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Prospecting Report on the Turtle Tank Property: A Zone and B Zone

For

Pathfinder Gold Inc.

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Field Geologist
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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 Turtle Tank A Zone and B Zone. They were mapped (at 1:300) and channel sampled by this author. Three BQ-holes were drilled on these two zones to test mineralization at depth.

Mapping located east-north-east trending (070-075°) units of strained to sheared mafic volcanics with minor felsic volcanics that have undergone weak to moderate ankerite +/- calcite alteration and three or four quartz depositional events that may or may not be gold bearing.

A preliminary channel sampling program was completed. The B Zone sampling was conducted over a 32.30m length at azimuth 160°. The A Zone was conducted over two sections, due to outcrop exposure, of a 16.65m length at azimuth 165°. The results are:

B Zone Channelling	0.19 gpt Au over 0.99m, 0.63 gpt Au over 2.15m, 0.11 gpt Au over 1.04m, 0.16 gpt Au over 2.17m, 4 elevated Cu (280-495 ppm), 1 elevated Ni (519 ppm),
A Zone Channelling	0.40 gpt Au over 1.02m,

A small drill program was completed by Eric Mosley Drilling (777626 Ontario Ltd). Two BQ holes (81.22m) were completed on the B Zone and one BQ hole (31.15m) on the A Zone. The results are:

Hole TT10-1 (B Zone)	2.65 gpt Au over 1.00m, 0.11 gpt Au over 0.64m, 0.15 gpt Au over 0.67m 3 elevated Cu (204-1326 ppm), 2 elevated Ni (207-227 ppm), 3 elevated Zn (208-272 ppm)
Hole TT10-2 (B Zone)	1.51 gpt Au over 0.80m, 0.24 gpt Au over 1.80m, 0.41 gpt Au over 1.08m, 4 elevated Cu (262-783 ppm)
Hole TT10-3 (A Zone)	0.22 gpt Au over 0.53m, 2 elevated Cu (234-317ppm),

The preliminary sampling program of the Turtle Tank Gold property yielded elevated (>100 ppb) to anomalous (>1 gpt) gold values during this investigation. Further work is needed to better define the historical gold assays versus those encountered in this study and to investigate of the other known showings (Gold Bug, Alice A and Pidgeon) to define the mineral potential of the property.

Introduction

The Turtle Tank Gold property consists of four known gold occurrences (Turtle Tank A Zone, Turtle Tank B Zone, Gold Bug and Alice A) with highly anomalous gold values and a base metal occurrence (Pidgeon Pb-Zn-Cu-Ag). The Mine Centre area is known to host similar styles of mineralization, such as the Olive Mine, that have high-grade gold values (>10 gpt Au). This area represents a strong target area for gold mineralization.

Claims and Locations

All 18 staked mining claims, consisting of 114 units, were held by Ray Cousineau (and family) of Fort Frances, Ontario. An option agreement was reached in October of 2010 between the related Cousineau and Desjardins families of Fort Frances and Pathfinder Gold Inc. of Thunder Bay. The following mining claims were optioned:

Table 1:Mining Claim status and optioned to Pathfinder Gold Inc.

AREA	CLAIM NUMBER	RECORDING DATE	CLAIM DUE DATE	WORK REQUIRED	TOTAL APPLIED	TOTAL RESERVE	CLAIM BANK
BAD VERMILION LAKE AREA	1249430	2002-Jan-17	2011-Jan-17	$2,800	$19,600	$0	$0
BAD VERMILION LAKE AREA	3014606	2003-Dec-18	2011-Dec-18	$1,200	$7,200	$0	$0
BAD VERMILION LAKE AREA	3014608	2003-May-02	2011-May-02	$400	$2,400	$0	$0
BAD VERMILION LAKE AREA	3014609	2003-May-02	2011-May-02	$800	$4,800	$0	$0
BAD VERMILION LAKE AREA	4206109	2006-Dec-22	2010-Dec-22	$1,600	$3,200	$0	$0
BAD VERMILION LAKE AREA	4212108	2006-Jul-17	2011-Jul-17	$800	$2,400	$0	$0
BAD VERMILION LAKE AREA	4212109	2006-Jul-17	2011-Jul-17	$2,400	$7,200	$0	$0
BENNETT LAKE AREA	3014621	2006-Jan-11	2011-Jan-11	$4,800	$14,400	$0	$0
BENNETT LAKE AREA	3014622	2006-Jan-11	2011-Jan-11	$5,200	$15,600	$0	$0
LITTLE TURTLE LAKE AREA	1249401	2002-Jan-17	2011-Jan-17	$4,800	$33,600	$2,020	$0
LITTLE TURTLE LAKE AREA	1249402	2002-Jan-17	2011-Jan-17	$4,800	$33,600	$0	$0
LITTLE TURTLE LAKE AREA	1249421	2002-Jan-17	2011-Jan-17	$4,800	$33,600	$0	$0
LITTLE TURTLE LAKE AREA	3014610	2003-May-02	2011-May-02	$800	$4,800	$0	$0
LITTLE TURTLE LAKE AREA	3014620	2005-Dec-19	2011-Dec-19	$400	$1,600	$0	$0
LITTLE TURTLE LAKE AREA	4209703	2006-Feb-07	2011-Feb-07	$1,200	$3,600	$0	$0
LITTLE TURTLE LAKE AREA	4209704	2006-Feb-07	2011-Feb-07	$2,000	$6,000	$0	$0

LITTLE TURTLE LAKE AREA	4209705	2006-Feb-07	2011-Feb-07	$4,000	$12,000	$0	$0
LITTLE TURTLE LAKE AREA	4245199	2010-Mar-05	2012-Mar-05	$2,800	$0	$0	$0

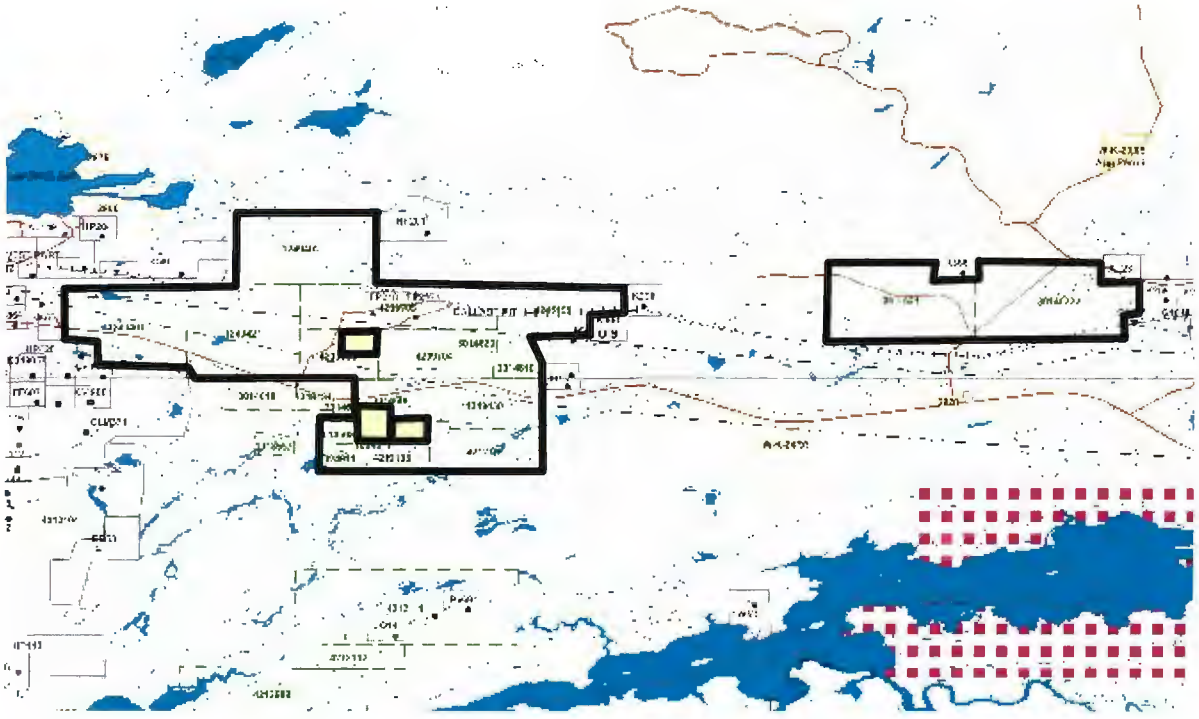


Figure 1A: Mining Claims Optioned By Pathfinder Gold Inc. on the Turtle Tank Property (outlined) (Claims Map III, MNDMF, Dec.15, 2010)

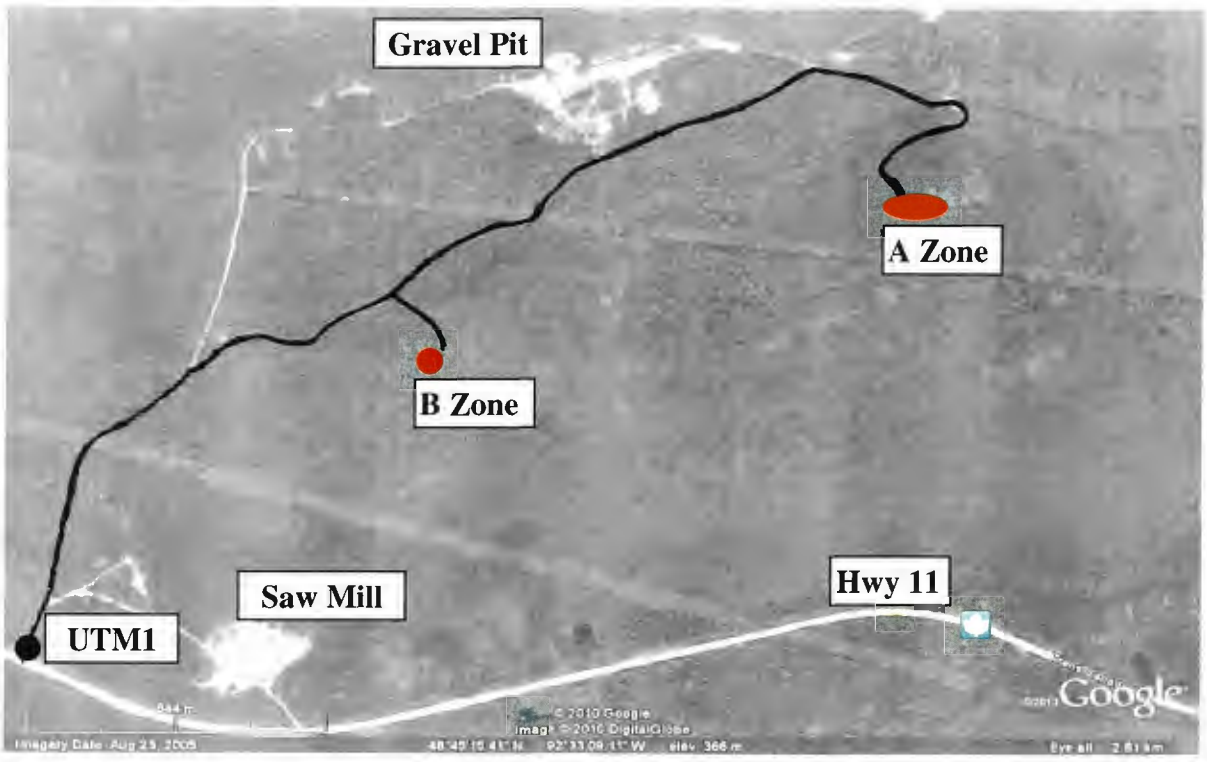


Figure 1B: Google Earth location of Turtle Tank A and B Zones (August, 2005)

The property is located 74km east of Fort Frances, Ontario. Highway 11 crosses the property and it can be accessed by a well-travelled, un-named, gravel road (UTM1 5399602N, 531629E, NAD83). The B Zone is accessed by travelling 800m north on the gravel road, then turn right for 500m to a side access road, turn right again for 200m to the gold occurrence (UTM 5400263N, 533532E, NAD83). The A Zone is located by travelling an additional 1300m north to the railway tracks, east for 700m, then southwest along a side access road for 650m to the gold occurrence (UTM 5400651N, 533554E, NAD83).

Historical Work

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

Table 2: Assessment Files over the Turtle tank Area (Kenora Assessment Files, MNDMF)

File No.	Work	Results
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 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. .
52C15SE C-1 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
52C15SE M-1 & M-2 Hanna Mines 1975-76	Mapping, geophysical surveys, 3 drill holes	Alice A 2 holes drilled in NE corner for base metals tested located felsic units (rhyolite) but no significant assays located. Pidgeon 1 hole intersected... 0.83% Zn over 0.75m, 0.70% Zn over 1.1m, 0.44% Zn over 3.6m, 0.15% Zn over 15m.
52C15SE Q-1 Ed-Vic Expl. 1976	Prospecting, stripping and 5 drill holes	Turtle Tank - B-Zone sampling and semi-continuous stripping over 200m x 150m @ 030° with dozer. Drill hole results (on K412754): B –1 – elevated Ag, Cu, Zn B – 2 – elevated Zn B – 3 – nil B – 4 – nil B – 5 – 0.6 gpt Au, 34.8 gpt Ag and 3.62% Cu.

File No.	Work	Results
OGS 1980	Airborne Mag-EM by Questor Surveys	Detailed survey of area for Atikokan-Mine Centre Area.
MDC 29 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	Stripping	Turtle Tank – stripped 3 areas by B-Zone Claim 1050509 – stripped by shaft
52C15SE HH-1 L. Cousineau 1988	2 test pits	Turtle Tank - Pits 1 and 2 blasted in the A Zone but no assays.
52C15SE LL-1 Goldfields Can. Mining Ltd 1989	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 075° but no EM response. Turtle Tank B Zone – altered and foliated, northwest trending, felsic volcanic with quartz stringers and chalcopyrite mineralization with visible gold. Pidgeon – Zn-Cu-Pb mineralization with magnetic conglomerate unit (mill rock?); near felsic contact but no EM signature.
52C15SE NN-1 INCO 1990-93	Airborne Mag-EM (370km), IP (15 km), limited sampling, 2 ddh holes (727m).	Zone A – 20m shear @ 080° 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 is associated with quartz with best assays of: 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 @ 000° (K1050642) Trench 2 – 70m x 20m @ 075° (K1050578)

		Trench 3 – 20m x 10m @ 000° (K1050741) Trench 4 – 70m x 10m @ 075° (K1050574) Trench 5 – 30m x 10m @ 340° (K1050815) Trench 6 – 45m x 25m @ 000° (K1050642)
52C15SE PP-1 Cousineau, Louis & Edward 1993	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 +/- chalcopyrite-pyrite with assays to 7.82 gpt Au. New pits 51, 52, 53.
Prospector Private Notes C. Kuryliw 1994	Geological review	Zone B – A recommendation for 2 drill holes at 330° across zones to test for Au and Cu mineralization was never completed.
C. Blackburn 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.
52C15SE PP-2 Cousineau, Louis & Edward 1995	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
52C15SE PP-3 Cousineau Louis & Edward 1995		Prospected cut-over area to east of Zone A. Located greenstone, gabbro and rhyolite but no significant Au results.
52C15SE PP-4 Cousineau Louis & Ray, & K.Desjardins 1995	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.
52C15SE PP-5 Cousineau Louis & Edward / Nuinsco	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

1995 - 96		and 1.5% Pb. 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 highly anomalous Au values of 1.50 gpt and 1.18 gpt. NTT9609 – 0.82 gpt Au @ 0.39m.
52C15SE PP-6 Cousineau Louis & Ray 1995	Prospecting, Stripping And Sampling (OPAP)	Prospected cut-over area to east of Zone A but no significant results. A Zone – 30m wide shear @ 80° 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
MDC29 OGS 2000	Property Summaries	Gold Bug – quartz stringers with galena-chalcopyrite-pyrite-gold in foliated felsic rocks. 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	No work was undertaken on the property during the time period that its option was in effect.
OGS Map 82464, 2009	Airborne Mag-EM By Areoquest (1:50K).	Detailed survey of area for Atikokan-Mine Centre Area. Analysis by author within Geophysics Section of this report.

MDC 29 – Mineral Deposit Circular 29 (OGS 2000)

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 070°.

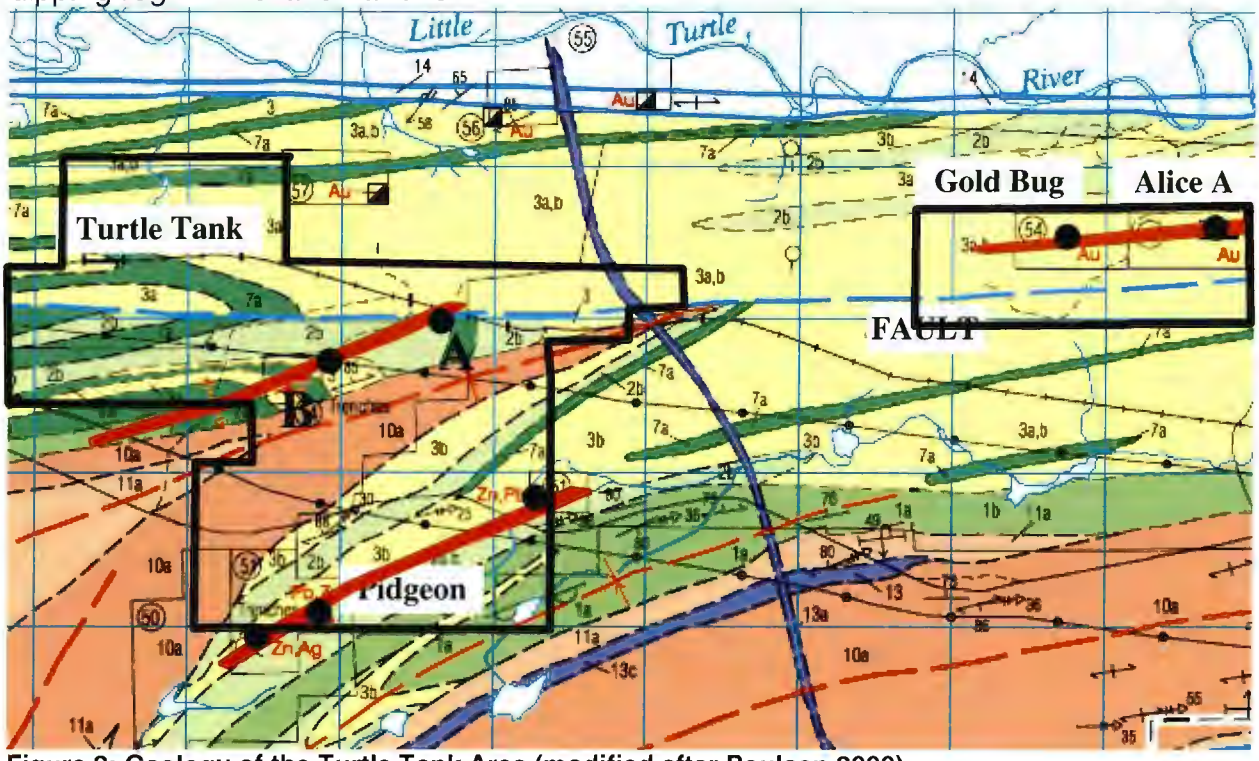


Figure 2: Geology of the Turtle Tank Area (modified after Poulsen 2000)

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 near the Turtle Tank A and B Zones as well as the Pidgeon Base Metal Trend. North of the east-trending fault, the stratigraphy follows an east-west foliation near the Gold Bug and Alice A.

Mineral Occurrences

The following historical gold occurrences were identified and descriptions modified by this author based upon 2010 field mapping:

1) Turtle Tank – A Zone

- Goldfields (1989) completed airborne geophysical interpretation that defined the A Zone as large, east-west trending gabbro dikes intersecting foliated felsic volcanics at 075° but no EM response. New mapping located pristine, south facing, pillow basalts along the 230 meter stripped exposure.
- Inco (1993) defined a 20m wide shear @ 080° with chlorite-iron carbonate-silica alteration +/- 10% pyrite. Gold is associated with silicification with best assay of 5.06 gpt Au over 3.5m. New mapping defined the shear zone that is trending 070° with chlorite-iron carbonate alteration with 1-3% quartz veins and trace-2% pyrite in a 10m wide shear that increases to 20m at the west end of the exposure.
- Prospecting by Cousineau's (1993) located quartz stockwork in >1m shear with visible gold and an assay of 531 gpt Au. This author did not see any "quartz stockwork" but did locate isolated quartz veins (~3cm), trending 045°, where this high-grade assay was achieved within the blast pit in the 20m wide shear zone. The new channel sampling (group A1) was designed to intersect some of these high- grade quartz and gold veins.
- Trenching by Cousineau's (1995 OPAP) located three high gold values. Mini-trench 21 yielded 531 gpt Au / 20cm, Mini-trench 23 yielded 17 gpt Au / 30cm and 19 gpt / 30cm. Work in 1993 and 1995 both state an assay of 531 gpt for the same location so this may be a duplicate result. Note that the same 3cm quartz veins passes through both of these mini-trenches and may be responsible for all the gold values.
- Nuinsco (1995) located 23 gpt Au in 23% Py-bearing cherty bed (recrystallized quartz) from surface sampling. The drill results were:
  NTT9606 - intersected 0.28 gpt Au and 0.07% Cu @ 21.80m with highly anomalous Au values of 1.50 gpt and 1.18 gpt.
  NTT9609 – intersected 0.82 gpt Au @ 0.39m.
- Mapping by this author recorded 4 stages of quartz development:
  1) 1st stage quartz are milky white, 0.5-5cm wide and subparallel to the shear at 070°.
  2) 2nd stage quartz are 2-4cm wide, translucent, long and continuous, and trend at 045°; they may be gold bearing based upon trenches 21 & 23.
  3) 3rd stage quartz are white, 1-2cm wide and trend 090-100°.
  4) a possible 4th stage may be represent by large (<30cm wide), white to reddish, milky quartz veins +/- hematite stains, that are sigmoidal and can be traced over 10m on the east end of this zone.
- Mapping located good glacial striations and glacial rock polishing at 060° on the east end of this exposure.

