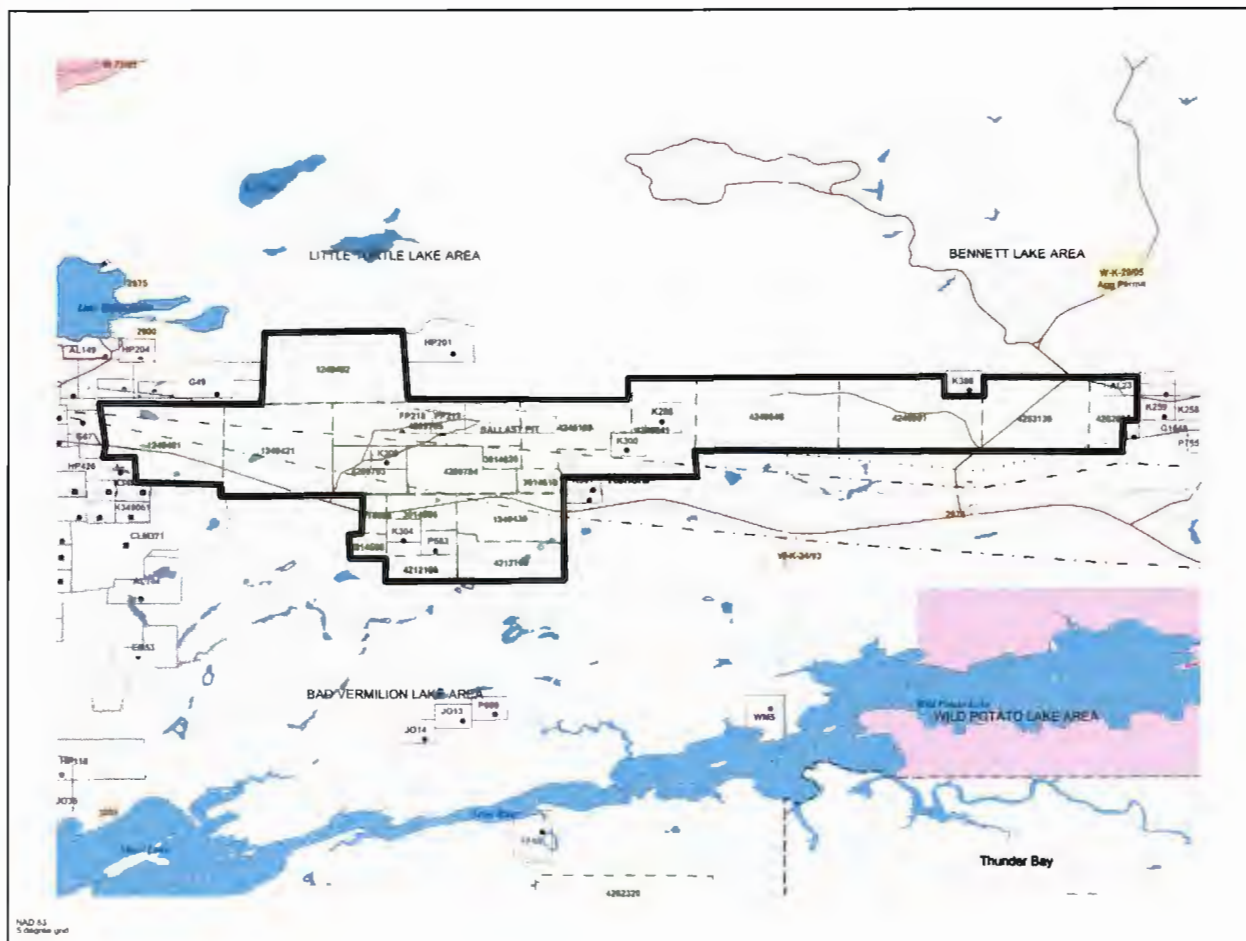
The property has been optioned from Ray Cousineau of Fort Frances, Ontario. The property consists of 20 claims consisting of 110, 16 hectare claim units. The claims are located on the Bad Vermilion Lake, Little Turtle Lake and Bennett Lake Claim Maps. The property is located approximately 75km east of Ft. Frances on Highway 11. Highway 11 bisects the property starting 2km, east of Mine Centre, Ontario. The Manion Lake Road approximately 10km, east of Mine Centre, provides access to the Alice A Property.

Table 1: Claims of Turtle Tank Property

KENORA Mining Division - 121646 - COUSINEAU, RAY							
township/Area	Claim Number	Recording Date	Claim Due Date	Work Required	Total Applied	Total Reserve	Claim Bank
BAD VERMILION LAKE	1249430	2002-Jan-17	2013-Jan-17	\$2,800	\$25,200	\$0	\$0
BAD VERMILION LAKE	3014606	2003-Dec-18	2013-Dec-18	\$1,200	\$9,600	\$0	\$0
BAD VERMILION LAKE	3014608	2003-May-02	2013-May-02	\$400	\$3,200	\$0	\$0
BAD VERMILION LAKE	3014609	2003-May-02	2013-May-02	\$800	\$6,400	\$0	\$0
BAD VERMILION LAKE	4212108	2006-Jul-17	2013-Jul-17	\$800	\$4,000	\$0	\$0
BAD VERMILION LAKE	4212109	2006-Jul-17	2013-Jul-17	\$2,400	\$12,000	\$0	\$0
BENNETT	4262091	2011-Aug-09	2013-Aug-09	\$1,600	\$0	\$0	\$0
BENNETT LAKE AREA	4246648	2011-Apr-04	2013-Apr-04	\$4,800	\$0	\$0	\$0
BENNETT LAKE AREA	4246901	2011-Apr-04	2013-Apr-04	\$4,800	\$0	\$0	\$0
BENNETT LAKE AREA	4253130	2011-Apr-04	2013-Apr-04	\$3,600	\$0	\$0	\$0
LITTLE TURTLE LAKE	1249401	2002-Jan-17	2013-Jan-17	\$4,800	\$43,200	\$2,020	\$0
LITTLE TURTLE LAKE	1249402	2002-Jan-17	2013-Jan-17	\$4,800	\$43,200	\$0	\$0
LITTLE TURTLE LAKE	1249421	2002-Jan-17	2013-Jan-17	\$4,800	\$43,200	\$0	\$0
LITTLE TURTLE LAKE	3014610	2003-May-02	2013-May-02	\$800	\$6,400	\$0	\$0
LITTLE TURTLE LAKE	3014620	2005-Dec-19	2013-Dec-19	\$400	\$2,400	\$0	\$0
LITTLE TURTLE LAKE	4209703	2006-Feb-07	2013-Feb-07	\$1,200	\$6,000	\$0	\$0
LITTLE TURTLE LAKE	4209704	2006-Feb-07	2013-Feb-07	\$2,000	\$10,000	\$10,391	\$0

LITTLE TURTLE LAKE	4209705	2006-Feb-07	2013-Feb-07	\$4,000	\$20,000	\$0	\$0
LITTLE TURTLE LAKE	4245199	2010-Mar-05	2014-Mar-05	\$2,800	\$5,600	\$0	\$0
LITTLE TURTLE LAKE	4246641	2011-Apr-04	2013-Apr-04	\$3,200	\$0	\$0	\$0

Figure 1: Claim Map of Turtle Tank Property



Historical Work

The following work has been carried out on the Turtle tank property:

MDC 29

American Can Gold Mining Co 1894-99

Sunk shafts and processed ore

Alice A – Shaft 1 was sunk to 29m, and Shaft 2 was sunk to 21m.

150-200 tons were processed using the on-site mill.

A 10-ton sample in 1899 yielded 17 gpt Au.

MDC 29

L. Hedburg 1917

Trenching and drilling Turtle Tank – no data located in Kenora MNDMF

MDC 29 / KAF 52C15SE C-1

Kerr Addison Mines, 1969

6 ddh holes (204.8m)

Pidgeon drill results:

Hole 1 – 0.53% Zn & 1.76% Pb over 3m

Hole 1 - 1.08% Zn over 1.5m,

Hole 2 – 5.61% Zn & 0.32 opt Ag over 0.15m

Hole 2 - 2.10% Zn, 0.18% Pb & 0.16 opt Ag over 0.6m

Hole 4 – 0.50% Zn & 0.12 opt Ag over 0.6m

Hole 6 – 0.87% Zn & 0.36 opt Ag over 2.4m

Hole 6 - 1.00% Zn over 3.15m. .

Blondeau / Northgate Exploration Ltd 1970

Geology, Geophysics, Geochemistry,

Trench and 4 drill holes

Turtle Tank - Report and map (1":400') with outcrops around the B-Zone. Trench 12 has chalcopyrite-pyrite in quartz veins plus assays > 1 opt Au.

A 55m wide area was stripped revealing rhyolite dikes with quartz-carbonate stringers with chalcopyrite (traced over 900m) and trace-minor sphalerite-galena.

Drilled 4 holes on western boundary of mafic volcanic with rhyolite for pyrite-chalcopyrite mineralization producing no significant assays.

MDC 29

R. Pitkanen 1974 Stripping and trenching

Alice A – no data located in Kenora MNDMF

OGS 1980 Airborne Mag-EM by Questor Surveys

Detailed survey of area for Atikokan-Mine Centre Area.

MDC 29 / KAF 52C15SE W-1

G. Armstrong 1989

3 ddh holes (340.16m)

Pidgeon – 1 hole intersected 1.18% Zn, 0.13% Pb and 0.07% Cu over 2.26m.

52C15SE W-1

Lafreniere, A E / KAF 52C15SE HH-1

Stripping Turtle Tank – stripped 3 areas by B-Zone

Claim 1050509 – stripped by shaft

L. Cousineau 1988 / KAF 52C15SE LL-1

2 test pits Turtle Tank - Pits 1 and 2 blasted in the A Zone but no assays.

Goldfields Can. Mining Ltd 1989 / KAF 52C15SE NN-1

Airborne Mag-VLFEM

Stripping & channel sampling

A geological / geophysical interpretation map (1:10000) was produced showing the following:

Turtle Tank A Zone – Large, east-west trending gabbro dikes intersecting foliated felsic volcanics at 0750 but no EM response.

Turtle Tank B Zone – altered and foliated, northwest trending, felsic volcanic with quartz stringers and chalcopryite mineralization with visible gold.

Pidgeon – Zn-Cu-Pb mineralization with magnetic conglomerate unit (mill rock?); near felsic contact but no EM signature.

INCO 1990-93 / KAF 52C15SE NN-1

Airborne Mag-EM (370km), IP (15 km), limited sampling, 2 ddh holes (727m).

Zone A – 20m shear @ 0800 with chlorite-iron carbonate silica alteration +/- 10% pyrite. Gold is associated with silicification with best assays of:

Chip 5.87 gpt Au over 1.5m in Fe-carb alt Mafic Volcanic

Grab 8.27 gpt Au in Fe-carb alt. Mafic Volcanic

Chip 4.45 gpt Au over 2.0m in Fe-carb alt Mafic Volcanic

Grab 5.08 gpt Au in Fe-carb alt. Mafic Volcanic

Grab 1.47 gpt Au in Fe-carb alt. Mafic Volcanic

Grab 14.40 gpt Au in Fe-carb alt. Mafic Volcanic (to east)

Grab 8.27 gpt Au in Fe-carb alt. Mafic Volcanic

Grab 63.9 gpt Au in Fe-carb alt. Mafic Volcanic

Chip 1.74 gpt Au over 2.5m in folded mafic volcanic

Grab 1.17 gpt Au in mafic dike

Grab 8.45 gpt Au in Fe-carb alt. Mafic Volcanic.

Grab 1.90 gpt Au in Fe-carb alt. Mafic Volcanic.

Zone B - <15m folded & deformed, mafic unit with intense iron carbonate and veins/pods of quartz +/- 5%

Cpy. Gold in Grab 2.91 gpt Au (located 10m northwest of stripping)

Grab 2.43 gpt Au in quartz of Fe-carb alt. Mafic volcanic

Chip 13.2 gpt Au over 2.5m pit in Fe-carb alt. Mafic Volc.

Grab 24.07 gpt Au in Fe-carb alt. Mafic volcanic

Grab 1.25 gpt Au in Fe-carb alt. Mafic volcanic

Chip 11.6 gpt Au over 2.0m in Fe-carb alt. Mafic volcanic

Grab 4.71 gpt Au in quartz of Fe-carb alt. Mafic volcanic

Stripped 5 units near B-Zone and completed 6 trenches.

Trench 1 – 75m x 20m @ 0000 (K1050642)

Trench 2 – 70m x 20m @ 0750 (K1050578)

Trench 3 – 20m x 10m @ 0000 (K1050741)

Trench 4 – 70m x 10m @ 0750 (K1050574)

Trench 5 – 30m x 10m @ 3400 (K1050815)

Trench 6 – 45m x 25m @ 0000 (K1050642)

Cousineau, Louis & Edward 1993 / KAF 52C15SE PP-1

Prospecting, pits and sampling OPAP-305

Zone A – 3cm to 8cm quartz stockwork in >1m shear with some VG. Assays up to 531 gpt Au.

Zone B – 3cm to 30cm quartz veins in mafic to felsic volcanics +/- chalcopryite-pyrite with assays to 7.82 gpt Au.

New pits 51, 52, 53.

Private Notes C. Kuryliw (geologist) to L. Cousineau 1994

Geological review Zone B – A recommendation for 2 drill holes at 3300 across zones to test for Au and Cu mineralization was never completed.

C. Blackburn / KAF 52C15SE PP-2
OGS, 1994 D. Laderoute OGS, 1993 Property Visits Combined
Zone B – qtz-carb veins in carb alt basalt with cpy-py
mineralization in south part of stripping.
Assays: 13.57 gpt Au,
1.06 gpt Au,
1.46 gpt Au +/- Cu.

Cousineau, Louis & Edward 1995 / KAF 52C15SE PP-3
Stripping and trenching of Zone A and Zone B
Zone A – blasted 3 trenches in zone.
Trench 21 – 531 gpt Au over 20cm
Trench 23 – 17.16 gpt Au over 30cm plus
18.71 gpt Au over 30cm
Zone B (only chip assays >0.1 opt Au included)
Pit 64 – 10cm @ 13.41 gpt Au & 7cm @ 6.8 gpt Au, 10cm @ 26.44 gpt Au & 13cm @ 14.31 gpt Au,
13cm @ 115.07 gpt Au & 13cm @ 5.54 gpt Au, 10cm @ 159.82 gpt Au
Pit 61 – 15cm @ 21.77 gpt Au
Pit 65 – 10cm @ 95.79 gpt Au & 10cm @ 76.82 gpt Au, 13cm @ 6.00 gpt Au & 13cm @ 126.27 gpt Au
15cm @ 46.86 gpt Au
Pit 60 – 13cm @ 7.46 gpt Au & 13cm @ 255.02 gpt Au, 13cm @ 28.30 gpt Au
Pit 56 – 10cm @ 25.60 gpt Au
Alice A
Local – 13cm @ 225.79 gpt Au

Cousineau Louis & Edward 1995 / KAF 52C15SE PP-4
Prospected cut-over area to east of Zone A. Located greenstone, gabbro and rhyolite but no significant
Au results.

Cousineau Louis & Ray, & K.Desjardins 1995 / KAF 52C15SE PP-5
Prospecting
OPAP 92-470 to 472
Galena located in Zone 19 east of Little Turtle Lake but only trace gold. Host was quartz stringers in tuff
+/- chalcopyrite galena but no significant Au results.

Cousineau Louis & Edward / Nuinsco / KAF 52C15SE PP-6
Mapping, 9 ddh holes (826.71m)
Detailed mapped B-Zone with 44 samples taken over the property. Best assays were:
A-Zone – 23.41 gpt Au
N-Trench – 1.85 gpt Au, 0.19% Cu, 4.14% Zn, 33 gpt Au
P claim – 1.34 gpt Au
Alice A – 9.4 gpt Au, 0.58% Zn and 3.2 gpt Ag
H Zone – 0.11% Cu, 4.76% Zn, 4.4 gpt Ag
K Zone – 0.26% Cu, 10.91% Zn, 27 gpt Ag
E Zone – 0.43% Cu, 15.29% Zn, 46 gpt Ag, 0.15% Pb
C Zone – 1.26 gpt Au, 0.24% Cu, 3.26% Zn, 26 gpt Ag and 0.25% Pb
D Zone – 0.24% Cu, 9.13% Zn, 64 gpt Ag, 0.77% Pb

The B Zone drill results were:
NTT9601- 0.61 gpt Au, 9.8 gpt Ag & 0.75% Cu @ 0.50m.
NTT9602- 0.61 gpt Au, 9.8 gpt Ag & 0.75% Cu @ 0.33m.
NTT9603- 0.61 gpt Au, 0.6 gpt Ag & 0.75% Cu @ 0.82m.
NTT9604- 0.15 gpt Au, 0.4 gpt Ag & 0.12% Cu @ 0.52m.
NTT9605- 1.55 gpt Au, 0.4 gpt Ag & 0.06% Cu @ 0.46m
NTT9605- 0.44 gpt Au, 0.4 gpt Ag & 0.53% Cu @ 0.45m
NTT9606- 1.55 gpt Au, 0.4 gpt Ag & 0.06% Cu @ 1.12m

NTT9606- 1.18 gpt Au @ 0.62m.

The A Zone drill results were:

NTT9606 - 0.28 gpt Au and 0.07% Cu @ 21.80m with anomalous Au values of 1.50 gpt & 1.18 gpt Au.

NTT9609 – 0.82 gpt Au @ 0.39m.

Cousineau Louis & Ray 1995 / MDC29 OGS 2000

Prospecting, Stripping And Sampling (OPAP)

Prospected cut-over area to east of Zone A but no significant results.

A Zone – 30m wide shear @ 80o of tuffs-flows +/- chert with chlorite-iron carbonate, silica and 10% pyrite.

Best assay from new stripping was 1.65 gpt Au and new test pits 21A & 21B

B Zone – 20m wide interbedded mafic and felsic units with strong iron carbonate alteration with strongly folded quartz with pods of >5% chalcopyrite. Sampled & enlarged pits 56,

60 & 61 but added new pits 64 –68.

Pit 56 – 12.44 to 21.77 gpt Au

Pit 60 – 25.19 to 225.79 gpt Au

Pit 61 – 1.56 to 255.02 gpt Au

Pit 64 – 7.46 to 115.97 gpt Au

Pit 65 – 5.91 to 126.27 gpt Au

Pit 65 – 2.49 gpt Au,

Pit 68 – 46.96 gpt Au

Property Summaries Gold Bug – quartz stringers with galena-chalcopyrite-pyrite gold Alice A consists of 60cm-90cm stringer-rich zones of folded quartz with ankerite-sphalerite-galena-chalcopyrite-pyrite in altered rhyolite. Historical assay yielded 17 gpt Au from 10- ton test (1899).

Q-Gold Optioned 2000-2010 Three diamond drill holes through the shaft area of the Alice A. Best result 740 ppb over 1.0 metre. Private communication with drill geologist Jack Bolen of Q-Gold to prospectors.

OGS Map 82464, 2009 / MDC 29 – Mineral Deposit Circular 29 (OGS)

Airborne Mag-EM By Aeroquest (1:50K).

Detailed survey of area for Atikokan-Mine Centre Area.

Analysis by author within Geophysics Section of this report.

Geology and Structure

The geology for the property is derived from Ontario Geological Survey Map 2525 and is supported by Geological Report 266 (Poulsen 2000).

The Turtle Tank property is located within the Wabigoon Subprovince of the Archean Superior Province. The property is underlain by intercalated mafic to intermediate flows +/- tuff to felsic tuffs and overlain by the later Quetico Metasediments. There is a steeply dipping regional foliation at 070o.

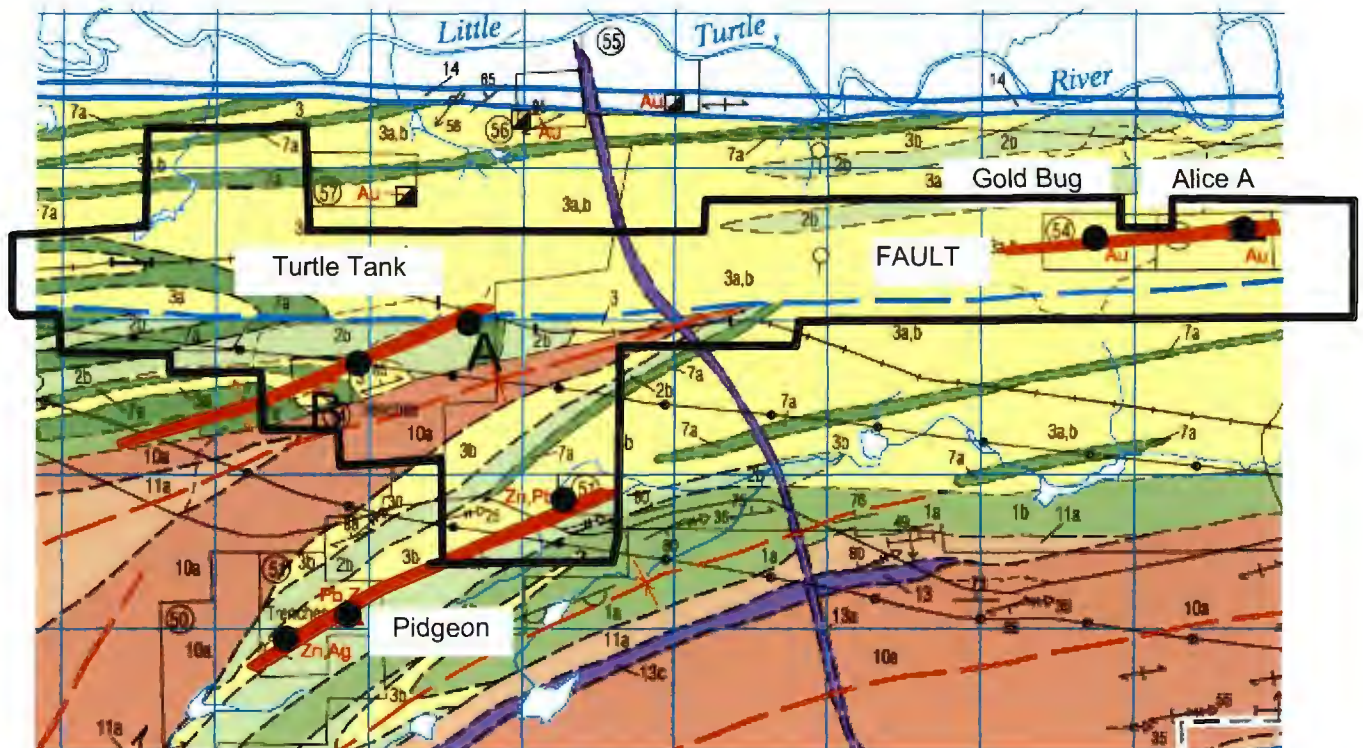


Figure 2: Geology of the Turtle Tank Area (modified after Poulsen 2000)

The property is underlain by a tightly folded sequence of intercalated mafic flows, intermediate to felsic tuff, minor lapilli tuff and flows in contact with cobble, sand or clay based metasediments (Quetico). The stratigraphy follows the steeply dipping regional foliation at 070° on the south portion of the property, south of Highway 11, near the Pidgeon Base Metal Trend. Foliation is related to splays off the Seine River Fault to the south. North of the highway, the stratigraphy follows an east-west foliation near the Gold Bug and Alice A where regional foliation is strongly influenced by the east-west Quetico Fault.