LEGEND

- 3 Quartz Event
- 1b Altered Mafic Flows +/- Tuffs (Basalt)
- 1a Unaltered Mafic Flows +/- Tuffs (Basalt)

Pathfinder Gold Inc.

TURTLE TANK GOLD PROJECT, Ontario
(Mine Centre)

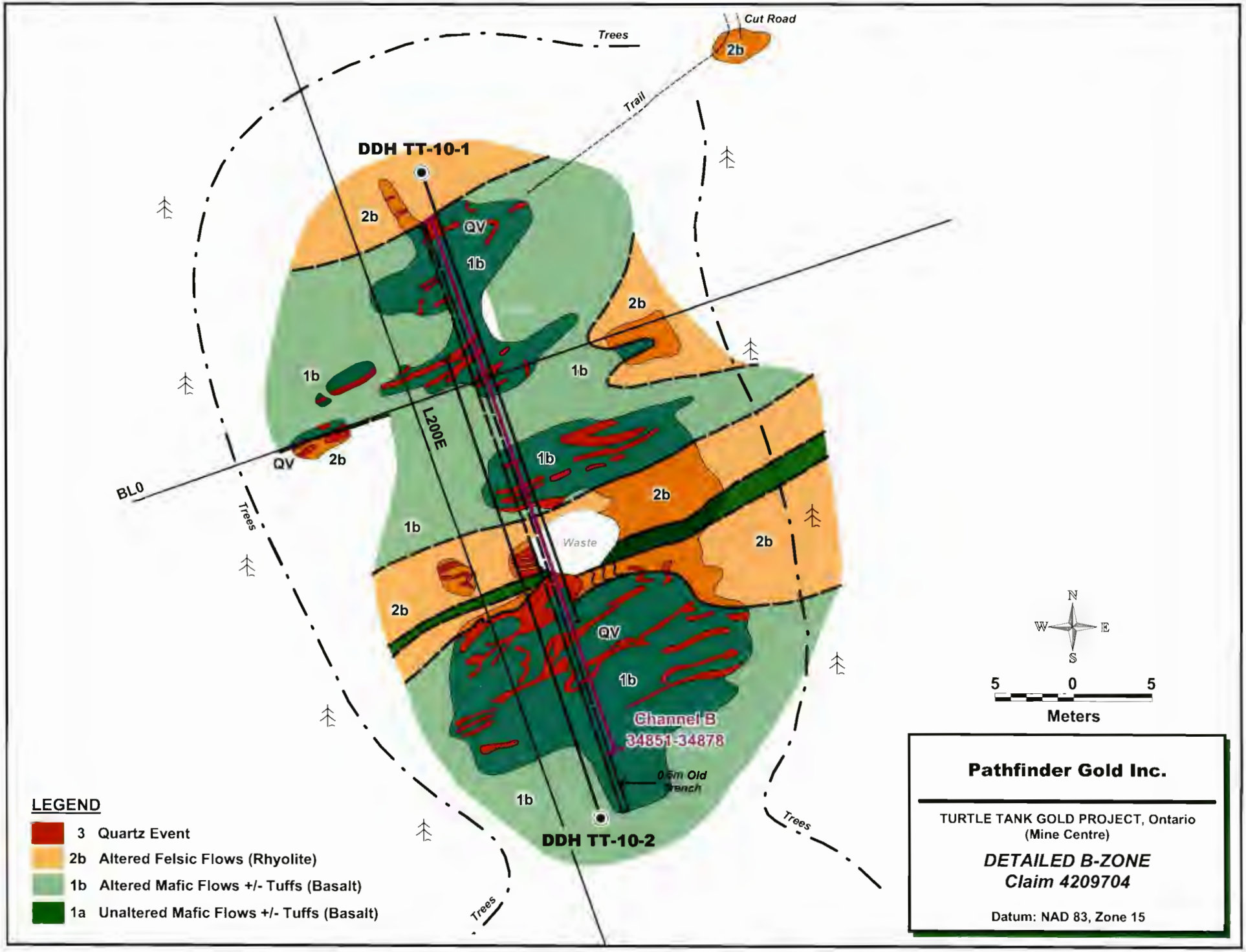
DETAILED A-ZONE
Claim 4209705

Datum: NAD 83, Zone 15

Workspace: Turtle Tank_Jan2011.wor

2) Turtle Tank – B Zone

- Northgate (1970) stripped a 55m wide area revealing rhyolite dikes with quartz-carbonate stringers with chalcopyrite +/- sphalerite-galena, that were traced over 900m along strike. Trench 12 has chalcopyrite-pyrite in quartz veins with assays > 1 opt Au. They drilled 4 holes on western boundary of mafic volcanic and felsic volcanic with pyrite-chalcopyrite but produced no significant assays.
- Ed-Vic Exploration (1976) did semi-continuous stripping over 200m x 150m @ 030° with dozer but much of this has grown in now. They drilled 5 holes but only hole B5 intersected anomalous assays of 0.6 gpt Au, 34.8 gpt Ag and 3.62% Cu.
- Goldfields (1989) completed airborne geophysical interpretation that defined the B Zone as altered and foliated, northwest trending, felsic volcanic with quartz stringers and chalcopyrite mineralization with visible gold. New mapping located east-north-east trending, interbedded mafic flows +/- minor tuffs with felsic flows with weak to intense quartz flooding over 3 separate parallel (070°+/- 5°) events but with different dip orientations. The timing of these events is this author's best estimates based upon field observations. The events are:
    1. 1st quartz event at 070° trend and 090° dip
    2. 2nd quartz event at 070° trend and 045-060° south dip
    3. 3rd quartz event at 070° trend and 045° north dip
- Prospecting by Cousineau's (1993) yielded some high Au values to 7.82 gpt and 3 news pits (Pit 51, 52 and 53).
- Inco (1993) defined a <15m folded & deformed, mafic unit with intense iron carbonate and veins/pods of quartz +/- 5% chalcopyrite. Gold is associated with quartz with best assay of 13.2 gpt Au over 2.5m. These completed 6 trenches nearby but no assays given.
- Trenching by Cousineau's (1995 OPAP) yielded many high Au values (17) from 6 – 255 gpt Au but over thin widths (3-15cm) in Pits 56, 60, 61, 64 and 65.
- Nuinsco (1996) mapped the B-Zone locating "asymmetric folding of the mafic tuff unit which hosts the bulk of the quartz-carbonate veining and mineralization. Larger veins and many of the stringers parallel foliation, and are associated with narrow, sub-parallel zones of shearing, developed adjacent to the long limbs of parasitic drag folds along the contact of the mafic tuff and the rhyolite. This author believes this genesis to be correct however, the mafic tuff unit is dominantly mafic flows with very minor interbedded mafic tuffs. The best assays were:
- Trenching by Cousineau's (1996 OPAP) located a 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 with assays of 1.6 – 226 gpt Au. Added new pits 64 –68 with assays of 2.5 – 47 gpt Au.



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3) Gold Bug
- Poulsen (OGS 2000) located quartz stringers with galena-chalcopyrite-pyrite-gold in foliated felsic rocks with no known assays.

4) Alice A
- American Can Gold Mining Company (1894-99) sunk Shaft 1 to 29m, and Shaft 2 to 21m. Approximately 150-200 tons were processed using the on-site mill. A 10-ton sample in 1899 yielded 17 gpt Au.
- Prospector Pitkanen (1974) completed stripping and trenching but results unknown.
- Hanna Mines (1975-76) completed mapping and geophysical surveys along with 2 drill holes for base metals, to the northwest, but no significant assays located.
- Nuinsco (1995) located 6 samples with gold values from 1.67 - 9.41 gpt.
- Poulsen (OGS 2000) located foliated rhyolitic metavolcanic rocks with intense cleavages at 265°, near vertical, with gold bearing veins and inch-wide stringers occur as en echelon arrays and parallel to the foliation. Veins are folded or sigmoidal shape with accessory ankerite, siderite, sphalerite, galena, pyrite and chalcopyrite.

5) Pidgeon
- Kerr Addison Mines (1969) drilled 6 holes with best assay of 0.60m of 2.18% Zn, 0.18% Pb and 0.16 opt Ag.
- Hanna Mines (1975-76) completed mapping and geophysical surveys along with 1 drill holes for base metals that located 0.83% Zn over 0.75m, 0.70% Zn over 1.1m, 0.44% Zn over 3.6m and 0.15% Zn over 15m
- Prospector Armstrong (1989) drilled 1 hole intersecting 1.18% Zn, 0.13% Pb and 0.07% Cu over 2.26m.
- Nuinsco (1995) located 5 anomalous values up to 0.14 gpt Au, 28 gpt Ag, 0.36% Cu, 1.18% Pb and 3.95% Zn.
- Poulsen (OGS 2000) located intercalated intermediate to felsic tuffs with minor lapilli tuff with a steeply dipping, regional foliation at 070°. Sphalerite and galena are exposed on patents P683 and K301 within massive lens with some ankerite in silicified rhyolite. Alteration increases toward mineralized horizon along with sericite and silica alteration of the host rocks.

6) Other Areas on Turtle Tank Property
- Nuinsco (1996) also located the following assays with precise locations to be determined:
  N-Trench – 1.85 gpt Au, 0.19% Cu, 4.14% Zn, 33 gpt Au and 1.5% Pb.
  P claim – 1.34 gpt Au
  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

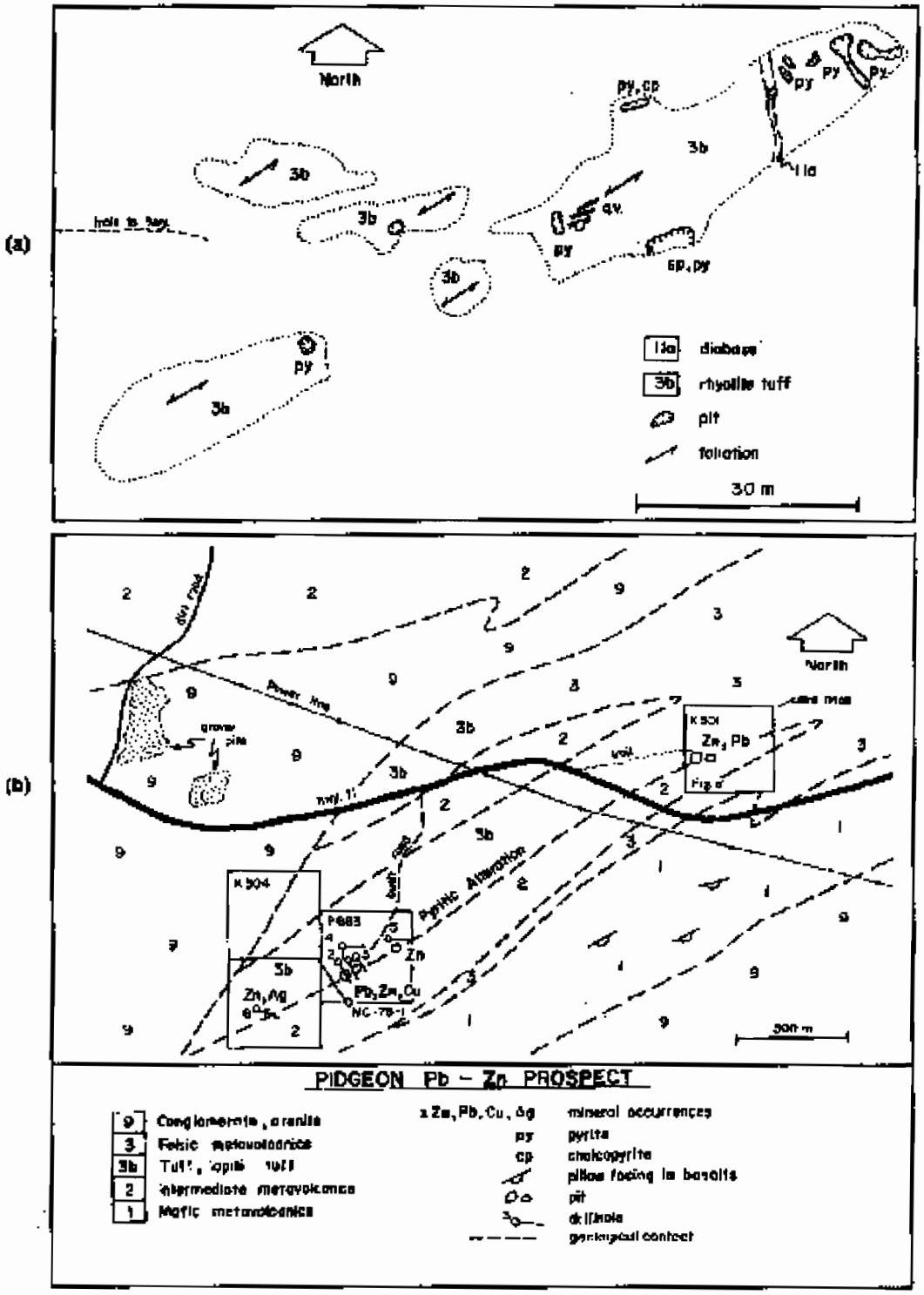


Figure 30. Geology of the Pidgeon property (adapted from Wood et al. 1960b with local new mapping by K.H. Poulsen and G. Lucas of 1985). Other symbols as in Figure 16.

Historical Drilling

There have been six phases of historical drilling in the area. They are:

Table 3: Historical Drilling on the Turtle tank Property

File No.	Work	Results
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. .
52C15SE C-1 Blondeau / Northgate Expl. Ltd 1970	4 drill holes	Turtle Tank - drilled 4 holes on western boundary of mafic volcanic with rhyolite for pyrite-chalcopyrite mineralization producing no significant gold assays.
52C15SE M1 & M-2 Hanna Mines 1975-76	3 drill holes	Alice A 2 holes drilled in NE corner for base metals testing but located felsic units (rhyolite) but no significant assays. Pidgeon 1 hole intersected 0.83% Zn over 0.75m, 0.70% Zn over 1.1m, 0.44% Zn over 3.6m and 0.15% Zn over 15m.
52C15SE Q-1 Ed-Vic Expl. 1976	5 drill holes	Turtle Tank - drill hole results (on K412754) were: B –1 – elevated Ag, Cu, Zn B – 2 – elevated Zn B – 3 – nil B – 4 – nil B – 5 – 0.6 gpt Au, 34.8 gpt Ag and 3.62% Cu.
MDC 29 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.
52C15SE PP-5 Nuinsco 1996	Mapping, 9 ddh holes (826.71m)	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 The A Zone drill results were: NTT9606 - 0.28 gpt Au and 0.07% Cu @ 21.80m with highly anomalous Au values of 1.50 gpt and 1.18 gpt. NTT9609 – 0.82 gpt Au @ 0.39m.

2010 Exploration Program

The focus of this report was the Turtle Tank A Zone and B Zone. The exploration program was complete in the following parts:

- Regional mapping between B Zone and A Zone
- Detailed mapping of B Zone and A Zone
- Channel sampling of B Zone and A Zone
- Three BQ-holes were drilled on these two zones to test mineralization at depth.

A. Geological Mapping

A preliminary mapping program was completed between the B-Zone to the A-Zone at 1:1000. A base-line was cut from 200m west of the B –Zone and extended 1550m east (at 070°) to beyond the A-Zone. This was cut and picketed, at 50m intervals, by prospectors Ray Cousineau and Ken Desjardins of Fort Frances. This author used this survey line to complete his preliminary mapping between the known gold zones (see figure 4).

Mapping located east-north-east trending (070-075°) units of strained to sheared mafic volcanics with minor felsic volcanics that have undergone weak to moderate ankerite +/- calcite alteration and three or four quartz depositional events that may or may not be gold bearing.

The following units were located (from youngest to oldest):

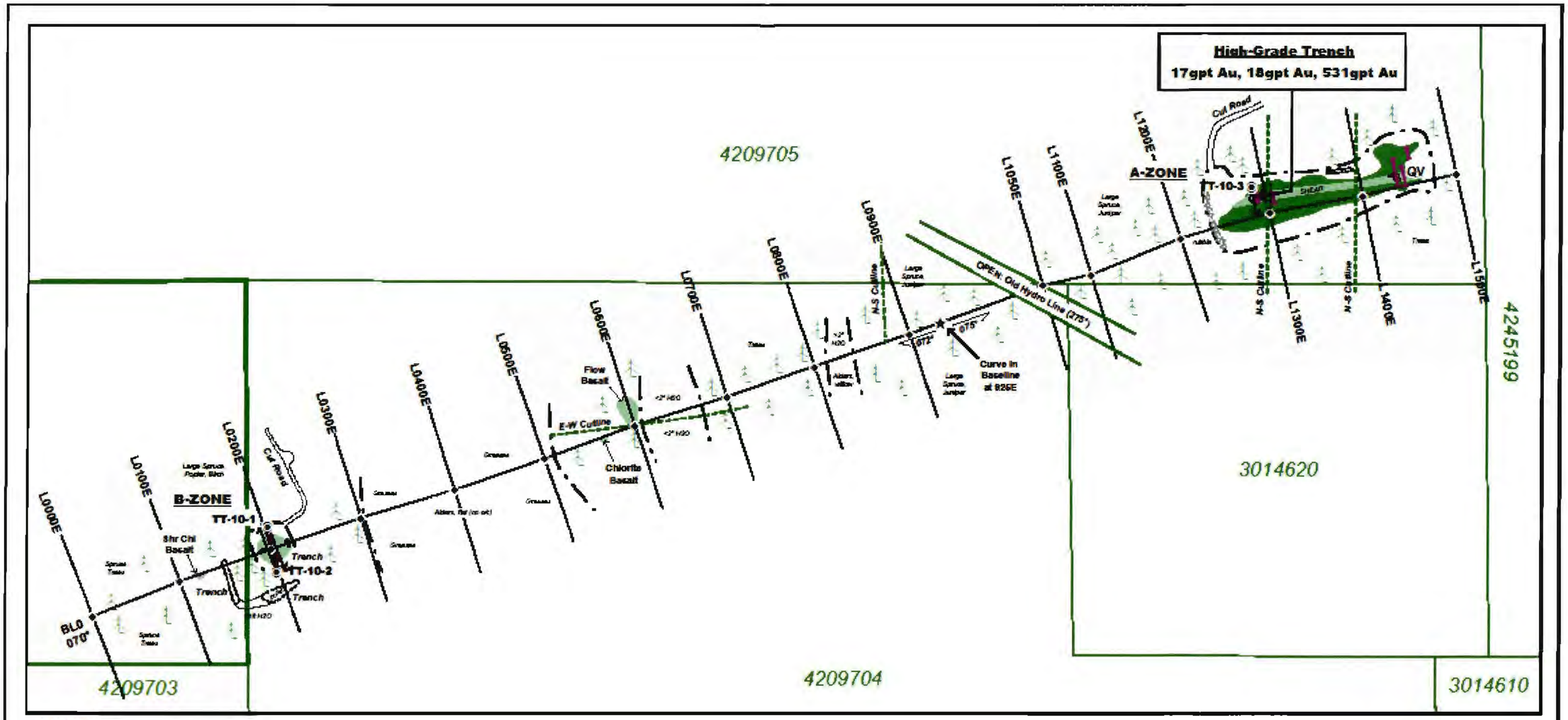
Unit 4: Gabbro
A unit of dikes (<3m) that sub-parallels the regional foliation at 070°. They are medium-grained, dark green, weekly chloritized, mafic dikes and show little to no ankerite alteration thus making these a later feature.