The Mine Centre area is contained in a dextral wrench zone between the Quetico Fault to the north and the Seine River Fault to the south. These two faults splay approximately 30 kms to the east of the mapped area. Both faults have right lateral movement causing a dextral wrenching on the pie shaped rocks between the faults. The Quetico essentially trends east-west and can be traced for greater than 300 kms.

The Seine River Fault splays off the Quetico approximately 30 kms to the east of the map area and has a trend of approximately 255° and can be traced for greater than 200 kms.. South of the Seine River Fault, rocks consist mainly of sediments with upper amphibolite grade of metamorphism, (biotitic schist). North of the Quetico Fault the rocks are upper amphibolite grade of metamorphosis consisting mainly of migmatites.

The intervening wedge consists of volcanics, mafic and felsic, Temiskaming Meta-Sediments, Intrusive sills, both felsic and mafic. Metamorphism is of green schist grade which slowly increases to the west of the mapped areas. Dextral wrenching has caused a series of shears to open up between the 2 faults. Originating from the Seine River Fault these strong shears trend ENE and eventually align east-west as the Quetico is approached. These regional faults have a pronounced influence on the foliation of the area. The Quetico has infused large amounts of ankerite into the rocks immediately south of the fault. In the area around the Alice A, ankerite locally approaches 50%. Greater than 200 gold bearing veins are associated with these splays (shears) radiating from the Seine River Fault. Alteration is generally in the form of silicification (quartz veins) with generally less than 10% ankerite which is usually confined to the veins. Mineralization associated with the Seine includes, pyrite, chalcopyrite, sphalerite, galena, gold and silver. Many of these veins are very high grade.

Discussion

Alice 'A' Horizon

A total of 29 samples were taken along a 3 km strike length of the Alice 'A' Horizon. The Alice 'A' Horizon is marked by a sericitic, sheared unit of intermediate to rhyolite flows. Typically sericitic with 25 to locally 50% ankerite and numerous lenticular quartz veinlets. The structure varies from 20 to 60 metres in width. Quartz veinlets vary from 5 to 20% of the unit. The veins vary from 1 cm to 50 cm. averaging 5-10 cm. in width. Veins are invariably white and rarely contain more than 1% pyrite. Historical assaying has returned very low values, typically < .2 g/t.

All units strike between 86 and 90*, parallel to the Quetico Fault, 700 to 800 metres to the north. All rocks are foliated with strong ankerite alteration. Dip is 80* to the north. The Quetico Fault typically has injected huge amounts of carbonate, in the form of Ankerite, into the surrounding units. Silicification and sulphides are rare.

The Alice 'A' contains 2 shafts and has been sunk on a 1.0 metre white quartz ankerite vein containing minor amounts of pyrite, chalcopyrite, sphalerite, galena and minor gold. In 2009 Hexagon Gold Ontario Ltd. sank 3 diamond drill holes in the shaft area of the Alice 'A'. DDH AA1, 200 metres west of the shaft returned a best assay of 836 ppb Au over 1 metre. AA2, 100 metres west of the shaft returned a best assay of 374 ppb Au. over 1 metre. AA3 drilled under the shaft returned a best assay of 39 ppb Au over 1 metre. Intense ankerite with quartz veinlets were encountered. Sulphide content was generally < 2%

South of the Alice A shaft several red mineralized quartz veins were located. These veins which are discontinuous have returned some very good assays exceeding 30 g/t Au. These veins have random orientation and are caught between the Alice 'A' horizon and a large shear to the south. The south shear is represented by a linear swamp, 200 – 300 metres wide, which can be traced for several kms. and lay's in a magnetic low. These rich red quartz veins are believed to be sympathetic fractures which due to their distinct difference in mineralization from the Alice 'A' horizon are probably related to the south shear zone. Numerous pits have been blasted in these veins and where found were sampled.

The south shear which I believe is related to the high grade quartz veins in the Alice 'A' area, has never been drilled. A weak airborne anomaly lays in the topographic low immediately south of the Alice 'A'. This has never been investigated. This zone has had no geophysics and with the absence of outcrop no geological information is available.



Figure 3: Alice A Horizon, quartz veinlets in intermediate volcanic

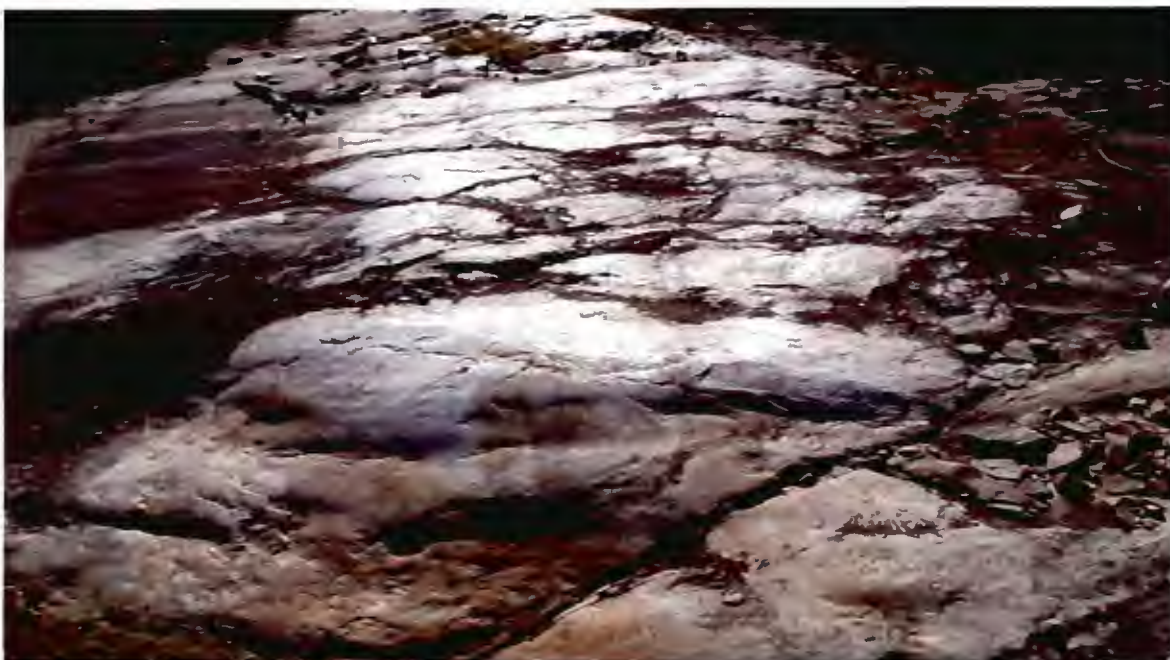


Figure 4: Quartz vein south of Alice A.

Highlights of 2011 sampling of the Alice A are:

Table 2: sampling from Alice A

Sample Number	Northing	Easting	Au	Ag	Cu	Pb	Zn
			gpt	gpt	ppm	ppm	ppm
1277	5401245	540682	1.143	<1	6	14	27
1286	5401080	538432	5.115	32	289	16	37
1289	5401154	538812	3.781	4	130	147	182
1290	5401275	537770	7.099	5	214	26	128
1292	5401279	537772	4.772	2	46	136	127
1293	6401279	537772	19.957	5	35	144	155
1295	5401246	537682	0.869	11	651	264	1279
1295	5401246	537682	0.928	8	660	267	1295
1296	5401276	538370	0.244	<1	14	274	1559
1300	5401302	538458	12.240	5	194	2037	2955

301 Zone

This zone has been named after a patent claim P301 which lays on a strong shear which trends at 68° and originates from the Seine River Fault to the south. Two other patents, (P683, K304) lay 2 kms. to the south east of K301 on the same wide shear. These patents cover a portion of the north contact of the shear and a portion of the shear. The shear is represented by a system of beaver ponds and wet muskeg, 200 to 300m wide, with no rock exposure. This system lays in a magnetic low and can be traced for several kms.

The NW half of these 3 patents cover the northern contact of this shear. Numerous quartz veins striking at 68° can be seen parallel to the shear zone. These veins are persistent on strike and typically carry pyrite, sphalerite, chalcopyrite, gold and silver. Several small drill programs have been carried out on the veins of the Pigeon Patents. In all cases the targets were the veins. The veins which dip to the SE had drill holes drilled from the SE to NW, away from the main shear.

This project followed the strike of the north contact of the shear from Highway 11, just south of K301 to south west of P683 and K304. The north contact is represented by a high ridge of outcrop which flanks the north west side of the wide swamp. A zone of

The veins differ from those influenced by the Quetico Fault in that far more sulphides are present in the form of pyrite, sphalerite, (2 to 20%), chalcopyrite and gold and silver. To date only these veins have been drill tested.

PIDGEON Pb - Zn PROSPECT

9	Conglomerate, granite	x Zn, Pb, Cu, Ag	mineral occurrences
3	Felsic metavolcanics	py	pyrite
3b	Tuff, apite tuff	cp	chalcopyrite
2	Intermediate metavolcanics	pillow	pillow facies in basalts
1	Mafic metavolcanics	pit	pit
		drill hole	drill hole
		contact	geological contact

Figure 5: Geology of the Pigeon Showing, with patents.

This project followed the strike of the north contact of the shear from Highway 11, just south of K301 to south west of P683 and K304. The north contact is represented by a high ridge of outcrop which flanks the north west side of the wide swamp. A zone of shearing, brecciation with pyrite and quartz veining can be seen for its entire length. A series of pits were seen and sampled. The pits were in quartz veins within the silicified rhyolite breccia and shearing. The silicified and sheared rhyolite breccia can be seen over a 50 metre width before it disappears into the large swamp to the SE. Shearing increases as the low ground is approached. All 3 patents cover a portion of this alteration zone and its associated quartz veins. It is believed that only the NW periphery of this large shear can be seen.

The veins differ from those influenced by the Quetico Fault in that far more sulphides are present in the form of pyrite, sphalerite, (2 to 20%), chalcopryite and gold and silver. To date only these veins have been drill tested.