Unit 3: Quartz Event
It appears that there may be a quartz event associated with the regional foliation and shearing at 070°, located predominantly at the A Zone and less well defined at the B Zone. Then a second group post dating the shearing event, seen at the A Zone. The following quartz stages may have occurred:

- 1st quartz event at 070° trend and 090° dip. This is the first event at the B-Zone and the A-Zone
- 2nd quartz event at 070° trend and 045-060° south dip. This is the second event at the B-Zone.
- 3rd quartz event at 070° trend and 045° north dip. This is the third event at the B-Zone.
- 4th quartz event at 045° and 090° dip. This is the second event at the A-Zone and they may be gold bearing based upon trenches 21 & 23.
- 5th quartz event at 090-100° and 090° dip. This is the third event at the A-Zone.
- 6th quartz event at 070° trend and 090° dip but are represented by large (<30cm wide), white to reddish, milky quartz veins +/- hematite stains, that are sigmoidal and can be traced over 10m on the east end of this zone. This is a possible fourth event at the A-Zone.

Unit 2a to 2b: Unaltered to Altered Felsic Flows (Rhyolite)
A unit of fine grained, pale green, massive, felsic flow (with possible flow banding) and trace-3% chlorite phenocrysts. It can be brecciated with 10-30% clasts (>3cm) of felsic or mafics. This unit has undergone selective ankerite +/- hematite alteration (5-20%) within fractures giving it a pink appearance, thin zones (2-20cm) of weak to moderate silicification (5-30%) and trace-2% pyrite.

Unit 1a to 1b: Unaltered to Altered Mafic Flows +/- Tuffs (Basalt)
A unit of fine grained, grey to dark green, weakly to moderately foliated, basalt flows with south facing pillows in some locations. It can have 2-3% fine to medium grained hornblende phenocrysts. This unit has undergone selective, weak to strong, ankerite-calcite alteration (5-30%) within fractures and shear structures and trace-2% pyrite. This may contain thin subunits of altered mafic tuff. They consist of fine-grained, tan-green with 10-20% biotite-chlorite alteration due to moderate carbonate (>10%) content.



LEGEND

- PATHFINDER GOLD INC. Claim Boundary/Claims
- 2010 Diamond Drill Collar with Drill Trace
- GPS Points: Baseline
- Cut Lines
- Tree Line
- Channel
- Trench
- 3 Quartz Event
- 1b Altered Mafic Flows +/- Tuffs (Basalt)
- 1a Unaltered Mafic Flows +/- Tuffs (Basalt)

N W E S

100 0 100

Meters

Pathfinder Gold Inc.

TURTLE TANK GOLD PROJECT, Ontario (Mine Centre)

REGIONAL MAPPING
A & B ZONES

Datum: NAD 83, Zone 15

Workspace: Turtle Tank_Jan2011.wor

B. Channel Sampling

Based up field observation, historical data and discussions with Prospectors L. Cousineau, R. Cousineau and K. Desjardins, this author came to the following conclusions:

- mapping has possibly delineated two separate structures through both zones and gold is present in both of them.
- A quartz event (stages 1 – 3) is associated with the regional foliation / structural event at 070° however a second event post-dates this regional event (stages 4-6).
- Historical sampling by industry, government and the prospectors located many anomalous gold values (>1 gpt to 531 gpt).
- 2010 sampling yielded elevated values for Au with the best assay at 0.63 gpt Au over 2.15m. Elevated Cu (495 ppm) and Ni (519 ppm) were also located.

A preliminary channel sampling program was completed on both the B-Zone and the A-Zone. Any elevated or anomalous values were bolded in the following tables. The B Zone sampling was conducted over a 32.30m length at azimuth 160°. The sampling started at sample 34851 (54002294N, 532522E) to sample 34878 (5400266N, 532533E) were:

Table 4A: Channel Sampling at the B-Zone

Sample	from (m)	to (m)	interval (m)	description	Au ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm
34851	0.00	1.34	1.34	60% qtz in mafic flow	21	<1	43	86	156
34852	1.34	2.37	1.03	3% qtz in ank.alt. mafic flow	16	<1	77	78	160
34853	2.37	3.41	1.04	2% qtz in ank.alt. mafic flow to unaltered mafic flow	12	<1	126	49	93
34854	3.41	4.46	1.05	5% qtz in ank.alt. mafic flow	53	<1	**495**	68	151
34855	4.46	5.59	1.13	8% qtz in ank.alt. mafic flow to unaltered mafic flow	70	<1	48	79	194
34856	5.59	6.66	1.07	33% qtz in ank.alt. mafic flow to unaltered mafic flow	13	<1	27	33	88
34857	6.66	7.72	1.06	37% qtz in ank.alt. mafic flow to unaltered mafic flow	9	<1	**280**	55	138
34858	7.72	8.75	1.03	88% qtz in mafic flow	5	<1	9	50	127
34859	8.75	9.90	1.15	30% qtz in ank.alt. mafic flow to unaltered mafic flow	12	<1	12	70	167
34860	9.90	10.89	0.99	25% qtz in ank.alt. mafic flow to unaltered mafic flow	5	<1	8	56	124
34861	10.89	11.42	0.53	15% qtz in ank.alt. mafic flow to unaltered mafic flow	11	<1	19	71	150
GAP	11.42	13.32	1.90	water filled mud hole					
34862	13.32	14.31	0.99	12% qtz in ank.alt. mafic flow to unaltered mafic flow	**191**	2	63	78	190

34863	14.31	15.46	1.15	22% qtz in ank.alt. mafic flow	**614**	<1	106	78	127
34864	15.46	16.46	1.00	20% qtz in ank.alt. mafic flow	**651**	<1	66	80	136
34865	16.46	18.65	2.19	58% qtz in ank.alt. felsic flow	13	<1	102	70	95
34866	18.65	19.69	1.04	37% qtz in ank.alt. felsic flow	**110**	<1	**483**	58	91
34867	19.69	20.63	0.94	20% qtz in ank.alt. felsic flow	79	<1	88	190	121
34868	20.63	21.81	1.18	20% qtz in ank.alt. felsic flow	17	<1	83	118	149
34869	21.81	22.96	1.15	50% qtz in ank.alt. felsic flow and ank. alt. mafic flow	9	<1	76	71	117
34870	22.96	23.99	1.03	23% qtz in ank.alt. felsic flow	11	<1	26	100	171
34871	23.99	25.05	1.06	95% qtz in ank.alt. felsic flow	37	<1	36	25	52
34872	25.05	26.09	1.04	100% qtz	7	<1	**300**	**519**	106
34873	26.09	27.14	1.05	20% qtz in ank.alt. mafic flow	**112**	<1	167	67	122
34874	27.14	28.26	1.12	80% qtz in ank.alt. mafic flow	**197**	<1	49	40	86
34875	28.26	29.34	1.08	5% qtz in ank.alt. mafic flow to unaltered mafic flow	22	<1	22	85	155
34876	29.34	30.37	1.03	3% qtz in ank.alt. mafic flow to unaltered mafic flow	17	<1	39	84	149
34877	30.37	31.38	1.01	6% qtz in ank.alt. mafic flow to unaltered mafic flow	25	<1	14	79	138
34878	31.38	32.30	0.92	10% qtz in ank.alt. mafic flow to unaltered mafic flow	21	<1	81	84	148

The A Zone was conducted over two sections, due to outcrop exposure, of a 16.65m length at azimuth 165°. The sampling started at group A1 at sample 34879 (5400647N, 533552E) to sample 34884 (5400641N, 533553E). Group A2 started at 34885 (5400647N, 533573E) to 34895 (5400638N, 533574E). The results are:

Table 4B: Channel Sampling at the A-Zone

Sample	from (m)	to (m)	interval (m)	description	Au ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm
34879	0.00	1.08	1.08	mostly unaltered mafic flow with minor ank. alt. mafic flow	40	<1	63	60	108
34880	1.08	1.70	0.62	5% qtz in ank.alt. mafic flow	13	<1	40	56	118
34881	1.70	2.78	1.08	2% qtz in ank.alt. mafic flow	55	<1	62	63	140
34882	2.78	3.78	1.00	all ank.alt. mafic flow	33	<1	64	63	92
34883	3.78	4.78	1.00	3% qtz in ank.alt. mafic flow	16	<1	29	49	125
34884	4.78	5.78	1.00	5% qtz in ank.alt. mafic flow	10	<1	41	79	106
34885	5.78	6.81	1.03	all ank.alt. mafic flow	8	<1	83	83	90
34886	6.81	7.90	1.09	6% qtz in ank.alt. mafic flow	8	<1	58	60	81
34887	7.90	8.94	1.04	all ank.alt. mafic flow	44	<1	123	65	135
34888	8.94	10.02	1.08	2% qtz in ank.alt. mafic flow	18	<1	66	59	119
34889	10.02	11.02	1.00	8% qtz in ank.alt. mafic flow	10	<1	31	63	126

34890	11.02	12.02	1.00	all ank.alt. mafic flow	21	<1	99	70	140
34891	12.02	13.02	1.00	all ank.alt. mafic flow	13	<1	83	68	118
34892	13.02	14.04	1.02	7% qtz in ank.alt. mafic flow	**397**	<1	147	40	143
34893	14.04	15.05	1.01	all ank.alt. mafic flow	15	<1	189	71	97
34894	15.05	15.63	0.58	all ank.alt. mafic flow	8	<1	69	79	94
34895	15.63	16.65	1.02	all unaltered mafic flow (pillows)	6	<1	31	68	75

The preliminary sampling program of the Turtle Tank Gold property yielded elevated (>100 ppb) to anomalous (>0.6 gpt) gold values during this investigation. Further work is needed to better define the historical gold assays versus those encountered in this study and to investigate of the other known showings (Gold Bug, Alice A and Pidgeon) to define the mineral potential of the property.

C. 2010 Drill Program

A small drill program was completed by Eric Mosley Drilling (777626 Ontario Ltd). . Two BQ holes (81.22m) were completed on the B Zone and one BQ hole (31.15m) on the A Zone. The best elevated assay per unit was included and bolded if highly anomalous. The results were:

Drill Hole Summary: TT10-1 (B-Zone, drilling grid south)

from (m)	to (m)	interval (m)	Rock Description
0	0.61	0.61	Casing
0.61	2.63	2.02	Mafic Flows - fine grained, grey, weakly foliated at 80o to core axis (TCA) to massive flows (pillowed) with 2-3% fine to medium grained hornblende phenocrysts and 2-3% thin (<1cm) veins of quartz-carbonate (QCV) at 70-90o TCA with trace-1% pyrite (rusted out) Best assay - **2.65 gpt Au over 1.00m**
2.63	9.10	6.47	Quartz Zone in Mafic Flows - 31% white, quartz veins (QV) in the above mafic flows with trace-2% pyrite +/- chalcopyrite. Veins consist of white, translucent quartz with up to 10% tan Kspar, <2% calcite and <3% chlorite. Best assay – 0.13% Cu over 0.54m
9.10	10.75	1.65	Mafic Flows - fine grained, grey, weakly foliated at 80o to core axis (TCA) to massive flows (pillowed) with 2-3% quartz-carbonate veins (QCV) that are <1cm at 75o TCA with trace pyrite. Best assay – 0.11 gpt Au over 0.64m
10.75	12.04	1.29	Mafic Tuffs - fine grained, greenish-grey, weakly bedded to weakly foliated @ 75° TCA with 5% QCV veins @ 70° TCA.
12.04	13.32	1.28	Altered Mafic Tuff - fine grained, tan-green with 10-20% biotite-chlorite alteration due to moderate carbonate (>10%) content, with 2-3% QCV veins (<1cm) @ 45-70° TCA Best assay – 0.11 gpt Au over 0.64m
13.32	15.21	1.89	Mafic Tuffs - fine grained, greenish-grey, weakly bedded to weakly foliated @ 75° TCA with 2-3% fine calcite +/- quartz veins (<1cm) @ 70° TCA or as minor calcite filled cross-structures.
15.21	16.81	1.60	Quartz Zone in Mafic Flow - 19% white to reddish-white, quartz veins (QV) with 5-10% tan carbonate, 5% chlorite in the mafic tuff; veins at 70° TCA with trace-2% pyrite.

16.81	20.74	3.93	Mafic Flows & Tuffs - fine to medium grained, dark green, weakly chloritic (<5%), moderately foliated @ 65° TCA with 2-3% thin (<1cm) red QV. Best assay – 0.22% Ni over 1.84m
20.74	32.02	11.28	Mafic Flow - fine grained, dark greenish-grey, massive to weakly foliated @ 75° TCA and 5-8% phenocrysts of hornblende converting to chlorite. Also contains 1-5% small veinlets (<1cm) of calcite veins +/- quartz veins. There are several sections (~0.3m) with higher quartz vein contents or several smaller quartz-Kspar veins.
			20.74-23.02 (1.28m) - Quartz Zone - unit containing 40% quartz veins, both grey and red, in the mafic flow.
			25.96-27.76 (1.80m) - Quartz Zone - unit averaging 36% quartz +/- carbonate-Kspar within mafic flow. Best assay – 0.15 gpt Au over 0.67m
32.02	32.83	0.81	Felsic Fragmental - fine grained, pale pink to pale green, brecciated flow with 10-30% clasts (>3cm) of felsic or mafics at 60° TCA.
32.83	35.87	3.04	Felsic Flow (Rhyolite) - fine grained, pale pink to pale pinkish-green, massive flow (with possible flow banding) and trace-3% chlorite phenocrysts that has 1-2% quartz veins (0.5-3 cm) at 45-80° TCA.
35.87	40.93	5.06	Mafic Flows (mafic flow) - fine grained, dark green, weakly chloritic (<5%), basaltic flow with weak foliation @ 60o TCA. Several 1-2cm quartz or quartz-Kspar veins or shears.
	40.93		End Of Hole

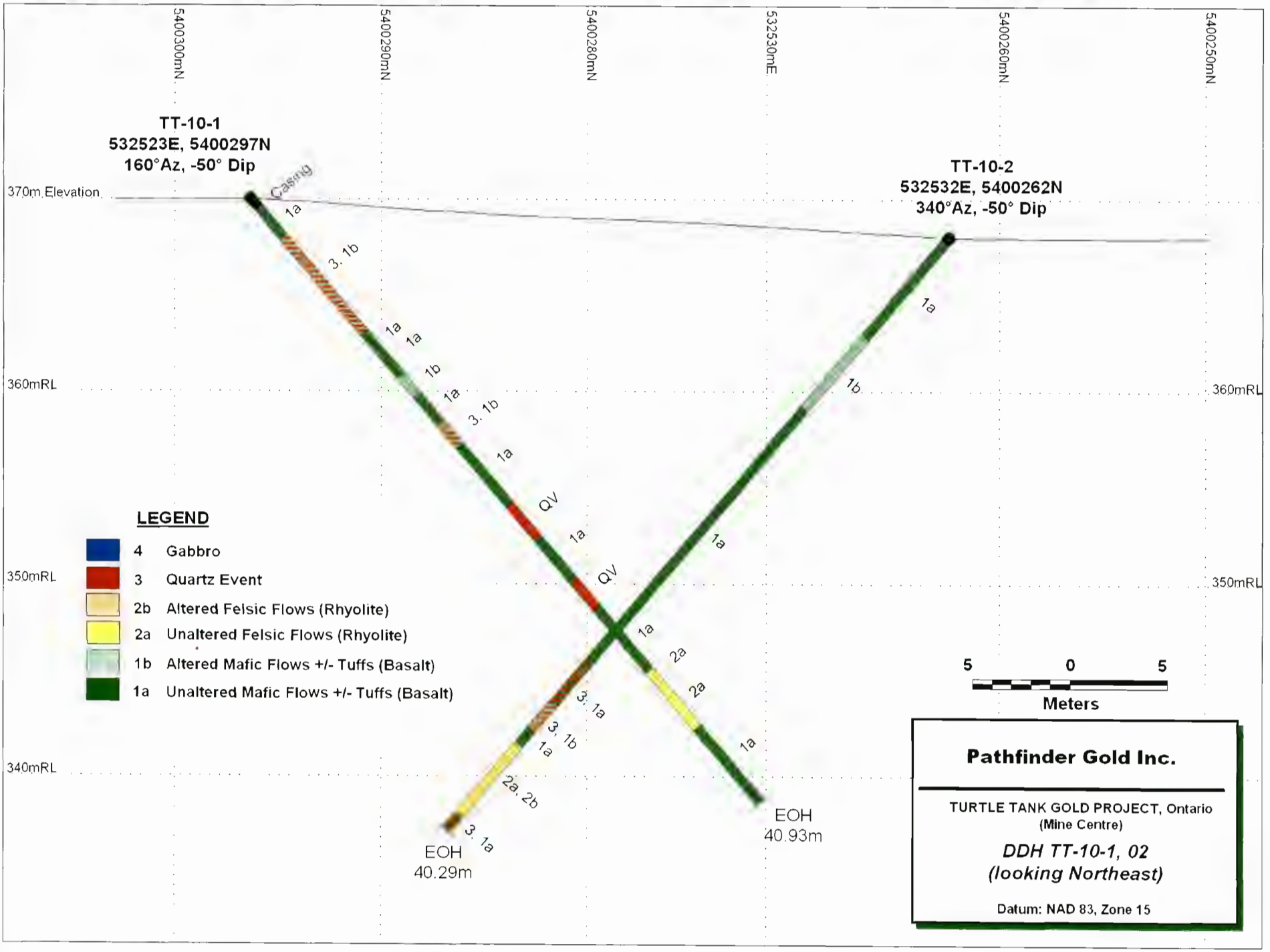
Drill Hole Summary: TT10-2 (B-Zone, drilling grid north)

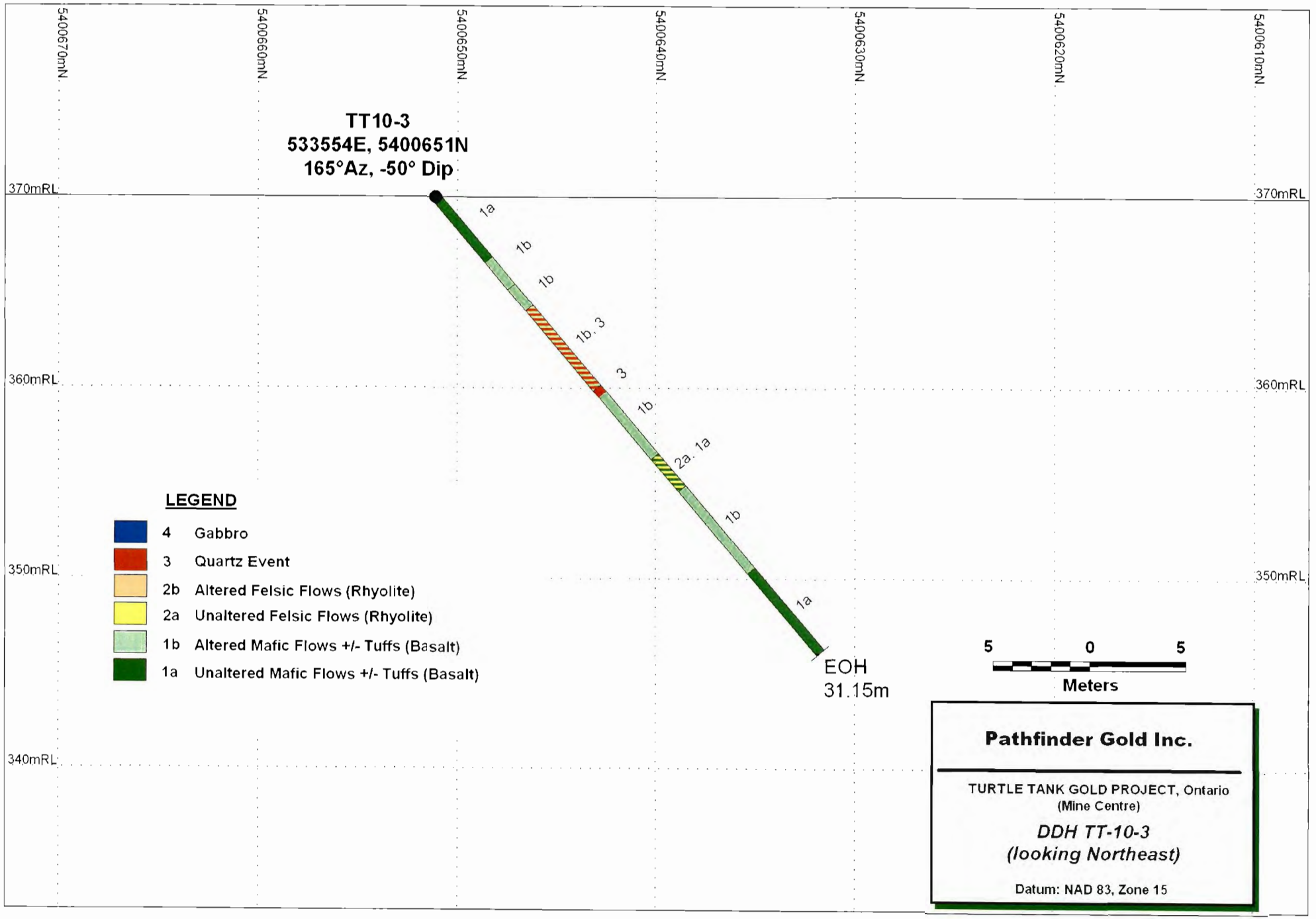
from (m)	to (m)	interval (m)	Rock Description
0.00	6.73	6.73	Mafic Flows (MF) - fine grained, dark green, weakly chloritic (<5%), weak to highly foliated at 030-045° to core axis (TCA). Numerous 0.5-2cm, white to red, quartz veins (QV) or quartz-carbonate-veins (QCV) at 45-70° TCA or several <30° TCA. Several quartz-Kspar veins along core axis from 3.15-4.00m and 5.22-5.62m. Best assay – 285 ppm Cu over 0.62m
6.73	11.58	4.85	Shear Zone in Mafic Flow - fine grained, foliated and highly sheared, mafic flow at 30-45° TCA with 0-20% chlorite-carbonate alteration (chl-carb alt) and small QV or QCV. Small rhyolite dike with QV parallels this shear. **Best assay – 1.15 gpt Au over 0.80m**
11.58	28.67	17.09	Mafic Flows - fine to medium grained, dark green to black, weakly chloritic (5-10%), massive to weak foliated at 045° TCA with 2-3% quartz-Kspar veins at 70° TCA. Several quartz veins may contain black tourmaline.
28.67	31.67	3.00	Quartz Veins in Mafic Flow - 5-7% grey and white, quartz veins at 30-60° TCA in the Mafic Flow.
31.67	33.47	1.80	Silica altered Mafic Tuff (or Flow) with Quartz Veins - white to reddish QV with 2% hematite staining and 5% plagioclase and 5% clasts of chloritic basalt. Best assay – 0.24 gpt Au over 1.80m

33.47	34.48	1.01	Mafic Tuff - fine grained, grey, weakly foliated (60° TCA), mafic tuff with 3% quartz +/- plagioclase.
33.48	39.24	4.86	Altered to Unaltered Felsic Dikes / Flows - fine grained, light grey with 3% fine phenocrysts of hornblende in a dacitic dike with weak foliation (@ 60° TCA), 2-35 carbonate-quartz-plagioclase veins (<1cm) and trace-1% pyrite. Best assay – 0.41 gpt Au and 0.08% Cu over 1.08m
39.24	40.29	0.95	Quartz Veins in Mafic Flow - >80% white to red quartz veins and 12% clasts of chloritic basalt, 5% plagioclase and trace-2% pyrite.
	40.29		End Of Hole

Drill Hole Summary: TT10-3 (A-Zone, drilling grid south)

from (m)	to (m)	interval (m)	Rock Description
0	4.27	4.27	Mafic Flows (Pillow Basalt) - fine grained, dark green, weakly chloritic (<5%), mafic flows with weak foliation @ 70° to core axis (TCA).
4.27	25.52	25.52	Sheared Mafic Flows (Pillow Basalt) - fine grained, dark green with many patches of light green (due to silicification), with white quartz-calcite veins @45-90° TCA and brown patches of ankerite alteration.
			4.27-6.13 (1.86m) - 5-20% rusty, ankerite alteration in weakly to moderately sheared mafic flows with <2% quartz veins (QV) @ 45° TCA
			6.13-7.56 (1.43m) - sheared mafic tuff with medium grained, dark green, weakly chloritic, mafic flow with weak to moderate shear and <10% calcite-ankerite alteration
			7.56-13.05 (5.49m) - Banded Mafic Flow (BMF) that is medium grained, greyish-green, mafic flow with 10-20% grey bands of calcite +/- ankerite at 60° TCA that are 0.5-2cm. There are small zones (<10cm) of >20% silica alteration or 1-2cm QV are 45-90° TCA.
			13.05-13.48 (0.38m) - Quartz Zone - 70% light grey quartz with 15% sericite-chlorite, 10% plag-kspar, 1-2% needle tourmaline Best assay – 317 ppm Cu over 0.43m.
			13.48-17.73 (4.25m) - Banded Mafic Flow (BMF) that is medium grained, greyish-green, mafic flow with 10-20% grey bands of calcite +/- ankerite at 60° TCA that are 0.5-2cm. There are small zones (<10cm) of >20% silica alteration or 1-2cm QV are 45-90o TCA.
			17.73-19.93 (2.20m) - Rhyolite flows that are interbedded with the mafic flows or they represent small rhyolitic dikes that may cross-cut the mafic flow (but there is no chill margins). Rhyolite may show quartz veining and shearing also.
			19.93-25.52 (5.59) - Sheared Mafic Flow +/- banding or calcite alteration similar to above. May contain QV with tourmaline or tr-2% Py. Best assay – 0.22 gpt Au and 234 ppm Cu over 0.43m.
25.52	31.15	5.63	Mafic Flows (Pillow Basalt) - fine grained, dark green, weakly chloritic (<5%), mafic flows with weak foliation @ 70° to core axis (TCA).
	31.15		End Of Hole


5400300mN
5400290mN
5400280mN
532530mE
5400260mN
5400250mN
TT-10-1
532523E, 5400297N
160°Az, -50° Dip
TT-10-2
532532E, 5400262N
340°Az, -50° Dip
370m Elevation
360mRL
350mRL
340mRL
Casing
1a
3, 1b
1a
1a
1b
1a
3, 1b
1a
QV
1a
QV
1a
1a
2a
2a
1a
3, 1a
3, 1b
1a
2a, 2b
3, 1a
1a
1b
1a
EOH
40.29m
EOH
40.93m
LEGEND
4 Gabbro
3 Quartz Event
2b Altered Felsic Flows (Rhyolite)
2a Unaltered Felsic Flows (Rhyolite)
1b Altered Mafic Flows +/- Tuffs (Basalt)
1a Unaltered Mafic Flows +/- Tuffs (Basalt)
5 0 5
Meters
Pathfinder Gold Inc.
TURTLE TANK GOLD PROJECT, Ontario
(Mine Centre)
DDH TT-10-1, 02
(looking Northeast)
Datum: NAD 83, Zone 15


5400670mN
5400660mN
5400650mN
5400640mN
5400630mN
5400620mN
5400610mN
TT10-3
533554E, 5400651N
165°Az, -50° Dip
370mRL
360mRL
350mRL
340mRL
1a
1b
1b
1b, 3
3
1b
2a, 1a
1b
1a
EOH
31.15m
LEGEND
4 Gabbro
3 Quartz Event
2b Altered Felsic Flows (Rhyolite)
2a Unaltered Felsic Flows (Rhyolite)
1b Altered Mafic Flows +/- Tuffs (Basalt)
1a Unaltered Mafic Flows +/- Tuffs (Basalt)
5 0 5
Meters
Pathfinder Gold Inc.
TURTLE TANK GOLD PROJECT, Ontario
(Mine Centre)
DDH TT-10-3
(looking Northeast)
Datum: NAD 83, Zone 15

Geophysical Surveys

The following geophysical surveys were completed on or near the Turtle Tank Property:

- Northgate Exploration (1970) completed geophysics on the property.
- Hanna Mines (1975-76) completed geophysics on the property.
- The Ontario Geological Survey (1980) completed Airborne Magnetic and EM, preformed by Questor Surveys.
- Goldfields Can. Mining Ltd (1989) completed Airborne Magnetic and VLF-EM.
- INCO (1993) completed 370km of Airborne Magnetic & EM with 15km of IP.

The Ontario Geological Survey completed Airborne Magnetic and Electromagnetic Surveys of the Mine Centre Area in 2009. Map 82464 covered the Turtle Tank property and the results of this survey were:

1) Turtle Tank had no defined EM targets on the property
2) The Turtle Tank gold zones (both A and B) are associated with a northeast trending magnetic low, possibly due to shearing, within a much larger east trending magnetic high (related to mafic volcanics or intrusives).
3) The Gold Bug (and Alice A) gold zone is related to a flanking, east-west, magnetic high associated with a sub-parallel, fault structure to the south and this maybe an undefined fault splay.
4) The Pidgeon base metal zone is related to magnetic low, associated with altered felsic volcanics.

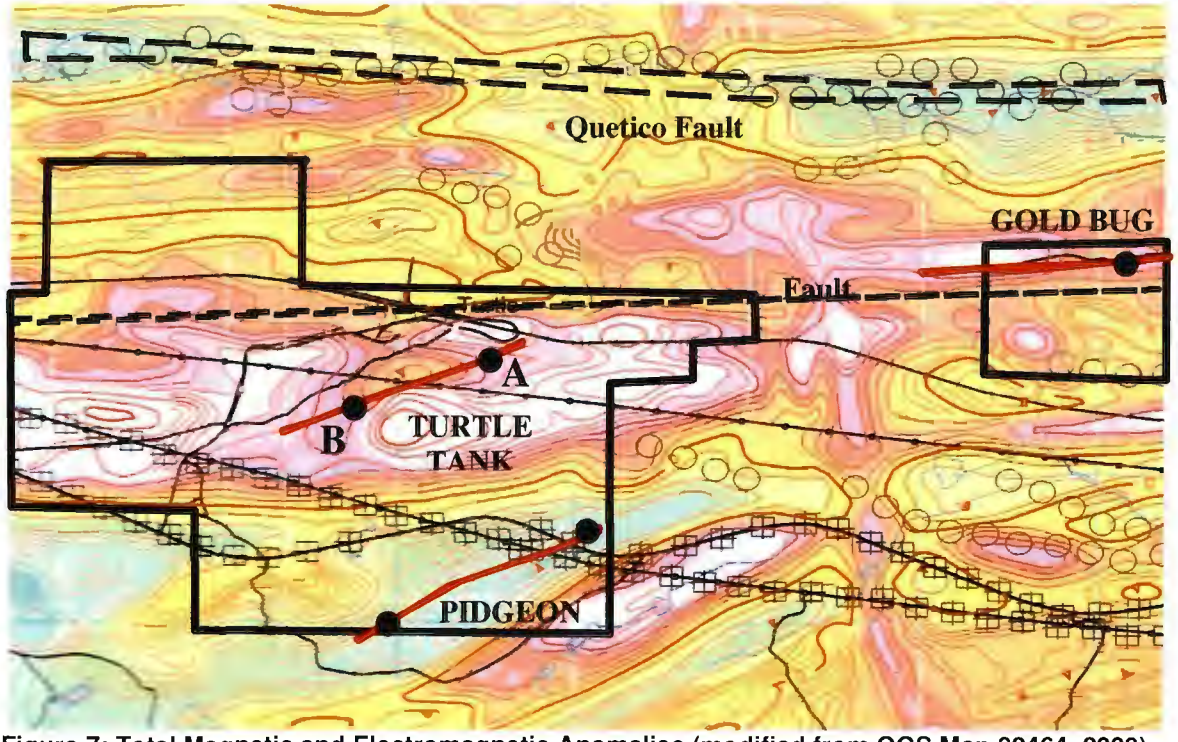


Figure 7: Total Magnetic and Electromagnetic Anomalies (modified from OGS Map 82464, 2009)

Conclusions

The follow conclusions can be drawn from this exploration program:

1. Preliminary mapping located east-north-east trending (070-075°) units of strained to sheared mafic volcanics with minor felsic volcanics that have undergone weak to moderate ankerite +/- calcite alteration and possibly six different quartz depositional events that may or may not be gold bearing.

2. Historical surfacing sampling by industry, government and the prospectors located many highly anomalous gold values (>1 – 531 gpt). New channel sampling program was completed on the B-Zone and A-Zone with best assays of 0.63 gpt Au over 2.15m. This testing was focus only on the gold zones related to the regional shearing (070°).

3. Historical drill Nuinsco (1996) located:
   B Zone - 1.55 gpt Au, 0.4 gpt Ag & 0.06% Cu over 0.46m
   A Zone - 0.28 gpt Au and 0.07% Cu over 21.80m
   New BQ drilling (2010) by our group located:
   B Zone - 2.65 gpt Au over 1.00m
   A Zone – 0.22 gpt Au over 0.53m

4. Further work is needed to better define the historical gold assays versus those encountered in this study and to investigate of the other known showings (Gold Bug, Alice A and Pidgeon).

5. This current program focused on 5% of the property. More areas needed to be mapped to define more targets for sampling and possible drill targets.

Recommendations

The following recommendations should be undertaken in order to better define the potential of the Turtle tank Property:

1. Further mapping, more than 1 day, between the B-Zone and A-Zones to define mineral targets and possible horizons.

2. Complete a comparative study on all of the geophysical studies to fine more targets and ground-truth them.

3. Map (1:300) and sample the Pidgeon, Gold Bug and Alice A zones for gold and base metal potential.

4. Regional mapping (1:2000) of roads, trails and a few traverses to define stratigraphy and any target zones.

5. Once all of these steps are completed, potential drill targets could be produced from this work

References

The following assessment files were located the Kenora District Geologist's Office at 810 Robertson Street, Kenora ON:

File / Reference	Date	Company / Individual
MDC 29	1894-99	American Can Gold Mining Co
MDC 29	1917	L. Hedburg
MDC 29	1969	Kerr Addison Mines
52C15SE C-1	1970	Northgate Exploration Ltd
MDC 29	1974	R. Pitkanen
52C15SE M-1 & M-2	1975-76	Hanna Mines
52C15SE Q-1	1976	Ed-Vic Exploration
MDC 29	1980	OGS Airborne Surveys (Questor)
52C15SE W-1		Lafreniere, A E
52C15SE HH-1	1988	L. Cousineau
MDC 29	1989	G. Armstrong
52C15SE LL-1	1989	Goldfields Can. Mining Ltd
52C15SE NN-1	1990-93	INCO
52C15SE PP-1	1993	Cousineau, Louis & Edward
Personal Commun.	1994	C. Kuryliw
Property Visit	1993-94	C. Blackburn & D. Laderoute
52C15SE PP-2	1995	Cousineau, Louis & Edward
52C15SE PP-3	1995	Cousineau, Louis & Edward
52C15SE PP-4	1995	Cousineau , L. & R., & Desjardins, K.
52C15SE PP-5	1995	Nuinsco
52C15SE PP-6	1995	Cousineau , L. & R (OPAP)
MDC29	2000	Poulsen Property Summaries
Personal Commun.	2000-09	Q-Gold
OGS	2009	OGS Airborne Surveys (Areoquest)

Cousineau, Louis 2010. Personal communication and data from prospector on sampling and notes with observations on Turtle tank Occurrences.

Budget

The following was spent on line cutting, channel sampling and drilling program in October to December of 2010 on the Turtle lake Property:

Salary	October	November	December	days	Cost	Subtotal
Allen Raoul field geologist	8.5	9.0	17.0	34.5	500	$17,250.00
Alan Stevens channel saw	9.0	0	0	9.0	200	$1,800.00
Ken Desjardins Prospector	6.0	11.0	0	17.0	200	$3,400.00
Ray Cousineau Prospector	6.0	11.0	0	17.0	200	$3,400.00
1500m BL - line-cut (Ken Desjardins)						$1,500.00
A. Raoul Travel	1600km	2050km	0	3650km	@0.5/km	$1,825.00
A. Raoul Food	272.77	52.38	0			$325.15
A. Raoul Other Expenses	10.96	600.80	0			$611.76
K. Desjardins Travel	960km	1760km	0	2720km	@0.5/km	$1,360.00
Mosley Drilling Costs		40,168.05				$40,168.05
Assays		3,330.00	1,558.72			$4,888.72
Zone 14			1,862.24			$1,862.24
TOTALS						**$78,390.92**

CERTIFICATE OF AUTHOR

I, Allen J. Raoul, of the city 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 spent the previous 26 months in the Thunder Bay and Kenora Districts of Ontario for Bending Lake Iron Group Ltd as Field Geologist

3) Starting in May of 2008, I spent the next 6 months in the Kenora District in Ontario for Rainy River Resources as Project Geologist.

4) 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.

5) 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.

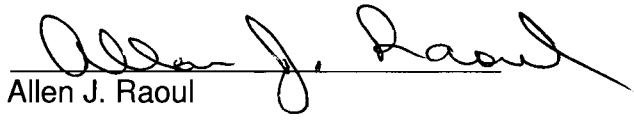
6) I have practiced my profession since 1990.

7) I have recently attained my Professional Geoscientist status with the APGO but am currently waiting final credentials and stamp from this organization.

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 Bending Lake Iron Group Ltd to publish this report dated December 31, 2010 for assessment purposes, raising of funds and other corporate purposes.



Allen J. Raoul

APPENDIX A:
Turtle Tank Channel
Sample Descriptions

Easting	Northing	ZONE	Sample	from (m)	to (m)	interval (m)	description	Au ppb	Ag ppm	Al %
532522E	5400294N	B	34851	0.00	1.34	1.34	60% qtz in mafic flow	21	<1	2.15
		B	34852	1.34	2.37	1.03	3% qtz in ank.alt. mafic flow	16	<1	2.28
		B	34853	2.37	3.41	1.04	2% qtz in ank.alt. mafic flow to unaltered mafic flow	12	<1	1.00
		B	34854	3.41	4.46	1.05	5% qtz in ank.alt. mafic flow	53	<1	1.87
		B	34855	4.46	5.59	1.13	8% qtz in ank.alt. mafic flow to unaltered mafic flow	70	<1	2.49
		B	34856	5.59	6.66	1.07	33% qtz in ank.alt. mafic flow to unaltered mafic flow	13	<1	0.72
		B	34857	6.66	7.72	1.06	37% qtz in ank.alt. mafic flow to unaltered mafic flow	9	<1	1.73
		B	34858	7.72	8.75	1.03	88% qtz in mafic flow	5	<1	1.36
		B	34859	8.75	9.90	1.15	30% qtz in ank.alt. mafic flow to unaltered mafic flow	12	<1	2.35
		B	34860	9.90	10.89	0.99	25% qtz in ank.alt. mafic flow to unaltered mafic flow	5	<1	1.63
		B	34861	10.89	11.42	0.53	15% qtz in ank.alt. mafic flow to unaltered mafic flow	11	<1	2.48
		GAP		11.42	13.32	1.90	water filled mud hole			
		B	34862	13.32	14.31	0.99	12% qtz in ank.alt. mafic flow to unaltered mafic flow	**191**	2	2.86
		B	34863	14.31	15.46	1.15	22% qtz in ank.alt. mafic flow	**614**	<1	1.70
		B	34864	15.46	16.46	1.00	20% qtz in ank.alt. mafic flow	**651**	<1	2.10
		B	34865	16.46	18.65	2.19	58% qtz in ank.alt. felsic flow	13	<1	0.74
		B	34866	18.65	19.69	1.04	37% qtz in ank.alt. felsic flow	**110**	<1	0.60
		B	34867	19.69	20.63	0.94	20% qtz in ank.alt. felsic flow	79	<1	1.26
		B	34868	20.63	21.81	1.18	20% qtz in ank.alt. felsic flow	17	<1	1.75
		B	34869	21.81	22.96	1.15	50% qtz in ank.alt. felsic flow and ank. alt. mafic flow	9	<1	1.58
		B	34870	22.96	23.99	1.03	23% qtz in ank.alt. felsic flow	11	<1	2.01
		B	34871	23.99	25.05	1.06	95% qtz in ank.alt. felsic flow	37	<1	0.21
		B	34872	25.05	26.09	1.04	100% qtz	7	<1	0.09