MDC 29

Kerr Addison Mines, 1969

6 ddh holes (204.8m)

Pidgeon drill results:

Hole 1 – 0.53% Zn & 1.76% Pb over 3m

Hole 1 - 1.08% Zn over 1.5m,

Hole 2 – 5.61% Zn & 0.32 opt Ag over 0.15m

Hole 2 - 2.10% Zn, 0.18% Pb & 0.16 opt Ag over 0.6m

Hole 4 – 0.50% Zn & 0.12 opt Ag over 0.6m

Hole 6 – 0.87% Zn & 0.36 opt Ag over 2.4m

Hole 6 - 1.00% Zn over 3.15m. .

G. Armstrong 1980

3 ddh holes (340.16m)

Pidgeon – 1 hole intersected 1.18% Zn, 0.13% Pb and 0.07% Cu over 2.26m

Highlights of 2011 sampling of the K301 / Pidgeon showing A are:

Table 4: sampling from Pidgeon area

Sample Number	Northing	Easting	Au	Ag	As	Cu	Pb	W	Zn
			gpt	gpt	ppm	ppm	ppm	ppm	ppm
21659	5398784	532683	0.568	35	4256	3543	1083	1198	101428
21660	5398733	532575	0.077	11	667	2321	177	92	8245
21661	5398733	532575	0.075	7	290	1248	113	216	21744
21663	5398724	532421	0.246	21	32	2224	2109	796	75041
21664	5398724	532421	0.033	2	22	38	368	<10	834
21665	5399539	533668	0.224	5	113	170	4484	14	1339
21670	5399299	533353	0.027	1	30	41	50	20	1796
21671	5399299	533353	0.159	3	172	249	164	47	4216
21672	5399299	533353	0.038	4	30	223	313	49	4692

Conclusions

- 1) The Quetico Fault has infused large amounts of ankerite into rocks immediately south of the fault with only small amounts of sulphides and silicification. Gold content with structures related to the Quetico is very low.
- 2) Of the more than 200 gold bearing quartz veins found to date in the Mine Centre Area greater than 98% are in some way linked to structures which are related to the Seine River Fault. Most of these veins have a appreciable base metal content in the form of sphalerite, galena and minor chalcopryite with major amounts of pyrite. Veins and shears associated with the Quetico Fault, typically have < 2% sulphides, usually as pyrite with trace amounts of galena, sphalerite chalcopryite and gold.
- 3) The shears which have been created in the dextral wrench between the Seine River and the Quetico Faults have all originated from the Seine River Fault and are responsible for the major amount of gold and base metal mineralization in the Mine Centre Area.
- 4) To date the exposed sympathetic quartz veining on the periphery of the shears associated with the Seine River Shears have received most of the attention in the form of drilling and trenching. The main shears have had no drilling and because of the recessive topography no geological or sampling information is available. In the past only targets which can be seen, ie veins, have been drilled. With the recessive geology and no geophysics to define targets these shears have gone unexplored.
- 5) The Seine River shears are extremely strong and can be traces for many kilometres. They are usually represented by a system of beaver dams and low swampy terrain. Typically they are represented as magnetic lows as the large volumes of hydrothermal fluids passing through have removed the magnetic iron and magnesium minerals leaving non-magnetic minerals in the form of carbonate, silica, pyrite and sphalerite as replacement minerals.
- 6) The Seine River Fault has several gold showings within the fault along a 100 km. long strike length on the Canadian side where as the Quetico has no known gold showings within the fault indicating that the Seine River Fault is probably responsible for the gold and base metal mineralization in the Mine Centre Area.

Recommendations

- 1) A series of drill holes should be drilled across the known Seine River Shears to determine the geology and the associated mineralization.
- 2) Two grids should be established. Lines at 100 metre intervals. A) immediately south of the Alice A to cover the large magnetic low between the Alice A and the railroad tracks. A weak airborne conductor is present here. Baseline should be at 90°. B) Base line at 68° with 100 metre lines to cover a series of Seine River Shears from the Pigeon Showings to north of patent K301 north of Highway 11.
- 3) A program of IP Survey should cover these grids to determine hard targets for drilling. Timing may determine if some drilling should occur before the surveying then the IP on the most prospective targets or do the IP first to help select targets. Gridding cannot begin on the Pigeon target until after freeze up due to the wet terrain.
- 4) The 3 patents K301, K304 and P683 should be investigated for acquisition.
- 5) Mineral claims should be staked south of the present property to cover the Seine River Shear Zone

Budget

The following was spent on the Turtle Tank Property in 2011.

Turtle Tank Budget, Fall 2011

Salary	11-Sep	11-Oct	11-Nov	days	Cost	Subtotal
J. Bolen field geologist	11	0	0	11	678	7458.00
B. Bone prospector	8	0	0	8	200	1600.00
A. Raoul geologist	1	2	1	4	500	2000.00
Jacks expenses	492.04					492.04
Assays		1715.45		0	0	1715.45
Zone 14			300.58			300.58
TOTALS						13566.07

Statement of Qualifications

Jack A. Bolen BSc. PGeo.
Ontario #1824

I received a 2 year Geological Tech Diploma in 1970 from Soo College, Sault Ste Marie, Ontario.

I received a 4 Year BSc. from Lake Superior University in Sault Ste Marie, Michigan in 1976.

I have worked continuously in Mining Exploration since 1969.

I am currently a Contract Geologist and personally responsible for the Mapping and reporting of the work.

I am a Registered Geoscientist with the Association of Professional GeoScientist of Ontario Registry #1824

I have no financial interest in the property or company conducting the work.

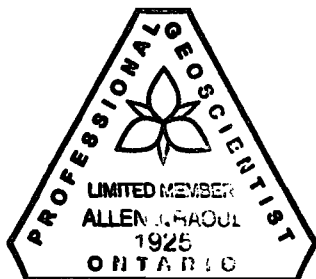
Jack A. Bolen BSc. PGeo.

CERTIFICATE OF AUTHOR

I, Allen J. Raoul, of the town of Fort Frances, in the province of Ontario, do certify as follows:

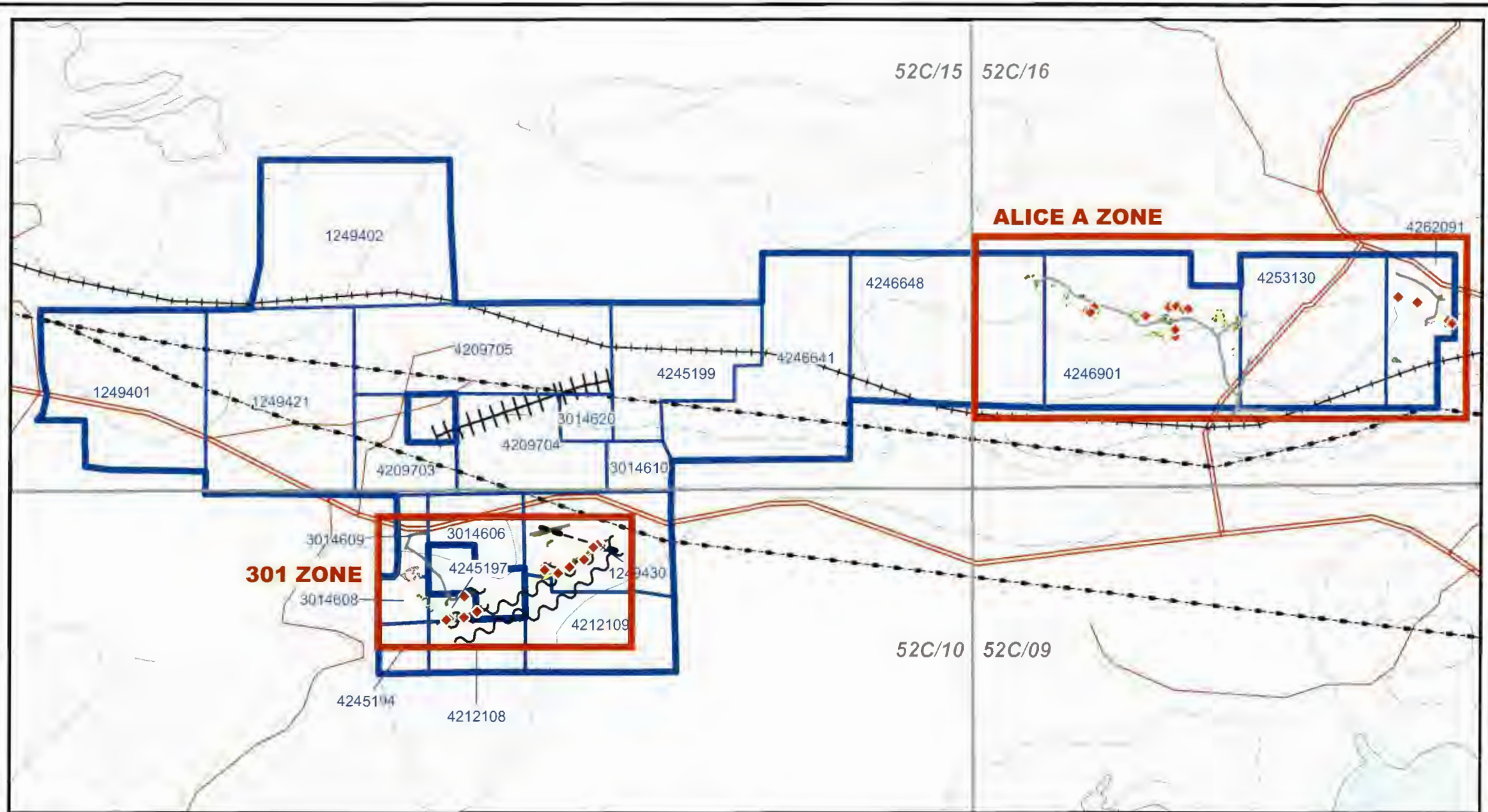
- 1) I am the Field Geologist with Bending Lake Iron Group Ltd ., with an office at
201 Hardisty Street
Thunder Bay, Ontario
P7C 3G8
807-285-5364
- 2) I achieved my Professional Geoscientist status with the Association of Professional Geoscientist of Ontario in December of 2010 - Number 1925 (limited).
- 3) I spent the previous three years in the Thunder Bay and Kenora Districts of Ontario for Bending Lake Iron Group Ltd as Field Geologist
- 4) Starting in May of 2008, I spent the next 6 months in the Kenora District in Ontario for Rainy River Resources as Project Geologist.
- 5) Starting in March of 2007, I spent the next 14 months in the Kenora District of Ontario for Western Warrior Resources Inc as Project Geologist and then Exploration Manager.
- 6) I spent the previous seven years, July 2000 – February 2007, in the Kenora District of Ontario for the Ontario Geological Survey as Acting District Geologist and District Support Geologist.
- 7) I have practiced my profession since 1990.
- 8) I am a graduate of Mount Allison University, Sackville, New Brunswick with a B.Sc. in Geology in 1990.
- 9) I am a graduate Mineral Technologist from the University College of Cape Breton, Sydney, Nova Scotia in 1987.

Permission is granted to H. Wetelainen and Pathfinder Gold Inc. to publish this report dated November 30, 2011 for assessment purposes, raising of funds and other corporate purposes.



A handwritten signature of Allen J. Raoul in cursive script, written over a horizontal line.