Easting	Northing	ZONE	Sample	from (m)	to (m)	interval (m)	description	Au ppb	Ag ppm	Al %
		B	34873	26.09	27.14	1.05	20% qtz in ank.alt. mafic flow	**112**	<1	1.30
		B	34874	27.14	28.26	1.12	80% qtz in ank.alt. mafic flow	**197**	<1	0.78
		B	34875	28.26	29.34	1.08	5% qtz in ank.alt. mafic flow to unaltered mafic flow	22	<1	2.43
		B	34876	29.34	30.37	1.03	3% qtz in ank.alt. mafic flow to unaltered mafic flow	17	<1	2.49
		B	34877	30.37	31.38	1.01	6% qtz in ank.alt. mafic flow to unaltered mafic flow	25	<1	2.19
532533E	5400266N	B	34878	31.38	32.30	0.92	10% qtz in ank.alt. mafic flow to unaltered mafic flow	21	<1	2.43
533552E	5400647N	A1	34879	0.00	1.08	1.08	mostly unaltered mafic flow with minor ank. alt. mafic flow	40	<1	1.78
		A1	34880	1.08	1.70	0.62	5% qtz in ank.alt. mafic flow	13	<1	1.90
		A1	34881	1.70	2.78	1.08	2% qtz in ank.alt. mafic flow	55	<1	2.36
		A1	34882	2.78	3.78	1.00	all ank.alt. mafic flow	33	<1	1.00
		A1	34883	3.78	4.78	1.00	3% qtz in ank.alt. mafic flow	16	<1	1.90
5335533E	5400641N	A1	34884	4.78	5.78	1.00	5% qtz in ank.alt. mafic flow	10	<1	1.71
533573E	5400647N	A2	34885	5.78	6.81	1.03	all ank.alt. mafic flow	8	<1	0.99
		A2	34886	6.81	7.90	1.09	6% qtz in ank.alt. mafic flow	8	<1	0.93
		A2	34887	7.90	8.94	1.04	all ank.alt. mafic flow	44	<1	2.13
		A2	34888	8.94	10.02	1.08	2% qtz in ank.alt. mafic flow	18	<1	1.78
		A2	34889	10.02	11.02	1.00	8% qtz in ank.alt. mafic flow	10	<1	1.59
		A2	34890	11.02	12.02	1.00	all ank.alt. mafic flow	21	<1	2.08
		A2	34891	12.02	13.02	1.00	all ank.alt. mafic flow	13	<1	1.96
		A2	34892	13.02	14.04	1.02	7% qtz in ank.alt. mafic flow	**397**	<1	2.91
		A2	34893	14.04	15.05	1.01	all ank.alt. mafic flow	15	<1	1.55
		A2	34894	15.05	15.63	0.58	all ank.alt. mafic flow	8	<1	1.35
533574E	5400638N	A2	34895	15.63	16.65	1.02	all unaltered mafic flow (pillows)	6	<1	1.27

bolded = anomalous

Sample	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %
34851	14	21	16	3	24	6.66	9	34	298	43	9.82	0.13
34852	11	14	24	3	19	4.07	8	33	136	77	9.54	0.09
34853	9	20	58	3	9	3.66	6	17	230	126	5.72	0.29
34854	9	14	29	2	17	3.83	8	25	113	**495**	8.46	0.11
34855	4	18	25	2	18	3.32	8	27	349	48	9.98	0.09
34856	4	20	20	2	12	3.30	5	8	195	27	4.86	0.10
34857	5	21	20	2	14	3.43	7	14	309	**280**	6.77	0.13
34858	4	18	11	2	9	2.68	6	14	288	9	5.45	0.07
34859	4	21	27	2	17	4.36	8	23	364	12	8.68	0.16
34860	6	19	21	2	18	4.28	7	16	196	8	6.85	0.10
34861	6	17	18	2	28	5.14	8	28	158	19	9.30	0.10
34862	6	20	24	3	18	1.97	8	29	203	63	9.96	0.06
34863	6	18	40	2	14	3.10	7	30	388	106	7.50	0.15
34864	7	20	28	2	14	2.92	8	40	183	66	8.36	0.12
34865	4	19	26	2	10	4.07	5	9	565	102	5.13	0.12
34866	3	17	23	2	17	2.47	5	9	258	**483**	4.91	0.07
34867	6	16	32	2	15	0.89	6	40	853	88	6.26	0.10
34868	4	19	39	2	16	1.52	7	18	363	83	7.43	0.12
34869	4	17	39	2	16	2.11	7	19	748	76	6.98	0.17
34870	5	17	27	3	18	2.13	8	29	222	26	9.13	0.09
34871	4	17	11	2	5	2.61	<4	5	100	36	2.89	0.06
34872	10	17	4	<2	<1	0.51	<4	4	98	**300**	0.99	0.02

Sample	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %
34873	8	15	15	2	18	5.56	7	26	156	167	7.58	0.09
34874	6	20	9	2	14	2.82	4	11	89	49	4.41	0.05
34875	6	21	22	2	21	4.08	9	37	103	22	9.72	0.07
34876	5	19	20	3	25	4.51	9	40	100	39	10.08	0.07
34877	7	17	17	3	22	3.94	7	39	116	14	9.14	0.06
34878	5	20	24	3	21	4.29	9	33	129	81	10.10	0.08
34879	5	15	9	2	19	4.73	6	25	109	63	6.57	0.04
34880	6	19	10	2	16	4.47	7	26	44	40	7.45	0.05
34881	6	17	7	2	19	5.19	8	23	92	62	8.39	0.03
34882	6	16	24	2	11	2.86	5	27	68	64	5.17	0.02
34883	5	11	36	2	15	2.43	7	21	60	29	7.33	0.03
34884	4	13	22	2	11	1.01	5	27	108	41	5.94	0.06
34885	6	16	11	2	8	1.72	4	77	128	83	4.46	0.01
34886	4	22	6	2	8	2.77	4	22	102	58	4.26	0.02
34887	6	14	18	2	15	2.09	6	47	71	123	7.79	<0.01
34888	4	15	10	2	17	3.67	7	26	99	66	6.81	0.01
34889	5	14	12	2	9	1.45	5	28	117	31	4.81	<0.01
34890	4	16	18	2	15	1.86	7	38	140	99	7.02	0.03
34891	5	12	28	2	17	3.58	7	36	155	83	6.90	0.05
34892	5	12	21	2	21	2.81	8	25	111	147	9.81	0.02
34893	6	13	24	2	12	3.90	6	18	132	189	6.25	0.08
34894	6	16	28	2	16	3.32	6	22	84	69	5.68	0.05
34895	5	11	29	2	7	3.70	5	17	97	31	4.45	0.06

Sample	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm
34851	17	2.43	1352	32	0.04	86	1014	29	9	12	0.02	<10
34852	19	1.85	1069	32	0.03	78	997	27	5	<5	0.01	<10
34853	5	0.90	925	21	0.06	49	516	21	7	13	0.01	<10
34854	14	1.55	1098	30	0.02	68	878	24	5	5	0.01	<10
34855	20	1.94	1244	33	0.03	79	849	25	7	8	0.01	<10
34856	6	1.07	943	19	0.02	33	494	20	6	8	0.01	<10
34857	13	1.64	854	24	0.02	55	644	22	5	5	0.01	<10
34858	11	1.32	705	19	0.02	50	408	21	7	9	0.01	<10
34859	18	2.19	1105	29	0.04	70	864	31	7	6	0.02	<10
34860	12	1.82	1010	24	0.03	56	707	24	6	6	0.01	<10
34861	18	2.63	1176	27	0.02	71	934	25	6	5	0.01	<10
34862	21	1.89	1096	32	0.03	78	940	24	6	8	0.01	<10
34863	11	1.41	1066	27	0.04	78	792	24	7	8	0.02	<10
34864	14	1.51	1106	28	0.03	80	1318	24	6	11	0.02	<10
34865	6	1.31	1101	17	0.03	70	480	23	7	8	0.01	<10
34866	5	0.91	1171	16	0.02	58	314	21	6	10	<0.01	<10
34867	10	0.94	975	20	0.03	190	578	23	8	12	0.01	<10
34868	13	1.20	1230	24	0.03	118	806	23	6	5	0.01	<10
34869	10	1.06	1040	25	0.04	71	635	21	6	7	0.02	<10
34870	14	1.45	1326	27	0.02	100	754	25	7	9	0.01	<10
34871	2	0.68	708	11	0.03	25	220	20	6	9	<0.01	<10
34872	2	0.15	291	4	0.02	**519**	135	15	<5	<5	0.02	<10

Sample	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm
34873	10	1.93	1443	25	0.04	67	813	25	6	6	0.01	<10
34874	6	1.09	759	16	0.02	40	403	18	6	8	<0.01	<10
34875	17	2.07	1245	34	0.04	85	1061	32	6	7	0.01	<10
34876	18	2.13	1236	32	0.03	84	1133	23	6	8	0.01	<10
34877	18	1.83	1150	28	0.03	79	998	25	6	9	0.01	<10
34878	19	1.95	1326	33	0.04	84	1095	28	6	<5	0.01	<10
34879	18	1.76	1339	22	0.06	60	373	26	6	<5	0.01	<10
34880	17	1.30	1439	26	0.04	56	268	27	6	10	0.01	<10
34881	22	1.12	1419	27	0.03	63	259	26	5	7	<0.01	<10
34882	11	0.69	1114	18	0.03	63	299	23	6	8	<0.01	<10
34883	18	0.94	1259	22	0.05	49	442	23	<5	8	<0.01	<10
34884	16	0.64	1328	18	0.07	79	702	22	5	5	<0.01	<10
34885	10	0.82	852	14	0.06	83	342	20	<5	9	<0.01	<10
34886	9	0.76	909	14	0.07	60	401	18	5	6	<0.01	<10
34887	20	0.94	1373	24	0.03	65	619	22	6	6	<0.01	<10
34888	17	1.05	1834	22	0.04	59	241	21	6	7	<0.01	<10
34889	17	1.14	1093	16	0.04	63	291	19	5	6	<0.01	<10
34890	19	1.06	1408	22	0.06	70	329	21	6	7	<0.01	<10
34891	20	1.71	2022	23	0.11	68	337	23	5	8	<0.01	<10
34892	23	1.01	1946	29	0.02	40	448	19	6	6	<0.01	<10
34893	13	1.01	1526	19	0.10	71	415	22	5	7	0.01	<10
34894	13	1.02	1480	19	0.09	79	461	22	<5	5	<0.01	<10
34895	12	1.15	1100	17	0.10	68	358	20	5	<5	0.01	<10

Sample	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
34851	120	419	6	66	12	4	156
34852	70	448	6	70	11	4	160
34853	59	511	9	22	12	11	93
34854	71	324	9	55	10	4	151
34855	68	231	12	79	11	4	194
34856	75	114	5	19	10	4	88
34857	76	155	9	49	<10	3	138
34858	64	129	6	35	11	3	127
34859	104	129	8	75	12	5	167
34860	107	150	10	48	12	4	124
34861	137	158	6	74	10	4	150
34862	50	142	7	90	11	4	190
34863	72	330	6	50	10	3	127
34864	68	528	8	64	12	5	136
34865	110	<100	5	18	10	3	95
34866	59	<100	5	13	<10	4	91
34867	33	<100	8	31	10	4	121
34868	49	167	7	35	10	5	149
34869	51	495	2	44	11	4	117
34870	54	272	5	48	12	4	171
34871	63	134	4	6	<10	2	52
34872	17	<100	11	2	<10	<2	106

Sample	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
34873	144	192	7	33	10	6	122
34874	73	154	2	22	10	4	86
34875	97	280	11	79	12	4	155
34876	98	211	14	80	11	4	149
34877	77	<100	6	72	11	4	138
34878	89	<100	9	83	10	4	148
34879	32	<100	9	68	11	<2	108
34880	26	<100	6	33	12	2	118
34881	28	<100	8	63	11	2	140
34882	14	<100	3	37	11	<2	92
34883	16	<100	3	43	11	2	125
34884	12	<100	5	52	<10	2	106
34885	17	<100	5	73	10	<2	90
34886	20	<100	7	49	<10	<2	81
34887	15	<100	3	80	10	<2	135
34888	22	<100	3	71	12	<2	119
34889	15	<100	3	88	10	<2	126
34890	16	<100	6	83	10	<2	140
34891	27	<100	6	71	10	<2	118
34892	17	<100	4	58	<10	2	143
34893	24	<100	5	30	11	2	97
34894	18	<100	3	29	10	2	94
34895	22	<100	8	32	<10	<2	75

APPENDIX B:
Drill Logs
TT10-1, TT10-2 and TT10-3

Diamond Drill Logs for Pathfinder Gold Inc.

Hole:	**TT10-1**	Target:	B-Zone	Logged By:	Allen J. Raoul, Field Geologist
Drilling Start:	Oct.28, 2010	Azimuth:	160°	Date Logged:	Nov. 11 - 13, 2010
Drilling End:	Nov.09, 2010	Dip:	50°	Core Storage:	221 Hardisty Street, Thunder Bay,ON
Driller:	E. Mosley (777626 Ontario Ltd).	Length:	40.93m of BQ core	UTM	532525E,5400297N (Zone15, NAD83)

from (m)	to (m)	interval (m)	Rock Description
0	**0.61**	**0.61**	**Casing**
0.61	**2.63**	**2.02**	**<u>Mafic Flows</u> - fine grained, grey, weakly foliated at 80o to core axis (TCA) to massive flows (pillowed) with 2-3% fine to medium grained hornblende phenocrysts and 2-3% thin (<1cm) veins of quartz-carbonate (QCV) at 70-90o TCA with trace-1% pyrite (rusted out)**

Sample	from (m)	to (m)	interval (m)	description	Au gpt	Ag gpt	Cu ppm	Ni ppm	Zn ppm
O01001	1.63	2.63	1.00	mafic flow with 2% QV & trace Py	**2.645**	<1	59	82	163
2.63	**9.10**	**6.47**		**<u>Quartz Zone in Mafic Flows</u> - 31% white, quartz veins (QV) in the above mafic flows with trace-2% pyrite +/- chalcopyrite. Veins consist of white, translucent quartz with up to 10% tan Kspar, <2% calcite and <3% chlorite.**					
O01002	2.63	3.63	1.00	Quartz Zone (start) - 54% QV +/- kspar-calc-chl in mafic flow	0.010	<1	2	52	131
O01003	3.63	4.63	1.00	19% QV +/- kspar-calc-chl in mafic flow	0.007	<1	5	66	**208**
O01004	4.63	5.63	1.00	32% QV +/- kspar-calc-chl in mafic flow	0.013	<1	8	74	**272**
O01005	5.63	6.58	0.95	17% QV +/- 1% Cpy-Py in mafic flow	0.011	<1	44	65	148
O01006	6.58	7.12	0.54	90% QV +/- 1% Cpy-Py in mafic flow	0.057	<1	**1326**	28	60
O01007	7.12	8.00	0.88	90% QV +/- 1% Py-Cpy in mafic flow	0.087	<1	**204**	54	129
O01008	8.00	9.10	1.10	Quartz Zone (end) - 18% QV +/- kspar-calc-chl in mafic flow	0.012	<1	63	73	156
9.10	**10.75**	**1.65**		**<u>Mafic Flows</u> - fine grained, grey, weakly foliated at 80o to core axis (TCA) to massive flows (pillowed) with 2-3% quartz-carbonate veins (QCV) that are <1cm at 75o TCA with trace pyrite.**					

10.75	**12.04**	**1.29**	**<u>Mafic Tuffs</u> - fine grained, greenish-grey, weakly bedded to weakly foliated @ 75° TCA with 5% QCV veins @ 70° TCA.**						
12.04	**13.32**	**1.28**	**<u>Altered Mafic Tuff</u> - fine grained, tan-green with 10-20% biotite-chlorite alteration due to moderate carbonate (>10%) content, with 2-3% QCV veins (<1cm) @ 45-70° TCA**						
O01009	12.04	12.68	0.64	Ank alt. mafic flow with 5% red QV-kspar-calc-chl-biot	0.020	<1	25	74	146
O01010	12.68	13.32	0.64	Ank alt. mafic flow with 10% red QV-kspar-calc-chl-biot	**0.111**	<1	129	77	146
13.32	**15.21**	**1.89**	**<u>Mafic Tuffs</u> - fine grained, greenish-grey, weakly bedded to weakly foliated @ 75° TCA with 2-3% fine calcite +/- quartz veins (<1cm) @ 70° TCA or as minor calcite filled cross-structures.**						
15.21	**16.81**	**1.60**	**<u>Quartz Zone in Mafic Flow</u> - 19% white to reddish-white, quartz veins (QV) with 5-10% tan carbonate, 5% chlorite in the mafic tuff; veins at 70° TCA with trace-2% pyrite.**						
O01011	15.21	16.01	0.80	Quartz Zone (start) - 27% QV +/- kspar-calc-chl in mafic flow with tr-2% Py	0.006	<1	10	65	129
O01012	16.01	16.81	0.80	Quartz Zone (end) - 13% QV +/- kspar-calc-chl in mafic flow with tr-2% Py	0.076	<1	87	81	153
16.81	**20.74**	**3.93**	**<u>Mafic Flows & Tuffs</u> - fine to medium grained, dark green, weakly chloritic (<5%), moderately foliated @ 65° TCA with 2-3% thin (<1cm) red QV.**						
O01013	17.41	17.84	0.43	several <3cm red QV with >20% silicification in mafic tuff	0.005	<1	29	176	132
O01014	18.37	19.40	1.03	several <2cm red QV with >10% carbonatized & weakly sheared mafic tuff	0.015	<1	100	**207**	143
O01015	19.40	20.21	0.81	10% red & white qtz in chl alt. mafic flow	<0.005	<1	1	**227**	138
O01016	20.21	20.74	0.53	10% qtz in chl alt. mafic flow	0.008	<1	61	100	166
20.74	**32.02**	**11.28**	**<u>Mafic Flow</u> - fine grained, dark greenish-grey, massive to weakly foliated @ 75° TCA and 5-8% phenocrysts of hornblende converting to chlorite. Also contains 1-5% small veinlets (<1cm) of calcite veins +/- quartz veins. There are several sections (~0.3m) with higher quartz vein contents or several smaller quartz-Kspar veins.**						

			20.74-23.02 (1.28m) - Quartz Zone - unit containing 40% quartz veins, both grey and red, in the mafic flow.						
O01017	20.74	21.06	0.32	40% red QV & 10% carb in mafic flow	0.058	<1	54	79	146
O01018	22.77	23.02	0.25	40% white QV & 5% carb in mafic flow	0.006	<1	81	68	132
O01019	23.02	24.00	0.98	3% white QV +/- carb in mafic flow	0.078	<1	16	76	148
O01020	24.00	24.37	0.37	15% white QV in carbonate breccia / shear zone (in mafic flow) @ 45° TCA.	0.035	<1	67	60	124
O01021	24.37	25.17	0.80	5% QV @ 60o TCA with 4cm QV @24.90m in mafic flow.	0.023	<1	29	66	129
O01022	25.17	25.96	0.79	5% QV @ 60o TCA with 3cm carb shear (@25.92m) in mafic flow.	0.018	<1	26	76	152
			25.96-27.76 (1.80m) - Quartz Zone - unit averaging 36% quartz +/- carbonate-Kspar within mafic flow.						
O01023	25.96	26.21	0.25	50% QV or QCV veins at 70-90o TCA in mafic flow.	0.006	<1	1	78	187
O01024	26.21	27.09	0.88	8% white QV +/- carb @ 45-90o TCA with 3cm QV @ 26.48m, 5cm QV @ 26.71m in mafic flow.	0.007	<1	2	74	163
O01025	27.09	27.76	0.67	70% mg to cg, white Kspar - grey quartz with 30% clasts of chl. Basalt at 0-30° TCA	**0.146**	<1	17	55	108
O01026	27.76	28.42	0.66	2% QCV veins at 80o TCA in fine mafic flow.	0.089	<1	27	70	144
O01027	28.42	29.07	0.65	2% QCV veins at 80o TCA in fine mafic flow with 6cm unit of 80% qtz-kspar @ 28.86m, 10cm unit of 3% Py-Cpy @ 28.71m.	**0.117**	<1	83	68	82
O01028	31.54	32.02	0.48	5% grey QV veins +/- carb-plag at 45° TCA in fine mafic flow	0.011	<1	52	83	**219**
32.02	**32.83**	**0.81**	**<u>Felsic Fragmental</u> - fine grained, pale pink to pale green, brecciated flow with 10-30% clasts (>3cm) of felsic or mafics at 60° TCA.**						
O01029	32.02	32.83	0.81	fine grained, pale pink to pale green, "brecciated" flow with 10-30% mafic clasts @ 60° TCA in fine felsic fragmental	0.016	<1	101	16	59

32.83	**35.87**	**3.04**	**<u>Felsic Flow</u> (Rhyolite) - fine grained, pale pink to pale pinkish-green, massive flow (with possible flow banding) and trace-3% chlorite phenocrysts that has 1-2% quartz veins (0.5-3 cm) at 45-80° TCA.**						
O01030	32.83	33.22	0.39	4% pink QV at 80° TCA in pale green rhyolite with possible course clasts (>5cm) and tr-2% Py.	0.020	<1	94	16	87
O01031	33.22	33.95	0.73	2% pink QV-carb at 70° TCA in red, hem alt rhyolite with tr Py.	0.029	<1	**262**	12	24
O01032	33.95	34.55	0.60	20% grey QV @ 70° TCA in red, hem alt. rhyolite to pale green, unaltered rhyolite.	0.013	<1	18	10	31
O01033	34.55	35.15	0.60	8% grey QV @ 90° TCA in pale green, unaltered rhyolite with 7cm of silicification at end.	0.029	<1	109	21	58
O01034	35.15	35.87	0.72	massive, pale pink, wk hem stained, rhyolite flow with weak flow banding at 70° TCA	0.017	<1	78	10	39
35.87	**40.93**	**5.06**	**<u>Mafic Flows (mafic flow) - fine grained, dark green, weakly chloritic (<5%), basaltic flow with weak foliation @ 60o TCA. Several 1-2cm quartz or quartz-Kspar veins or shears.</u>**						
O01035	35.87	36.93	1.06	fine grained, mafic flow with 7cm unit of rhyolite or silicification.	0.012	<1	45	55	131
O01036	36.93	37.31	0.38	20% qtz +/- kspar along 0-45o TCA as parasitic folds in fine mafic flow	0.016	<1	46	71	172
O01037	37.31	38.50	1.19	typical mafic flow with 9cm unit of 70% qtz-kspar	<0.005	<1	29	88	177
O01038	38.50	39.11	0.61	25% QV with 10% Kspar veins @ 0-45o TCA as parasitic folds in mafic flow	0.009	<1	45	70	134
O01039	39.11	40.11	1.00	typical mafic flow with 8cm unit of qtz-kspar	0.008	<1	21	84	194
	40.93		**End Of Hole**						

Diamond Drill Logs for Pathfinder Gold Inc.

Hole: **TT10-2**	Target: B-Zone	Logged By:	Allen J. Raoul, Field Geologist
Drilling Start: Nov. 09, 2010	Azimuth: 340°	Date Logged:	Nov. 13 & Nov. 25, 2010
Drilling End: Nov.11, 2010	Dip: 50°	Core Storage:	221 Hardisty Street, Thunder Bay,ON
Driller: E. Mosley (777626 Ontario Ltd).	Length: 40.29m of BQ core	UTM	532532E,5400263N (Zone15, NAD83)

from (m)	to (m)	interval (m)	Rock Description
0.00	6.73	6.73	**<u>Mafic Flows (MF)</u> - fine grained, dark green, weakly chloritic (<5%), weak to highly foliated at 030-045° to core axis (TCA). Numerous 0.5-2cm, white to red, quartz veins (QV) or quartz-carbonate-veins (QCV) at 45-70° TCA or several <30° TCA. Several quartz-Kspar veins along core axis from 3.15-4.00m and 5.22-5.62m.**

Sample	from (m)	to (m)	interval (m)	description	Au gpt	Ag gpt	Cu ppm	Ni ppm	Zn ppm
O01040	0.61	1.23	0.62	weakly sheared mafic flow with 26cm of oxidized shear including 7cm of qtz-kspar	0.059	<1	**285**	68	128
O01041	5.22	5.62	0.40	4cm QV @ 75° TCA in dark green, mafic flow (MF) with 5% chlorite alteration	0.031	<1	54	56	85
6.73	**11.58**	**4.85**		**<u>Shear Zone in Mafic Flow</u> - fine grained, foliated and highly sheared, mafic flow at 30-45° TCA with 0-20% chlorite-carbonate alteration (chl-carb alt) and small QV or QCV. Small rhyolite dike with QV parallels this shear.**					
O01042	6.73	7.46	0.73	70% rhyolite dike with 5% grey QV within a sheared, carb-chl mafic flow	0.010	<1	15	70	117
O01043	7.46	8.59	1.13	weakly sheared mafic tuff with 10% chl-carb alteration at 30-45° TCA and 2cm QV	0.013	<1	6	81	148
O01044	8.59	9.38	0.79	30% folded, white QV +/- carb in highly foliated & sheared carb-chl alt MF	0.007	<1	18	71	130
O01045	9.38	10.01	0.63	highly foliated & sheared carb-chl alt MF and 2% QV	0.017	<1	135	65	101
O01046	10.01	10.78	0.77	highly foliated & sheared carb-chl alt MF	0.054	<1	**268**	66	101
O01047	10.78	11.58	0.80	highly foliated & sheared carb-chl alt MF with contact at 020° TCA	**1.151**	<1	5	31	90

11.58	**28.67**	**17.09**	**Mafic Flows - fine to medium grained, dark green to black, weakly chloritic (5-10%), massive to weak foliated at 045° TCA with 2-3% quartz-Kspar veins at 70° TCA. Several quartz veins may contain black tourmaline.**						
O01048	14.08	14.38	0.30	15cm QV at 60° TCA with 10% black tourmaline band (1cm) at 20° TCA in MF	0.006	<1	9	64	133
O01049	21.55	22.06	0.51	22cm QV with 2% tourmaline @ 45° TCA in MF with 5cm red QV @ 90° TCA	0.055	<1	34	54	70
O01051	22.06	22.77	0.71	30% pegmatite of qtz-kspar	0.016	<1	126	129	120
28.67	**31.67**	**3.00**	**Quartz Veins in Mafic Flow - 5-7% grey and white, quartz veins at 30-60° TCA in the Mafic Flow.**						
O01052	28.67	29.67	1.00	5% grey QV @ 45o TCA and 3% white QV +/- carb in MF	0.018	2	195	69	81
O01053	29.67	30.67	1.00	5% white to translucent QV +/- 2% Kspar and 3% grey QV @ 30o TCA in MF	<0.005	<1	33	75	99
O01054	30.67	31.67	1.00	7% white to translucent QV @ 60o TCA in MF	<0.005	<1	8	93	175
31.67	**33.47**	**1.80**	**Silica altered Mafic Tuff (or Flow) with Quartz Veins - white to reddish QV with 2% hematite staining and 5% plagioclase and 5% clasts of chloritic basalt.**						
O01055	31.67	32.57	0.90	20-70% silicification with small QV (<5cm) and patches of Py cubes (<5%).	**0.302**	<1	72	83	44
O01056	32.57	33.47	0.90	>70% silica to nearly pure QV +/- 5% kspar with 8-11cm clasts of chl basalt	**0.176**	<1	34	55	55
33.47	**34.48**	**1.01**	**Mafic Tuff - fine grained, grey, weakly foliated (60° TCA), mafic tuff with 3% quartz +/- plagioclase.**						
O01057	33.47	34.48	1.01	light grey, weakly foliated MF with 3% white plag-qtz veins @ 80° TCA and 1% red QV @ <45° TCA	0.030	<1	66	80	104

33.48	**39.24**	**4.86**	**<u>Altered to Unaltered Felsic Dikes / Flows</u> - fine grained, light grey with 3% fine phenocrysts of hornblende in a dacitic dike with weak foliation (@ 60° TCA), 2-35 carbonate-quartz-plagioclase veins (<1cm) and trace-1% pyrite.**						
O01058	34.48	35.56	1.08	fine, light grey with 3% mafic phenocrysts (hbl) and 3% white qtz-plag at 80° TCA and 1% red-grey QV (<1cm) @ <45° TCA.	**0.408**	<1	**783**	84	54
O01059	35.56	36.48	0.92	fine, light green to light red, rhyolite with <5% hem alteration	0.014	<1	130	33	47
O01060	36.48	37.48	1.00	fine, light, dacitic with 4cm kspar-qtz-hem @ 36.85m @ 75° TCA; 2cm QV-plag @ 36.95m, 2cm QV @ 37.34m; 5-6% QV +/- kspar-hem	0.036	<1	**262**	87	173
O01061	37.48	38.48	1.00	fine, light, dacitic with 5cm white QV @ 37.76m @ 30° TCA; 10cm white QV+/- plag @ 38.33m @ 45o TCA; 15% white QV +/- plag	0.007	<1	23	37	52
O01062	38.48	39.34	0.86	light, grey, dacite with 1cm QV @38.84cm and 5cm of folded grey & red QV @ 39.27m.	<0.005	<1	13	16	26
39.24	**40.29**	**0.95**	**<u>Quartz Veins in Mafic Flow</u> - >80% white to red quartz veins and 12% clasts of chloritic basalt, 5% plagioclase and trace-2% pyrite.**						
O01063	39.34	40.29	0.95	Quartz Zone - >80% white to hem. stain QV with 10% clasts of chl bst, 5% plag frags with tr-2% Py (as partial oxidized) and 2-3% chl. Rafts.	0.042	<1	61	48	48
	40.29			**End Of Hole**					

Diamond Drill Logs for Pathfinder Gold Inc.									
Hole: TT10-3			Target: A-Zone		Logged By: Allen J. Raoul, Field Geologist				
Drilling Start: Nov.12, 2010			Azimuth: 165°		Date Logged: Nov. 26, 2010				
Drilling End: Nov.16, 2010			Dip: 50°		Core Storage: 221 Hardisty Street, Thunder Bay,ON				
Driller: E. Mosley (777626 Ontario Ltd).			Length: 31.15m of BQ core		UTM 533491E,5400637N (Zone15, NAD83)				
from (m)	**to (m)**	**interval (m)**	**Rock Description**						
0	**4.27**	**4.27**	**Mafic Flows (Pillow Basalt) - fine grained, dark green, weakly chloritic (<5%), mafic flows with weak foliation @ 70° to core axis (TCA).**						
Sample	**from (m)**	**to (m)**	**interval (m)**	**description**	**Au gpt**	**Ag gpt**	**Cu ppm**	**Ni ppm**	**Zn ppm**
O01064	0.44	0.74	0.30	10-15% qtz-chl veins at 45-90° TCA	<0.005	<1	78	64	76
O01065	0.74	1.74	1.00	medium grained, dark green, weakly chloritic MF with weak fol at 70° TCA	<0.005	<1	88	58	72
4.27	**25.52**	**25.52**	**Sheared Mafic Flows (Pillow Basalt) - fine grained, dark green with many patches of light green (due to silicification), with white quartz-calcite veins @45-90° TCA and brown patches of ankerite alteration.**						
			4.27-6.13 (1.86m) - 5-20% rusty, ankerite alteration in weakly to moderately sheared mafic flows with <2% quartz veins (QV) @ 45° TCA						
O01066	4.27	5.20	0.93	first 20cm is high fractured with >20% ankerite alt with 3cm QV @ 4.29m @ 45° TCA, 2cm QV @ 5.02m @ 50o TCA within sheared MF	0.005	<1	98	64	67
O01067	5.20	6.13	0.93	4cm QCV @ 5.20m @ 45° TCA and 7cm unit of 50% qtz-carb @ 6.60m @ 45o TCA within sheared MF	<0.005	<1	106	63	87
			6.13-7.56 (1.43m) - sheared mafic tuff with medium grained, dark green, weakly chloritic, mafic flow with weak to moderate shear and <10% calcite-ankerite alteration						
O01068	6.13	6.85	0.72	sheared mafic flow with weak-moderate shear @ 60° TCA with <10% carb-chl alt	0.013	<1	80	58	66
O01069	6.85	7.56	0.71	sheared mafic flow with weak-moderate shear @ 60° TCA with <10% carb-chl alt	0.011	<1	50	56	78

			7.56-13.05 (5.49m) - Banded Mafic Flow (BMF) that is medium grained, greyish-green, mafic flow with 10-20% grey bands of calcite +/- ankerite at 60° TCA that are 0.5-2cm. There are small zones (<10cm) of >20% silica alteration or 1-2cm QV are 45-90° TCA.						
O01070	7.56	8.56	1.00	Banded Mafic Flow (BMF) is greyish-green, grey bands of 10-20% of calcite +/- ankerite at 60° TCA with 3cm QV @ 7.56m and 1% Py @ 60° TCA.	0.008	<1	94	69	57
O01071	8.56	9.56	1.00	BMF with 3cm QV @ 9.23m @ 80° TCA.	0.009	<1	70	58	49
O01072	9.56	10.56	1.00	BMF with 3cm QV @ 10.02m @ 80° TCA, 2cm grey QV @ 10.11m @ 75° TCA and 7cm grey QV at 60-90° TCA.	0.006	<1	22	64	77
O01073	10.56	11.56	1.00	BMF with 4cm QV + 2% Py @ 10.68m @ 70° TCA, 6cm QCV @ 11.29m @ 70° TCA and 7cm grey QV @ 11.51m.	0.010	<1	109	86	100
O01074	11.56	12.56	1.00	BMF with 13cm of >20% silica alt @ 11.93m @ 70° TCA, 12cm of >20% silica alt @ 12.19m @ 70° TCA and 2cm QV-tourmaline @ 112.40m @ 45o TCA.	0.010	<1	70	69	61
O01075	12.56	13.05	0.49	BMF with no quartz veins but 10-20% calcite +/- ankerite alteration within shear	0.008	<1	83	72	51
			13.05-13.48 (0.38m) - Quartz Zone - 70% light grey quartz with 15% sericite-chlorite, 10% plag-kspar, 1-2% needle tourmaline						
O01076	13.05	13.48	0.43	Quartz Zone - 70% light grey qtz with 15% sericite-chlorite, 10% plag-kspar, 1-2% tourmaline	0.029	<1	**317**	36	19
			13.48-17.73 (4.25m) - Banded Mafic Flow (BMF) that is medium grained, greyish-green, mafic flow with 10-20% grey bands of calcite +/- ankerite at 60° TCA that are 0.5-2cm. There are small zones (<10cm) of >20% silica alteration or 1-2cm QV are 45-90o TCA.						
O01077	13.48	13.92	0.44	BMF with no quartz veins but 10-20% calcite +/- ankerite alteration within shear	0.009	<1	94	78	36

O01078	13.92	14.41	0.49	fine to medium grained, brown (>10% ankerite alt) with 3cm white QV @ 13.96m along core axis, 2cm white QV @ 14.07m @ along core axis, 3cm white QV @ 70° TCA.	0.009	<1	99	58	39
O01079	14.41	14.94	0.53	10% white QV with 3-5% black tourmaline along core axis (23cm @ 14.66m) in MF with weak shear.	0.019	<1	43	59	44
O01080	14.94	15.54	0.60	15% white QV + tr- 3-5% black tourmaline @ 70-90o TCA within BMF and 3cm QV @ 14.96m @ 60o TCA, 2cm QV long 30cm core axis (@ 15.21m).	<0.005	<1	27	57	51
O01081	15.54	16.35	0.81	5% white QV +/- chl rims that are 0.5-1cm at 60° TCA in dark green, mafic flow.	0.007	<1	94	58	53
O01082	16.35	16.91	0.56	>20% ank alt, brown stained, MF with moderate-strong shear @ 60° TCA	<0.005	<1	35	68	65
O01083	16.91	17.73	0.82	BMF with 7% plag phenocrysts and 3-5% grey QV folded along core axis (17.43-17.73).	0.011	<1	58	61	60
				17.73-19.93 (2.20m) - Rhyolite flows that are interbedded with the mafic flows or they represent small rhyolitic dikes that may cross-cut the mafic flow (but there is no chill margins). Rhyolite may show quartz veining and shearing also.					
O01084	17.73	18.60	0.87	Rhyolite flow - pale green, massive to weakly flow banded with 7% clasts of MF and 5cm grey QV @ 18.55cm.	0.016	<1	74	47	32
O01085	18.60	19.28	0.68	BMF with 1cm grey QV @ 19.00m	0.009	<1	65	64	89
O01086	19.28	19.93	0.65	Interbedded rhyolite flow with mafic flow in 5-10cm wide units	0.013	<1	53	59	62
				19.93-25.52 (5.59) - Sheared Mafic Flow +/- banding or calcite alteration similar to above. May contain QV with tourmaline or tr-2% Py.					
O01087	19.93	20.76	0.83	Massive to weakly sheared MF (<5% chl-carb alt) at 60° TCA	0.040	<1	36	42	93
O01088	20.76	21.50	0.74	Massive to weakly sheared MF (<5% chl-carb alt) at 60° TCA	0.009	<1	48	47	99

O01089	21.50	22.03	0.53	BMF with tr-10% Py as stringers (avg 2%) and several <0.5cm QV @ 45° TCA	0.223	<1	**234**	60	73
O01090	22.03	23.41	1.38	BMF with wk-mod shear @ 60° TCA with >10% calcite alt and 2cm QV @ 22.45m and 2cm QV @ 22.70m	0.007	<1	52	69	58
O01091	23.41	23.86	0.45	BMF with 30% QV + 3% tourmaline + tr-2% Py at 30-70° TCA	0.006	<1	12	69	100
O01092	23.86	24.19	0.33	50% rhyolite dikes cutting BMF	0.005	<1	49	29	30
O01093	24.19	25.52	1.33	weakly sheared MF with 2cm QV @ 25.33m @ 50° TCA.	0.006	<1	39	59	35
25.52	**31.15**	**5.63**	**<u>Mafic Flows</u> (Pillow Basalt) - fine grained, dark green, weakly chloritic (<5%), mafic flows with weak foliation @ 70° to core axis (TCA).**						
O01094	28.15	28.57	0.42	4 white QV (1-2cm) @ 60oTCA within mafic flows & no shearing. Veins @ 28.20m (1cm), 28.35m (1cm), 28.45 (2cm), 28.53 (2cm).	0.006	<1	29	54	36
	31.15		**End Of Hole**						

APPENDIX C:
Accurassay
Assay Certificates

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Certificate of Analysis

Monday, November 22, 2010

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

Date Received: 11/08/2010
Date Completed: 11/22/2010
Job #: 201044845
Reference:
Sample #: 45 Channel

Acc #	Client ID	Au ppb	Au oz/t	Au g/t (ppm)
337150	34851	21	<0.001	0.021
337151	34852	16	<0.001	0.016
337152	34853	12	<0.001	0.012
337153	34854	53	0.002	0.053
337154	34855	70	0.002	0.070
337155	34856	13	<0.001	0.013
337156	34857	9	<0.001	0.009
337157	34858	5	<0.001	0.005
337158	34859	12	<0.001	0.012
337159	34860	5	<0.001	0.005
337160 Dup	34860	6	<0.001	0.006
337161	34861	11	<0.001	0.011
337162	34862	191	0.006	0.191
337163	34863	614	0.018	0.614
337164	34864	651	0.019	0.651
337165	34865	13	<0.001	0.013
337166	34866	110	0.003	0.110
337167	34867	79	0.002	0.079
337168	34868	17	<0.001	0.017

PROCEDURE CODES: ALP1, ALFA1, ALAR1

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

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Acc #		Client ID	Au ppb	Au oz/t	Au g/t (ppm)
337169		34869	9	<0.001	0.009
337170		34870	11	<0.001	0.011
337171	Dup	34870	26	<0.001	0.026
337172		34871	37	0.001	0.037
337173		34872	7	<0.001	0.007
337174		34873	112	0.003	0.112
337175		34874	197	0.006	0.197
337176		34875	22	<0.001	0.022
337177		34876	17	<0.001	0.017
337178		34877	25	<0.001	0.025
337179		34878	21	<0.001	0.021
337180		34879	40	0.001	0.040
337181		34880	13	<0.001	0.013
337182	Dup	34880	15	<0.001	0.015
337183		34881	55	0.002	0.055
337184		34882	33	<0.001	0.033
337185		34883	16	<0.001	0.016
337186		34884	10	<0.001	0.010
337187		34885	8	<0.001	0.008

PROCEDURE CODES: ALP1, ALFA1, ALAR1

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

AL903-0837-11/22/2010 1:53 PM

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Date Received: 11/08/2010
Date Completed: 11/22/2010
Job #: 201044845
Reference:
Sample #: 45 Channel

Acc #		Client ID	Au ppb	Au oz/t	Au g/t (ppm)
337188		34886	8	<0.001	0.008
337189		34887	44	0.001	0.044
337190		34888	18	<0.001	0.018
337191		34889	10	<0.001	0.010
337192		34890	21	<0.001	0.021
337193	Dup	34890	26	<0.001	0.026
337194		34891	13	<0.001	0.013
337195		34892	397	0.012	0.397
337196		34893	15	<0.001	0.015
337197		34894	8	<0.001	0.008
337198		34895	6	<0.001	0.006

PROCEDURE CODES: ALP1, ALFA1, ALAR1

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

AL903-0837-11/22/2010 1:53 PM

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Certificate of Analysis

Thursday, November 25, 2010

Bending Lake Iron Group 201 Hardisty Street
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Phn: (807) 285-5364
Email#: geoassay@gmail.com

Date Received: 11/08/2010
Date Completed: 11/22/2010
Job #: 2010434635
Reference:
Sample #: 45 Channel