Allen J. Raoul, PGeo #1925 Limited

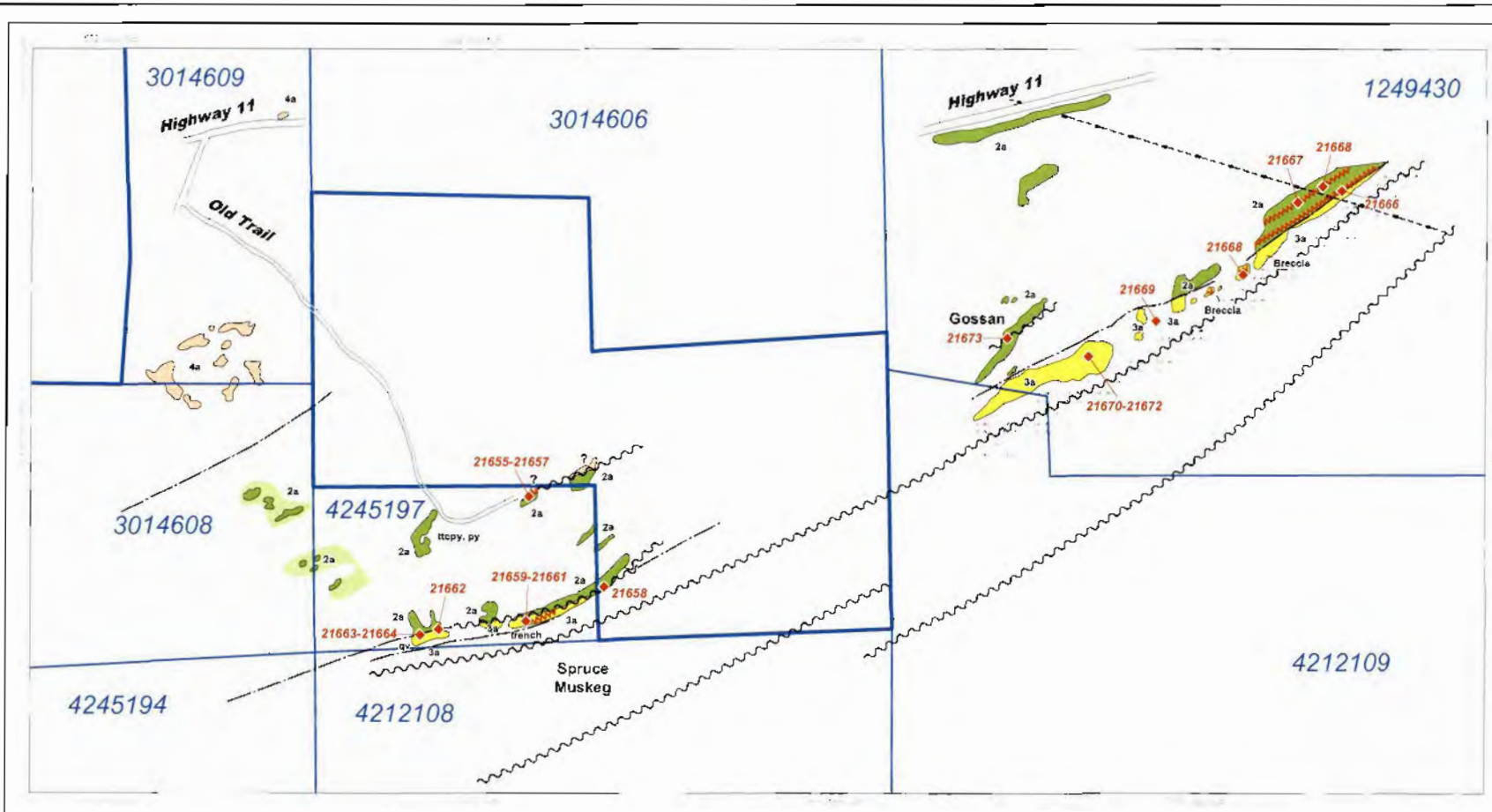


Pathfinder Gold Inc.

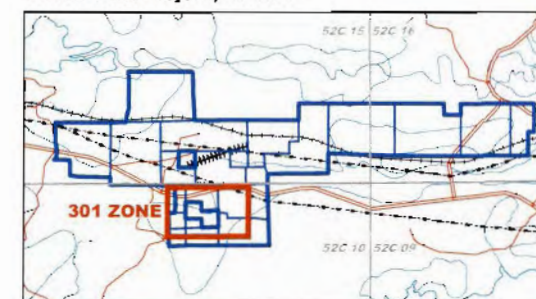
TURTLE TANK GOLD PROJECT, Ontario
(Mine Centre)

AREAS of MAPPING
Alice A & 301 Zones

Datum: NAD 83, Zone 15



Turtle Tank Project, Ontario

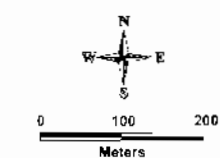


LEGEND: 301 ZONE

- Turtle Tank Property
- Sample
- Contact Boundary
- ~~~~~ Quartz Veinlets
- Powerline
- Swamp/Marsh
- ~~~~~ Shear

Outcrop (Geology)

- (1) BASALT
 - 1a Flow
 - 1b Pillowed
 - 1c Porphyritic
- (2) ANDESITE
 - 2a Flow
 - 2b Spill tuff
 - 2c Pillowed
 - 2d Flow breccia
- (3) RHYOLITE
 - 3a Flow
 - 3b Spill
 - 3c Tuff
 - 3d Flow breccia
- (4) SEDIMENTS
 - 4a Sandstone conglomerate
 - 4b Greywacke
- e. serfoid
- f. chertic
- g. gneiss
- h. anorthite
- i. sticifod



Scale: 1:5,000

PATHFINDER GOLD INC.

TURTLE TANK PROPERTY, ONTARIO
NTS 52C/10

301 ZONE
GEOLOGY & SAMPLING

Mapping by: Jack A. Bolen, PGeo. Assisted by: Bill Bone

DATE:	2012 January 09	NTS:	52C/10
SCALE:	1:5,000	DRAWN BY:	www.zone14.com
DATUM:	NAD 83, Zone 15	GATA:	A. Raoul
FILE NAME:	turtle tank_jan2012.wor		

APPENDIX 1

2011 Sample Descriptions and Assays

Pathfinder Gold Inc.											
Sample List, Turtle Tank Property, Mine Centre, Ontario											
ALICE A ZONE											
Sample Number	Northing	Easting	Sample Description	Au gpt	Ag gpt	As ppm	Cu ppm	Pb ppm	V ppm	W ppm	Zn ppm
1276	5401245	540682	sheared rhyolite tuff, sericitic, quartz stockworks, veins at variable angles, 15% quartz, 1% blebby pyrite, trace chalcopyrite	0.075	<1	<2	39	10	3	<10	15
1277	5401245	540682	sheared rhyolite tuff, 50% sericite, 20% ankerite, 29% quartz, 1% pyrite	1.143	<1	3	6	14	3	<10	27
1278	5401259	540647	sheared intermediate volcanic, strong sericite alteration, 1 - 5 cm quartz veinlets, 10% ankerite, trace pyrite.	0.011	<1	<2	13	30	2	<10	144
1279	5401461	540238	altered sericitic rhyolite, quartz ankerite veinlets, trace pyrite, trace tourmaline, old pit 3 x 1 x 1'	0.013	<1	<2	10	10	5	<10	86
1280	5401461	540238	quartz vein, 15% ankerite in chlorite sericite schist, numerous small quartz veinlets across outcrop. Sample, grab from boulder blasted from pit.	0.018	<1	<2	23	17	3	<10	114
1281	5401412	540394	1 metre quartz ankerite vein, trench 5 x 3 x 2 m. 70% quartz, 10% ankerite, 20% chlorite/sericite, trace pyrite.	0.009	<1	<2	2	10	6	<10	24
1282	5401209	538183	intermediate volcanic, sheared, chloritic, 1/2% disseminated pyrite, strong ankerite alteration	0.006	<1	<2	62	14	220	<10	101

Sample Number	Northing	Easting	Sample Description	Au gpt	Ag gpt	As ppm	Cu ppm	Pb ppm	V ppm	W ppm	Zn ppm
1283	5401205	538330	grab from blasted quartz vein in old trench in chlorite schist, 20% ankerite, no visible sulphides.	0.006	<1	<2	4	10	4	<10	137
1284	5401205	538330	as above	0.009	<1	<2	2	6	3	<10	85
1285	5401126	538389	sheared rhyolite, strong sericite alteration, strong ankerite alteration	0.010	<1	2	6	9	<2	<10	7
1285	5401126	538389	duplicate of 1285	0.010	<1	3	6	9	<2	<10	10
1286	5401080	538432	pit blasted on .6 metre red quartz vein, 90% quartz, 10% chlorite, traces of oxidized pyrite, vuggy, intermediate volcanic	5.115	32	<2	289	16	4	<10	37
1287	5401040	538415	sheared rhyolite, pervasive >25% ankerite alteration, trace pyrite, edge of swamp.	0.015	<1	<2	20	7	<2	<10	23
1288	5401154	538812	sheared rhyolite, sericitic, pervasive ankerite alteration 25%, edge of outcrop	<0.005	<1	<2	8	13	2	<10	177
1289	5401154	538812	pink quartz vein, 2 m wide, chip across 1 metre	3.781	4	<2	130	147	4	<10	182
1290	5401275	537770	pink quartz vein, vein 2 - m, in sericitic intermediate vol, 1 metre chip	7.099	5	<2	214	26	4	<10	128
1291	5401274	537776	chip over 1 metre on north side of trench, intermediate volcanic, strong sericite alteration, fine grained, moderately silicified, trace pyrite	0.008	<1	<2	8	14	2	<10	48

[illegible]

301 ZONE											
Number	Northing	Easting	Sample Description	Au	Ag	As	Cu	Pb	V	W	Zn
				gpt	gpt	ppm	ppm	ppm	ppm	ppm	ppm
21655	5398922	532584	altered and sheared intermediate volcanic, moderately chloritic within a 10 metre wide zone at 66* numerous quartz veins up to 1 metre wide, 50% quartz, 50% volcanic, red rusty gossan after pyrite, 1% pyrite.	0.009	<1	8	22	13	4	<10	76
21656	5398922	532586	as above	0.007	<1	4	15	14	4	<10	112
21656	5398922	532586	duplicate of 21656	0.006	<1	2	15	14	5	<10	111
21657	5398922	532584	red rusty quartz as grabs around area from a 10 metre wide shear, trace of pyrite, gossan.	<0.005	<1	4	3	4	5	<10	17
21658	5398733	532575	sheared intermediate volcanic, reddish, trace pyrite, 10% quartz veining.	<0.005	<1	13	8	28	2	<10	124
21659	5398784	532683	.5 metre shear with quartz veining, pyrite 5%, sphalerite 15%, strike at 82*, vertical	0.568	35	4256	3543	1083	3	1198	101428
21660	5398733	532575	2 metre chip/grab from south side of vein, intermediate volcanic, sheared, sericitic, 1% pyrite	0.077	11	667	2321	177	3	92	8245
21661	5398733	532575	grabs from north side of vein sheared, silicified, 1% pyrite	0.075	7	290	1248	113	3	216	21744
21662	5398735	532562	highly sheared rhyolite, silicified, red gossan, weathered, quartz veinlets 10%. Historic pit. Weathered out pyrite 5%.	0.052	2	95	32	277	3	<10	357