Acc #	Client ID	Au ppb	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	Sc ppm	Si %	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
337150	34851	21	<1	2.15	14	21	16	3	24	6.66	9	34	298	43	9.82	0.13	17	2.43	1352	32	0.04	86	1014	29	9	12	0.02	<10	120	419	6	66	12	4	156
337151	34852	16	<1	2.28	11	14	24	3	19	4.07	8	33	136	77	9.54	0.09	19	1.85	1069	32	0.03	78	997	27	5	<5	0.01	<10	70	448	6	70	11	4	160
337152	34853	12	<1	1.00	9	20	58	3	9	3.66	6	17	230	126	5.72	0.29	5	0.90	925	21	0.06	49	516	21	7	13	0.01	<10	59	511	9	22	12	11	93
337153	34854	53	<1	1.87	9	14	29	2	17	3.83	8	25	113	495	8.46	0.11	14	1.55	1098	30	0.02	68	878	24	5	5	0.01	<10	71	324	9	55	10	4	151
337154	34855	70	<1	2.49	4	18	25	2	18	3.32	8	27	349	48	9.98	0.09	20	1.94	1244	33	0.03	79	849	25	7	8	0.01	<10	68	231	12	79	11	4	194
337155	34856	13	<1	0.72	4	20	20	2	12	3.30	5	8	195	27	4.86	0.10	6	1.07	943	19	0.02	33	494	20	6	8	0.01	<10	75	114	5	19	10	4	88
337156	34857	9	<1	1.73	5	21	20	2	14	3.43	7	14	309	280	6.77	0.13	13	1.64	854	24	0.02	55	644	22	5	5	0.01	<10	76	155	9	49	<10	3	138
337157	34858	5	<1	1.36	4	18	11	2	9	2.68	6	14	288	9	5.45	0.07	11	1.32	705	19	0.02	50	408	21	7	9	0.01	<10	64	129	6	35	11	3	127
337158	34859	12	<1	2.35	4	21	27	2	17	4.36	8	23	364	12	8.68	0.16	18	2.19	1105	29	0.04	70	864	31	7	6	0.02	<10	104	129	8	75	12	5	167
337159	34860	5	<1	1.63	6	19	21	2	18	4.28	7	16	196	8	6.85	0.10	12	1.82	1010	24	0.03	56	707	24	6	6	0.01	<10	107	150	10	48	12	4	124
337160 Dup	34860	6	<1	1.66	3	24	22	2	17	4.36	7	18	197	9	6.95	0.10	12	1.85	1028	22	0.03	56	706	23	6	8	0.02	<10	109	163	5	49	11	4	125
337161	34861	11	<1	2.48	6	17	18	2	28	5.14	8	28	158	19	9.30	0.10	18	2.63	1176	27	0.02	71	934	25	6	5	0.01	<10	137	158	6	74	10	4	150
337162	34862	191	2	2.86	6	20	24	3	18	1.97	8	29	203	63	9.96	0.06	21	1.89	1096	32	0.03	78	940	24	6	8	0.01	<10	50	142	7	90	11	4	190
337163	34863	614	<1	1.70	6	18	40	2	14	3.10	7	30	388	106	7.50	0.15	11	1.41	1066	27	0.04	78	792	24	7	8	0.02	<10	72	330	6	50	10	3	127
337164	34864	651	<1	2.10	7	20	28	2	14	2.92	8	40	183	66	8.36	0.12	14	1.51	1106	28	0.03	80	1318	24	6	11	0.02	<10	68	528	8	64	12	5	136
337165	34865	13	<1	0.74	4	19	26	2	10	4.07	5	9	565	102	5.13	0.12	6	1.31	1101	17	0.03	70	480	23	7	8	0.01	<10	110	<100	5	18	10	3	95
337166	34866	110	<1	0.60	3	17	23	2	17	2.47	5	9	258	483	4.91	0.07	5	0.91	1171	16	0.02	58	314	21	6	10	<0.01	<10	59	<100	5	13	<10	4	91
337167	34867	79	<1	1.26	6	16	32	2	15	0.89	6	40	853	88	6.26	0.10	10	0.94	975	20	0.03	190	578	23	8	12	0.01	<10	33	<100	8	31	10	4	121
337168	34868	17	<1	1.75	4	19	39	2	16	1.52	7	18	363	83	7.43	0.12	13	1.20	1230	24	0.03	118	806	23	6	5	0.01	<10	49	167	7	35	10	5	149
337169	34869	9	<1	1.58	4	17	39	2	16	2.11	7	19	748	76	6.98	0.17	10	1.06	1040	25	0.04	71	635	21	6	7	0.02	<10	51	495	2	44	11	4	117
337170	34870	11	<1	2.01	5	17	27	3	18	2.13	8	29	222	26	9.13	0.09	14	1.45	1326	27	0.02	100	754	25	7	9	0.01	<10	54	272	5	48	12	4	171
337171 Dup	34870	26	<1	2.04	6	19	26	2	25	2.07	8	29	214	24	8.96	0.09	14	1.46	1244	27	0.02	99	704	21	7	6	0.01	<10	53	281	6	50	11	4	172
337172	34871	37	<1	0.21	4	17	11	2	5	2.61	<4	5	100	36	2.89	0.06	2	0.68	708	11	0.03	25	220	20	6	9	<0.01	<10	63	134	4	6	<10	2	52
337173	34872	7	<1	0.09	10	17	4	<2	<1	0.51	<4	4	98	300	0.99	0.02	2	0.15	291	4	0.02	519	135	15	<5	<5	0.02	<10	17	<100	11	2	<10	<2	106
337174	34873	112	<1	1.30	8	15	15	2	18	5.56	7	26	156	167	7.58	0.09	10	1.93	1443	25	0.04	67	813	25	6	6	0.01	<10	144	192	7	33	10	6	122
337175	34874	197	<1	0.78	6	20	9	2	14	2.82	4	11	89	49	4.41	0.05	6	1.09	759	16	0.02	40	403	18	6	8	<0.01	<10	73	154	2	22	10	4	86
337176	34875	22	<1	2.43	6	21	22	2	21	4.08	9	37	103	22	9.72	0.07	17	2.07	1245	34	0.04	85	1061	32	6	7	0.01	<10	97	280	11	79	12	4	155
337177	34876	17	<1	2.49	5	19	20	3	25	4.51	9	40	100	39	10.08	0.07	18	2.13	1236	32	0.03	84	1133	23	6	8	0.01	<10	98	211	14	80	11	4	149
337178	34877	25	<1	2.19	7	17	17	3	22	3.94	7	39	116	14	9.14	0.06	18	1.83	1150	28	0.03	79	998	25	6	9	0.01	<10	77	<100	6	72	11	4	138
337179	34878	21	<1	2.43	5	20	24	3	21	4.29	9	33	129	81	10.10	0.08	19	1.95	1326	33	0.04	84	1095	28	6	<5	0.01	<10	89	<100	9	83	10	4	148
337180	34879	40	<1	1.78	5	15	9	2	19	4.73	6	25	109	63	6.57	0.04	18	1.76	1339	22	0.06	60	373	26	6	<5	0.01	<10	32	<100	9	68	11	<2	108
337181	34880	13	<1	1.90	6	19	10	2	16	4.47	7	26	44	40	7.45	0.05	17	1.30	1439	26	0.04	56	268	27	6	10	0.01	<10	26	<100	6	33	12	2	118
337182 Dup	34880	15	<1	2.12	7	18	11	2	19	4.72	8	29	78	39	8.57	0.05	20	1.44	1576	29	0.04	71	316	26	6	8	<0.01	<10	28	<100	4	37	11	2	132

PROCEDURE CODES: ALP1, AUFA1, ALAR1

Certified By:

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Thursday, November 25, 2010

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Date Received: 11/08/2010
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Job #: 2010044845
Reference:
Sample #: 45 Channel

Acc #	Client ID	Au ppb	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
337183	34881	55	<1	2.36	6	17	7	2	19	5.19	8	23	92	62	8.39	0.03	22	1.12	1419	27	0.03	63	259	26	5	7	<0.01	<10	28	<100	8	63	11	2	140
337184	34882	33	<1	1.00	6	16	24	2	11	2.86	5	27	68	64	5.17	0.02	11	0.69	1114	18	0.03	63	299	23	6	8	<0.01	<10	14	<100	3	37	11	<2	92
337185	34883	16	<1	1.90	5	11	36	2	15	2.43	7	21	60	29	7.33	0.03	18	0.94	1259	22	0.05	49	442	23	<5	8	<0.01	<10	16	<100	3	43	11	2	125
337186	34884	10	<1	1.71	4	13	22	2	11	1.01	5	27	108	41	5.94	0.06	16	0.64	1328	18	0.07	79	702	22	5	5	<0.01	<10	12	<100	5	52	<10	2	106
337187	34885	8	<1	0.99	6	16	11	2	8	1.72	4	77	128	83	4.46	0.01	10	0.82	852	14	0.06	83	342	20	<5	9	<0.01	<10	17	<100	5	73	10	<2	90
337188	34886	8	<1	0.93	4	22	6	2	8	2.77	4	22	102	58	4.26	0.02	9	0.76	909	14	0.07	60	401	18	5	6	<0.01	<10	20	<100	7	49	<10	<2	81
337189	34887	44	<1	2.13	6	14	18	2	15	2.09	6	47	71	123	7.79	<0.01	20	0.94	1373	24	0.03	65	619	22	6	6	<0.01	<10	15	<100	3	80	10	<2	135
337190	34888	18	<1	1.78	4	15	10	2	17	3.67	7	26	99	66	6.81	0.01	17	1.05	1834	22	0.04	59	241	21	6	7	<0.01	<10	22	<100	3	71	12	<2	119
337191	34889	10	<1	1.59	5	14	12	2	9	1.45	5	28	117	31	4.81	<0.01	17	1.14	1093	16	0.04	63	291	19	5	6	<0.01	<10	15	<100	3	88	10	<2	126
337192	34890	21	<1	2.08	4	16	18	2	15	1.86	7	38	140	99	7.02	0.03	19	1.06	1408	22	0.06	70	329	21	6	7	<0.01	<10	16	<100	6	83	10	<2	140
337193 Dup	34890	26	<1	1.77	5	13	15	2	8	1.57	6	30	120	82	5.90	0.02	16	0.90	1187	19	0.05	59	283	18	6	<5	<0.01	<10	14	<100	4	70	<10	<2	121
337194	34891	13	<1	1.96	5	12	28	2	17	3.58	7	36	155	83	6.90	0.05	20	1.71	2022	23	0.11	60	337	23	5	8	<0.01	<10	27	<100	6	71	10	<2	118
337195	34892	397	<1	2.91	5	12	21	2	21	2.81	8	25	111	147	9.81	0.02	23	1.01	1946	29	0.02	40	448	19	6	6	<0.01	<10	17	<100	4	58	<10	2	143
337196	34893	15	<1	1.55	6	13	24	2	12	3.90	6	18	132	189	6.25	0.08	13	1.01	1526	19	0.10	71	415	22	5	7	0.01	<10	24	<100	5	30	11	2	97
337197	34894	8	<1	1.35	6	16	28	2	16	3.32	6	22	84	69	5.68	0.05	13	1.02	1480	19	0.09	79	461	22	<5	5	<0.01	<10	18	<100	3	29	10	2	94
337198	34895	6	<1	1.27	5	11	29	2	7	3.70	5	17	97	31	4.45	0.06	12	1.15	1100	17	0.10	68	358	20	5	<5	0.01	<10	22	<100	8	32	<10	<2	75

PROCEDURE CODES: ALP1, ALFAI, ALAR1

Certified By:

Derek Demeanus H Bsc , Laboratory Manager

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Certificate of Analysis

Friday, November 26, 2010

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

Date Received: 11/16/2010
Date Completed: 11/26/2010
Job #: 201044980
Reference:
Sample #: 49

Acc #	Client ID	Au ppb	Au oz/t	Au g/t (ppm)
348142	001001	2645	0.077	2.645
348143	001002	10	<0.001	0.010
348144	001003	7	<0.001	0.007
348145	001004	13	<0.001	0.013
348146	001005	11	<0.001	0.011
348147	001006	57	0.002	0.057
348148	001007	87	0.003	0.087
348149	001008	12	<0.001	0.012
348150	001009	20	<0.001	0.020
348151	001010	111	0.003	0.111
348152 Dup	001010	99	0.003	0.099
348153	001011	6	<0.001	0.006
348154	001012	76	0.002	0.076
348155	001013	5	<0.001	0.005
348156	001014	15	<0.001	0.015
348157	001015	<5	<0.001	<0.005
348158	001016	8	<0.001	0.008
348159	001017	58	0.002	0.058
348160	001018	6	<0.001	0.006
348161	001019	78	0.002	0.078

PROCEDURE CODES: ALP1, ALFA1, ALAR1

Certified By: Jason Moore, General Manager

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Sample #: 49

Acc #	Client ID	Au ppb	Au oz/t	Au g/t (ppm)
348162	001020	35	0.001	0.035
348163 Dup	001020	22	<0.001	0.022
348164	001021	23	<0.001	0.023
348165	001022	18	<0.001	0.018
348166	001023	6	<0.001	0.006
348167	001024	7	<0.001	0.007
348168	001025	146	0.004	0.146
348169	001026	89	0.003	0.089
348170	001027	117	0.003	0.117
348171	001028	11	<0.001	0.011
348172	001029	16	<0.001	0.016
348173	001030	20	<0.001	0.020
348174 Dup	001030	19	<0.001	0.019
348175	001031	29	<0.001	0.029
348176	001032	13	<0.001	0.013
348177	001033	29	<0.001	0.029
348178	001034	17	<0.001	0.017
348179	001035	12	<0.001	0.012
348180	001036	16	<0.001	0.016
348181	001037	<5	<0.001	<0.005

PROCEDURE CODES: ALP1, ALFA1, ALAR1

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Reference:
Sample #: 49

Acc #	Client ID	Au ppb	Au oz/t	Au g/t (ppm)
348182	001038	9	<0.001	0.009
348183	001039	8	<0.001	0.008
348184	001040	59	0.002	0.059
348185 Dup	001040	52	0.002	0.052
348186	001041	31	<0.001	0.031
348187	001042	10	<0.001	0.010
348188	001043	13	<0.001	0.013
348189	001044	7	<0.001	0.007
348190	001045	17	<0.001	0.017
348191	001046	54	0.002	0.054
348192	001047	1151	0.034	1.151
348193	001048	6	<0.001	0.006
348194	001049	55	0.002	0.055

PROCEDURE CODES: ALP1, ALFA1, ALAR1

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Wednesday, December 1, 2010

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Date Received: 11/16/2010
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Job #: 201044980
Reference:
Sample #: 49

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
348142	001001	2.645	<1	2.34	6	73	26	<2	11	4.73	4	32	111	59	8.16	0.15	26	2.17	1287	3	0.03	82	1020	12	<5	<5	0.06	<10	103	800	5	75	<10	6	163
348143	001002	0.010	<1	1.68	5	72	27	<2	2	4.59	<4	23	182	2	6.71	0.15	21	1.95	1222	2	0.03	52	664	9	<5	<5	0.06	<10	118	791	4	46	<10	5	131
348144	001003	0.007	<1	3.10	2	73	25	<2	11	3.65	4	26	173	5	8.66	0.16	32	2.37	1042	3	0.03	66	947	11	<5	<5	0.09	<10	93	518	2	88	<10	6	208
348145	001004	0.013	<1	3.96	3	75	23	<2	15	3.43	5	27	169	8	10.75	0.14	40	2.66	1142	5	0.03	74	907	12	<5	<5	0.09	<10	96	451	<2	105	<10	6	272
348146	001005	0.011	<1	2.09	6	71	45	<2	9	4.86	4	17	139	44	7.45	0.28	22	2.06	1238	1	0.03	65	991	12	<5	<5	0.07	<10	114	766	6	61	<10	6	148
348147	001006	0.057	<1	0.51	<2	68	13	<2	3	1.42	<4	8	534	1326	2.60	0.08	11	0.60	461	<1	0.02	28	288	2	<5	<5	0.05	<10	33	292	<2	12	<10	2	60
348148	001007	0.087	<1	1.71	<2	65	34	<2	4	2.96	<4	16	231	204	5.86	0.20	20	1.47	879	2	0.02	54	628	8	<5	<5	0.07	<10	68	554	<2	39	<10	4	129
348149	001008	0.012	<1	2.16	<2	62	31	<2	7	4.06	<4	26	109	63	7.39	0.21	24	1.90	1101	2	0.03	73	901	10	<5	<5	0.06	<10	92	771	4	63	<10	5	156
348150	001009	0.020	<1	2.48	8	65	21	<2	9	4.59	4	30	125	25	8.00	0.18	27	2.22	1310	3	0.04	74	929	11	<5	<5	0.07	<10	102	158	5	79	<10	4	146
348151	001010	0.111	<1	2.44	6	64	22	<2	11	3.95	4	38	119	129	7.70	0.18	26	2.11	1211	2	0.05	77	973	11	<5	<5	0.07	<10	94	164	3	90	<10	4	146
348152D	001010	0.099	<1	2.33	4	61	21	<2	6	3.77	<4	35	113	121	7.36	0.17	24	2.02	1155	2	0.05	74	932	10	<5	<5	0.07	<10	89	152	3	85	<10	4	137
348153	001011	0.006	<1	1.88	2	56	32	<2	6	3.77	<4	30	183	10	6.44	0.18	19	1.85	1097	<1	0.03	65	800	8	<5	<5	0.07	<10	111	291	4	56	<10	5	129
348154	001012	0.076	<1	2.64	6	61	18	<2	3	3.90	4	30	154	87	7.84	0.10	27	2.43	1126	2	0.03	81	917	10	<5	<5	0.08	<10	116	155	5	96	<10	5	153
348155	001013	0.005	<1	2.73	2	61	25	<2	4	4.54	<4	27	229	29	5.67	0.17	32	3.41	919	<1	0.04	176	1086	6	<5	<5	0.07	<10	158	<100	2	64	<10	5	132
348156	001014	0.015	<1	2.43	3	59	20	<2	4	4.98	<4	30	318	100	5.22	0.15	33	3.61	983	<1	0.02	207	978	9	<5	<5	0.08	<10	182	<100	16	55	<10	4	143
348157	001015	<0.005	<1	2.31	2	58	30	<2	<1	5.09	<4	26	289	1	4.81	0.19	30	3.50	886	<1	0.03	227	1030	5	<5	<5	0.05	<10	192	<100	13	43	<10	5	138
348158	001016	0.008	<1	2.79	3	58	29	<2	6	4.06	4	29	167	61	7.55	0.19	27	2.44	1043	2	0.06	100	906	9	<5	<5	0.07	<10	111	139	4	86	<10	5	166
348159	001017	0.058	<1	2.29	3	57	25	<2	7	4.02	4	35	102	54	7.64	0.14	23	1.98	1160	2	0.03	79	967	10	<5	<5	0.05	<10	107	414	10	69	<10	5	146
348160	001018	0.006	<1	2.19	3	61	48	<2	<1	3.94	<4	38	192	81	6.97	0.28	20	1.80	1163	2	0.06	68	1036	9	<5	<5	0.06	<10	109	890	10	63	<10	4	132
348161	001019	0.078	<1	2.34	7	55	34	<2	5	4.38	4	38	99	16	7.87	0.20	22	2.02	1225	3	0.04	76	963	10	<5	<5	0.06	<10	111	759	3	74	<10	4	148

PROCEDURE CODES: ALP1, ALFA1, ALAR1

Certified By: Jason Moore, General Manager

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Wednesday, December 1, 2010

Certificate of Analysis

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Ph#: (807) 285-5364
Email: georaoul@gmail.com

Date Received: 11/16/2010
Date Completed: 11/26/2010
Job #: 201044980
Reference:
Sample #: 49

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
348162	001020	[illegible]	<1	1.91	[illegible]	54	34	<2	[illegible]	5.25	<4	26	118	67	7.32	0.19	21	2.14	1388	2	0.03	60	686	10	<5	<5	0.06	[illegible]	146	319	3	52	[illegible]	4	124
348163D	001020	[illegible]	<1	1.83	[illegible]	53	32	<2	[illegible]	5.11	<4	26	112	67	7.08	0.18	20	2.07	1335	2	0.03	59	666	8	<5	<5	0.05	<10	140	311	4	50	<10	4	124
348164	001021	0.023	<1	1.96	3	53	42	<2	7	5.01	<4	24	86	29	7.16	0.24	18	2.03	1409	1	0.03	66	933	9	<5	<5	0.06	<10	141	463	4	57	<10	5	129
348165	001022	0.018	<1	2.51	4	52	34	<2	7	4.30	4	33	99	26	8.11	0.19	23	2.09	1163	3	0.04	76	921	10	<5	<5	0.06	<10	123	433	11	73	<10	4	152
348166	001023	0.006	<1	2.97	2	51	24	<2	1	4.53	4	33	138	1	9.20	0.14	26	2.40	1337	2	0.06	78	823	13	<5	<5	0.06	<10	149	539	6	85	<10	4	187
348167	001024	0.007	<1	2.68	2	59	33	<2	10	3.80	4	30	131	2	8.03	0.18	25	2.07	1087	2	0.03	74	955	11	<5	<5	0.05	<10	109	524	<2	77	<10	5	163
348168	001025	0.146	<1	1.20	4	56	31	<2	<1	6.75	<4	24	125	17	7.16	0.16	14	2.23	1780	1	0.03	55	669	10	<5	<5	0.03	<10	174	249	4	31	<10	4	108
348169	001026	0.089	<1	2.28	4	56	23	<2	4	4.48	4	28	96	27	7.89	0.15	21	2.00	1197	2	0.04	70	924	11	<5	<5	0.06	<10	123	519	3	68	<10	4	144
348170	001027	0.117	<1	1.01	2	53	24	<2	9	6.21	<4	39	82	83	6.71	0.20	12	1.83	1608	2	0.03	68	915	10	<5	<5	0.04	<10	143	526	<2	33	<10	4	82
348171	001028	0.011	<1	3.10	3	56	46	<2	2	4.02	4	29	81	52	9.32	0.22	26	2.09	1250	3	0.03	83	1158	13	<5	<5	0.06	<10	112	198	3	85	<10	7	219
348172	001029	0.016	<1	0.80	2	56	42	<2	<1	1.74	<4	7	138	101	3.28	0.16	11	0.65	559	2	0.03	16	<100	5	<5	<5	0.04	<10	44	<100	<2	4	<10	8	59
348173	001030	0.020	<1	0.86	12	53	66	<2	2	1.93	<4	6	163	94	4.09	0.21	10	0.64	573	4	0.04	16	<100	8	<5	<5	0.05	<10	48	<100	<2	3	<10	10	87
348174D	001030	0.019	<1	0.85	9	52	65	<2	1	1.92	<4	6	160	89	4.07	0.20	10	0.64	569	4	0.04	15	<100	7	<5	<5	0.05	<10	50	<100	<2	3	<10	10	87
348175	001031	0.029	<1	0.19	2	52	33	<2	<1	1.06	<4	6	219	262	1.58	0.11	7	0.30	292	1	0.03	12	<100	3	<5	<5	0.02	<10	21	<100	<2	<2	<10	4	24
348176	001032	0.013	<1	0.27	4	52	40	<2	<1	1.35	<4	5	176	18	1.73	0.16	7	0.40	406	3	0.03	10	<100	5	<5	<5	0.02	<10	30	<100	<2	2	<10	5	31
348177	001033	0.029	<1	0.74	5	49	41	<2	<1	1.99	<4	12	146	109	3.44	0.17	10	0.67	538	9	0.03	21	149	6	<5	<5	0.04	<10	44	<100	4	6	<10	7	58
348178	001034	0.017	<1	0.36	6	54	42	<2	<1	6.74	<4	5	129	78	2.64	0.17	7	0.63	1246	1	0.04	10	<100	7	<5	<5	0.04	<10	101	<100	9	<2	<10	11	39
348179	001035	0.012	<1	1.87	6	54	26	<2	<1	3.37	<4	25	135	45	6.65	0.14	18	1.49	947	2	0.04	55	658	11	<5	<5	0.07	<10	71	<100	4	46	<10	6	131
348180	001036	0.016	<1	2.58	<2	54	15	<2	11	5.00	4	26	168	46	8.35	0.12	27	2.46	1623	2	0.03	71	837	12	<5	<5	0.07	<10	121	<100	6	77	<10	4	172
348181	001037	<0.005	<1	2.88	7	56	14	<2	4	4.66	4	37	156	29	8.97	0.12	29	2.43	1433	2	0.03	88	938	12	<5	<5	0.07	<10	102	<100	<2	88	<10	5	177

PROCEDURE CODES: ALP1, ALFA1, ALAR1

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Reference:
Sample #: 49

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
348182	001038	0.009	<1	2.13	3	55	12	<2	7	4.37	<4	24	232	45	7.10	0.09	24	2.20	1648	2	0.02	70	677	9	<5	<5	0.07	<10	74	<100	6	64	<10	4	134
348183	001039	0.008	<1	3.30	4	57	13	<2	7	3.96	4	32	179	21	9.22	0.10	33	2.46	1310	3	0.03	84	1015	12	<5	<5	0.08	<10	90	<100	6	99	<10	5	194
348184	001040	0.059	<1	2.08	4	55	34	<2	5	5.00	4	29	192	285	7.96	0.18	22	1.58	1382	3	0.04	68	842	10	<5	<5	0.06	<10	105	<100	<2	59	<10	4	128
348185D	001040	0.052	<1	2.11	3	55	34	<2	5	5.07	4	29	194	296	8.10	0.18	23	1.59	1425	3	0.04	69	846	12	<5	<5	0.06	<10	107	<100	2	60	<10	4	127
348186	001041	0.031	<1	1.08	3	57	21	<2	3	5.80	<4	23	150	54	6.84	0.13	13	1.57	1724	2	0.06	56	888	10	<5	<5	0.05	<10	126	141	5	55	<10	4	85
348187	001042	0.010	<1	1.68	3	54	11	<2	7	4.95	4	28	145	15	7.52	0.06	19	1.88	1410	1	0.06	70	837	10	<5	<5	0.07	<10	125	<100	10	75	<10	3	117
348188	001043	0.013	<1	2.28	4	56	23	<2	7	4.44	4	41	163	6	8.55	0.13	23	2.03	1287	3	0.04	81	1024	13	<5	<5	0.07	<10	107	<100	6	73	<10	4	148
348189	001044	0.007	<1	1.79	<2	50	4	<2	<1	4.40	<4	24	194	18	7.20	0.02	19	1.91	1220	2	0.04	71	766	8	<5	<5	0.06	<10	115	<100	8	69	<10	4	130
348190	001045	0.017	<1	1.32	<2	59	3	<2	<1	4.79	<4	21	159	135	6.28	0.02	16	1.82	1352	1	0.07	65	771	8	<5	<5	0.06	<10	134	<100	7	61	<10	4	101
348191	001046	0.054	<1	1.22	3	58	2	<2	<1	5.53	<4	21	139	268	6.60	0.01	15	1.95	1523	1	0.05	66	896	9	<5	<5	0.05	<10	155	<100	12	56	<10	4	101
348192	001047	1.151	<1	1.19	<2	60	4	<2	6	4.76	<4	16	108	5	5.70	0.02	15	1.85	1448	<1	0.06	31	635	8	<5	<5	0.06	<10	132	<100	17	41	<10	3	90
348193	001048	0.006	<1	2.01	2	52	27	<2	6	4.17	<4	22	157	9	6.86	0.17	19	1.87	1292	2	0.04	64	801	9	<5	<5	0.05	<10	115	<100	3	54	<10	5	133
348194	001049	0.055	<1	1.11	2	47	45	<2	<1	3.52	<4	32	359	34	4.75	0.26	11	1.28	986	2	0.04	54	541	6	<5	<5	0.06	<10	125	<100	4	31	<10	3	70

PROCEDURE CODES: ALP1, ALFA1, ALAR1

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Wednesday, December 8, 2010

Certificate of Analysis

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Ph#: (807) 285-5364
Email: georaoul@gmail.com

Date Received: 11/29/2010
Date Completed: 12/08/2010
Job #: 201045174
Reference: Extra Samples
Sample #: 44

Acc #	Client ID	Au ppb	Au oz/t	Au g/t (ppm)
363525	001051	16	<0.001	0.016
363526	001052	18	<0.001	0.018
363527	001053	<5	<0.001	<0.005
363528	001054	<5	<0.001	<0.005
363529	001055	302	0.009	0.302
363530	001056	176	0.005	0.176
363531	001057	30	<0.001	0.030
363532	001058	408	0.012	0.408
363533	001059	14	<0.001	0.014
363534	001060	36	0.001	0.036
363535 Dup	001060	28	<0.001	0.028
363536	001061	7	<0.001	0.007
363537	001062	<5	<0.001	<0.005
363538	001063	42	0.001	0.042
363539	001064	<5	<0.001	<0.005
363540	001065	<5	<0.001	<0.005
363541	001066	5	<0.001	0.005
363542	001067	<5	<0.001	<0.005
363543	001068	13	<0.001	0.013
363544	001069	11	<0.001	0.011
363545	001070	8	<0.001	0.008
363546 Dup	001070	6	<0.001	0.006
363547	001071	9	<0.001	0.009
363548	001072	6	<0.001	0.006
363549	001073	10	<0.001	0.010
363550	001074	10	<0.001	0.010
363551	001075	8	<0.001	0.008
363552	001076	29	<0.001	0.029
363553	001077	9	<0.001	0.009
363554	001078	9	<0.001	0.009

PROCEDURE CODES: ALP1, ALFA1, ALAR1

Certified By: Derek Demaruk H Bsc Laboratory Manager

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Acc #	Client ID	Au ppb	Au oz/t	Au g/t (ppm)
363555	001079	19	<0.001	0.019
363556	001080	<5	<0.001	<0.005
363557 Dup	001080	6	<0.001	0.006
363558	001081	7	<0.001	0.007
363559	001082	<5	<0.001	<0.005
363560	001083	11	<0.001	0.011
363561	001084	16	<0.001	0.016
363562	001085	9	<0.001	0.009
363563	001086	13	<0.001	0.013
363564	001087	40	0.001	0.040
363565	001088	9	<0.001	0.009
363566	001089	223	0.007	0.223
363567	001090	7	<0.001	0.007
363568 Dup	001090	7	<0.001	0.007
363569	001091	6	<0.001	0.006
363570	001092	5	<0.001	0.005
363571	001093	6	<0.001	0.006
363572	001094	6	<0.001	0.006

PROCEDURE CODES: ALP1, ALFA1, ALAR1

Certified By: Denis Desmarais H.Bsc., Laboratory Manager

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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
363525	001051	0.016	<1	2.00	<2	38	30	<2	2	5.29	9	33	138	126	7.95	0.17	13	2.13	1432	8	0.04	129	1438	15	<5	<5	0.08	<10	165	129	<2	61	<10	5	120
363526	001052	0.018	2	1.92	<2	39	32	<2	<1	5.23	8	30	171	195	7.36	0.22	12	2.14	1233	4	0.03	69	1798	12	<5	<5	0.08	<10	142	430	21	58	<10	5	81
363527	001053	<0.005	<1	2.61	<2	37	35	<2	<1	5.40	10	33	162	33	8.74	0.26	17	2.43	1356	4	0.04	75	1569	14	<5	<5	0.09	<10	154	711	9	78	<10	6	99
363528	001054	<0.005	<1	4.27	<2	41	29	<2	2	4.23	14	42	160	8	11.50	0.21	30	2.81	1208	13	0.03	93	1916	19	<5	<5	0.11	<10	130	549	19	124	<10	7	175
363529	001055	0.302	<1	1.10	<2	48	41	<2	1	4.90	7	50	213	72	6.30	0.29	5	1.64	1124	7	0.03	83	1499	12	<5	<5	0.07	<10	130	576	<2	33	<10	5	44
363530	001056	0.176	<1	1.21	<2	50	34	<2	<1	4.79	6	15	271	34	5.44	0.24	7	1.72	1147	4	0.03	55	1276	10	<5	<5	0.09	<10	121	317	<2	26	<10	5	55
363531	001057	0.030	<1	2.52	<2	50	48	<2	<1	5.75	11	45	110	66	9.30	0.34	15	2.20	1486	12	0.05	80	1685	15	<5	<5	0.08	<10	148	1280	4	67	<10	7	104
363532	001058	0.408	<1	1.12	3	49	62	<2	<1	6.52	9	39	100	783	8.16	0.35	5	1.55	1704	12	0.05	84	2152	16	<5	<5	0.07	<10	155	1739	37	45	<10	7	54
363533	001059	0.014	<1	0.87	2	42	67	<2	<1	3.30	5	11	140	130	4.03	0.34	4	1.00	889	9	0.04	33	726	9	<5	<5	0.07	<10	84	288	<2	14	<10	10	47
363534	001060	0.036	<1	3.18	<2	40	66	2	2	5.19	11	24	124	262	9.31	0.42	25	2.36	1440	12	0.04	87	2126	18	<5	<5	0.11	<10	144	119	35	69	<10	8	173
363535D	001060	0.028	<1	3.08	<2	45	62	2	3	5.12	11	23	120	281	9.18	0.40	24	2.36	1426	14	0.04	88	1493	19	<5	<5	0.10	<10	141	112	5	67	<10	8	172
363536	001061	0.007	<1	1.36	2	42	60	<2	<1	1.77	4	9	174	23	3.39	0.38	9	0.88	441	8	0.04	37	835	6	<5	<5	0.10	<10	51	<100	<2	29	<10	10	52
363537	001062	<0.005	<1	1.05	2	45	72	<2	<1	1.12	<4	5	192	13	2.12	0.41	6	0.52	288	8	0.06	16	404	5	<5	<5	0.08	<10	35	<100	<2	12	<10	14	26
363538	001063	0.042	<1	1.57	<2	48	31	<2	1	3.56	5	16	295	61	4.58	0.19	14	1.24	990	11	0.05	48	416	7	<5	<5	0.13	<10	64	<100	2	43	<10	6	48
363539	001064	<0.005	<1	3.11	<2	50	23	<2	<1	5.64	7	29	126	78	6.19	0.14	31	1.48	1062	6	0.07	64	914	10	<5	<5	0.16	<10	46	<100	36	91	<10	4	76
363540	001065	<0.005	<1	2.96	<2	49	24	<2	<1	5.04	7	28	124	88	6.58	0.16	28	1.82	1328	4	0.10	58	996	9	<5	<5	0.16	<10	44	<100	20	94	<10	3	72
363541	001066	0.005	<1	2.52	<2	39	22	<2	1	4.65	7	31	155	98	6.61	0.15	24	1.82	1410	6	0.13	64	1089	12	<5	<5	0.15	<10	42	<100	14	83	<10	3	67
363542	001067	<0.005	<1	2.97	<2	48	19	<2	2	4.61	8	33	139	106	6.95	0.13	31	2.22	1453	1	0.11	63	736	9	<5	<5	0.15	<10	42	<100	<2	108	<10	3	87
363543	001068	0.013	<1	2.42	<2	37	25	<2	1	4.74	7	28	102	80	6.24	0.17	23	2.13	1469	<1	0.11	58	846	11	<5	<5	0.13	<10	44	<100	13	71	<10	2	66
363544	001069	0.011	<1	2.91	<2	44	26	<2	<1	5.10	7	23	136	50	6.39	0.19	27	1.28	1179	8	0.07	56	949	10	<5	<5	0.14	<10	37	<100	2	61	<10	5	78

PROCEDURE CODES: ALP1, ALFA1, ALAR1

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Sunday, December 12, 2010

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Date Received: 11/29/2010
Date Completed: 12/08/2010
Job #: 201045174
Reference: Extra Samples
Sample #: 44

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
363545	001070	0.008	<1	1.70	<2	37	16	<2	1	5.35	6	33	129	94	5.74	0.12	16	2.01	1566	<1	0.09	69	1067	10	<5	<5	0.11	<10	47	<100	17	75	<10	2	57
363546D	001070	0.006	<1	1.59	<2	38	15	<2	<1	4.98	6	30	122	83	5.33	0.11	15	1.85	1451	<1	0.09	64	765	9	<5	<5	0.12	<10	43	<100	23	69	<10	2	53
363547	001071	0.009	<1	1.67	<2	34	25	<2	2	4.34	5	29	103	70	5.05	0.18	15	1.55	1253	2	0.10	58	982	9	<5	<5	0.09	<10	40	<100	23	48	<10	2	49
363548	001072	0.006	<1	2.48	<2	40	19	<2	2	3.99	7	25	139	22	6.41	0.11	24	1.51	1510	7	0.11	64	1296	11	<5	<5	0.13	<10	31	<100	3	68	<10	3	77
363549	001073	0.010	<1	3.15	<2	38	30	<2	2	4.63	9	35	118	109	8.20	0.14	28	1.76	1984	9	0.11	86	2008	13	<5	<5	0.13	<10	36	<100	11	94	<10	3	100
363550	001074	0.010	<1	2.03	<2	41	40	<2	<1	5.57	7	30	129	70	6.35	0.13	18	1.82	1809	4	0.11	69	899	11	<5	<5	0.11	<10	46	<100	14	66	<10	2	61
363551	001075	0.008	<1	1.76	<2	49	42	<2	<1	4.58	5	37	162	83	4.93	0.13	17	2.08	1345	<1	0.14	72	953	8	<5	<5	0.10	<10	55	<100	43	70	<10	2	51
363552	001076	0.029	<1	0.77	<2	52	44	<2	<1	6.74	5	43	190	317	4.44	0.13	6	2.13	1934	<1	0.11	36	1363	8	<5	<5	0.08	<10	70	<100	15	29	<10	2	19
363553	001077	0.009	<1	1.63	2	49	42	<2	<1	4.39	<4	31	166	94	3.08	0.13	16	1.85	1195	<1	0.14	78	1140	6	<5	<5	0.12	<10	37	<100	25	69	<10	5	36
363554	001078	0.009	<1	1.79	2	50	46	<2	<1	6.94	4	29	202	99	3.45	0.12	18	1.31	1298	<1	0.14	58	902	4	<5	<5	0.14	<10	28	<100	10	78	<10	6	39
363555	001079	0.019	<1	1.81	<2	46	31	<2	<1	3.63	<4	28	268	43	3.20	0.11	20	1.47	891	<1	0.10	59	759	4	<5	<5	0.13	<10	22	<100	<2	89	<10	4	44
363556	001080	<0.005	<1	1.74	<2	42	24	<2	<1	3.55	4	30	216	27	4.06	0.08	20	2.02	1198	<1	0.12	57	805	6	<5	<5	0.11	<10	43	<100	4	87	<10	2	51
363557D	001080	0.006	<1	1.77	<2	45	24	<2	<1	3.53	4	30	217	31	4.08	0.08	20	2.03	1207	<1	0.12	58	1112	7	<5	<5	0.12	<10	44	<100	3	87	<10	2	53
363558	001081	0.007	<1	1.84	<2	45	18	<2	<1	3.64	5	31	183	94	4.35	0.06	21	2.04	1235	<1	0.13	58	1128	5	<5	<5	0.12	<10	40	<100	3	102	<10	2	53
363559	001082	<0.005	<1	2.66	<2	41	52	<2	2	2.46	5	35	206	35	4.25	0.13	29	1.56	1006	<1	0.14	68	1153	5	<5	<5	0.16	<10	20	<100	5	117	<10	2	65
363560	001083	0.011	<1	2.12	<2	41	26	<2	1	3.70	5	30	165	58	4.56	0.09	25	2.21	1338	<1	0.11	61	791	6	<5	<5	0.11	<10	37	<100	3	76	<10	2	60
363561	001084	0.016	<1	1.24	<2	39	44	<2	<1	5.15	6	30	103	74	5.26	0.13	10	1.66	2024	<1	0.11	47	887	7	<5	<5	0.10	<10	39	<100	41	39	<10	2	32
363562	001085	0.009	<1	2.62	<2	39	20	<2	2	4.39	7	25	138	65	6.24	0.07	29	2.57	1624	<1	0.11	64	927	10	<5	<5	0.12	<10	40	<100	18	77	<10	2	89
363563	001086	0.013	<1	2.07	<2	38	46	<2	2	4.94	6	27	135	53	5.94	0.15	20	2.02	1802	<1	0.13	59	1002	13	<5	<5	0.10	<10	44	<100	9	68	<10	3	62
363564	001087	0.040	<1	4.54	<2	47	22	<2	4	5.85	12	20	66	36	10.87	0.07	37	1.53	2357	16	0.03	42	793	19	5	<5	0.10	<10	44	<100	8	67	<10	5	93

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363565	001088	0.009	<1	5.69	<2	44	13	<2	2	8.31	15	21	72	48	13.27	0.05	41	1.59	3320	19	0.02	47	1576	20	<5	<5	0.13	<10	65	105	56	91	<10	5	99
363566	001089	0.223	<1	3.24	<2	47	42	<2	<1	5.24	9	33	166	234	8.73	0.25	29	2.31	2123	6	0.09	60	956	11	<5	<5	0.17	<10	42	<100	11	54	<10	3	73
363567	001090	0.007	<1	2.37	<2	42	34	<2	1	4.52	6	22	109	52	5.06	0.21	24	2.58	1456	<1	0.11	69	705	8	<5	<5	0.14	<10	40	<100	19	43	<10	3	58
363568D	001090	0.007	<1	2.39	<2	44	33	<2	<1	4.57	6	22	109	58	5.11	0.20	24	2.60	1474	<1	0.11	69	869	8	<5	<5	0.14	<10	41	<100	<2	43	<10	3	69
363569	001091	0.006	<1	3.60	<2	42	54	<2	3	3.16	7	24	175	12	6.79	0.30	34	2.29	1250	<1	0.12	69	1757	12	<5	<5	0.14	<10	36	<100	25	63	<10	4	100
363570	001092	0.005	<1	1.67	<2	37	46	<2	<1	3.83	4	9	116	49	3.68	0.28	12	1.67	1309	<1	0.16	29	1375	6	<5	<5	0.13	<10	34	<100	13	36	<10	3	30
363571	001093	0.006	<1	1.63	<2	36	32	<2	1	4.03	4	15	101	39	3.59	0.19	15	2.08	1264	<1	0.12	59	1087	6	<5	<5	0.11	<10	34	<100	10	31	<10	2	35
363572	001094	0.006	<1	2.11	<2	44	22	<2	1	3.39	4	18	213	29	3.62	0.11	24	2.44	903	<1	0.14	54	1074	3	<5	<5	0.14	<10	33	<100	<2	54	<10	2	36

PROCEDURE CODES: ALP1, ALFA1, ALAR1

Certified By: Jason Moore, General Manager

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