Number	Northing	Easting	Sample Description	Au	Ag	As	Cu	Pb	V	W	Zn
				gpt	gpt	ppm	ppm	ppm	ppm	ppm	ppm
21663	5398724	532421	.30 metre quartz vein material from pit 2.5 x 2.5 x ? (water) 3% pyrite, 8% sphalerite.	0.246	21	32	2224	2109	2	796	75041
21664	5398724	532421	wall rock at above location, silicified rhyolite in shear, north side of pit, red, oxidized over 1 metre, trace to 1% pyrite.	0.033	2	22	38	368	2	<10	834
21665	5399539	533668	shear approximately 2 metres wide, dark red gossan, intermediate volcanic, minor quartz, ankerite, weathered, 5% pyrite, strike 68*, dip 85* north, on hydro line, north side, 40 metres west of swamp (shear)	0.224	5	113	170	4484	3	14	1339
21666	5399531	533684	shear, strong gossan, 10% quartz veinlets, 2% pyrite with 5% weathered pyrite strong weathering, intermediate volcanic, silicified.	0.033	<1	82	75	318	7	<10	496
21666	5399531	533684	duplicate of 21666	0.033	<1	80	74	296	7	<10	486
21667	5399517	533637	highly sheared intermediate volcanic, strong gossan, trace pyrite, part of a 30 m wide zone of shearing. Sample on strike with 126665.	0.033	<1	50	9	227	3	<10	180
21668	5399421	533563	sheared rhyolite, gossan, strong ankerite alteration, very rusty, weathered pyrite, beside swamp.	<0.005	<1	2	22	22	7	<10	78

Number	Northing	Easting	Sample Description	Au	Ag	As	Cu	Pb	V	W	Zn
				gpt	gpt	ppm	ppm	ppm	ppm	ppm	ppm
21669	5399349	533433	quartz veining in sheared rhyolite breccia, sericitic, 3 - 4% pyrite, mainly weathered.	0.047	<1	37	21	94	3	<10	213
21670	5399299	533353	rhyolite breccia, strongly silicified, white, 5 - 8% pyrite, trench/pit 2 x 1.75 x 1 metre, west metre of trench	0.027	1	30	41	50	3	20	1796
21671	5399299	533353	as above, east metre of trench	0.159	3	172	249	164	3	47	4216
21672	5399299	533353	rhyolite breccia, wall rock beside trench, grabs from dump, 1 - 3% pyrite	0.038	4	30	223	313	2	49	4692
21673	5399333	533235	sheared rhyolite, weakly silicified, sericitic, gossan zone 10 metres wide, 3-4% oxidized pyrite	0.007	1	31	5	27	2	<10	73

Appendix 2:
Assay Sheets

Monday, October 17, 2011

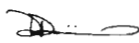
Certificate of Analysis

 Bending Lake Iron Group
 201 Hardisty Street
 Thunder Bay, ON, CAN
 P7C 3G9
 Ph#: (807) 285-5364
 Email: georaoul@gmail.com

 Date Received: 09/28/2011
 Date Completed: 10/17/2011
 Job #: 201143558
 Reference:
 Sample #: 47

Acc #	Client ID	Au ppb	Au oz/t	Au g/t (ppm)
239050	1276	75	0.002	0.075
239051	1277	1143	0.033	1.143
239052	1278	11	<0.001	0.011
239053	1279	13	<0.001	0.013
239054	1280	18	<0.001	0.018
239055	1281	9	<0.001	0.009
239056	1282	6	<0.001	0.006
239057	1283	6	<0.001	0.006
239058	1284	9	<0.001	0.009
239059	1285	10	<0.001	0.010
239060 Dup	1285	10	<0.001	0.010
239061	1286	5115	0.149	5.115
239062	1287	15	<0.001	0.015
239063	1288	<5	<0.001	<0.005
239064	1289	3781	0.110	3.781
239065	1290	7099	0.207	7.099
239066	1291	8	<0.001	0.008
239067	1292	4772	0.139	4.772
239068	1293	19957	0.582	19.957
239069	1294	47	0.001	0.047
239070	1295	869	0.025	0.869
239071 Dup	1295	928	0.027	0.928
239072	1296	244	0.007	0.244
239073	1297	11	<0.001	0.011
239074	1298	9	<0.001	0.009
239075	1299	23	<0.001	0.023
239076	1300	12240	0.357	12.240
239077	21652	17	<0.001	0.017
239078	21653	17	<0.001	0.017
239079	21654	117	0.003	0.117

PROCEDURE CODES: ALP1, ALFA1, ALAR1

 Certified By:  Cheryl Demanoux M.Sc. Laboratory Manager

The results included on this report relate only to the items tested
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Monday, October 17, 2011

Certificate of Analysis

 Bending Lake Iron Group
 201 Hardisty Street
 Thunder Bay, ON, CAN
 P7C 3G9
 Ph#: (807) 285-5364
 Email: georaoul@gmail.com

 Date Received: 09/28/2011
 Date Completed: 10/17/2011
 Job #: 201143558
 Reference:
 Sample #: 47

Acc #	Client ID	Au ppb	Au oz/t	Au g/t (ppm)
239080	21655	9	<0.001	0.009
239081	21656	7	<0.001	0.007
239082 Dup	21656	6	<0.001	0.006
239083	21657	<5	<0.001	<0.005
239084	21658	<5	<0.001	<0.005
239085	21659	568	0.017	0.568
239086	21660	77	0.002	0.077
239087	21661	75	0.002	0.075
239088	21662	52	0.002	0.052
239089	21663	246	0.007	0.246
239090	21664	33	<0.001	0.033
239091	21665	224	0.007	0.224
239092	21666	33	<0.001	0.033
239093 Dup	21666	33	<0.001	0.033
239094	21667	33	<0.001	0.033
239095	21668	<5	<0.001	<0.005
239096	21669	47	0.001	0.047
239097	21670	27	<0.001	0.027
239098	21671	159	0.005	0.159
239099	21672	38	0.001	0.038
239100	21673	7	<0.001	0.007

PROCEDURE CODES: ALP1, ALFA1, ALAR1

 Certified By:  Derek Demanick M.Sc. Laboratory Manager

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assay@accurassay.com

Monday, November 28, 2011

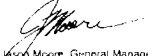
Certificate of Analysis

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201 Hardisty Street
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P7C 3G9
Ph#: (807) 285-5364
Email: georaoul@gmail.com

Date Received: 09/28/2011
Date Completed: 10/17/2011
Job #: 201143558
Reference:
Sample #: 47

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti ppm	Ti ppm	V ppm	W ppm	Y ppm	Zn ppm
239050	1276	0.075	<1	0.20	<2	51	44	<2	1	0.77	<4	3	21	39	2.17	0.17	2	0.13	383	10	0.04	34	<100	10	<5	<5	<0.01	<10	19	<100	<2	3	<10	17	15
239051	1277	1.143	<1	0.22	3	48	54	<2	<1	0.76	<4	1	28	6	1.66	0.18	2	0.04	322	11	0.04	49	<100	14	<5	<5	<0.01	<10	11	<100	5	3	<10	15	27
239052	1278	0.011	<1	0.17	<2	51	35	<2	1	1.29	<4	<1	23	13	1.88	0.15	3	0.20	453	8	0.04	38	<100	30	<5	<5	<0.01	<10	27	<100	<2	2	<10	14	144
239053	1279	0.013	<1	0.38	<2	50	78	<2	<1	0.33	<4	3	23	10	1.38	0.36	4	0.15	227	6	0.04	41	<100	10	<5	<5	<0.01	<10	25	142	<2	5	<10	5	86
239054	1280	0.018	<1	0.43	<2	58	61	<2	<1	0.38	<4	2	25	23	1.47	0.40	4	0.14	258	9	0.04	38	<100	17	<5	<5	0.01	<10	26	<100	<2	3	<10	6	114
239055	1281	0.009	<1	0.23	<2	53	24	<2	<1	1.95	<4	3	20	2	1.76	0.16	2	0.48	547	4	0.05	31	159	10	<5	<5	<0.01	<10	60	<100	<2	6	<10	4	24
239056	1282	0.006	<1	3.93	<2	54	17	<2	<1	3.46	4	44	203	62	7.59	0.01	42	3.17	1109	<1	0.03	128	430	14	<5	<5	<0.01	<10	69	143	8	220	<10	5	101
239057	1283	0.006	<1	0.23	<2	51	37	<2	<1	0.49	<4	<1	31	4	1.79	0.18	3	0.16	533	9	0.05	53	<100	10	<5	<5	<0.01	<10	18	187	<2	4	<10	9	137
239058	1284	0.009	<1	0.38	<2	43	51	<2	<1	0.17	<4	<1	31	2	1.25	0.33	5	0.10	374	10	0.02	50	<100	6	<5	<5	<0.01	<10	3	148	<2	3	<10	18	85
239059	1285	0.010	<1	0.31	2	43	80	<2	<1	<0.01	<4	<1	11	6	1.20	0.35	3	0.02	<100	8	0.02	20	<100	9	<5	<5	<0.01	<10	<3	<100	<2	<2	<10	17	7
239060D	1285	0.010	<1	0.33	3	43	84	<2	<1	<0.01	<4	<1	13	6	1.24	0.38	3	0.02	<100	9	0.02	23	<100	9	<5	<5	<0.01	<10	<3	<100	3	<2	<10	17	10
239061	1286	5.115	32	0.06	<2	49	9	<2	<1	<0.01	<4	<1	47	289	1.28	0.03	1	<0.01	<100	12	0.02	87	<100	16	<5	<5	<0.01	<10	<3	<100	3	4	<10	3	37
239062	1287	0.015	<1	0.24	<2	42	49	<2	<1	0.32	<4	2	17	20	0.91	0.29	2	0.03	222	9	0.02	28	<100	7	<5	<5	<0.01	<10	3	<100	<2	<2	<10	26	23
239063	1288	<0.005	<1	0.33	<2	52	68	<2	1	0.14	<4	<1	25	8	1.82	0.25	2	0.06	603	12	0.06	41	<100	13	<5	<5	<0.01	<10	4	183	<2	2	<10	22	177
239064	1289	3.781	4	0.04	<2	53	4	<2	3	0.03	<4	<1	40	130	0.47	0.02	1	<0.01	<100	9	0.02	65	<100	147	<5	<5	<0.01	<10	<3	<100	<2	4	<10	<2	182
239065	1290	7.099	5	0.04	<2	53	3	<2	<1	<0.01	<4	<1	55	214	0.40	0.02	1	<0.01	<100	11	0.02	85	<100	26	<5	<5	<0.01	<10	<3	<100	<2	4	<10	<2	128
239066	1291	0.008	<1	0.49	<2	50	78	<2	<1	0.06	<4	<1	22	8	0.87	0.36	4	0.04	151	7	0.08	41	<100	14	<5	<5	<0.01	<10	<3	<100	<2	2	<10	45	48
239067	1292	4.772	2	0.42	<2	62	73	<2	<1	0.15	<4	<1	19	46	0.76	0.37	3	0.04	167	5	0.04	28	<100	136	<5	<5	0.01	<10	3	<100	<2	2	<10	26	127
239068	1293	19.957	5	0.30	<2	60	43	<2	<1	0.02	<4	<1	31	35	0.68	0.24	3	0.02	126	8	0.03	51	<100	144	<5	<5	<0.01	<10	<3	<100	<2	3	<10	10	155
239069	1294	0.047	<1	0.07	<2	61	10	<2	<1	0.13	11	<1	41	73	0.48	0.04	2	0.03	<100	9	0.03	71	<100	8	<5	<5	<0.01	<10	4	<100	<2	3	12	3	1167

PROCEDURE CODES: ALP1, ALFA1, ALAR1

Certified By: 
J. Moore, General Manager

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Monday, November 28, 2011

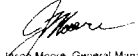
Certificate of Analysis

Bending Lake Iron Group
201 Hardisty Street
Thunder Bay, ON, CAN
P7C 3G9
Ph#: (807) 285-5364
Email: georaoul@gmail.com

Date Received: 09/28/2011
Date Completed: 10/17/2011
Job #: 201143558
Reference:
Sample #: 47

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
239070	1295	0.869	11	0.10	5	56	11	<2	10	0.10	11	14	61	651	2.34	0.07	2	0.02	<100	15	0.04	105	<100	264	<5	<5	<0.01	<10	3	<100	<2	5	15	3	1279
239071D	1295	0.928	8	0.10	5	58	11	<2	11	0.10	11	14	65	660	2.39	0.07	2	0.02	<100	16	0.04	113	<100	267	<5	<5	<0.01	<10	3	<100	<2	5	15	3	1295
239072	1296	0.244	<1	0.14	<2	54	39	<2	<1	0.12	8	<1	52	14	1.29	0.14	3	0.01	116	14	0.04	90	<100	274	<5	<5	<0.01	<10	<3	<100	6	4	15	5	1559
239073	1297	0.011	<1	0.19	<2	55	41	<2	1	0.18	<4	<1	58	6	0.96	0.15	4	0.02	102	15	0.07	105	<100	39	<5	<5	<0.01	<10	<3	<100	<2	4	<10	8	32
239074	1298	0.009	<1	0.35	<2	60	79	<2	<1	0.40	<4	<1	26	6	1.52	0.27	5	0.09	245	10	0.11	42	<100	13	<5	<5	0.01	<10	10	209	10	2	<10	23	79
239075	1299	0.023	<1	0.28	<2	59	72	<2	<1	0.26	<4	<1	46	5	1.20	0.24	5	0.04	150	13	0.07	74	<100	30	<5	<5	<0.01	<10	6	<100	7	4	<10	12	98
239076	1300	12.240	5	0.25	<2	56	62	<2	<1	0.46	20	<1	40	194	1.12	0.22	4	0.09	167	11	0.04	63	<100	2037	<5	<5	<0.01	<10	15	<100	2	3	33	15	2955
239077	21652	0.017	<1	0.14	<2	61	30	<2	<1	0.53	<4	<1	35	5	0.93	0.12	3	0.10	178	7	0.04	41	<100	28	<5	<5	<0.01	<10	15	<100	<2	2	<10	7	70
239078	21653	0.017	<1	0.33	<2	61	86	<2	1	0.67	<4	<1	21	13	1.44	0.32	4	0.14	343	7	0.05	26	<100	39	<5	<5	0.01	<10	18	<100	<2	<2	<10	18	216
239079	21654	0.117	<1	0.40	<2	56	85	<2	<1	0.58	<4	<1	34	10	1.21	0.34	4	0.13	238	9	0.07	45	<100	19	<5	<5	0.01	<10	16	<100	<2	2	<10	16	105
239080	21655	0.009	<1	1.31	8	55	34	<2	<1	0.03	<4	1	45	22	3.39	0.25	12	0.31	223	16	0.05	76	<100	13	<5	<5	<0.01	<10	<3	116	<2	4	<10	12	76
239081	21656	0.007	<1	2.15	4	53	40	<2	<1	0.02	<4	2	22	15	4.75	0.35	18	0.54	326	13	0.06	38	<100	14	<5	<5	0.01	<10	<3	163	<2	4	<10	15	112
239082D	21656	0.006	<1	2.17	2	50	41	<2	<1	0.02	<4	<1	23	15	4.76	0.36	18	0.54	325	12	0.07	41	<100	14	<5	<5	0.01	<10	<3	156	<2	5	<10	15	111
239083	21657	<0.005	<1	0.13	4	50	10	<2	<1	<0.01	<4	<1	76	3	0.90	0.07	2	0.01	<100	17	0.03	126	<100	4	<5	<5	<0.01	<10	<3	<100	<2	5	<10	2	17
239084	21658	<0.005	<1	0.60	13	50	20	<2	<1	<0.01	<4	<1	24	8	1.35	0.23	3	0.11	<100	8	0.03	38	<100	28	<5	<5	<0.01	<10	<3	<100	4	2	<10	8	124
239085	21659	0.568	35	0.28	4256	54	11	<2	29	<0.01	243	29	20	3543	4.67	0.11	2	0.03	<100	14	0.03	39	<100	1083	6	48	0.01	<10	<3	<100	<2	3	1198	5	101428
239086	21660	0.077	11	0.68	667	57	23	<2	3	0.02	22	7	24	2321	3.27	0.27	3	0.11	108	12	0.03	47	<100	177	<5	6	0.01	<10	<3	<100	<2	3	92	10	8245
239087	21661	0.075	7	0.77	290	47	20	<2	2	0.03	50	5	22	1248	3.02	0.19	5	0.19	187	9	0.03	38	<100	113	<5	6	<0.01	<10	<3	<100	<2	3	216	7	21744
239088	21662	0.052	2	0.29	95	51	33	<2	1	<0.01	<4	<1	19	32	3.25	0.25	1	<0.01	<100	10	0.03	31	<100	277	<5	<5	<0.01	<10	<3	<100	<2	3	<10	5	357
239089	21663	0.246	21	0.13	32	55	6	<2	20	<0.01	237	24	19	2224	1.64	0.07	1	<0.01	<100	7	0.02	26	<100	2109	<5	20	<0.01	<10	<3	<100	<2	2	796	2	75041

PROCEDURE CODES: ALP1, ALFA1, ALAR1

Certified By: 
Jason Moore, General Manager

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Monday, November 28, 2011


Certificate of Analysis

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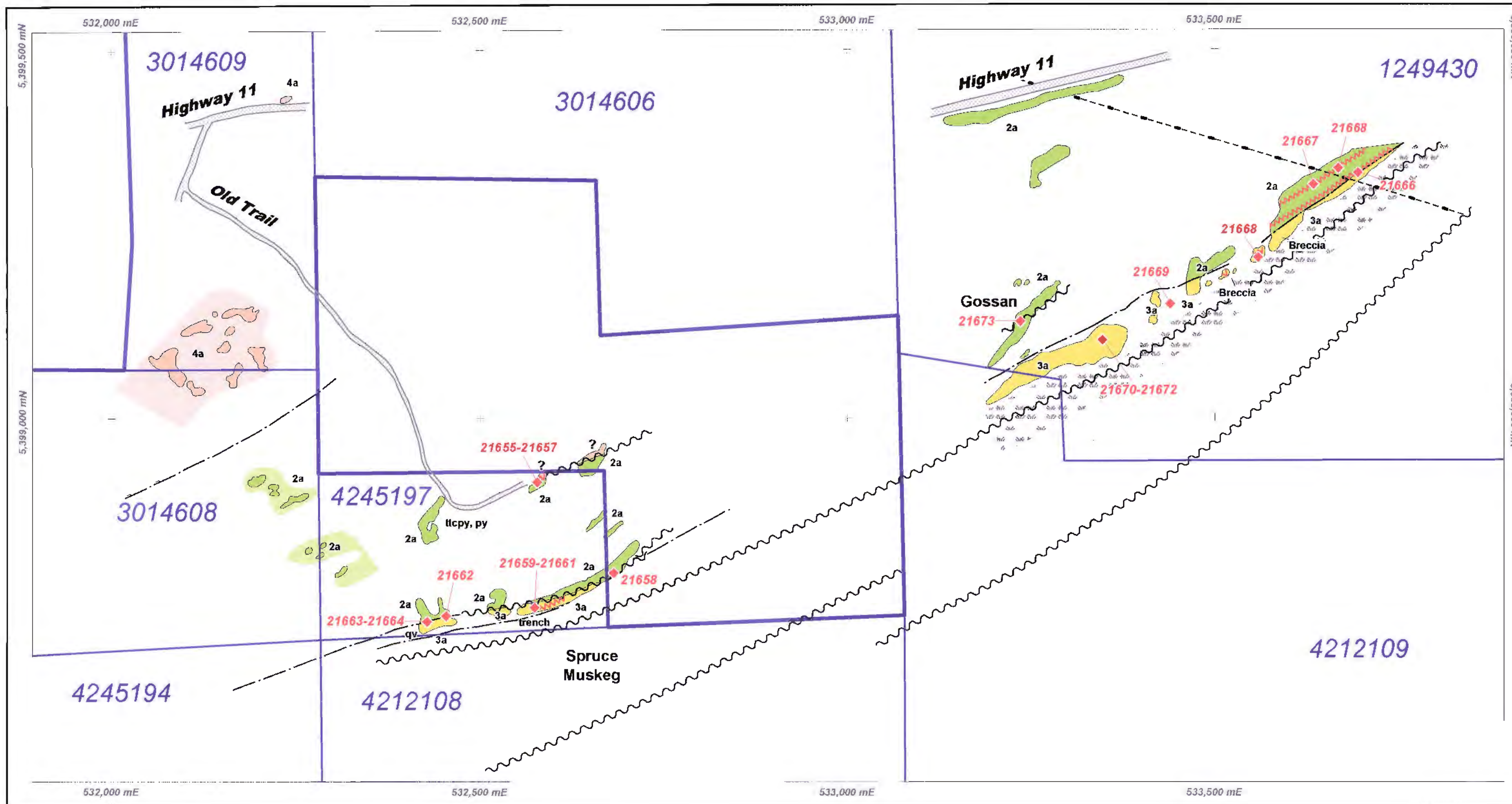
Date Received: 09/28/2011
Date Completed: 10/17/2011
Job #: 201143558
Reference:
Sample #: 47

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
239090	21664	0.033	2	0.34	22	50	25	<2	3	<0.01	<4	<1	24	38	1.29	0.19	2	0.03	<100	9	0.04	40	<100	368	<5	<5	<0.01	<10	<3	<100	<2	2	<10	6	834
239091	21665	0.224	5	0.45	113	49	28	<2	1	<0.01	6	<1	22	170	2.67	0.18	3	0.05	<100	8	0.04	39	<100	4484	<5	<5	<0.01	<10	<3	<100	<2	3	14	5	1339
239092	21666	0.033	<1	0.28	82	59	27	<2	2	0.02	<4	2	65	75	1.80	0.10	3	0.04	<100	16	0.04	118	<100	318	<5	<5	<0.01	<10	<3	<100	<2	7	<10	3	496
239093D	21666	0.033	<1	0.28	80	52	27	<2	<1	0.02	<4	2	64	74	1.80	0.10	3	0.04	<100	16	0.04	119	<100	296	<5	<5	<0.01	<10	<3	<100	<2	7	<10	3	486
239094	21667	0.033	<1	0.47	50	48	42	<2	2	<0.01	<4	<1	31	9	2.03	0.25	2	0.02	<100	11	0.05	53	<100	227	<5	<5	<0.01	<10	3	<100	<2	3	<10	8	180
239095	21668	<0.005	<1	1.16	2	50	24	<2	3	0.01	<4	2	27	22	2.98	0.08	8	0.40	381	27	0.03	47	<100	22	<5	<5	<0.01	<10	<3	<100	<2	7	<10	6	78
239096	21669	0.047	<1	0.18	37	28	21	<2	<1	<0.01	<4	1	20	21	1.54	0.11	1	0.01	<100	8	0.02	34	<100	94	<5	<5	0.02	<10	<3	<100	<2	3	<10	4	213
239097	21670	0.027	1	0.39	30	51	45	<2	<1	<0.01	6	2	37	41	1.43	0.25	2	0.01	<100	12	0.05	68	<100	50	<5	<5	<0.01	<10	<3	<100	<2	3	20	6	1796
239098	21671	0.159	3	0.20	172	57	26	<2	2	<0.01	15	9	22	249	4.85	0.13	2	<0.01	<100	11	0.03	37	<100	164	<5	<5	<0.01	<10	<3	<100	<2	3	47	4	4216
239099	21672	0.038	4	0.23	30	54	31	<2	2	<0.01	14	2	23	223	1.05	0.14	1	0.01	<100	8	0.02	36	<100	313	<5	<5	<0.01	<10	<3	<100	<2	2	49	4	4692
239100	21673	0.007	1	0.24	31	55	21	<2	<1	<0.01	<4	<1	18	5	0.78	0.17	2	<0.01	<100	6	0.03	27	<100	27	<5	<5	<0.01	<10	<3	<100	<2	2	<10	5	73

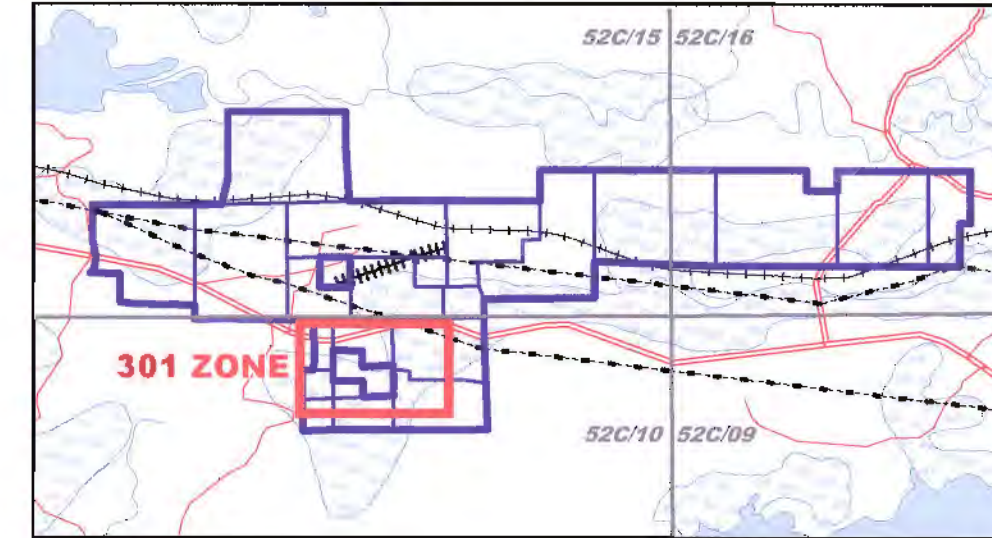
PROCEDURE CODES: ALP1, ALFA1, ALAR1

Certified By: 
Joseph Moore, General Manager

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Turtle Tank Project, Ontario

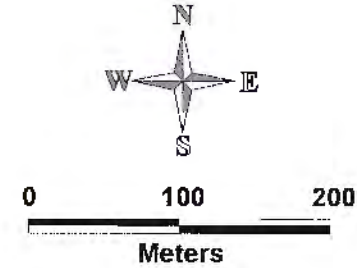


LEGEND: 301 ZONE

- Turtle Tank Property
- Sample
- Contact Boundary
- Quartz Veinlets
- Powerline
- Swamp/Marsh
- Shear

Outcrop (Geology)

- (1) BASALT
 - 1a Flow
 - 1b Pillowed
 - 1c Porphyritic
 - (2) ANDESITE
 - 2a Flow
 - 2b Lapilli, tuff
 - 2c Pillowed
 - 2d Flow breccia
 - (3) RHYOLITE
 - 3a Flow
 - 3b Lapilli
 - 3c Tuff
 - 3d Flow breccia
 - (4) SEDIMENTS
 - 4a Seline conglomerate
 - 4b Greywacke
- e sericitic
f chloritic
g garnets
h ankerite
i silicified



Scale: 1:5,000

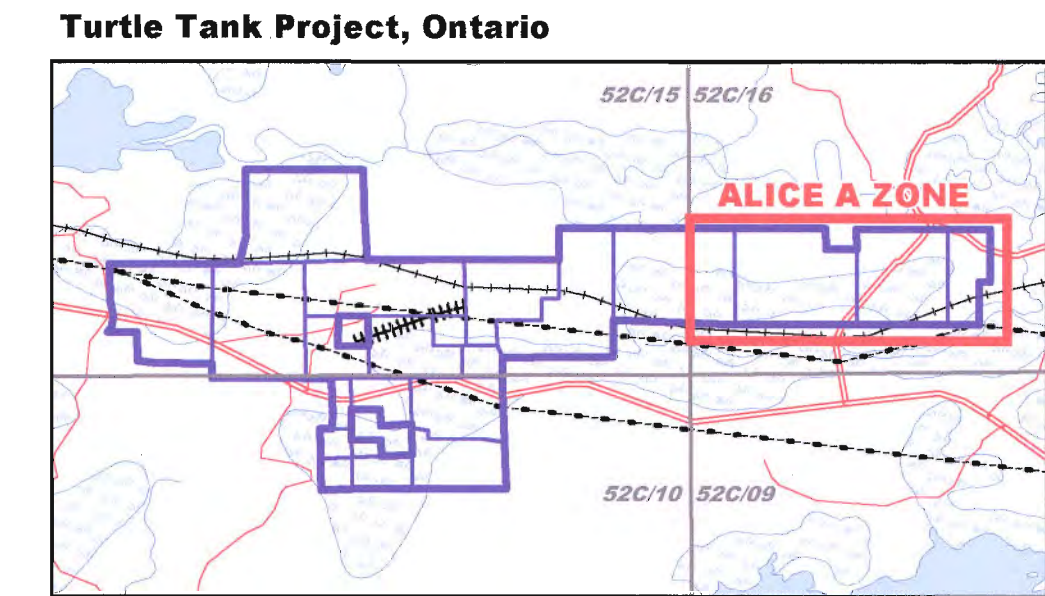
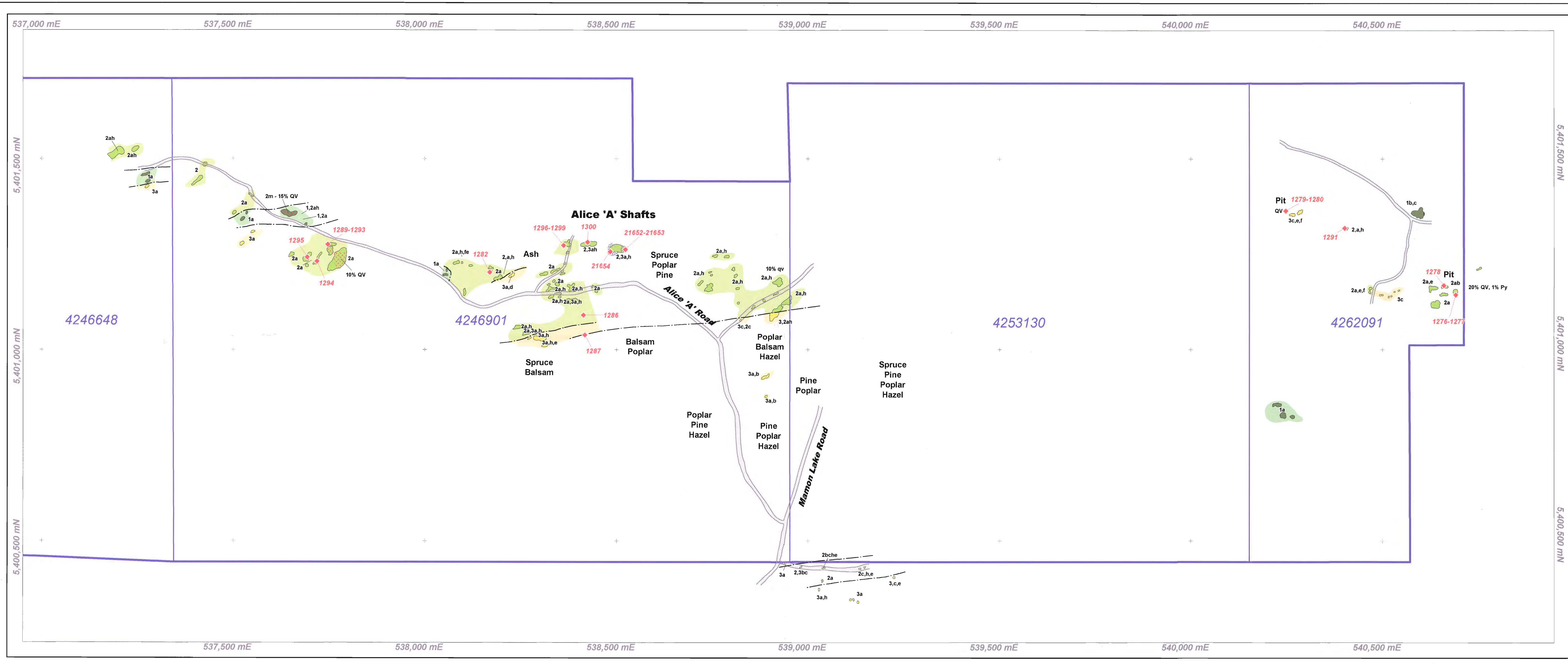
PATHFINDER GOLD INC.

TURTLE TANK PROPERTY, ONTARIO
NTS 52C/10

301 ZONE
GEOLOGY & SAMPLING

Mapping by: Jack A. Bolen, PGeo Assisted by: Bill Bone

DATE:	2012 January 09	NTS:	52C/10
SCALE:	1:5,000	DRAWN BY:	www.zone14.com
DATUM:	NAD 83, Zone 15	DATA:	A. Raoul
FILE NAME:	turtle tank_jan2012.wor		



- LEGEND: ALICE A ZONE**
- Turtle Tank Property
 - Sample
 - Contact Boundary
 - Quartz
- Outcrop (Geology)**
- (1) BASALT
 - 1a Flow
 - 1b Pillowed
 - 1c Porphyritic
 - (2) ANDESITE
 - 2a Flow
 - 2b Lapilli, tuff
 - 2c Pillowed
 - 2d Flow breccia
 - (3) RHYOLITE
 - 3a Flow
 - 3b Lapilli
 - 3c Tuff
 - 3d Flow breccia
 - (4) SEDIMENTS
 - 4a Siltstone conglomerate
 - 4b Greywacke
- Scale: 1:5,000**

PATHFINDER GOLD INC.

**TURTLE TANK PROPERTY, ONTARIO
NTS 52C/16**

**ALICE A ZONE
GEOLOGY & SAMPLING**

Mapping by: Jack A. Bolen, PGeo Assisted by: Bill Bone

DATE:	2012 January 09	NTS:	52C/16
SCALE:	1:5,000	DRAWN BY:	www.zone14.com
DATUM:	NAD 83, Zone 15	DATA:	A. Raoul
FILE NAME:	turtle tank_jan2012.wor		